



SOMACA

A DIVISION OF C.R. LAURENCE COMPANY

GENERAL CATALOG SM26

SERVING THE FLAT GLASS INDUSTRY

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ON THE JOB SINCE 1920

CRL® Glazing, Railing, Architectural, Construction, Industrial and Automotive Supplies

Whichever Method You Choose, Ordering From Somaca/CRL Is Quick and Convenient



Methods of Ordering

Online at crlaurence.com

Many of our customers have found the most convenient method of ordering is through our "self-service" web site. When you place your orders online you have so many options that other methods don't provide. You set the schedule and the pace because you can log on 24 hours a day, seven days a week. You can build a personal catalog; even make changes or additions to your orders online. There's no easier way!





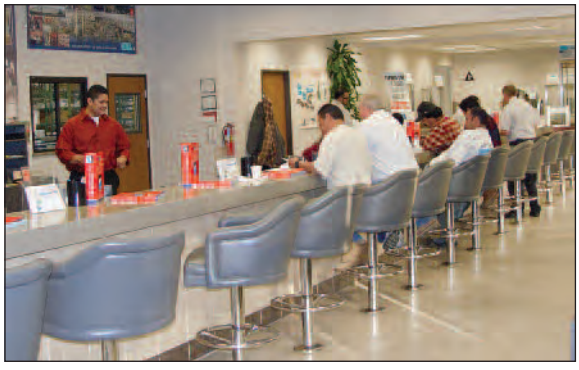
Toll Free Fax Service

When we introduced toll free fax service in the '80's we had no idea how popular it would become, but now our customers send us up to 1,000 orders or quote requests every business day! Fax ordering is very convenient because you can fill out your own purchase orders and then just fax them to us. You can be specific about shipping instructions or other details that will help us serve you. To send your orders or quote requests by toll free fax from anywhere in the U.S. or Canada, just dial **(800) 541-0599**.



Toll Free Customer Service Order Desk

We've provided toll free ordering for over 35 years. When you call our Customer Service Order Desk you'll find people who are trained to provide assistance with Somaca products and services. They have instant access to pricing, stock availability, and the status of your account, plus they can connect you to Technical Sales personnel if you need specialized product assistance. Order Desk hours are 6 am to 5 pm (Pacific Time) Monday through Friday, and 7 am to 12 pm Saturdays. Just dial us toll free at **(800) 323-9200**.



Will Call Order Desk

Every regional warehouse has a Will Call Order Desk where you can place and pick up your orders in person. And when you place your order in advance by phone, fax, or over the Internet we can have it ready and waiting for you, which can save you a lot of time. Will Call hours are 8 am to 5 pm Monday through Friday, and 8 am to 12 pm Saturdays. Some of our most experienced people staff our Will Call Departments, and they are always happy to see you. Remember, to save time place your order in advance.

Who May Buy

Somaca is a manufacturer and wholesale distributor. Possession of this catalog, or any other sales literature, does not constitute an offer to sell. Orders from individuals (except professional tradesmen) may not be accepted.

Ordering Options and Information

Customer Information

Use the space at the right to list your personal ordering information:

- the Toll Free phone number at your local branch to place an order
- the FAX number at your local Somaca branch
- your Customer Account number

Toll Free Ordering Number

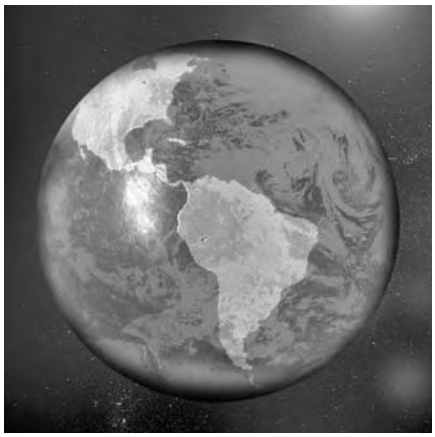
Somaca FAX Number

Your Customer Account Number



Experienced Outside Sales People
For Personal, One-On-One Service

We realize the importance of working one-on-one with a professional who can offer information and contribute new ideas to help complete your jobs. Sommer & Maca is the only full service glazing supply company with an outside staff in all of our U.S. locations. Sommer & Maca sales people receive formal classroom training and are kept up to date on product and machinery knowledge. These same sales people meet with customers at trade shows and participate in local glass association events. Personal service is our mission!



Export Sales And Assistance

Our export department has extensive experience gained through sales in over eighty countries. Our multi-lingual staff can also provide assistance to all of our non-English speaking clientele throughout the United States as well as foreign markets. Put our experience to work for you. We look forward to assisting you with your glazing supply and machinery needs.

Nuestro Departamento de Exportaciones tiene una gran experiencia en ventas a nivel internacional. Contamos con clientela en más de ochenta países, y brindamos asistencia a todos nuestros clientes de habla hispana tanto en los Estados Unidos como en toda América Latina. Esperamos el placer de poder atender a todas sus necesidades en insumos y maquinaria para el vidrio plano.

Sommer & Maca is a Member of:

NGA NATIONAL GLASS ASSOCIATION
IGA INDEPENDENT Glass Association
AGRSS Auto Glass Replacement Safety Standards Council
CALIFORNIA GLASS ASSOCIATION
IGMA
GLASS ASSOCIATION OF NORTH AMERICA

Auto Glass Urethanes & Adhesives

POWR BOND System

The POWR BOND System Includes Compatible Adhesives, Cleaners and Primers, an Application Guide and Safe Driveaway Chart

The Independent's First Choice - National Warranty Program



The Nation's #1 Selling Private Label Urethane



POWR BOND™

Product Instructions - For the Safest Possible Installations

STEP 1 After removing the glass, remove the old urethane so that 1-2mm remains on the pinchweld.

STEP 2 Clean glass with POWR BOND Glass Cleaner Stock No. 121-1100.

STEP 3 Apply POWR BOND clear primer to glass. Allow time for primer to dry. Destroy primer five days after opening. Clear primer is recommended in the event the black band on the glass is defective or glass has surface contamination from ungloved hands or lack of effective cleaning.

STEP 4 Apply POWR BOND black primer to glass and nicks in pinchweld. Destroy primer five days after opening. Black primer applied to the glass will cover areas that might have been missed with the clear primer and will jump start the cure.

STEP 5 Apply POWR BOND adhesive. If heated products are used, preheat the product in a urethane oven for one hour prior to application.



Pre-Installation Considerations

Review ANSI/AGRSS Automotive Replacement Safety Standard. Contact Secretariat, AGRSS, 800 Roosevelt Road, Bldg. C-20, Glen Ellyn, IL 60137.

Wear Nitrile gloves (Stock No. 240-4125), an approved respirator (Stock No. 240-4161), and protective eyewear (Stock No. 240-4444).

Consider suggested minimum application temperature which is 41°F for all products except 10°F may be used for heated products. Metals and glass edges must be free of condensation during use of primers and adhesives. Special procedures are recommended for adverse weather conditions: pre-prime glass in shop, keep moisture trails/condensation off all glass surfaces, and turn defroster on for at least 15 minutes after installing glass.

Review Driveaway Chart Recommendations (see page 5) for product to be used.

Store adhesive at 50°F-85°F.

Record on invoices the customer name, all lot numbers and expiration dates, all stock numbers and the temperature/humidity at the job site. (Use temperature humidity meter Stock No. 126-7999).

POWR BOND Application Guide

Use the application guide for the safest installations:
Recommendations are for the most conservative practices - the black band around windshields contains chemical formulas that may change. Imported windshields may not have been tested for compatibility with all primerless-to-glass urethane formulas.

	POWR BOND	PB SUPER SEAL	POWR BOND HEATED
Stock Numbers	121-7449 - Reg. Cart. 121-7549 - Reg. Saus 121-7349 - Hi-Vis. Cart. 121-7649 - Hi-Vis. Saus. 121-7049 - Cold/Apl. Non-Conductive HV 121-7500 - QUIK	121-5003 - HI-VIS	121-4001 - HI-MOD. 121-5001 - HI-MOD./ NON-CONDUCTIVE
Suggested removal of old urethane from pinchweld - stated in thickness	1 to 2 mm	1 to 2 mm	1 to 2 mm
Minimum application temperature - metals and glass edges must be free of condensation during use of primers & urethane	41°F	41°F	10°F
Urethane shelf life from date of manufacture	12 MONTHS	9 MONTHS	9 MONTHS
Clean new windshield with POWR BOND Automotive Glass Cleaner	121-1100	121-1100	121-1100
Use primers: Glass #1 - 8 oz. and 30 ml Glass #2 - 8 oz. and 30 ml Pinchweld - 8 oz. and 30 ml PVC, Encapsulated, Rim Substrate - 30 ml	121-1001, 121-1000 121-2001, 121-2003 121-2001, 121-2003 PVC 121-2060	121-1001, 121-1000 121-2001, 121-2003 121-2001, 121-2003	121-1001, 121-1000 121-2001, 121-2003 121-2001, 121-2003 PVC 121-2060
Primer life after opening	5 DAYS	5 DAYS	5 DAYS
Suggested vehicle holding time for airbag vehicles	SEE DRIVEAWAY CHART	4 to 48 HOURS SEE DRIVEAWAY CHART	SEE DRIVEAWAY CHART
Working time - urethane, 10 min. maximum	121-7500		
Record on invoices: consumer name, all lot numbers and expiration dates, all stock numbers, temperature and humidity at job-site	YES	YES	YES
Safety recommendations for urethane application:			
Work in well ventilated area	YES	YES	YES
Wear nitrile gloves (240-4125)	YES	YES	YES
Wear approved respirator (240-4161)	YES	YES	YES
Wear protective glasses (240-4444)	YES	YES	YES

Special procedures for adverse weather conditions:
Pre-prime glass in shop, keep moisture trails/condensation off all surfaces, and turn defroster on for at least 15 minutes after installing glass.
Retention system storage specifications: Store product at 50°F-85°F

For technical questions call 1 800 323-9200, ext. 200 or 278, Monday to Friday, 8 a.m. to 5 p.m. C.S.T., fax questions to 1 800 541-0599, or e-mail questions to somacausa@aol.com

AGRSS Auto Glass Replacement Safety Standards Council

AUTO GLASS REPLACEMENT SAFETY STANDARD - Somaca has financially supported and has participated in the committee that developed and amended the ANSI/AGRSS Standard. For further information, contact AGRSS Secretariat, 800 Roosevelt Road, Bldg. C-20, Glen Ellyn, IL 60187.

Safe Driveaway Time Recommendations

POWR BOND REGULAR - Ⓐ Cartridge 121-7449 Sausage 121-7549

WITHOUT AIRBAGS

T/RH	≥ 15°F	≥ 25°F	≥ 35°F	≥ 55°F	≥ 72°F	≥ 92°F
≥ 85%	24H	24H	6H	4H	2H	2H
65-85%	NR	24H	6H	4H	3H	2H
45-65%	NR	NR	8H	5H	3H	2H
25-45%	NR	NR	NR	NR	24H	5H
≥ 25%	NR	NR	NR	NR	NR	NR

WITH AIRBAGS

T/RH	≥ 15°F	≥ 25°F	≥ 35°F	≥ 55°F	≥ 72°F	≥ 92°F
≥ 85%	NR	NR	9H	6H	6H	6H
65-85%	NR	NR	10H	6H	6H	6H
45-65%	NR	NR	12H	8H	6H	6H
25-45%	NR	NR	NR	NR	NR	20H
≥ 25%	NR	NR	NR	NR	NR	NR

*Sausage Formula Passed FMVSS #212 at 35 mph

POWR BOND HI-VIS - Ⓐ Cartridge 121-7349 Sausage* 121-7649

WITHOUT AIRBAGS

T/RH	≥ 15°F	≥ 25°F	≥ 35°F	≥ 55°F	≥ 72°F	≥ 92°F
≥ 85%	NR	24H	4H	1-1/2H	1-1/2H	1-1/2H
65-85%	NR	2H	5H	2H	1-1/2H	1-1/2H
45-65%	NR	NR	5H	2H	1-1/2H	1-1/2H
25-45%	NR	NR	NR	NR	4H	4H
≥ 25%	NR	NR	NR	NR	NR	NR

WITH AIRBAGS

T/RH	≥ 15°F	≥ 25°F	≥ 35°F	≥ 55°F	≥ 72°F	≥ 92°F
≥ 85%	NR	NR	9H	4H	2-1/2H	2H
65-85%	NR	NR	10H	6H	3H	2H
45-65%	NR	NR	12H	6H	3H	3H
25-45%	NR	NR	NR	NR	NR	20H
≥ 25%	NR	NR	NR	NR	NR	NR

POWR BOND COLD APPLIED - Ⓐ Cartridge 121-7049

WITHOUT AIRBAGS

T/RH	≥ 15°F	≥ 25°F	≥ 35°F	≥ 55°F	≥ 72°F	≥ 92°F
≥ 85%	NR	NR	NR	2H	1H	1H
65-85%	NR	NR	NR	2H	1H	1H
45-65%	NR	NR	NR	2-1/2H	1-1/2H	1H
25-45%	NR	NR	NR	3H	2H	1-1/2H
≥ 25%	NR	NR	NR	6H	4-1/2H	3H

WITH AIRBAGS

T/RH	≥ 15°F	≥ 25°F	≥ 35°F	≥ 55°F	≥ 72°F	≥ 92°F
≥ 85%	NR	NR	NR	3-1/2H	3-1/2H	3H
65-85%	NR	NR	NR	4H	4H	3-1/2H
45-65%	NR	NR	NR	5H	4-1/2H	4H
25-45%	NR	NR	NR	6H	5H	4-1/2H
≥ 25%	NR	NR	NR	7H	5-1/2H	5H

Exception: Minimum Installation Temperature 10°F @ 10%RH

POWR BOND HEATED - Ⓐ Cartridge 121-4001 NON-COND. - Ⓐ Cartridge 121-5001

WITHOUT AIRBAGS

T/RH	≥ 15°F	≥ 25°F	≥ 35°F	≥ 55°F	≥ 72°F	≥ 92°F
≥ 85%	1/2H	1/2H	1/2H	1/2H	1/2H	2H
65-85%	1/2H	1/2H	1/2H	1/2H	1/2H	2H
45-65%	1/2H	1/2H	1/2H	1/2H	1/2H	2H
25-45%	1/2H	1/2H	1/2H	1/2H	1/2H	2H
≥ 15%	NR	NR	NR	NR	NR	2H

WITH AIRBAGS

T/RH	≥ 15°F	≥ 25°F	≥ 35°F	≥ 55°F	≥ 72°F	≥ 92°F
≥ 85%	2H	2H	2H	2H	2H	3-1/2H
65-85%	2H	2H	2H	2H	2H	3-1/2H
45-65%	2H	2H	2H	2H	2H	3-1/2H
25-45%	2H	2H	2H	2H	2H	3-1/2H
≥ 15%	NR	NR	NR	NR	NR	NR

POWR BOND SUPER SEAL HI-VIS - Ⓐ Cartridge 121-5003

WITHOUT AIRBAGS

T/RH	≥ 15°F	≥ 25°F	≥ 35°F	≥ 55°F	≥ 72°F	≥ 92°F
≥ 85%	48H	48H	48H	8H	4H	4H
65-85%	NR	48H	48H	8H	4H	4H
45-65%	NR	NR	NR	48H	4H	4H
25-45%	NR	NR	NR	NR	48H	4H
≥ 25%	NR	NR	NR	NR	NR	NR

WITH AIRBAGS

T/RH	≥ 15°F	≥ 25°F	≥ 35°F	≥ 55°F	≥ 72°F	≥ 92°F
≥ 85%	NR	NR	48H	20H	15H	15H
65-85%	NR	NR	NR	20H	15H	15H
45-65%	NR	NR	NR	NR	20H	15H
25-45%	NR	NR	NR	NR	NR	NR
≥ 25%	NR	NR	NR	NR	NR	NR

Exception: Minimum Installation Temperature 40°F @ 10%RH

POWR BOND QUIK - Ⓐ Cartridge 121-7500

WITHOUT AIRBAGS

T/RH	10°F	25°F	40°F	55°F	70°F	85°F
90%	NR	NR	5H	3H	1H	1H
75%	NR	NR	6H	3H	2H	1H
50%	NR	NR	6H	3H	2H	1H
25%	NR	NR	NR	4H	3H	2H
10%	NR	NR	NR	8H	5H	3H

WITH AIRBAGS

T/RH	10°F	25°F	40°F	55°F	70°F	85°F
90%	NR	NR	9H	4H	3H	2H
75%	NR	NR	10H	5H	3H	3H
50%	NR	NR	12H	5H	3H	3H
25%	NR	NR	16H	9H	5H	4H
10%	NR	NR	20H	16H	9H	6H

NOTE: H = HOURS (EXAMPLE - 2H MEANS 2 HOURS)
NR = NOT RECOMMENDED

Ⓐ Passenger Airbag Equipped - 150 psi Safe Driveaway Strength • Without Passenger Airbag - 50 psi Safe Driveaway Strength
Minimum Installation Temperature: 40°F @ 25% RH

POWR BOND™

Regular Viscosity

Somaca POWR BOND™ Adhesive
Auto Glass Sealant Passed #212 and Meets #208.



Hot Pink Cartridge

Crash Test - #212



Performance Characteristics:

- **Tensile Strength - 1300 psi at 7 days**
- **Lap Shear at Ultimate Cure Time is 800 psi**
- **Minimum Driveaway Time - See Driveaway Charts**
- **Minimum Installation Temperature is 41°F**
- **Tack-Free - 30 minutes**
- **Shelf Life - One Year**
- **Aluminum Cartridge - Hot Pink Color**

SOLD PER CARTRIDGE
12 CARTRIDGES PER CARTON

STOCK NO.	Size	UNIT PKG.
121-7449	10.5 fl. oz.	CARTRIDGE

SOLD PER SAUSAGE
12 SAUSAGES PER CARTON

STOCK NO.	Size	UNIT PKG.
121-7549	450ml	SAUSAGE

POWR BOND PRIMERS
For Use With All POWR BOND One-Part Products

STOCK NO.	Primer Application	Step #	Size
121-2001	Pinchweld & Glass	2 & 3	8 fl. oz.
121-2003	Pinchweld & Glass	2 & 3	30ml
121-1001	Glass	1	8 fl. oz.
121-1000	Glass	1	30ml
121-2060	Encapsulation, Rim, PVC	----	30ml

Auto Glass Urethanes and Adhesives

POWR BOND™ Hi-Viscosity/Solvent Free



Orange Cartridge

Performance Properties:

Minimum Driveaway Time	See Driveaway Chart
Tack Free Time	30 Minutes
Shore A Hardness	55-60
Tensile Strength	7 days: 1100 PSI
Application Temperature	Minimum: 41°F

POWR BOND Hi-Viscosity/Solvent Free Adhesive in cartridge meets FMVSS No. 212, 208, and OEM specifications.

SOLD PER CARTRIDGE
12 CARTRIDGES PER CARTON

STOCK NO.	Size	UNIT PKG.
121-7349	10.5 fl. oz.	CARTRIDGE

The sausage formula passed FMVSS No. 212 at 35 miles per hour.

SOLD PER SAUSAGE
12 SAUSAGES PER CARTON

STOCK NO.	Size	UNIT PKG.
121-7649	450ml	SAUSAGE

POWR BOND™ Cold Applied Non-Conductive



For Vehicles that have GPS (Global Positioning System) and/or Integrated Antennas or Electrical Components.

- **Non-Conductive Formula**
- **Hi-Viscosity**
- **Compare to Sika Drive**
- **[a] Use with Regular POWR BOND Primers**



Navy Blue Cartridge

Performance Properties:

Drive away Times	
1 Hour without Airbags	See Driveaway Chart
4 Hours with Airbags	See Driveaway Chart
Tack Free Time	20 Minutes
Shore A Hardness	65-75
Tensile Strength	7 days: 1200 PSI
Application Temperature	Minimum: 41°F

POWR BOND Cold Applied Non-Conductive, Hi-Viscosity Adhesive meets FMVSS No. 212, 208, and OEM specifications.

POWR BOND Cold Applied Non-Conductive Adhesive is used for vehicles with aluminum bodies and sophisticated electronic equipment. No heating of this product is needed to achieve outstanding minimum drive away times. Cartridges come with easy open pull rings.

SOLD PER CARTRIDGE
12 CARTRIDGES PER CARTON

STOCK NO.	Size	UNIT PKG.
121-7049	10.5 fl. oz.	CARTRIDGE

Auto Glass Urethanes and Adhesives

POWR BOND™

Heated Urethane Adhesives

When temperatures are below 92°F, the heated POWR BOND Products provide the fastest driveaway time of the all the POWR BOND Auto Glass Urethane Adhesives.

Heated High Modulus





- Heated Driveaway Time:
  30 min. Without Air Bags,
  2 hours with Air Bags
  See Driveaway Charts
  Do Not Use Below 10°F
- Hi-Modulus Formula
- Compare to Sika UltraFast II or Dinitrol #503MF
- Can be Heated in Any Urethane Oven
- Use with Regular POWR BOND Primers
- Starter Kits are Listed on Next Page

Yellow Cartridge

SOLD PER CARTRIDGE
12 CARTRIDGES PER CARTON

STOCK NO.	Size	UNIT PKG.
121-4001	10.5 fl. oz.	CARTRIDGE

Heated Non-Conductive & High Modulus



This adhesive is non-conductive because it is formulated with a special carbon black.

- Heated Driveaway Time:
  30 min. Without Air Bags,
  2 hours with Air Bags
  See Driveaway Charts
  Do Not Use Below 10°F
- Non-Conductive & Hi-Modulus Formula
- Compare to Sika UltraFast II or Dinitrol #503MF
- Can be Heated in Any Urethane Oven
- Use with Regular POWR BOND Primers
- Starter Kits are Listed on Next Page



Olive Green Cartridge

SOLD PER CARTRIDGE
12 CARTRIDGES PER CARTON

STOCK NO.	Size	UNIT PKG.
121-5001	10.5 fl. oz.	CARTRIDGE

POWR BOND™

Heated Starter Kits and Ovens

Starter Kits Include -

POWR BOND Heated High Modulus and POWR BOND Heated Non-Conductive & High Modulus are available in starter kits. Each kit contains 48 cartridges, 6 cans of 30 ml primers 121-2003 and 121-1000, and a 2 hole port 12V oven, or a 110V oven with 2, 4 or 6 hole ports.



POWR BOND Heated High Modulus Starter Kits -

STOCK NO.	Oven Size	Description
121-4100	2 Hole Port	110V
121-4101	2 Hole Port	12V
121-4102	4 Hole Port	110V
121-4103	6 Hole Port	110V
121-4109	4 Hole Port	HydroTherm™ Heater

POWR BOND Heated Non-Conductive & High Modulus Starter Kits -

STOCK NO.	Oven Size	Description
121-4104	2 Hole Port	110V
121-4105	2 Hole Port	12V
121-4106	4 Hole Port	110V
121-4107	6 Hole Port	110V
121-4108	4 Hole Port	HydroTherm™ Heater

Individual Heating Ovens



STOCK NO.	Oven Size	Description
126-7741	2 Hole Port	110V
126-7742	2 Hole Port	12V
126-7743	4 Hole Port	110V
126-7745	6 Hole Port	110V
121-8100	4 Hole Port	HydroTherm™ Heater

POWR BOND Primers



For Use With All POWR BOND One-Part Products

STOCK NO.	Primer Application	Step #	Size
121-2001	Pinchweld & Glass	2 & 3	8 fl. oz. Can
121-2003	Pinchweld & Glass	2 & 3	30ml Can
121-1001	Glass	1	8 fl. oz. Can
121-1000	Glass	1	30ml Can
121-2060	Encapsulation, Rim, PVC	----	30ml Can

Auto Glass Urethane & Adhesives

POWR BOND™ Quick Cure



QUiK Urethane Auto Glass Sealant

- **Hi Modulus/Low Conductive**
- **Working Time: 10 min.**
- **Driveaway Time - See Charts**



POWR BOND Quik is formulated to meet the glass installers need for a quick start of the cure. It provides the strength and stability required to meet auto glass replacement standards. Quik meets FMVSS No. 212, 209, 218 and OEM specifications.

Green
Aluminum Cartridge

SOLD PER CARTRIDGE
12 CARTRIDGES PER CARTON

STOCK NO.	Size	UNIT PKG.
121-7500	11 fl. oz.	CARTRIDGE

POWR BOND™ Super Seal

- **Value Priced Urethane Adhesive**
- **Lap Shear @ 70°F/65% RH - 400 psi @ 48 Hours**
- **Tensile Strength @ 7 Days - 600 psi**



Caramel

Blue/Green

SOLD PER CARTRIDGE
12 CARTRIDGES PER CARTON

STOCK NO.	Viscosity	Size	UNIT PKG.
121-5002	Regular	10.5 fl. oz.	CARTRIDGE
121-5003	High	10.5 fl. oz.	CARTRIDGE

POWR BOND PRIMERS
For Use With All POWR BOND One-Part Products

STOCK NO.	Primer Application	Step #	Size
121-2001	Pinchweld & Glass	2 & 3	8 fl. oz.
121-2003	Pinchweld & Glass	2 & 3	30ml
121-1001	Glass	1	8 fl. oz.
121-1000	Glass	1	30ml
121-2060	Encapsulation, Rim, PVC	----	30ml

Cross Brand Tech Comparisons

REGULAR VISCOSITY - ONE PART

BRAND NAME	PASSED FMVSS	MEETS FMVSS	MINIMUM DRIVEAWAY TIME With AIRBAG	LAP SHEAR @ DRIVEAWAY	ULTIMATE CURE TIME	LAP SHEAR @ ULTIMATE CURE TIME	TENSILE STRENGTH @ 7 DAYS	SOMACA STOCK NUMBER	PRIMER STOCK NUMBER	PRIMER (8 oz.) NAMES & APPLICATIONS
SOMACA POWR BOND REG/VIS.	#212	#208	6 HOURS SEE DRIVEAWAY CHART	150 PSI w/ AIRBAGS	24 HOURS @ 70° / 50% RH	800 PSI	1300 PSI	Cartridge 121-7449 Sausage 121-7549	121-1001 121-2001 121-2060	GLASS PREP PINCHWELD/GLASS PVC/ENCAPS. & RIM SUBSTRATE
SOMACA POWR BOND QUIK		#208 #212	2 HOURS SEE DRIVEAWAY CHART MIN. INST. 41°F	150 PSI w/ AIRBAGS	> 24 HOURS @ 70° / 50% RH	600 PSI	1100 PSI	Cartridge 121-7500 Low/Con. HI-MOD.	121-1001 121-2001 121-2060	GLASS PREP PINCHWELD/GLASS PVC ENCAPS. & RIM SUBSTRATE
ESSEX U-418 QUICK CURE		#208 #212	8 HOURS @ 72° / 50% RH	N/A	< 24 HOURS @ 72°F / 50% RH	> 500 PSI	> 800 PSI	Cartridge 121-8801	121-8841 121-8843	GLASS PREP PINCHWELD PRIM.
TITAN 380		#208 #212	5 HOURS @ 70° / 50% RH	150 PSI w/ AIRBAGS	48 to 72 HOURS	> 500 PSI	> 700 PSI	Cartridge 121-8610	121-2040 121-2050	PINCHWELD PRIM. GLASS PRIMER
3M 8693		#208 #212	24 HOURS	NOT STATED	NOT STATED	500 PSI	1000 PSI	Cartridge 121-8693	121-8684 121-8683	GLASS PRIMER PINCHWELD PRIM.

COLD APPLIED / NON-CONDUCTIVE

BRAND NAME	PASSED FMVSS	MEETS FMVSS	MINIMUM DRIVEAWAY TIME With AIRBAG	LAP SHEAR @ DRIVEAWAY	ULTIMATE CURE TIME	LAP SHEAR @ ULTIMATE CURE TIME	TENSILE STRENGTH @ 7 DAYS	SOMACA STOCK NUMBER	PRIMER STOCK NUMBER	PRIMER (8 oz.) NAMES & APPLICATIONS
SOMACA POWR BOND NON-C/HV		#208 #212	4 HOURS SEE DRIVEAWAY CHART	150 PSI w/ AIRBAG	24 HOURS @ 70° / 50% RH	500 PSI	1200 PSI	Cartridge 121-7049	121-1001 121-2001 121-2060	GLASS PREP PINCHWELD/GLASS PVC/ENCAPS. & RIM SUBSTRATE
SIKA DRIVE NON-CON.	#208 #212		4 HOURS @ 70° / 50% RH	NOT SUPPORTED	24 HOURS @ 73° / 50% RH	500 PSI	> 800 PSI	Cartridge 121-8256	121-8262 121-8206 121-8215	AKTIVATOR PADS PINCHWELD/GLASS PVC & EPDM PRIM.
ESSEX BETASEAL 1500 HV NON-C/HM		#208 #212	8 HOURS @ 72° / 50% RH	NA	< 24 HOURS @ 72° / 50% RH	> 500 PSI	NA	Cartridge 121-1500	121-8841 121-8842 121-8843	GLASS PREP GLASS PRIMER PINCHWELD PRIM.
SIKA HIGH MOD NON-CON.		#208 #212	4 HOURS @ 72° / 50% RH	NOT SUPPORTED	24 HOURS @ 73° / 50% RH	600 PSI	NA	Cartridge 121-8261	121-8262 121-8206 121-8215	AKTIVATOR PADS PINCHWELD/GLASS PVC & EPDM PRIM.

DEFINITIONS:

HIGH MODULUS - A property that relates to certain urethane adhesives for applications where torsional (auto body) stiffness is required, (such as aluminum body vehicles), to maintain OEM performance strength specifications of such vehicles.
Related Terms - Shore A Hardness to penetrate; Elongation measures high modulus that stretches less.

NON-CONDUCTIVITY & LOW CONDUCTIVITY - Are certain properties of some manufactured urethane adhesives. These types of urethanes are intended for use on vehicles where electrical isolation is needed due to the presence of integrated antennas and/or electrical components.

Cross Brand Tech Comparisons

HI-VISCOSITY - ONE PART

BRAND NAME	PASSED FMVSS	MEETS FMVSS	MINIMUM DRIVEAWAY TIME With AIRBAG	LAP SHEAR @ DRIVEAWAY	ULTIMATE CURE TIME	LAP SHEAR @ ULTIMATE CURE TIME	TENSILE STRENGTH @ 7 DAYS	SOMACA STOCK NUMBER	PRIMER STOCK NUMBER	PRIMER (8 oz.) NAMES & APPLICATIONS
SOMACA POWR BOND HI-VIS	Sausage Passed #212 @ 35 mph	Cartridge #208 #212	2 HOURS SEE DRIVEAWAY CHART	150 PSI w/ AIRBAGS	> 24 HOURS @ 70° / 50% RH	800 PSI	1100 PSI	Cartridge 121-7349 Sausage 121-7649	121-1001 121-2001 121-2060	GLASS PREP PINCHWELD/GLASS PVC/ENCAPS. & RIM SUBSTRATE
SOMACA SUPER SEAL/HV SOL. FREE		#208 #212	15 HOURS SEE DRIVEAWAY CHART	150 PSI w/ AIRBAGS	48 HOURS @ 70° /50% RH	400 PSI	600 PSI	Cartridge 121-5003	121-1001 121-2001 121-2060	GLASS PREP PINCHWELD/GLASS PVC/ENCAPS. & RIM SUBSTRATE
ESSEX U-400 HV		#208 #212	4 HOURS @ 72° / 50% RH	NA	< 24 HOURS @ 72°/ 50% RH	> 500 PSI	1000 PSI	Cartridge 121-4405	121-8841 121-8842 121-8843	GLASS PREP GLASS PRIMER PINCHWELD PRIM.
ESSEX U-418 HV		#208 #212	8 HOURS @ 72° / 50% RH	NA	< 24 HOURS @ 72°/ 50% RH	> 500 PSI	> 800 PSI	Cartridge 121-4418	121-8843	PINCHWELD PRIM.
TITAN 2000 HV		#208 #212	3 HOURS @ 70° / 50° RH	150 PSI w/ AIRBAGS	48 to 72 HOURS	> 550 PSI	1200 PSI	Cartridge 121-2000	121-2040	PINCHWELD PRIM.
TITAN 800 EM		#208 #212	8 HOURS @ 70° / 50° RH	150 PSI w/ AIRBAGS	48 to 72 HOURS	> 500 PSI	> 700 PSI	Cartridge 121-8611	121-2040 121-2050	PINCHWELD PRIM. GLASS PRIMER
3M HV	#212 @ 4 HOURS	#208	7 HOURS @ 70° / 50° RH	150 PSI w/ AIRBAGS	48 HOURS	> 500 PSI	1000 PSI	Cartridge 121-8690 Sausage 121-8689	121-8685 121-8686 121-8699	GLASS PRIMER PINCHWELD PRIM. PAAS PRIMER



DISCLAIMERS: Data was gathered in July 2002 from manufacturers' documents, verbal reports, and The National Glass Association's Guide to Manufacturers Auto Glass Adhesives. Some information has been reprinted with permission of The National Glass Association, 8200 Greensboro Drive, Suite 320, McLean VA 22102, ©2002, NGA, 703-442-4890; http://www.glass.org.
Laboratory test methods may vary among suppliers and make direct comparison difficult.

Cross Brand Tech Comparisons

HEATED - ONE PART

BRAND NAME	PASSED FMVSS	MEETS FMVSS	MINIMUM DRIVEAWAY TIME With AIRBAG	LAP SHEAR @ DRIVEAWAY	ULTIMATE CURE TIME	LAP SHEAR @ ULTIMATE CURE TIME	TENSILE STRENGTH @ 7 DAYS	SOMACA STOCK NUMBER	PRIMER STOCK NUMBER	PRIMER (8 oz.) NAMES & APPLICATIONS
SOMACA P BOND HEATED HIGH MOD		#208 #212	2 HOURS SEE DRIVEAWAY CHART MIN. INST. 10°F	150 PSI w/ AIRBAGS	> 24 HOURS @ 70° / 50% RH	650 PSI	850 PSI	Cartridge 121-4001	121-1001 121-2001 121-2060	GLASS PREP PINCHWELD/GLASS PVC/ ENCAPS. & RIM SUBSTRATE
SOMACA P BOND HEATED NON-COND HIGH MOD		#208 #212	2 HOURS SEE DRIVEAWAY CHART MIN. INST. 10°F	150 PSI w/ AIRBAGS	> 24 HOURS @ 70° / 50% RH	650 PSI	850 PSI	Cartridge 121-5001	121-1001 121-2001 121-2060	GLASS PREP PINCHWELD/GLASS PVC/ENCAPS. & RIM SUBSTRATE
SIKA ULTRA-FAST II HEATED	#212	#208	2 HOURS	NOT SUPPORTED	24 HOURS @ 73° / 50% RH	500 PSI	> 800 PSI	Cartridge 121-8258	121-8262 121-8206	AKTIVATOR PINCHWELD/GLASS



POWR BOND Heated Starter Kits -
Each kit contains: 48 cartridges, 6 cans of 30 ml primers 121-2003 and 121-1000, and a 2 hole port 12V oven, or a 110V oven with 2, 4 or 6 hole ports.

Heated High Modulus Kits

STOCK NO.	Oven Size	Description
121-4100	2 Hole Port	110V
121-4101	2 Hole Port	12V
121-4102	4 Hole Port	110V
121-4103	6 Hole Port	110V
121-4109	4 Hole Port	HydroTherm™ Heater

Heated Non-Conductive & High Modulus Kits

STOCK NO.	Oven Size	Description
121-4104	2 Hole Port	110V
121-4105	2 Hole Port	12V
121-4106	4 Hole Port	110V
121-4107	6 Hole Port	110V
121-4108	4 Hole Port	HydroTherm™ Heater





Individual Heating Ovens

STOCK NO.	Oven Size	Description
126-7741	2 Hole Port	110V
126-7742	2 Hole Port	12V
126-7743	4 Hole Port	110V
126-7745	6 Hole Port	110V
121-8100	4 Hole Port	HydroTherm™ Heater

Portable Heating/Cooling Chest

For Non-Heated Auto Glass Adhesive, Construction Sealants and Mirror Mastic

- **Holds 30 Cartridges**
- **Optional 110V Power Pack**
- **Heats to Approximately 135°F**
- **Cools to Approximately 40°F**



This heating/cooling chest can operate off of your vehicle's 12V lighter socket. Dimensions: 16" H x 16" W x 18" L.

STOCK NO.	Description	UNIT PKG.
230-5227	Heating Cabinet	ONE
230-5218	110V Power Pack	ONE

CAUTION:
Adhesive that is heated must be extruded. Adhesive that is reheated-or-heated for too long of a time will cure inside the cartridge. Therefore, an adhesive requiring heat that does not extrude has been reheated-or-heated for an excessive time period. Somaca minimum installation temperature is 10°F if cartridges stored at minimum of 60°F.

Sika Urethane & Accessories



SikaTack Urethanes, Starter Kits, and Equipment

APPROVED Carlite by Visteon

SikaTack URETHANES

UNIT PKG: ONE CARTRIDGE

STOCK NO.	Description	Size	Application H = Hot C = Cold	Non-Conductive	Hi Modulus	Case
121-8256	SikaTack® Drive w/17 Aktivator Pads	310ml	C	✔		24
121-8263	SikaTack® ASAP w/17 Aktivator Pads	310ml	H	✔		24
121-8258	SikaTack® Ultrafast*II w/17 Aktivator Pads	310ml	H	✔		24
121-8261	SikaTack® High Modul	310ml	C	✔	✔	12
121-8262	Sika Aktivator - Pads		N/A			204
121-8206	Sika Primer 206 G+P - No Frit Glass & Pinchweld	250ml	N/A			6
121-8215	Sika Primer 215 - PVC & EDPM	30ml	N/A			24

SikaTack ASAP STARTER KITS

UNIT PKG: ONE

STOCK NO.	Description
	Oven Type: 4 Hole Hydrotherm™ Heater
121-8000	4 Cases SikaTack® ASAP • Sika Aktivator • 1 Can Sika Primer 206 G+P
	Oven Type: 6 Hole/110 Volt
121-8006	4 Cases SikaTack® ASAP • Sika Aktivator • 1 Can Sika Primer 206 G+P
	Oven Type: 2 Hole/12 Volt
121-8012	3 Cases SikaTack® ASAP • Sika Aktivator • 1 Can Sika Primer 206 G+P
	Oven Type: 2 Hole/Dual Volt
121-8013	4 Cases SikaTack® ASAP • Sika Aktivator • 1 Can Sika Primer 206 G+P

SikaTack EQUIPMENT

UNIT PKG: ONE

STOCK NO.	Description
121-8100	4 Hole Hydrotherm™ Heater
121-8113	2 Cartridge, 110/12 Volt Dual Oven
121-8106	6 Cartridge, 110 Volt Oven
121-8112	2 Cartridge, 12 Volt Oven
121-8114	Dual Oven Adapter



121-8215



121-8206



121-8258

Essex* ARG Adhesives



*Trademark of Essex Specialty Products, Inc.

U-216 Electric Extrusion Gun and U-216 Applicator Kit

Urethane Adhesives & Primers

STOCK NO.	Essex Part No.	Description	Per Case	UNIT PKG.
121-0208	U-208 EP	Speedlink U-208EP- Bulk Sausage (1.4L)	6	Case of 6
121-8845	EssexPak-Kit	EssexPak Kit–U-208EP applicator, battery, charger & 12 of Speedlink U-208EP	1	1
121-4216	U-216	BETASEAL - 2 Component - Only Somaca Offers 5	10 Kits	5 Kits
121-4500	BETAGUN	U-216 Electric Extrusion Gun	1	1
121-0300	3000 HMNC	BETASEAL - 2 Component - Hi Mod/Non Conductive	10	1
121-1500	1500 HV	BETASEAL - 1 Component - Hi Mod/Non Conductive	50	Cartridge
121-4405	U-400HV	High Viscosity Urethane-E Auto Glass Adhesive	50	Cartridge
121-8801	U-418	Quick Cure Primerless Auto Glass Urethane Adhesive	50	Cartridge
121-4418	U-418HV	High Viscosity Quick Cure Primerless Auto Glass Urethane Adhesive	50	Cartridge
121-0459	U-459SA	Primer - 1 Step - For Glass/Frit - Stick Size	10	Case of 10
121-8841	U-401	Primer - Step 1 of 2 - 3.5 oz.	25	1
121-8842	U-402	Primer - Step 1 of 2 - 3.5 oz.	25	1
121-8843	U-413	Primer - Pinchweld - 4 oz.	25	1
121-4000	U-4000	Activator - PAAS - 1 oz.	16	1
121-8844	U-555	PVC Primer - 4 oz.	25	1

Titan Bonding Systems



Two-Part

All Wide Mouth Cartridges

STOCK NO.	Titan Name	Case	Description
121-1700	700HV	10	Two-Part Solvent Free
121-7150		10	Extruding Gun 2-Part
121-1678		1	Retainer Nozzle Nuts (25)
121-1672		1	Static Mixing Nozzles (25)

One-Part

STOCK NO.	Titan Name	Case	Description
121-2000	2000HV	12	Fast Cure - Hi-Viscosity Passed FMVSS 208/212 in Only 4 Hours
121-8610	380	12	Fast Cure - Regular Viscosity - - Primerless to Glass/Frit
121-8611	800EM	12	Hi Decking, Hi Mod, Hi Vis
121-8612	1000HV	12	Hi Vis, Quick Strength Build Up

Primers

STOCK NO.	Titan Name	Description
121-8603	603A	Glass Primer for Two Part Product
121-2040	WIP-40	Metal Primer - Use with All Titan Products
121-2050	GP-60	Glass Primer - Use with All Titan One Part Urethanes

3M Auto Glass Urethane Windshield Adhesives



Passes FMVSS 212 Crash Test with Passenger-Side Air Bag After 1 Hour of Curing at 69°F.

Rapid Two-Part Urethane Windshield Adhesive (RTP)

APPROVED Carlite by Visteon

- Fast cure formula*
- OEM strength performance
- 10-20 minutes working time
- Requires no expensive application equipment
- Officially licensed by NASCAR™
- High modulus and non-conducting
- Easy clean up
- Easy mixing
- Carlite™ by Visteon™ approved

* Can be accelerated by heat assist

3M Two-Part Urethanes. UNIT PKG: ONE CASE

STOCK NO.	Size	3M No.	Quantity
121-8534	10.5 oz.	08534	6 Packages
121-8533	17 oz.	08533	6 Packages

STOCK NO. 200-8991, Applicator Gun . . .
for use with 3M RTP adhesives. Standard 18/1 ratio gun.

3M One-Part Auto Glass Urethane Windshield Adhesive



UNIT PKG: ONE CASE OF 12

APPROVED Carlite by Visteon

STOCK NO.	Viscosity	3M No.	Type	UNIT PKG.
121-8690*	High	08690	Fast Cure	Cartridge
121-8689*	High	08689	Fast Cure	Sausage (450ml)
121-8693	Medium	08693	Med-Vis	Cartridge
121-8696*	High	08696	Hi-Vis	Cartridge
121-8810	Regular	08609	Med-Vis	Cartridge

***Carlite Approved**



3M Primers - 3 Sizes. UNIT PKG: ONE

STOCK NO.	Color	Size	3M No.
121-8683	Clear	Small, 30 ml	08683
121-8684	Black	Small, 30 ml	08684
121-8685	Clear	Large, 125 ml	08685
121-8686	Black	Large, 125 ml	08686
121-8699	PAAS	Single Use (10)	08982

Silicone, Hood Cover & Blind Spot Mirror

SOMACA 55NC

"Super Seal"
Neutral Cure Black Silicone Sealant

- Non-Acid Formula Eliminates Corrosion Problems
- Excellent Sealant for Sunroof Installations



Somaca Neutral Cure Silicone Sealant 55NC is a non-acetic formula eliminating problems that arise when using a silicone sealant in auto body applications. It is non-corrosive, and based on a no-acid formula. When used to seal a sunroof cut-out, it won't cause rusting. Gassing is not a problem. Curing process does not emit acid vapors that can bubble vinyl and simulated convertible tops. 55NC is fast curing, and reduces time needed to reach full adhesion. "Screw-on" nozzles are furnished with each tube. They save time and preserve material freshness.

SOLD PER CARTRIDGE - 24 CARTRIDGES PER CARTON

STOCK NO.	Color	Cartridge Size	UNIT PKG.
121-1450	Black	10.5 fl. oz.	ONE CARTRIDGE
STOCK NO.	**Description**		**UNIT PKG.**
335-3860	24 Replacement Nozzles		ONE PACKAGE

Car Hood and Body Protector



***BEST SELLER**

These durable, flexible pads are the finest protection a customer's car ever had. Somaca gives you a choice of premium vinyl laminate protectors or one made of economy rubber bonded fabric. They help to cushion against dropped tools and parts, and give car hood and body protection from scratches, abrasions and solvents.

STOCK NO.	Size	Material	UNIT PKG.
201-5430	Small - 54" x 30"	Rubber Bond	ONE
201-4895	*Medium - 27" x 72"	Vinyl Laminate	ONE
201-4827	Large - 27" x 90"	Vinyl Laminate	ONE

Blind Spot Vehicle Mirrors

"Stick-On" Spots



Blind spot convex mirrors are a necessary precaution for everyday road accidents. They provide added visibility and reduce accident potential by broadening the rear view mirror far beyond the range of regular flat glass mirrors. Mirrors are adhesive backed.

Round - Chrome Frame

STOCK NO.	Description	UNIT PKG.
307-6245	3" Diameter	ONE
307-6246	3-3/4" Diameter	ONE

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crlaurence.com
usalum.com
columbiamfg.com
(800) 421-6144

Butyl Set Windshield Products

SOMACA

POWR BOND

Black Butyl Setting Tape



Hi-Tack Formulation

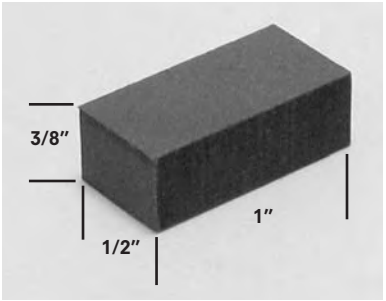
POWR BOND Hi-Tack automotive setting tape is a superlative, economically priced tape. The square kit offers more glass surface contact, and 20% more material. Round tape can easily turn windshield corners, and has the ability to be slightly readjusted after the windshield has set.

SOLD IN 12 ROLL CARTONS - ENOUGH FOR 12 WINDSHIELDS

STOCK NO.	SIZE	UNIT PKG.
	SQUARE TAPE - 15' ROLL	
101-7008	5/16"	ONE CTN.
101-7010	3/8"	ONE CTN.
	ROUND TAPE - 15' ROLL	
101-7007	1/4"	ONE CTN.
101-7009 (Best Seller)	5/16"	ONE CTN.
101-7011	3/8"	ONE CTN.
	FLAT TAPE - 30' ROLL	
101-7000	1/8" x 1/4"	ONE CTN.

Windshield Setting Blocks

60° durometer neoprene setting blocks are used as spacer blocks.



COLOR: BLACK

STOCK NO.	Size	Contents	UNIT PKG.
200-3812	3/8" x 1/2" x 1"	100	ONE BOX

3M Windo-Weld™ Black Butyl Ribbon Sealer

SOLD IN 6 ROLL CARTONS - EACH ROLL CONTAINS 15 FEET

STOCK NO.	Size	UNIT PKG:
	SQUARE TAPE	
101-5631	5/16"	ONE CTN.
101-5632	3/8"	ONE CTN.
	ROUND TAPE	
101-5620	1/4"	ONE CTN.
101-5621 (Best Seller)	5/16"	ONE CTN.
101-5622	3/8"	ONE CTN.

Titan Black Butyl Setting Tape

SOLD IN 12 ROLL CARTONS - EACH ROLL CONTAINS 15 FEET

STOCK NO.	Size	UNIT PKG.
	SQUARE TAPE	
101-3240 (Best Seller)	1/4"	ONE CTN.
101-3250	5/16"	ONE CTN.
101-3260	3/8"	ONE CTN.
	ROUND TAPE	
101-3350	5/16"	ONE CTN.
101-3360	3/8"	ONE CTN.

3M Windo-Weld™ Resealant

Flow Grade; Windo-Weld Resealant is a black sealant that stops leaks and acts as a supplementary seal on butyl set windshields and backlites. Flows easily into pinholes and water leak areas. Dries fast into a flexible seal with excellent resistance to weathering. It won't harden and readily adheres to glass and painted metals. Use with applicator gun 211-6599 and adapter 211-6575.



UNIT PKG: ONE CAN

STOCK NO.	Color	Size	Part #
121-8633	Black	16 fl. oz. Pint Can	08633

ADCOSEAL WB-300



ADCOSEAL WB-300 is non-hardening, non-drying, water resistant and adsorbs expansion/contraction shock and vibration. ADCOSEAL is a general purpose auto aftermarket butyl sealant. It provides instant leakproofing of rubber set windshields, body seams, joints and mouldings. Also used for bedding of glass with window channels.

SOLD PER CARTRIDGE - 10 CARTRIDGES PER CARTON

STOCK NO.	Color	Contents	UNIT PKG.
121-1165	Black	11 fl. oz.	CARTRIDGE

Automotive Tapes

Moulding Retention Tape

With Easy-Tear Perforations



This PVC Tape is preferred most by auto glass installers for it's easy-tear perforations throughout the roll. Tape comes in orange or clear.

STOCK NO.	Color	Size	UNIT PKG.
213-0005	Orange	1-1/2" x 180'	ONE ROLL
213-2612	Orange	2" x 180'	ONE ROLL
213-2671	Clear	1-1/2" x 180'	ONE ROLL
213-2672	Clear	2" x 180'	ONE ROLL

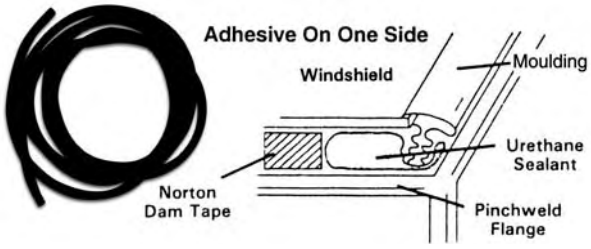
Silver Moulding Retention Tape



This paper-backed retention tape can be easily torn to desired length.

STOCK NO.	Size	UNIT PKG.
213-0006	1" x 180'	ONE ROLL
213-0007	1-1/2" x 180'	ONE ROLL

NORTON Windshield Dam Replacement Tape



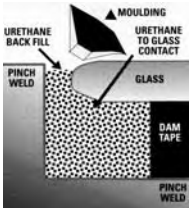
Norton Windshield Dam helps maintain the windshield at the proper distance from the pinchweld, preventing the glass from coming in contact with metal, and stopping urethane from squeezing out into the windshield sight line. Also acts as an additional water seal and helps eliminate wind noise.

COLOR: BLACK - LENGTH: 20"

STOCK NO.	Size	Contents	UNIT PKG.
101-5106	6mm x 6mm	5 Rolls	ONE CARTON
101-5107	7mm x 7mm	4 Rolls	ONE CARTON
101-5116	6mm x 6mm x 1200'		ONE ROLL
101-5117	7mm x 7mm x 1100'		ONE ROLL

MARCY Windshield Dam Tape

Holds 10x Better Than Butyl





- **Retains Height, Unlike Butyl Tape**
- **Tape "Breathes" to Allow a Fast Urethane Cure**

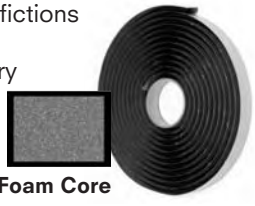
Available Single or Double Sided

ONE ROLL - DOUBLE SIDED TAPE

STOCK NO.	Size	UNIT PKG.
101-5494	1/4" x 1/4" x 15'	ONE ROLL
101-5495	1/4" x 5/16" x 15'	ONE ROLL
101-5496	1/4" x 3/8" x 15'	ONE ROLL
CARTON OF 12 ROLLS - SINGLE SIDED TAPE		
101-6494	1/4" x 1/4" x 18'	ONE CARTON
101-6495	1/4" x 5/16" x 18'	ONE CARTON
101-6496	1/4" x 3/8" x 18'	ONE CARTON
ONE ROLL - SINGLE SIDED TAPE		
101-6497	1/4" x 1/4" x 1200'	ONE ROLL
101-6498	1/4" x 5/16" x 1100'	ONE ROLL
101-6499	1/4" x 3/8" x 1000'	ONE ROLL

Foam Core Butyl Tape

Ford, Lincoln Mercury original specifictions require the use of foam core butyl. It has a unique compression recovery capability that butyl alone does not have. Use to install sunroofs, pickup sliders, RV windows, and on custom vans.



SOLD PER CARTON OF 6 ROLLS

STOCK NO.	Size	UNIT PKG.
101-5267	6mm x 7mm x 16'	ONE CARTON
101-5288	8mm x 8mm x 16'	ONE CARTON

MARCY Windshield Tip-Tape

- **For Edge Protection Before Installation**

Apply this 5mm thick PVC tape to the corners of the windshield for protection from scratching and chipping. Leaves no residue.



STOCK NO.	Color	Size	UNIT PKG.
213-2680	Orange	3" x 300'	ONE ROLL
213-2681	Clear	3" x 300'	ONE ROLL

Auto Glass Urethane Adhesive Guns

Battery Powered Guns

Cross Reference Data - See Next Page

Urethane Adhesive Guns - Battery Powered



This Milwaukee gun extrudes all viscosity urethane adhesives from standard 10.5 oz. cartridges. This is the lightest weight gun in its class - weighs only 4 lbs. Complete with a 12V charger and 2.4V Ni-Cd battery. Charging time is 60 minutes. The gun features an adjustable extrusion control and a visual indicator shows the remaining adhesive. Power rating is 1500N.

STOCK NO.	Description	UNIT PKG.
211-6880	Battery Powered Gun	ONE GUN
211-6881	Replacement Battery	ONE BATTERY
211-6882	110V Charger	ONE CHARGER

12V Caulk and Adhesive Gun Kit



- **Heavy-Duty Cordless Model**
- **Powerful 620 lbs. Pushing Force**
- **Easily Handles High Viscosity Urethanes and Adhesives**
- **Interchangeable Front Ends Work with Standard Cartridges, 29 oz. Sub-flooring Adhesive, and Sausage Packs**
- **Compatible with 12V or 14.4V Power-Plus Batteries**
- **Includes 10 oz. Carriage, One 12V Battery, Small Plunger Rod, Wrench and Charger**

STOCK NO.	Description	UNIT PKG.
211-6021	Gun w/Battery, 12V Charger	ONE KIT
200-4811	Battery (12V, 1.4 AH)	ONE BATTERY
200-1024	Battery (14.4V, 2.4 AH)	ONE BATTERY
200-0245	Charger (12V)	ONE CHARGER
200-0810	Quart Conversion Kit	ONE KIT
200-1030	20 oz. Sausage Conversion	ONE KIT

Urethane Adhesive Guns - Battery Powered



The Somaca gun extrudes all viscosity urethane adhesives, from standard 10.5 oz. cartridges - and up to 20 oz. sausage-style packages. To switch between cartridges and sausages, the barrel must be changed by unlocking the flap that wraps over the top of it. Internal air compressor allows the gun to operate without clutches and makes it virtually maintenance free.
The 13.2V Ni-Cd battery recharges in 80 minutes. The gun weighs 5.9 lbs., with a power rating of 1400N-314 lbs. of force. Extrusion rate is adjustable at the rear of the barrel.

Kit Includes: gun, battery, charger and case.

STOCK NO.	Description	UNIT PKG.
211-6888	Cartridge Kit	ONE KIT
211-6891	Sausage Kit	ONE KIT
211-6889	Battery (13.2V)	ONE BATTERY
211-6878	Cartridge Barrel	ONE BARREL
211-6876	Sausage Barrel	ONE BARREL
211-6879	Charger (110V)	ONE CHARGER

Extrudes Cartridges & Sausages with One Barrel



Panasonic

15 Minute Battery Recharge

This is the first gun ever manufactured that extrudes adhesive from either cartridges or sausage packs, using the same barrel. The gun weighs 4.6 lbs. and has a power rating of 2500N-532 lbs. of force. The electric rack and gear does not have a clutch. Extrusion rate is adjusted below the gun's trigger. The barrel is clear. 7.2V Ni-Cd battery.

STOCK NO.	Description	UNIT PKG.
211-6893	Gun w/Battery, 110V Charger	ONE KIT
211-6894	Battery (7.2V Ni-Cd)	ONE BATTERY
211-6895	Charger (110V)	ONE CHARGER
211-6896	Charger (12V) for cigarette lighter plug	ONE CHARGER

Auto Glass Urethane Adhesive Guns

Cross Reference Chart Data - Battery Powered Guns

	MILWAUKEE STOCK NO. 211-6880	MILWAUKEE STOCK NO. 211-6021	SOMACA STOCK NO. 211-6888	PANASONIC STOCK NO. 211-6893
Voltage	2.4	12	13.2	7.2
Weight	4.0 lbs.	7.35 lbs.	5.9 lbs.	4.6 lbs.
Power	1500N	620 lbs.	1400N	2500N
Charge Time (Min.)	60	60	80	15
Extrusion Capacity Per Charge - Cartridge Sausage	10 N/A	79 Not Tested	18 11	20 12
Extrudes Cartridge/Sausage	Cartridge	Both - With Different Carriages	Both	Both
Auto Back-Off	Yes	Yes	Yes	Yes
Manufacturer's Warranty	1 Year	1 Year	1 Year	1 Year Gun, 90 Days Battery

Urethane Adhesive Pneumatic Guns



211-6887

211-6886
Best Seller

STOCK NO.	Description	Barrel Length	UNIT PKG.
211-6887	Piston Drive	23"	ONE GUN
211-6886	Non-Piston	12"	ONE GUN

Somaca Drill-Mate

An Inexpensive Option - Tool Attaches to Drill



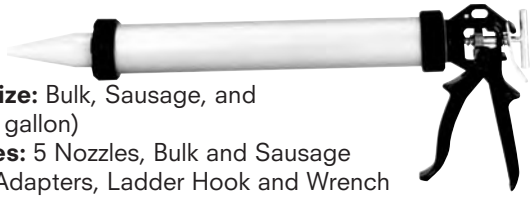
• Extruding Pressure - 300 psi

Extrude sealants with the help of your drill using the Somaca Drill-Mate. It attaches to most cordless or variable speed electric drills and accepts standard size cartridges. Sealant flow is started by briskly pushing release hook forward; quickly pull back on hook to relieve pressure. Extruding pressure is an unbelievable 300 psi. (Drill not included.)

STOCK NO.	Description	UNIT PKG.
211-6883	Drill-Mate	ONE UNIT

Heavy Duty - Hand Operated Urethane Adhesive Guns

Cox 15" Bulk, Sausage and Cartridge Gun



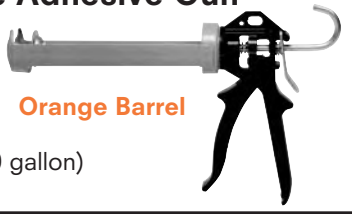
STOCK NO. 200-5101
Cartridge Size: Bulk, Sausage, and 8-1/2" (1/10 gallon)
Gun Includes: 5 Nozzles, Bulk and Sausage Application Adapters, Ladder Hook and Wrench
STOCK NO. 200-5175 - One Replacement Nozzle

"Black Bart" Urethane Adhesive Gun



Thrust Ratio: 18 to 1
Best Seller
Black Barrel
STOCK NO. 211-6825
Cartridge Size: 8-1/2" (1/10 gallon)
UNIT PKG: ONE GUN

"Stalwart" Urethane Adhesive Gun



Thrust Ratio: 12 to 1
Orange Barrel
STOCK NO. 211-6829
Cartridge Size: 8-1/2" (1/10 gallon)
UNIT PKG: ONE GUN

"Dynamo" Urethane Adhesive Gun



Heavy Thrust
Thrust Ratio: 26 to 1
Green Barrel
STOCK NO. 211-6826
Cartridge Size: 8-1/2" (1/10 gallon)
UNIT PKG: ONE GUN

Clear Star Windshield Repair Kits

CLEAR ★ STAR® Super Vac Special



• 24 Repair Kit

KIT INCLUDES:
1 Injector Assembly
24 Adhesive Alignment Seals
24 Pedestals (Resin Chamber)
1 Bottle of UV Resin (12cc)
2 Hoses (30 inches)
1 Flow Regulator
1 Carbide Probe
1 UV Curing Lamp
1 UV Lamp Adapter
4 AA Batteries
24 Mylar Squares
1 Bottle Pit Polish
1 Razor Blade
1 Video Training Tape
1 Instruction Manual
1 Carrying Case

The Super Vac Special contains everything needed to perform 24 high quality, professional repairs in a compact, portable case. This affordable system is easy to use and is the perfect way to get started at performing windshield repairs.

STOCK NO.	Description	UNIT PKG.
122-3396	Super Vac 24 Repair Kit	ONE KIT
122-3397	Super Vac 24 Repair Kit w/Drill	ONE KIT

CLEAR ★ STAR® The Super Vac

• 12 Repair Kit and Dual Repair and Upgrade Kit



12 REPAIR KIT INCLUDES:
1 Large Injector Assembly (60cc)
12 Adhesive Alignment Seals
12 Pedestals
1 Bottle of UV Resin
2 Hoses (30 inches)
1 Flow Regulator
1 Carbide Probe
1 UV Lamp with Clamp/Suction Cup
4 AA Batteries
12 Mylar Squares
1 Bottle Pit Polish
1 Razor Blade
1 Instruction Manual
1 Carrying Case

DUAL REPAIR AND UPGRADE KIT INCLUDES:
1 Large Injector Assembly (60cc)
2 Hoses (30 Inches)
1 Flow Regulator
1 Instruction Manual
1 Carrying Case

The Super Vac repairs windshield chips and bull's-eyes in only 45 min. using UV light. Includes large 60cc reusable injector assembly.
The Super Vac Dual Repair Kit allows you to upgrade your single repair kit and perform two repairs at one time.

STOCK NO.	Description	UNIT PKG.
122-3371	Super Vac 12 Repair Kit	ONE KIT
122-3372	Dual Repair and Upgrade Kit	ONE KIT

Super Vac Deluxe

CLEAR ★ STAR®

• 100 Repair Kit



KIT INCLUDES:
2 Injector Assemblies
100 Adhesive Alignment Seals
100 Pedestals (Resin Chamber)
1 Bottle of UV Quick Cure Resin (25cc)
1 Bottle of UV Crack Filler Resin (25cc)
3 Hoses (30 inches)
2 Flow Regulators
1 Carbide Probe
1 UV Curing Shop Lamp 110V
1 UV Curing Battery Lamp
4 AA Batteries
100 Mylar Squares
1 Bottle Pit Polish
10 Razor Blades and Holder
1 Drill and Drill Adapter
1 Mandrel w/Felt Polishing Tip
2 Carbide Drill Bits
1 Miniature Bull's-eye Maker
25 Crack Resin Applicators
1 Video Training Tape
1 Instruction Manual
1 Carrying Case

Designed for the repair specialist who performs high volume repairs and requires a high intensity UV curing lamp.
The Super Vac Deluxe contains both a 110V UV shop lamp and a portable battery operated UV lamp. This kit also includes 2 injector assemblies for performing two repairs at the same time.

STOCK NO.	Description	UNIT PKG.
122-3398	Super Vac 100 Repair Kit	ONE KIT

Epoxy Windshield Repair Kit

Budget Priced Starter Kit
4 to 5 Hour Vehicle Retention

CLEAR ★ STAR®



• 5 Repair Kit

KIT INCLUDES:
5 Injector Assemblies
5 Epoxy Resin (Part A)
5 Resin Hardener (Part B)
5 Adhesive Alignment Seals
5 Pedestals
1 Instruction Booklet

This kit will cosmetically hide stone damaged windshield chips and bull's-eye breaks up to 1" in diameter. Safe driving visibility is restored, and the danger of the crack "travelling" is lessened. The repair procedure takes 30-45 minutes. However, the vehicle may not be returned to the user for 4 to 5 hours.
Recommended temperature range for repairs is 50° to 85°F. Skin and eye protection from epoxy and amine resins are recommended. Read instruction booklet.

STOCK NO.	Description	UNIT PKG.
122-3380	5 Repair Kit	ONE KIT

Clear Star Re-Supply Packs

CLEAR ★ STAR® Super Vac Re-Supply Packs



• 10 Repair Re-Supply

STOCK NO.	Description	UNIT PKG.
122-3370	Super Vac 10 Repair Re-Supply	ONE PACK



• 24 Repair Re-Supply

STOCK NO.	Description	UNIT PKG.
122-3374	Super Vac 24 Repair Re-Supply	ONE PACK



• 48 Repair Re-Supply

STOCK NO.	Description	UNIT PKG.
122-3385	Super Vac 48 Repair Re-Supply	ONE PACK



• Resin Pedestals

25 resin pedestals with mounted adhesive seals.

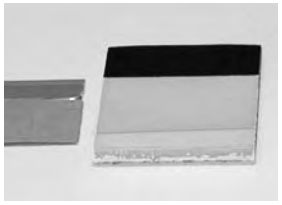
STOCK NO.	UNIT PKG.
122-3376	25



• Alignment Seals

25 double sided adhesive alignment seals.

STOCK NO.	UNIT PKG.
122-3377	25



• Curing Film

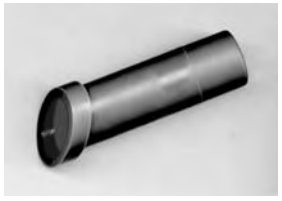
Pad of 25 Mylar curing squares - 1-1/2" square. They hold the resin in place while curing.

STOCK NO.	UNIT PKG.
122-3379	25



• Injector Assembly

STOCK NO.	Size	UNIT PKG.
122-3373	60cc	1



• Cure Guard

Protective UV guard shields resin chamber and flow regulator from UV rays allowing outdoor repairs.

STOCK NO.	UNIT PKG.
122-3399	1



• Sun Shield

15" x 20" plastic shade with 4 suction cups used to shield sun's rays from prematurely curing resin.

STOCK NO.	UNIT PKG.
122-3382	1



• UV Shop Lamp

110V UV lamp with 8' cord.

STOCK NO.	UNIT PKG.
122-3365	1



• UV Curing Lamp

Mobile lamp operates with 4 AA batteries or with 12V adapter.

STOCK NO.	UNIT PKG.
122-3381	1



• UV 12V Adapter

Cigarette lighter 12V adapter for UV curing lamp.

STOCK NO.	UNIT PKG.
122-3383	1



• UV Curing Bulb

Can be used with all UV lamps.

STOCK NO.	UNIT PKG.
122-3400	1

Windshield Repair Kits

AEGIS® Deluxe Windshield Repair Kit



Top of the line kit, perfect for the shop with a high volume of repairs. It includes two fixtures and adapter assemblies to allow operator to do two repairs at the same time.
Kit Includes: Vacuum/pressure pump, 2 repair fixtures, 12V ultraviolet lamp, 2 inspection mirrors, 2 cleaning brushes, glycerine, 2 adapter assemblies, small and standard fixture chamber, penlight, resin for up to 150 repairs, hose assembly, supply box, pit fill kit, lamp holder, cordless drill w/charger, training manual and tapes with hard wall carrying case.

STOCK NO.	Description	UNIT PKG.
122-3368	AEGIS Deluxe (150 Repairs)	ONE KIT

AEGIS® Advantage Windshield Repair Kit



For the shop that will use it more than occasionally, this high quality, mid-priced kit uses a pro-series fixture and a dependable, fully gauged pressure/vacuum pump.
Kit Includes: Vacuum/pressure pump, repair fixture, ultraviolet lamp/flashlight, supply box, glycerine, small fixture chamber, resin for up to 100 repairs, training manual and 2 video instruction tapes with carrying case.

STOCK NO.	Description	UNIT PKG.
122-1500	AEGIS Advantage (100 Repairs)	ONE KIT

AEGIS® Standard Windshield Repair Kit



The standard kit has many of the same features as the deluxe kit. Completely portable with 12V UV lamp, you'll have complete control of the repair process anywhere.
Kit Includes: Vacuum/pressure pump, repair fixture and chamber, 12V ultraviolet lamp, inspection mirror, cordless drill with charger, carbide burr, polymer and crack filler for up to 100 repairs, glycerine, hose assembly, supply box, cleaning brushes, penlight, pit polish, manual and training tapes, marketing materials and carrying case.

STOCK NO.	Description	UNIT PKG.
122-3360	AEGIS Standard (100 Repairs)	ONE KIT

AEGIS® Quik Windshield Repair Kit



The Quik kit sets up so fast that it reduces steps and saves valuable time. This economy kit allows any shop the opportunity to get into windshield repair with very little investment.
Kit Includes:
Pressure/vacuum hose, repair fixture, 12V lamp/flashlight, glycerine, 6 razor blades, 5 syringes, 3 needles, 3 quad rings, 1 polymer (up to 25 repairs), 1 crack filler (up to 25 repairs), 25 Mylar squares, instruction manual and carrying case.

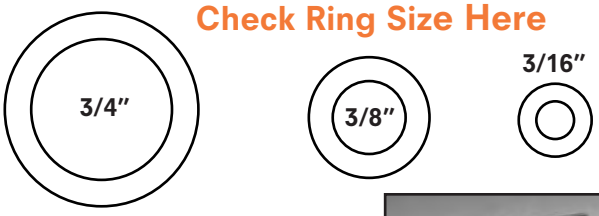
STOCK NO.	Description	UNIT PKG.
122-1060	AEGIS Quik (25 Repairs)	ONE KIT

Windshield Repair



AEGIS® Windshield Repair Kit Parts

Check Ring Size Here





You'll be "repair ready" with this box of supplies. Includes 5 syringes, 2 needles, 6 razor blades, 3 small (3/16") quad rings and Mylar curing film in a hard plastic case with individual compartments.

STOCK NO.	Description	UNIT PKG.
122-3392	3/4" Quad Rings	5
122-3393	3/8" Quad Rings	5
122-3394	3/16" Quad Rings	5
122-3369	Resin Dispensing Pack with 5 Syringes and 5 Needles	ONE KIT
122-3395	Re-Supply Box	ONE KIT

Windshield Repair Kit Parts



Special Purpose Resin

- Solar Tint Glass Repair
- Long Crack Repair - Up to 6"
- Star Breaks with Cracks (Must Use Mylar Squares)



STOCK NO.	Description	UNIT PKG.
122-1036	Aegis Long Crack Repair Kit	ONE
122-3359	Aegis Pit Polish	ONE
122-3361	Windshield Repair Kit Resin 4 ml (15 Repairs)	ONE
122-3362	Aegis Pit Filler	ONE
122-3364	Windshield Repair Kit Resin 1/2 oz. (60 Repairs)	ONE
122-3366	Windshield Repair Kit Resin 1 oz. (120 Repairs)	ONE
122-3367	Aegis Crack Repair Resin 4 ml	ONE
122-3378	Crack Filler Resin 1 oz.	ONE
122-3379	Mylar Curing Squares	25

Rear Defroster Tab Repair Kit



Conveniently packaged epoxy for precision repair and high strength conductive bonding. Simply mix equal parts of "A" and "B".

STOCK NO. 122-2400 **UNIT PKG.** ONE



Rear Defroster Grid Repair Kit

This convenient pen dispenser is for drawing highly conductive silver traces, jumpers and shielding with precision and control. Shake pen vigorously for 20 to 30 seconds than squeeze barrel to start flow.

STOCK NO. 122-2200 **UNIT PKG.** ONE

Overcoat Circuit Protection Coating



Overcoat pen dispenses a clear overcoat that protects your repair of the rear defroster grid.

STOCK NO. 122-3300 **UNIT PKG.** ONE

LOCTITE® Rear Window Defogger Tab Adhesive



Loctite's Industrial Electrically Conductive Adhesive is a two part system that permanently bonds defogger tab to glass. The activator/primer is applied to the lead attachment area on the window and to the tab.

STOCK NO. 122-3351 **UNIT PKG.** ONE

Grinder, Engraver and Rotary Tool

INLAND
The Wizard IV Grinder

Grind and Shape Glass



- Huge, 14-1/2" x 11-1/2" work surface with LiftOff™ reservoir for fast clean-up
- Includes 1" and 1/4" grinding bits
- Face shield with wire holder is provided
- SecondStory™ work surface provides elevated work surface for use with 1/4" bit
- Maximum horse power: 1/9 HP
- Maximum rpm: 3,550
- 115V, 60 Hz

STOCK NO.	Description	Part	UNIT PKG.
220-2604	Wizard IV Grinder	10030	ONE GRINDER



211-8511
3/4" diameter, 5/8" long diamond section.



211-8518
1/4" diameter drill head. 5/16" shaft.



211-8519
1" diameter 5/8" long diamond section.

STOCK NO.	Grit	Shaft Hole	UNIT PKG.
211-8511	100/120	5/16"	ONE BIT
211-8518	100/120	5/16"	ONE BIT
211-8519	100/120	5/16"	ONE BIT

DREMEL® Engraver

• 2 Year Manufacturer's Warranty





Personalize and protect just about anything with the Dremel Engraver. Permanently engrave tools, equipment, glass, stone, plastic, ceramics, metal and leather. Tool speed is 7,200 strokes per minute, with a 5 position calibrated stroke adjustment to regulate the engraving depth from a fine line to deep grooves. A diamond point is also available.

STOCK NO.	Description	UNIT PKG.
211-3083	Engraving Tool w/Carbide Point	ONE TOOL
211-3084	Carbide Point	ONE POINT
211-3085	Diamond Point	ONE POINT

DREMEL® MultiPro®
9.6V Cordless Rotary Drill

• Ideal for Windshield Repair
• 2 Year Manufacturer's Warranty



5,000-25,000 rpm



This powerful 9.6V rotary drill works at 5,000-25,000 rpm, the highest available speeds in cordless rotary tools. It is perfect for windshield repair pit drilling, precision drilling, refinishing, sanding and grinding. Variable speed for a greater range of applications. Drill has a comfort grip for better control and easier handling. Compatible with Dremel attachments.

Kit includes: rotary tool, 3 hour charger, accessories and plastic case.

STOCK NO.	Description	UNIT PKG.
211-3086	Rotary Drill Kit	ONE KIT

ROTARY TOOL ACCESSORIES

Grout Removal Attachment - For use on wall and floor grout, attachment features multiple slide depth adjustment, 30° angle for controlled cutting, guides 180° apart to keep bit centered between tiles, easy screw-on mounting. Offers excellent cutting visibility.



STOCK NO.	Description	UNIT PKG.
211-3087	9.6V Battery	ONE BATTERY
211-3099	3 Hour Charger	ONE CHARGER
211-3100	1 Hour Quick Charger	ONE CHARGER
211-3088	Grout Removal Attachment	ONE
211-7060	1/16" Collet	ONE COLLET

Scratch Polishers and Related Items



Rare Earth Cerium Oxide Glass Polishing Compound

A premium grade cerium for scratch removal and polishing applications.

STOCK NO.	Size	UNIT PKG.
263-1014	1 lb. Can	ONE CAN
263-1018	8 lb. Can	ONE CAN
263-1050	44 lb. Pail	ONE PAIL

CAUTION: Avoid prolonged skin or eye contact, and breathing of cerium powder. Wear an approved dust respirator, such as Stock No. 240-4161 on page 58, when using cerium in an enclosed area.



Complete Polishing Head Assembly

An all wool white polishing felt wheel mounted on the adapter with a 1/4" shank for chucking with power tool of at least 1300 RPM.

STOCK NO.	Description	UNIT PKG.
211-7573	Shank/Head Unit	ONE



Polishing Head

An all wool white polishing felt wheel (No. 260-5031) mounted on a metal adapter with 5/8" R.H. thread.

STOCK NO.	Description	UNIT PKG.
211-7572	Wheel & Adapter	ONE



Threaded Polishing Shank

STOCK NO.	Description	UNIT PKG.
211-0011	Shank	ONE



Polishing Head Adapter

STOCK NO.	Description	UNIT PKG.
211-2871	Adapter	ONE



All Wool Felt Wheel

A dense, all wool white polishing wheel. **Felt wheel must be devoid of Cerium Oxide, and trued before each operation.**

STOCK NO.	Size	UNIT PKG.
260-5031	2-7/8" x 1-1/2"	ONE

SOMACA

Scratch Removal Kit



Sommer & Maca's Scratch Removal Kit is designed to remove fine scratches from windshields and mirrors. Featured in this kit is a Makita #9218PBL, single speed, 1400 RPM, 7" polisher. The 2-7/8" diameter felt polishing head assembly attaches to the drill, and it will evenly distribute a slurry of cerium oxide across the work surface.



Kit includes: 7.8 amp polisher, 2-7/8" dia. felt head assembly, rubber pad, car waxing wool bonnet & 1 lb. container of cerium oxide powder.

STOCK NO.	Description	UNIT PKG.
211-7566	Scratch Removal Kit	ONE KIT

Makita® 7" Polisher For Scratch Polisher Kit





Unit includes: polisher, rubber pad, wool bonnet, spanner and lock nut wrench, and side arm. Weight: 6.4 lbs.

STOCK NO.	Description	Model	UNIT PKG.
211-8541	7" Polisher	9218PBL	ONE POLISHER

SOMACA

"Pocket Polisher"

Glove Compartment Size Kit 1-3/8" Dia. Head

Somaca Pocket Polisher works in any electric 3/8" chuck drill.



Kit includes: 1-3/8" diameter polishing head, 3 felt pads, rubber O-Ring and cerium powder.

STOCK NO.	Description	UNIT PKG.
211-7571	Scratch Polisher	ONE KIT
211-7574	(6) Felt Pads	ONE PKG.
211-7576	(6) Rubber O-Rings	ONE PKG.

Scratch Removal Systems

Scratch Away®

Glass Polishing System

Clean working system . . .
flexible rubber shroud keeps slurry contained - no overspray!

Auto Glass Applications:

- Wholesalers - remove light scratches quickly
- Technicians - provides clean removal of light scratches, wiper blade marks, stains and acid spots, etc.

Flat Glass Applications:

- Remove light scratches quickly
- Polish fabricated bevelled mirror corners and areas needing blending
- Insulating glass - fix in-shop or on-site scratches

Electric Powered Tool Kit



110V/150 Watts
RPM: 5000-9500



Kit Contains:
Electric tool, diagnostic inspection tool, (5) polishing discs, marking pen, red chamois, instructional CD with manual, & plastic case.

STOCK NO.	Description	Weight	UNIT PKG.
211-8743	Electric Tool Kit	3.5 lbs.	ONE KIT

Air Powered Tool Kit



Air Requirement:
8cfm

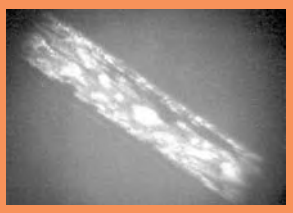
90 PSI



Kit Contains: Air powered tool, diagnostic inspection tool, (10) polishing discs, oil, marking pen, red chamois, instructional CD with manual, and plastic case.

STOCK NO.	Description	Weight	UNIT PKG.
211-8744	Air Tool Kit	1.5 lbs.	ONE KIT

Two Types of Scratches . . .



LIGHT SURFACE or SCUFF MARK SCRATCH -
Over 95% of all scratches are light scratches or scuff marks. This magnified image shows a light scratch. This scratch can be removed.



HEAVY/DEEP SCRATCH -
At left is a magnified image of a heavy/deep scratch. It cannot be removed with this system.

For Light Scratch & Scuff Mark Removal . . .



After cleaning the glass thoroughly, inspect the area with the Diagnostic Inspection Tool. Mark the scratch area from the underside with the red marking pen.



Attach the polishing disc to the polishing head. Then apply water to the surface of the scratch. Work the polishing head, **very slowly,** with consistent pressure, back and forth in the direction of the scratch. Work the area for 30 seconds, then stop. Wipe the slurry away from the scratch with the edge of the red shroud, so you can inspect the progress of your work. Repeat until scratch is removed.

SCRATCH AWAY ACCESSORIES

Diagnostic Inspection Tool

- **Inspect depth and width of scratches**
- **Inspect bevels - post fabrication inspection**
- **Inspect edgework - post fabrication inspection**



The Diagnostic Inspection Tool magnifies the surface image 30 times. The left section of the tool is illuminated so that the scratch can be viewed clearly. The rotary wheel adjusts the focus of the scratch area.



Cerium Oxide Discs

Cerium oxide polishing discs are 2" in diameter, and have an estimated work life of approx. (20) scratches that are two inches long.

STOCK NO.	Description	UNIT PKG.
211-8745	(10) Cerium Oxide Polishing Discs	ONE PKG.
211-8746	Diagnostic Inspection Tool	ONE TOOL
211-8747	Back-Up Plate with Velcro	ONE PLATE

Scratch Removal Systems

AUTOSTOCK
SCRATCH REMOVAL



#1 Head - Grinding



#2 Head - Polishing

Auto Glass Applications:
- Windshields - fast results for windshield distributors

Flat Glass Applications:
- Fabricators
- Window manufacturers
- Window installers
- Tempered/laminated glass in commercial buildings
- Residential sliding glass doors and glass table tops
- Glass elevators

Both scratch removal systems recirculate fluids so the work area is clean and dry. Scratch removal systems are supplied with the operating head(s), slurry container(s), training manuals, videos, and all necessary supplies.

DEEP SCRATCH SYSTEM:
#1 Head - 1-1/4" metal disk grinding with grain
#2 Head - 3" diameter felt pad with cerium oxide to polish grind area

LIGHT SCRATCH SYSTEM:
#2 Head - 3" diameter felt pad with cerium oxide to polish grind area

Either system works to within 1-1/2" of the glass edge. With a special adapter, it is possible to polish within 1/2" of the glass edge.
Factory training available. Estimate one week experience to develop skill at "feathering" to minimize distortion.
Power Source Specifications: 120V - 115 amps minimum.
A portable generator capable of producing 2400 watts of continuous duty can also be used.

STOCK NO.	Application	Operating Heads	Ship Wt.	UNIT PKG.
211-7530	Deep Scratches	2	69 lbs. (2 CTN)	ONE KIT
211-7532	Light Scratches	1	36 lbs. (1 CTN)	ONE KIT

AEGIS®
Scratch Removal System

For Auto Glass and Flat Glass Applications



Kit Contains Enough Discs for 25-50 Six Inch Scratch Removals

The 1800 Kit provides you with everything needed to remove scratches on glass. The kit contains enough discs for 25-50 six inch scratch removals.
The Aegis System utilizes the newest scratch removal technology with 3M Trizact™ abrasive discs. These discs consist of precisely shaped pyramids of aluminum oxide or cerium oxide fine grade minerals. As the top of the pyramids wear away, fresh cutting mineral is continually exposed. Discs easily remove defects such as scuffs, scratches and acid marks. Cleanup is easy and there is no slurry.
For laminated auto glass, light scratches are removed using the white disc and polishing compound. Tempered or flat glass scratches are removed using a series of 4 pads and the polishing compound.

Kit contains:
multi-speed polisher, discs, polishing compound, velcro back-up pad, water bottle, sponge, glass cleaner, hood/fender cover, masking tape, apron and complete instructions.

STOCK NO.	Description	UNIT PKG.
122-2013	Kit w/Tool and Supplies	ONE KIT
122-2014	50 White Discs	ONE PKG.
122-2015	25 Orange Discs	ONE PKG.
122-2016	25 Blue Discs	ONE PKG.
122-2017	25 Green Discs	ONE PKG.
122-2018	Threaded Rubber Pad	ONE PAD
122-2019	Polishing Compound	ONE QUART

See Page 708 For Other Scratch Removal Tools

Etching Supplies

Glass VIN Etch Stencil Kit



Kit contains easy to use materials for making stencils with your computer and dot matrix printer or by typewriter. Best results are obtained by using a label program. Kit instructions tell how to produce stencil labels using Microsoft Word®.

Kit Includes:
Stencils, Etching Chemicals, and Setup Sheet

STOCK NO.	Description	UNIT PKG.
341-5038	50 Stencil Kit	ONE KIT
341-5039	100 Stencil Kit	ONE KIT

Flat Glass Preprinted Stencils

STOCK NO.	Description	UNIT PKG.
341-5042	100 Stencils Laminated Safety Plate AS 1	ONE PAD
341-5043	100 Stencils Laminated Safety Glass AS 2	ONE PAD
341-5044	100 Stencils Architectural 16CFR1201 Cat II	ONE PAD

NOTE: ETCHING CHEMICAL NOT INCLUDED

Laminated Glass Etching Kit



Also Used on Mirrors,
Lab Glassware and Novelty Items

A variety of general uses but especially popular on laminated glass. Sommer & Maca will make custom stencils with your copy.

COMPLETE ETCHING KITS
Includes Stamp, Ink Pad, and 16 oz. Etching Ink

STOCK NO.	Description	UNIT PKG.
341-5028	Laminated Safety Plate AS 1	ONE KIT
341-5029	Laminated Safety Glass AS 2	ONE KIT
341-5026	Architectural 16CFR1201 Cat II	ONE KIT

Mini-Spot Glass Etcher S-4



A versatile, low cost recycling system. Separate collector air bag keeps the air clean and lets you switch abrasives for texture and shading changes. Also switch abrasives for glass to metal etching or rust removal. Two nozzle lengths included for concentrated spray or a wide blast. Air pressure of 40-100 psi is recommended. Use on vertical surfaces only.

STOCK NO.	Description	Weight	UNIT PKG.
213-5264	Spot Blaster S-4	4 lbs.	ONE ETCHER

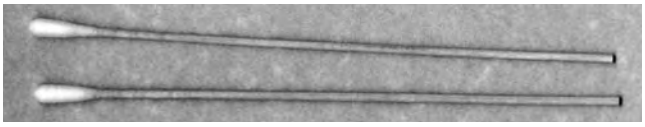
Armour Glass Etching Cream

A thick creamy paste which imparts a frosted finish when applied to glass surfaces. Works very well on stencils.



STOCK NO.	Description	UNIT PKG.
341-5035	Etching Cream 3 oz.	ONE

Etching Cream Applicator Sticks



The fiber end on these 6" long sticks reaches easily into the etching cream or ink.

STOCK NO.	Description	Quantity	UNIT PKG.
121-9900	Applicator Sticks	100	ONE BAG





SOMMER & MACA

Stamp N' Etch

Glass Etching Acid
Ink and Thinner

STOCK NO.	Description	UNIT PKG.
341-5031	16 oz. Etching Ink	ONE
341-5032	16 oz. Thinner	ONE



Etching Ink Stamp Pad

STOCK NO.	Description	UNIT PKG.
341-5024	Stamp Pad 4-3/8" x 2-3/4"	ONE

Automotive Razor Blades/Utility Blades

Single-Edge Razor Blades

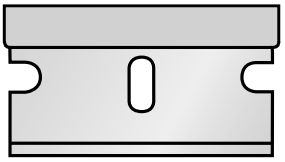
Industrial Stock - Notched and Straight Sides



These are the toughest and strongest industrial blades available. The edges are meticulously ground, honed on each side, and polished. Each blade is securely wrapped in stiff protective paper to shield the edges before use. Non-rusting aluminum backs provide a sturdy grip.

Standard Box: 100 Blades
Jobbers Carton: 1000 Blades (10 Boxes of 100)
Jumbo Carton: 5000 Blades (50 Boxes of 100)
Blade Size: 1-1/2" x 3/4"

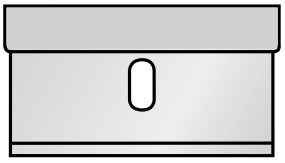
General Application



Notched Side

STOCK NO.	Description	Contents	UNIT PKG.
210-4502	Standard Box	100	ONE BOX
210-4503	Jobbers Carton	1000	ONE PKG.
210-4517	Jumbo Carton	5000	ONE CTN.

Strongest for Scraping Applications

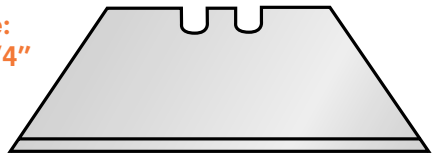


Straight Side

STOCK NO.	Description	Contents	UNIT PKG.
210-4515	Standard Box	100	ONE BOX
210-4513	Jobbers Carton	1000	ONE PKG.
210-4516	Jumbo Carton	5000	ONE CTN.

Utility Knife Blade Dispensers

Blade Size: 2-3/8" x 3/4"



These wall mounted dispensers are the most convenient and safest method of dispensing blades. These units contain high quality, American-made, heavy duty blades. The 100 blade units can be mounted either on screw heads, nails or cup hooks. The Somaca dispenser, 210-4910, dispenses blades in any position.

STANLEY UTILITY BLADE DISPENSER

STOCK NO.	Description	Contents	UNIT PKG.
210-4912	Dispenser Pack	100 Blades	ONE
210-4902	Blister Card	5 Blades	ONE CARD

SOMACA UTILITY BLADE DISPENSER

STOCK NO.	Description	Contents	UNIT PKG.
210-4910	Dispenser Pack	100 Blades	ONE
210-4911	20 Dispensers	2000 Blades	ONE CTN.



Auto Glass/Cold Knife Blades

UltraWiz® Stainless Steel Cold Knife Blades



Stainless Standard Blade

The edge of this 3/4" coined blade will outlast any standard high carbon steel blade available - it will reduce sharpening to a minimum.

STOCK NO.	MFR #	UNIT PKG.
201-4901	7001M	ONE



Stainless Long Blade

The 1" cut length of this blade is the industry favorite, and the industry's most durable because it is made of stainless steel.

STOCK NO.	MFR #	UNIT PKG.
201-4902	7002M	ONE



Stainless XL Blade

This 1-1/2" coined blade will cut the deep corners and thick bases that you have become accustomed to with the original XL, and keep a sharp edge.

STOCK NO.	MFR #	UNIT PKG.
201-4904	7004M	ONE

UltraWiz® Cold Knife Blades



Starter Blade

The 3/8" blade is used to precut the seal before using the longer blades. It dramatically reduces the pulling force required to cut cured urethane.

STOCK NO.	MFR #	UNIT PKG.
201-1001	1000M	ONE



Standard Blade

The sharpest, strongest blade in its class. This 3/4" coined blade cuts faster, handles easier and lasts longer than any standard blade you try.

STOCK NO.	MFR #	UNIT PKG.
201-1004	1001M	ONE



Long Blade

The 1" long blade is the best tool for most glass removal applications, with added strength and deeper cutting ability. The industry favorite.

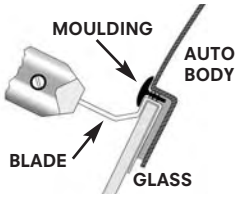
STOCK NO.	MFR #	UNIT PKG.
201-1005	1002M	ONE



XL Blade

Extra long blade for deep corners and thick bases. Cuts cured urethane up to 1-1/2" thick. Customers say it works best when used after initial cut with the standard UltraWiz blade.

STOCK NO.	MFR #	UNIT PKG.
201-1007	1004M	ONE





Offset Moulding Blade - Hood & Fender Clearance

Blade removes glass first without damaging most mouldings. Offset design allows clearance between the hood/fenders and glass without chipping paint.

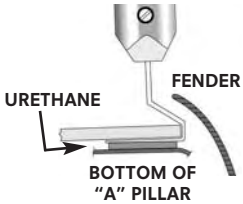
STOCK NO.	MFR #	UNIT PKG.
201-1011	1022M	ONE



Moulding Remover Blade - Rubber Gaskets

Easily cuts the urethane that sometimes bonds the rubber gasket and windshield on some older domestic and foreign vehicles.

STOCK NO.	MFR #	UNIT PKG.
201-1002	1005M	ONE





Offset Clearance Blade - Lower "A" Pillar Corners

Blade gives the technician added clearance to the cold knife when cutting around the lower windshield corners.

STOCK NO.	MFR #	UNIT PKG.
201-1020	1012M	ONE

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crlaurence.com
usalum.com
columbiamfg.com
(800) 421-6144

Windshield Cut-Out Knives

"Cable Action" Cut-Out Knife



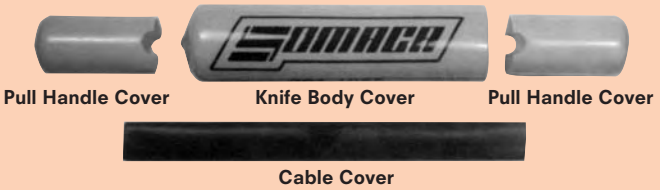
The cable swivel handle can be used in any position you want to cut-out windshield and backlite sealants. Features a large aluminum handle and stainless steel pull cable. Blades can be resharpened. Holds all Somaca and Wizard blades. Caution must be used when replacing or storing blades.

STOCK NO.	Description	UNIT PKG.
201-1062	Knife w/1" Blade	ONE
201-1052	Knife w/Foam Cover & 1" Blade	ONE

REPLACEMENT PARTS

STOCK NO.	Description	UNIT PKG.
201-1110	Cable Handle	ONE
201-1012	Nylon Roller	ONE

Plastic Cold Knife Cover Kit



Prevent auto body paint damage by covering your cold knife. Cover kit includes covers for pull handle, cable and cold knife body cover.

STOCK NO.	Color	UNIT PKG.
201-1065	Orange	ONE KIT
201-1066	Green	ONE KIT
201-1067	Yellow	ONE KIT

Push Button Blade Release Cable Cut-Out Knife

Knife has an instant blade release in the handle base for fast blade changes. Beefed-up metal handle has a black plastic cover. Knife holds any size UltraWiz blade or 3/4" wide blade.



STOCK NO.	Color	UNIT PKG.
201-1000	Knife with 1" Blade	ONE

UltraWiz™ Urethane Cable Cut-Out Knife

It's easy to cut through urethane with the UltraWiz cable knife. Solid metal handle gives you control, comfort and gripping power. Holds any size Somaca or UltraWiz blade. Handle is 4-3/4" long.



STOCK NO.	Description	UNIT PKG.
201-1009	Knife with 1" Blade	ONE

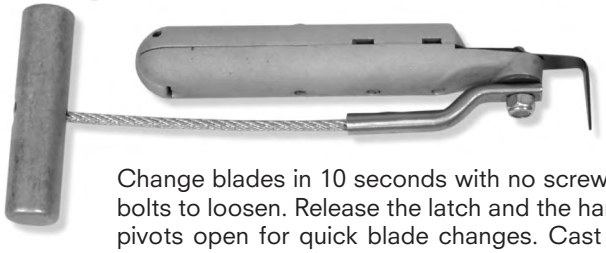
Urethane Cut-Out Handles



Solid metal handles designed for two-handed use. Hold any size Somaca or UltraWiz blades. Blades not included.

STOCK NO.	Description	UNIT PKG.
201-1246	4-3/4" Handle	ONE
201-1247	8-3/4" Handle	ONE

Equalizer® Switchblade™



Change blades in 10 seconds with no screws or bolts to loosen. Release the latch and the handle pivots open for quick blade changes. Cast aluminum pull handle and one blade.

STOCK NO.	Description	UNIT PKG.
200-0423	Equalizer Switchblade	ONE

Loop Handle for Cold Knives



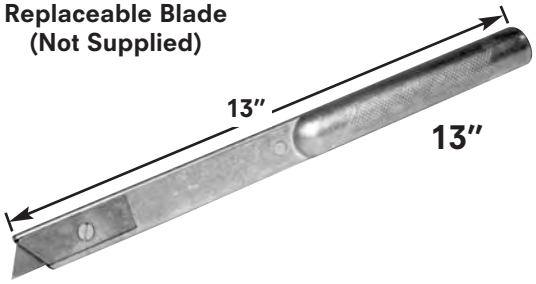
Large neoprene cover allows you to tighten the loop to fit your hand and give a comfortable grip. Eases strain.

STOCK NO.	Description	UNIT PKG.
230-1546	Loop Handle	ONE

Urethane Cut-Out Knives & Blades

"Small Wonder" Urethane Cut-Out Knife

Replaceable Blade (Not Supplied)



Heavy duty knife, but with a shorter, more maneuverable reach of 13". Made of sturdy, cast aluminum, and can be extended with conduit. Uses standard utility knife blades, which are ordered separately.

STOCK NO.	Description	UNIT PKG.
201-1119	Heavy Duty Knife - 13"	ONE
201-1118	Replacement Blade Plate w/screw	ONE SET

Extra Heavy Duty Knife



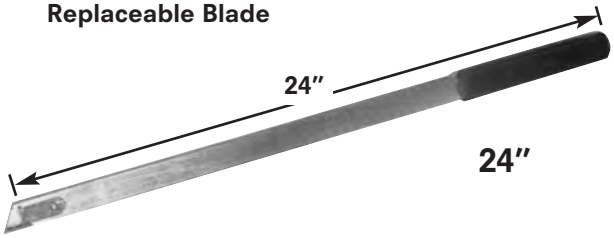
Get an extra 16" reach down to the dash with our extra heavy duty knife. Made of steel and aluminum with a cushioned grip, and can be extended with a piece of conduit. Uses standard ultility knife blades. Order blades separately.

STOCK NO.	Description	UNIT PKG.
201-1120	Extra Heavy Duty Knife - 16"	ONE

Thin, Rigid 24" Urethane Knife

Ideal for Under Dash Cut-Outs

Replaceable Blade



Long length gives you cutting leverage. Heavy duty, rigid aluminum handle will not flex. Blade is centered so the tool can be used from either side. Flush securing screws prevent dash and moulding damage. Order blades separately.

STOCK NO.	Description	UNIT PKG.
201-1124	Heavy Duty Knife - 24"	ONE

Urethane Cut-Out Knife

Replaceable Blade

Tool Shown With Optional Pull Handle





201-1056 Standard Blade Furnished



201-1057 Thin Blade

Unique urethane tool provides an easy method for cutting a cavity in the original urethane bead. It allows for the addition of a new urethane bead and the replacement of the moulding. Two interchangeable blade widths, and optional pull handle for extra leverage to cut especially tough sealant.

STOCK NO.	Description	UNIT PKG.
201-1055	Urethane Removal Tool	ONE KNIFE
201-1056	Standard Blade	ONE BLADE
201-1057	Thin Blade	ONE BLADE
201-1058	Pull Handle	ONE HANDLE

Urethane Cut-Out Tool

Replaceable Blade



201-1271 Blade Furnished

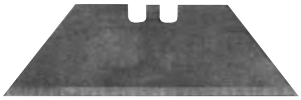


Tool strips away excess urethane enabling reveal moulding on flush mount windshields and backlites to be installed with ease. To simplify the reinstallation of the reveal moulding, a channel must be made between windshield and body panel.

STOCK NO.	Description	Length	UNIT PKG.
201-1270	Urethane Knife	8"	ONE TOOL
201-1271	Six Replacement Blades	1-2/3"	ONE PKG.

Utility Knife Blades

Blade Size: 2-3/8" x 3/4"



Heavy duty, American made blades. Available in 5 pack, 100 pack dispensers, or bulk carton of 2000 blades.

STOCK NO.	Description	UNIT PKG.
210-4902	5 Pack	ONE PKG.
210-4912	100 Pack - Stanley	ONE PKG.
210-4910	100 Pack - Somaca	ONE PKG.
210-4911	20 Dispensers - 2000 Blades	ONE CTN.

Urethane Knives

Sabre® Urethane Knife



Quick change blade design lets you remove and replace the old blade in ten seconds. It is recommended you cut forward and lift the Sabre Knife up so the blade clears the urethane.

STOCK NO.	Length	UNIT PKG.
200-0532	20" with Blade	ONE

UltraWiz® Urethane Knife



A thin knife - only 3/16" wide. Made of steel with a comfortable handle. Comes with one blade.

STOCK NO.	Length	UNIT PKG.
200-4018	18"	ONE

Largo Banana Windshield Cut-Out Knife

Replaceable Scalloped Edge Blade



Features a scalloped edge blade which saves the cost of buying a new tool when the blade gets dull. To change blades, unscrew the set screw inside the handle. The Somaca blade is thicker than competitive brands, providing longer blade life and effectiveness.

STOCK NO.	Description	Length	UNIT PKG.
201-1122	Scalloped Blade Knife	15-1/2"	ONE
201-1123	Replacement Blade	7-3/8"	ONE

Adjustable Long Knife



Quick adjustment from 18" to 24" with just a handle twist.

STOCK NO.	Length	UNIT PKG.
200-0226	Adjustable 18" to 24"	ONE

Extended Long Knife Blades



Blades are designed to be put into the opening where the side plate would normally go.

STOCK NO.	Description	UNIT PKG.
200-0471	Regular Blade	ONE
200-0472	Serrated Blade	ONE

X-Long Blades for Utility Knives



Standard Blade



Extra Long Blade



Extra Long Serrated Blade

These blades are designed to be put into the opening of long knives to cut through the thick urethane bead. Standard utility blades measure 2-3/8" compared to our blade measuring 3-3/4" and giving you at least 2-1/4" exposed cutting area. Blades are available serrated or non serrated.

STOCK NO.	Description	UNIT PKG.
200-0582	Extra Long	TEN BLADES
200-1860	Extra Long and Serrated	TEN BLADES

Windshield Cut-Out Wire & Tools

Windshield Cut-Out Wire





STOCK NO.	Description	Gauge	Length	Type	UNIT PKG.
201-1237	Extra Long Coil	0.016	366′	Round	ONE COIL
201-1006	Short Coil	0.020	48″	Round	TEN COILS
201-1301	TightWire™	0.022	72′	Braided	ONE COIL
200-0508	Squire™	0.022	72′	Square	ONE COIL
201-1075	Long Coil	0.024	150′	Round	ONE COIL
201-1235	Long Coil	0.024	235′	Round	ONE COIL
201-1236	Extra Long Coil	0.024	650′	Round	ONE COIL
201-1234	Braided Coil	0.024	50′	Braided	ONE COIL

TightWire™ Start-Up Kit



The TightWire Start-Up Kit is an economical way to purchase three of the most popular items.

STOCK NO.	Description	UNIT PKG.
201-1231	Wire, Grips, Wire Starter	ONE KIT

TightWire™ Grips



Securely holds cut-out wire. Made of aluminum with vinyl covered handles.

STOCK NO.	Description	UNIT PKG.
201-1233	TightWire Grips	ONE PAIR

GripTite™



Features a quick wire release, which allows you to adjust the length of the cut-out wire. A real time saver.

STOCK NO.	Description	UNIT PKG.
200-0200	GripTite Handles	ONE PAIR

Wirestarter™



Putting wire through urethane is almost impossible. The Wirestarter is a hollow tube which easily pushes through the urethane. Insert the wire through the tube and push through.

STOCK NO.	Description	UNIT PKG.
201-1232	TightWire Starter	ONE

Centerstart™



Helps start the wire in the center of the windshield, even below the dash.

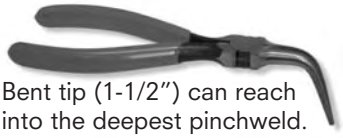
STOCK NO.	Description	UNIT PKG.
200-0789	Centerstart	ONE

T-Handle Centerstart™



STOCK NO.	Description	UNIT PKG.
200-1130	T-Handle Centerstart	ONE

Wire Grabber Pliers



Bent tip (1-1/2″) can reach into the deepest pinchweld.

STOCK NO.	Description	UNIT PKG.
200-0516	Pliers	ONE PAIR

Wire Guide



Protects dash and interior mouldings from being damaged.

STOCK NO.	Description	UNIT PKG.
200-0010	Wire Guide	ONE

SideWinder™

One man cut-out tool pulls wire back after you make a cutting stroke. Kit includes SideWinder tool, TightWire, Wirestarter and TightWire Handle.





STOCK NO.	Description	UNIT PKG.
200-0073	SideWinder	ONE KIT

Chisels & Scrapers

The "Persuader" Chisel
Fixed Blade



All steel chisel cuts through heavy bands of urethane faster in some situations than power tools. Rap with a 2 lb. hammer, and the sharp 4" radius blade cuts cleanly. Hand drilling hammer, No. 211-4350 is recommended for use with the chisel.

STOCK NO.	Description	Length	Wgt.	UNIT PKG.
230-4480	Pinchweld Chisel	15-3/4"	2 lbs.	ONE
211-4350	Hammer	10"	2 lbs.	ONE

Windshield Moulding Chisels and Scrapers
Replaceable Blade - Lucite Handle



Medium Duty



Primarily for removing sealant from pinchwelds on all gaskets and backlite installations. Also removes putty from metal sash after using an electric putty softener. Forged 1/4" square shank. Lucite handle with replaceable blade. 8" long blade.

STOCK NO.	Blade Width	Tool Length	UNIT PKG.
230-4485	7/8"	10-1/2"	ONE
230-4486	Replacement Blade		ONE

Fixed Blade - Aluminum Handle



Heavy Duty

Removes sealants from pinchwelds and channel packing. Also removes putty and glazing compound. Solid metal handle with tempered shaft. 7-3/8" long blade.

STOCK NO.	Blade Width	Tool Length	UNIT PKG.
230-4490	3/4"	12"	ONE

Fixed Blade - Lucite Handle



Super Heavy Duty

Easily removes pinchweld sealant on gasketless windshield installations, and old putty or dried weatherstripping. Rugged steel shaft. 7" long blade.

STOCK NO.	Blade Width	Tool Length	UNIT PKG.
230-4483	1"	11-1/4"	ONE
230-4484	1-1/2"	12-3/8""	ONE

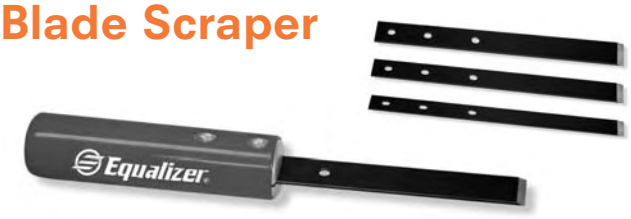
Equalizer® Super Scraper



With this tool you don't have to worry about stopping work and sharpening blades - it uses disposable razor sharp blades. Half-inch wide scraper fits the smallest pinchweld.

STOCK NO.	Description	UNIT PKG.
200-0300	Super Scraper	ONE
200-0301	Package of 5 Replacement Blades	ONE PKG.

Equalizer® Replaceable Blade Scraper



This may be the last scraper you ever buy. Replaceable blades are held in by two set screws.

STOCK NO.	Description	UNIT PKG.
200-0595	Scraper with 3/4" Blade	ONE
201-1785	3/4" Blade	ONE
200-1262	5/8" Blade	ONE
200-1263	1/2" Blade	ONE

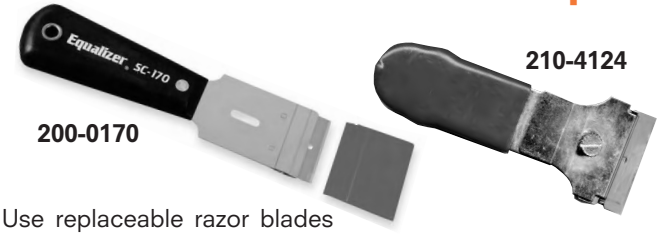
Equalizer® Pinchweld Scraper



Scrapes the excess urethane or butyl from pinchwelds. 3/4" wide blade is slightly smaller than most pinchwelds, but large enough to remove all the urethane. Made of spring steel hard enough to hold a good edge, but will not dig into the pinchweld. Can be resharpened hundreds of times.

STOCK NO.	Description	UNIT PKG.
200-0531	Pinchweld Scraper	ONE

Wide Pinchweld Scrapers



Use replaceable razor blades so you don't have to worry about resharpening.

STOCK NO.	Description	UNIT PKG.
200-0170	Wide Pinchweld Scraper	ONE
210-4124	Mini-Razor Blade Scraper	ONE

Fein Automotive and Flat Glass Tools

Fein Tools

The Fein blades oscillate from 9,000 to 22,000 times per minute depending on the setting of the variable speed control. The wide range of blades assures the technician of access to the correct blades for the removal task.
Blade speed should be started at setting #1, although most removal work will be performed at settings #4-1/2 to #5. If a pure sine generator/inverter is used with the electric tool, it must have a minimum of 400 watts of input power.

NOTE: When ordering Fein blades #103 and #111, order either from the auto glass or the glazing list. There is a duplication of these two numbers using the basic Fein manufacturer number.



Auto Glass Applications:

- **Exterior and Interior Cut-Outs of Windshields**
- **Back Glass, Quarter Glass and Encapsulated Parts Removal**
- **Metal Cutting Tool for Sun Roof Installations and Related Auto Applications**



Flat Glass Applications:

- **Construction Sealant Removal**
- **Insulating Glass - Use to Cut Units Apart**
- **On Site Removal and Installations**





Pneumatic Tool
STOCK NO. 200-0625

Electric Tool
STOCK NO. 201-1590





Fein electic cut-out tools include:
tool, case, pull handle, spanner wrench and an instruction manual.

STOCK NO.	Description	UNIT PKG.
201-1590	Electric Fein Tool	ONE
201-1580	Electric Tool with 6 Blades	ONE KIT
200-0625	Pneumatic Fein Tool Only	ONE
209-5513	Fein 9.2 Gallon Vacuum Cleaner with 16 ft. Hose	ONE
209-5514	Fein 6 Gallon Vacuum Cleaner with 10.5 ft. Hose	ONE
200-0122	Cordless Drill/Screwdriver - 12V	ONE

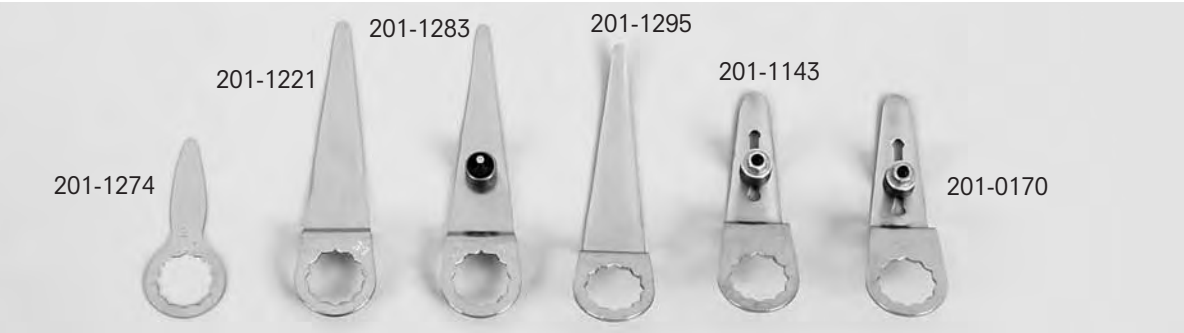
ACCESSORIES

STOCK NO.	Description	UNIT PKG.
201-1298	Pull Handle for Electric Tool	ONE
201-1288	Wrench - Spanner	ONE
201-1302	Wrench - Open End	ONE

Fein Auto Glass Blades

Fein Auto Glass Blades - Each technician will select blades for general purpose use. Listed below are some vehicle applications. Blades are sorted by blade type/shape (e.g. straight, hook, etc.) and by Fein's manufacturer number. The Fein number is on the collar of each blade.

Straight Blades



STOCK NO.	Blade Type	Mfr #	General Purpose or Vehicle Specific Applications	Cutting Surface	Popular Blades	UNIT PKG.
201-1274	Straight	073	Thin blade, removes excess adhesive from vertical edge of glass	1-3/8"	★	2
201-1221	Straight	081	Inside removal, most vehicles	2-5/16"	★★★★★★	2
201-1283	Straight	097	For Lincoln Cont., Mercury Lynx/Topaz, Ply. Sundance Windshield Removal	2-5/16" w/depth stop	★★★★★	2
201-1295	Straight w/Curve	125	Chrysler Voyager back glass removal	2-3/4"	★★★★	2
201-1143	Straight w/Stop	143	Ford Scorpio back glass	1-7/16" w/adjust depth stop	★★	2
201-0170	Straight	170	Inside removal (e.g. Chevy) to protect headliner and pinchweld	23/32" to 1-1/2" w/adjust depth stop	★	2

U-Form, Curved and Bent Blades


200-0157


201-1287



201-1277

STOCK NO.	Blade Type	Mfr #	General Purpose or Vehicle Specific Applications	Cutting Surface	Popular Blades	UNIT PKG.
200-0157	U-Form	157	Outside removal wide adhesive	2-3/8"	★	2
201-1287	Curved	072	Fixed depth stop for quarter glass removal inside car	1-3/16"	★★	2
201-1277	Bent	103	Back glass - Chevy Pickup, Dodge Dakota Pickup	1-3/8"	★	2

Fein Auto Glass Blades

Hook Blades



201-1226 201-1225 201-1284 201-1285 201-1114 201-1181 201-1147

STOCK NO.	Blade Type	Mfr #	General Purpose or Vehicle Specific Applications	Cutting Surface	Popular Blades	UNIT PKG.
201-1226	Hook	076	Buick Riviera, Dodge Lancer and Ford Probe W/S removal	15/16"	★	2
201-1225	Hook	079	BMW 3, 5 and 7 Series, Audi 100/200 Series, Ford Escort	1-7/16"	★	2
201-1284	Hook	107	Audi 5000, Renault 21, Plymouth Reliant	2-3/8"	★★★	2
201-1285	Hook	111	Ford Taurus, Chrysler Laser, Ford Crown Victoria	3-3/4"	★★★	2
201-1114	Hook	114	Long shank permits blade to remove bottom corner of windshield without damage to the upper fender during windshield removal	1-1/4"	★	2
201-1181	Hook	118	Toyota Corolla, Crown and Starlet windshield removal	3/4"	★★★	2
201-1147	Hook	147	Alfa Romeo 155 windshield and back glass	1-1/4"	★★★★	2

Scrapers



201-1381



201-1286



200-3128



201-0146

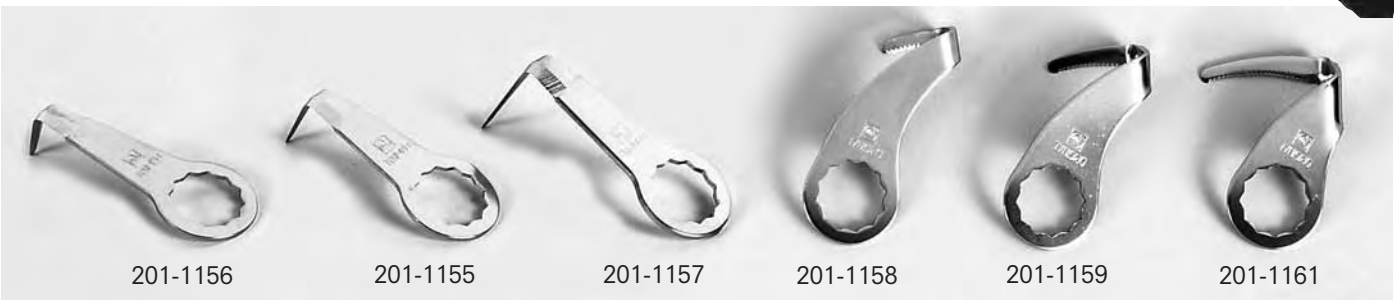
STOCK NO.	Blade Type	Mfr #	General Purpose or Vehicle Specific Applications	Cutting Surface	Popular Blades	UNIT PKG.
201-1381	Scraper	105	Adhesive removal on wide pinchweld most domestic vehicles & heavy equip.	1"	★	2
201-1286	Scraper	113	"T" style for removal of wide beds of adhesive in the pinchweld	NA	★	2
200-3128	Mushroom Scraper	128	Remove excess adhesive from windshield frit band	NA	★★	5
201-0146	Scraper	146	Domestic pinchweld	3/4"	★	2

Fein Auto and Flat Glass/Insulating Blades

Gator Blades

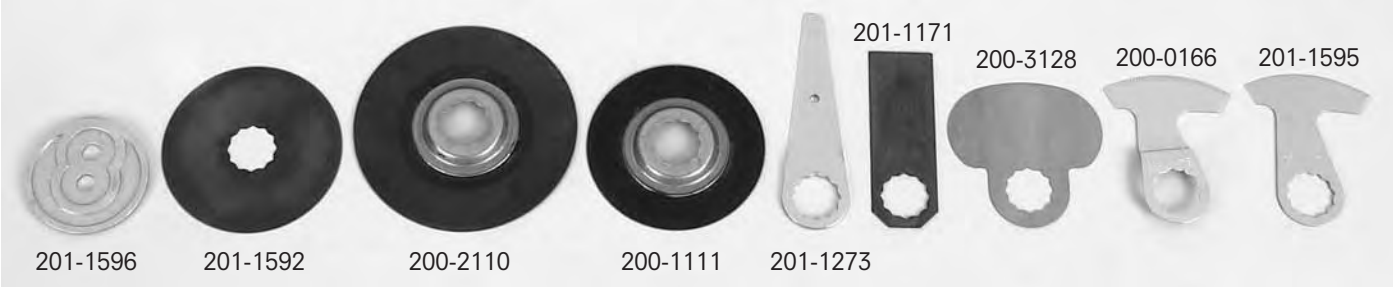


Cold knife blades with serrated leading edge create grooves to help adhesive bond.



STOCK NO.	Blade Type	Mfr #	General Purpose or Vehicle Specific Applications	Cutting Surface	Popular Blades	UNIT PKG.
201-1156	L-Form	208	Oscillating cold knife blade	3/4″	★	2
201-1155	L-Form	207	Oscillating cold knife blade	1″	★	2
201-1157	L-Form	209	Oscillating cold knife blade	1-1/2″	★	2
201-1158	U-Form	210	Oscillating cold knife blade	3/4″	★	2
201-1159	U-Form	211	Oscillating cold knife blade	1″	★	2
201-1161	U-Form	212	Oscillating cold knife blade	1-1/2″	★	2

Flat Glass/Insulating Glass Blades



STOCK NO.	Blade Type	Mfr #	General Purpose or Vehicle Specific Applications	Cutting Surface	Popular Blades	UNIT PKG.
201-1596	Circular	058	Blade depth stop ring	2″ Dia.	★	1
201-1592	Circular	103	Cuts putty, plastic, wood and metal	3-1/8″ Dia.	★	2
200-2110	Circular - Offset	110	Cutting flush with surface	4″ Dia.	★	1
200-1111	Circular - Offset	111	Flush cuts putty, wood and metal	3-1/8″ Dia.	★	1
201-1273	Straight w/taper	116	Deep cuts - construction sealants	3″	★	5
201-1171	Square	117	Construction sealant remover	2-1/2″	★	5
200-3128	Mushroom	128	Flexible sealant cutter	NA	★	5
201-1595	“T” Shape	132	Cuts between IG and wood frame	11/16″	★	2
200-0166	Serrated	166	Cuts putty from sash	NA	★	2

Auto Glass Removal Tools

Freedom Cordless
18 Volt - 1 Horsepower



Remove 2-3 windshields on one battery charge depending on how difficult the glass is to remove. One hour battery charge. The .020 thick blade reciprocates inside a metal sheath at 4000 strokes per minute. Glass removal is done from inside.
STANDARD KIT: Contains one 8" sheath, blade, charger and battery.
DELUXE KIT: Contains charger, battery, case, safety eyewear one 4", 8", and 12" sheath, and two 4", 8" and 12" blades.

STOCK NO.	Description	Charger	UNIT PKG.
200-0116	Standard Kit	120V	ONE KIT
200-0117	Standard Kit	12V	ONE KIT
200-0113	Deluxe Kit	120V	ONE KIT
200-0115	Deluxe Kit	12V	ONE KIT
200-0118	Battery	18V	ONE
200-0121	Automotive Charger	12V	ONE
200-0120	Charger	120V	ONE



Viper Cordless
18 Volt - Oscillating Blade

This tool cuts through the widest beads of auto glass adhesive. Battery must be tightly strapped to the tool during use.
TOOL ONLY: Contains 12V charger, battery, and one straight offset blade.
KIT: Contains 12 charger, battery, case and 8 blades.

STOCK NO.	Description	UNIT PKG.
200-0421	Viper Cordless Kit	ONE KIT
200-0419	Tool Only	ONE
200-0118	Battery - 18V	ONE
200-0120	Charger - 120V	ONE

Magnum
120 Volt - 1 Horsepower

The Magnum is the heaviest duty Equalizer® electric tool. Work inside the vehicle. The .020 blade reciprocates inside a metal sheath.
STANDARD KIT: One 8" sheath and one 8" blade.
DELUXE KIT: Case, one 4", 8", and 12" sheath, and two 4", 8", and 12" blades, and safety eyewear.

STOCK NO.	Description	UNIT PKG.
201-1496	Standard Kit	ONE KIT
201-1497	Deluxe Kit	ONE KIT



Best Seller

Auto Glass Removal Tools

Equalizer® Blades

Fit All The Equalizer® Line of Tools

Traditional Blades

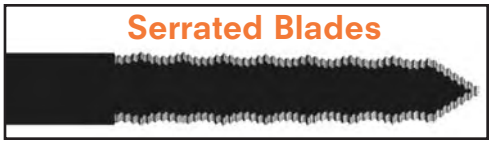


201-1488

201-1487

201-1486

Serrated Blades



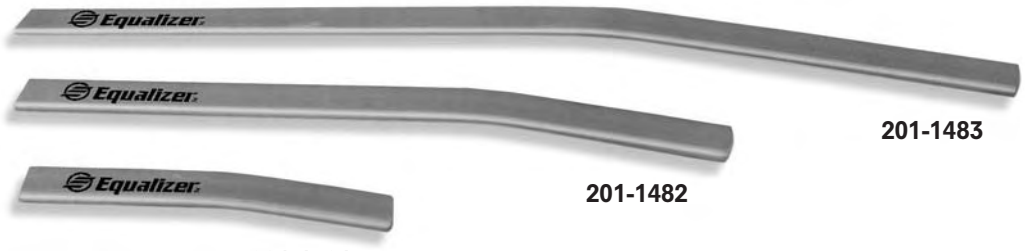
Every auto glass technician knows that the patented Equalizer® blades will not bind or bend in the sheath because of the high quality manufacturing standards. These blades fit the Equalizer® GT, Excalibur, Magnum and Freedom tools.

Choose the traditional blades or the smoother, faster cutting serrated blades. The 8" blade is the most popular size.

TRADITIONAL BLADES			SERRATED BLADES		
STOCK NO.	**Description**	**UNIT PKG.**	**STOCK NO.**	**Description**	**UNIT PKG.**
201-1488	12" Blade	ONE BLADE	200-1312	12" Blade	ONE BLADE
201-1487	8" Blade	ONE BLADE	200-1308	8" Blade	ONE BLADE
201-1486	4" Blade	ONE BLADE	200-1304	4" Blade	ONE BLADE

Equalizer® Sheaths

Protects the Dash and Garnish Mouldings from Gouges and Scratches



201-1483

201-1482

201-1481

Equalizer® sheaths are essential in protecting the dash and garnish mouldings from damage. The three sheaths pictured above will fit any of the Equalizer® line of tools. To extend the life of both the blades and sheaths, clean them with solvent.

Sheaths are available in 4", 8", and 12" sizes.

STOCK NO.	Description	UNIT PKG.
201-1483	12" Sheath	ONE SHEATH
201-1482	8" Sheath	ONE SHEATH
201-1481	4" Sheath	ONE SHEATH

Equalizer® ninja® Blades

STOCK NO.	Description	UNIT PKG.
200-0840	3/4" Blade	ONE BLADE
200-0841	1" Blade	ONE BLADE
200-0842	1-1/2" Blade	ONE BLADE



Auto Glass Removal Tools



Express® Cordless
120 Volt - 1/2 Horsepower

Each kit includes battery, charger, one blade and case.

STOCK NO.	Description	Charger	UNIT PKG.
200-1000	Express	120V	ONE KIT
230-1171	Express	12V	ONE KIT
	ACCESSORIES		
200-0140	3-1/2" Wide Blade		ONE
200-1401	1-1/2" Wide Blade		ONE
200-1300	Battery		ONE
200-1200	Charger	120V	ONE
200-1100	Charger	12V	ONE

Excalibur®
Air Powered - 1/2 Horsepower

The Excalibur® operates at 0 to 3,200 strokes per minute with the .020 reciprocating blade. Being an air tool, the Excalibur® weighs less than electric tools.
STANDARD KIT: Contains one 8" sheath and blade.
DELUXE KIT: Contains case, one 4", 8", and 12" sheath, two 4", 8", and 12" blades, and safety eyewear.

STOCK NO.	Description	UNIT PKG.
201-1494	Standard Kit	ONE KIT
201-1495	Deluxe Kit	ONE KIT





Equalizer® ninja®
Air Powered Cold Knife

The Ninja® tool has the look and the feel of a cold knife but cuts at 22,000 strokes per minute. Ninja blades only fit Ninja tools. (See next page for blades).
Deluxe Kit: Contains case, two 3/4" blades, three 1"blades, and two 1-1/2" blades.

STOCK NO.	Description	UNIT PKG.
200-0147	Tool with 1" Blade	ONE
200-0148	Deluxe Kit	ONE KIT

Auto Glass Removal Tools

BTB Classic Auto Glass Removal Kit - 7 Blade

For the Auto Glass Specialist



This kit was designed with auto glass removal in mind and contains a broad range of blades offering the versatility to easily remove modern vehicle glass. It includes an assortment of standard and serrated blades, along with some powered cold knife blades. The vinyl tool roll has provision to hold extra blades if required.

Kit Includes: heavy duty air tool, 7 blades - WK2-S, WK3, WK6-15mm, WK24Z-S, WK24ZR-S, WK27S, and WK28M, controller arms - WK11B, WK11E, WK25C1, accessories - WK7, WK8, WK9, WK-KEY, WK11VEL, WK12, WK20, training video and vinyl tool roll.

STOCK NO.	Description	UNIT PKG.
201-1701	7 Blade Kit	ONE KIT

BTB Craftsman 9 Blade Kit

For Auto Body and Dismantler Shops



Due to it's unique blade combination, the craftsman kit is suitable for removing both glass and body moulds and therefore is directed towards body shops and auto dismantlers alike. It includes an assortment of standard and serrated blade styles. The vinyl tool roll provides the ability to expand the kit by holding additional blades.

Kit Includes: heavy duty air tool, 9 blades - WK1, WK3, WK4R-S, WK4Z, WK6-15mm, WK24Z-S, WK24ZR-S, WK27S, and WK28M, controller arms - WK11B, WK11E, WK25C1, accessories - WK7, WK8, WK9, WK-KEY, WK11VEL, WK12, WK20, training video and vinyl tool roll.

STOCK NO.	Description	UNIT PKG.
201-1720	9 Blade Kit	ONE KIT

BTB Bus, Truck and Rail Kit - 9 Blade



Designed for the bus, truck and rail industry, this kit currently contains the appropriate blades to perform glass and panel removal functions on today's fleets. It is anticipated that this kit will evolve as technology and design changes are progressively introduced with new transportation vehicles.

Kit Includes: heavy duty air tool, 9 blades - WK1-S, WK2, WK2-S, WK4Z, WK4Z-S, WK5-S, WK17, WK27S, and WK28M, controller arm - WK11B, accessories - WK7, WK7L, WK8, WK9, WK-KEY, WK11VEL, WK12, WK20, training video and vinyl tool roll.

STOCK NO.	Description	UNIT PKG.
201-1721	9 Blade Kit	ONE KIT

BTB Pro Kit - 25 Blade



The true professional kit, which includes all blades and accessories currently used by those in the automotive repair industry. Clearly a cut above the rest, there is no task that can't be catered to by the professional. Larger businesses will always have the quickest, most effective removal method available to them.

Kit Includes: heavy duty air tool, 25 blades - WK1, WK2-S, WK3, WK4-S, WK4R-S, WK4Z-S, WK4ZR-S, WK5-S, WK6-15mm, WK13, WK14, WK15, WK16SL, WK16SR, WL16LL, WK16LR, WK17, WK24Z, WK24ZR-S, WK24, WK24R-S, WK27S, WK28M, WK27RM, and WK28RS, controller arms - WK11A, WK11B, WK11C, WK11D, WK11E, WK11F, WK25C1, WK25C2, WK25C5, WK25C6, accessories - WK7 x 2, WK7L, WK8, WK9, WK9B, WK-KEY, WK11VEL, WK12, WK20, training video and plastic case.

STOCK NO.	Description	UNIT PKG.
201-1764	25 Blade Kit	ONE KIT

Auto Glass Removal Tools

BTB Auto Glass Removal Blades



Regular



Serrated

BLADES FOR GENERAL USAGE

STOCK NO.	Mfr. No.	Description	UNIT PKG.
201-1730	WK-1	Regular, 300mm flat blade, reach below dash, body mouldings, emblems	ONE BLADE
201-1704	WK-1S	Serrated version of WK-1 blade	ONE BLADE
201-1716	WK-2	Regular, 240mm flat blade, below dash, long reach	ONE BLADE
201-1705	WK-2S	Serrated version of WK-2	ONE BLADE
201-1706	WK-3S	Serrated, 200mm bent blade, used along top & sides of glass, body mouldings and emblems	ONE BLADE
201-1740	WK4Z-S	Serrated blade, 140mm "Z" blade, used along top & sides of glass, body mouldings, and emblems	ONE BLADE
201-1708	WK-5S	Serrated, 130mm trim blade, used for removal of adhesive from body moulding	ONE BLADE
201-1709	WK-6-15	15mm pinchweld scraper, 125mm	ONE BLADE

BLADES FOR CURVED GLASS

STOCK NO.	Mfr. No.	Description	UNIT PKG.
201-1717	WK-4	Regular, 190mm bent blade, use on curved glass such as hatches	ONE BLADE
201-1707	WK-4S	Serrated version of WK-4 blade	ONE BLADE
201-1741	WK24Z-S	Serrated, 150mm "Z" blade, curved glass and small glasses	ONE BLADE
201-1712	WK-24S	Serrated, 240mm bent blade, long reach to follow contours of glass	ONE BLADE

BLADES FOR ENCAPSULATED GLASS

STOCK NO.	Mfr. No.	Description	UNIT PKG.
201-1704	WK-1S	Serrated, 300mm flat blade, radius side down (toward glass)	ONE BLADE
201-1705	WK-2S	Serrated, 240mm flat blade, radius side down (toward glass)	ONE BLADE
201-1744	WK4ZR-S	Serrated, 140mm "Z" blade reverse top and sides of glass	ONE BLADE

BLADES FOR CURVED ENCAPSULATED GLASS

STOCK NO.	Mfr. No.	Description	UNIT PKG.
201-1745	WK4R-S	Serrated, 190mm bent blade, curved glass such as hatches	ONE BLADE
201-1746	WK24ZR-S	Serrated, 150mm "Z" blade, reverse curved glass and small glasses	ONE BLADE
201-1747	WK24R	Serrated, 240mm bent blade reverse long reach to follow contours of glass	ONE BLADE

BLADES FOR POWERED COLD KNIFE

STOCK NO.	Mfr. No.	Description	UNIT PKG.
201-1710	WK-27M	Regular, left handed, 25mm tip	ONE BLADE
201-1711	WK-28M	Regular, right handed, 25mm tip	ONE BLADE

MULTIPURPOSE "V" BLADES

STOCK NO.	Mfr. No.	Description	UNIT PKG.
201-1748	WK2V-S	Serrated, 240mm long blade, regular and encapsulated glass	ONE BLADE
201-1749	WK4ZV-S	Serrated, 140mm offset blade, regular and encapsulated glass	ONE BLADE
201-1753	WK24ZV-S	Serrated, 150mm offset blade, regular and encapsulated glass	ONE BLADE

Auto Glass Removal Tools



THE *Extractor* PATENT PENDING

Windshield Removal Tools

Extractor tools offer low maintenance windshield removal. Technicians are able to remove the windshield while not breaking the glass up to 95% of the time. Each blade will remove up to 200 windshields. Removal time is improved two to three times . . . or more!

Windshield removal can be done in less than four minutes. Fast, one hour battery charging. Technicians appreciate that the tool vibrates less than other windshield power tools. The tools have a variable speed trigger and a safety lock-off button.

Cordless Extractor Tools

24V - DeWalt

Tool Can be Converted from Cordless to Electric With Converter





Kit includes: Cordless/corded 24V DeWalt tool, 24V battery, 120V battery charger, 2 blades, 1 shaft, case and training CD.

STOCK NO.	Description	UNIT PKG.
201-1617	Cordless/Corded 24V Tool	ONE KIT

24V CONVERTER

24V converter enables user to change tool from cordless to electric.

STOCK NO.	Description	UNIT PKG.
201-1616	24V Converter	ONE

18V - DeWalt



Kit includes: Cordless 18V DeWalt tool, 18V battery, 2 blades, 1 shaft, case and training CD.

STOCK NO.	Description	UNIT PKG.
201-1609	Cordless 18V Tool	ONE KIT

18V - Milwaukee



Kit includes: Cordless 18V Milwaukee tool, 18V battery, 2 blades, 1 shaft, case and training CD.

STOCK NO.	Description	UNIT PKG.
201-1608	Cordless 18V Tool	ONE KIT

Auto Glass Removal Tools

Electric Extractor Tool



110V - Milwaukee

Kit includes: Electric 110V Milwaukee tool, 2 blades, 1 shaft and training CD.

STOCK NO.	Description	UNIT PKG.
201-1610	Electric 110V Tool	ONE KIT

Pneumatic Extractor Tools



Kit includes: Tool with 4 blades, 2 shafts and case.

STOCK NO.	Description	UNIT PKG.
201-1600	Pneumatic Tool	ONE KIT



Kit includes: Tool with 2 blades, long shaft and case.

STOCK NO.	Description	UNIT PKG.
201-1601	Pneumatic Tool	ONE KIT



Kit includes: Tool with 2 blades, short shaft and case.

STOCK NO.	Description	UNIT PKG.
201-1602	Pneumatic Tool	ONE KIT

Extractor Blades

Regular 4" Wide Blade

STOCK NO.	Blade	UNIT PKG.
201-1607	Regular	ONE BLADE



BEST SELLER

Long 4" Wide Blade

STOCK NO.	Blade	UNIT PKG.
201-1603	Long	ONE BLADE



Extra-Long 4" Wide Blade

STOCK NO.	Blade	UNIT PKG.
201-1611	Extra-Long	ONE BLADE



Narrow 2" Wide Blade

STOCK NO.	Blade	UNIT PKG.
201-1606	Narrow	ONE BLADE



Extractor Shafts

STOCK NO.	Description	UNIT PKG.
201-1604	Long Shaft	ONE
201-1605	Short Shaft	ONE

Extractor Batteries and Chargers

STOCK NO.	Description	UNIT PKG.
201-1614	DeWalt 24V Battery	ONE
201-1612	DeWalt 18V Battery	ONE
201-1615	DeWalt 18V Mobile Charger	ONE
200-2200	Milwaukee 18V Battery	ONE
200-0245	Milwaukee 18V Battery Charger	ONE

Auto Glass Removal Tools

Heavy Duty Pneumatic Windshield Cut-Out Knife

Oscillating Blade Movement

Designed for Use on Encapsulated Glass



The SOMACA knife is a lightweight air-operated tool that delivers up to 20,000 oscillations per minute, and when used with Fein cut-out blades, cuts through hardened urethane with ease. The tool operates between 75 psi minimum and 90 psi maximum, therefore, a regulated air supply is essential. An air supply or compressor that delivers 6.3 cfm and 90 psi, with a 20 gallon tank, is required for peak performance. The tools compact design makes it easy to operate in close quarters. The hex blade mounting collar allows for variable positioning of the blades. Tool has exhaust hose to keep exhaust air out of user's face.

STOCK NO.	Description	Weight	UNIT PKG.
201-1210	Pneumatic Knife	2 lbs.	ONE

"SWIV-L" Action Cut-Out Knife

Hot Blade Knife for Cutting Butyl Sealants

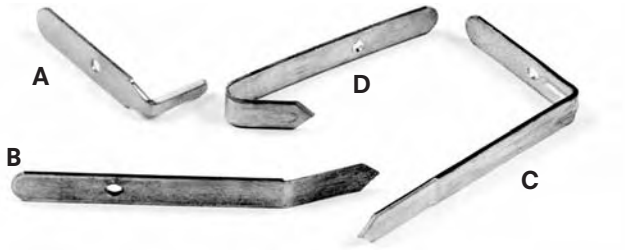


Develops 850˚F Heat

A heavy duty cut-out knife with a super hot, intensely strong cutting blade. Use approved respirator that provides protection against toxic smoke. Operates on 110 volt current, uses 250 watts, developing a temperature range of up to 850˚F. **Caution:** Since intense heat develops at the tip, use tool with extreme care and only on dry surfaces.

STOCK NO.	Description	UNIT PKG.
201-1250	Windshield Knife	ONE
201-1149	Replacement Blade	ONE
201-1251	Replacement Handle	ONE

"SWIV-L" Action Standard Blades



STOCK NO.	Description	UNIT PKG.
A 201-1149	All Purpose Blade	ONE
B 201-1150	Inside Car Cut-Out Blade	ONE
C 201-1152	Reach Blade	ONE
D 201-1153	"J" Blade	ONE

Air Tool Accessories



STOCK NO.	Description	UNIT PKG.
201-1296	Leader Air Hose 1/4" with Male Ends 1/2" OD	6' ROLL
200-1117	Air Hose 1/4" with 1/4" NPT Fittings	25' ROLL
200-1118	Air Hose 1/4" with 1/4" NPT Fittings	50' ROLL
201-2325	Air Hose Coiled 1/4" with 1/4" NPT Fittings	25' ROLL
200-1119	Air Inflator with Gauge	ONE

STOCK NO.	Description	UNIT PKG.
200-1063	Blow Gun	ONE
201-0025	Air Tool Moisture Filter Trap	ONE
200-1121	Air Tool Oil	1 PINT
200-1120	Oiler, In-Line with 1/4" Male and Female NPT Fittings	ONE
200-1116	Hose Reel with Bracket 20' Capacity	ONE
200-0731	Air Hose Swivel	ONE

Auto Glass Removal Tools

Equalizer® Pneumatic Cold Knives
20,000 Oscillations per Minute





The Heavy Duty model has heavy duty dual bearings, a larger motor, safety throttle and an 18" muffler.
Both tools consume 4 cfm. Do not exceed 90 psi.

STOCK NO.	Description	UNIT PKG.
200-0519	Heavy Duty Tool with 1 Blade	ONE
201-1517	Regular Duty Tool with 1 Blade	ONE

Equalizer® Swing-Out Window Pin Pliers



Removes the pin from "swing-out" windows without breaking the latch. Jaws have five adjustable settings to fit any window. Remove pins by opening jaws enough so the pin is pushed through the hole in the top of the pliers. To re-install, turn pliers upside down and reverse the process.

STOCK NO.	Description	UNIT PKG.
200-0305	Window Pin Pliers	ONE

Time Saver Cut-Out Blades



STOCK NO.	Length	UNIT PKG.
200-6605	5-1/2"	ONE
200-6608	8-1/2"	ONE
200-6610	10-1/2"	ONE

Equalizer® Top Notch™



Cuts a V-Notch in Urethane Tube Nozzles

STOCK NO.	Description	UNIT PKG.
200-0306	Top Notch "V" Notcher	ONE

Rearview Mirror Installer



- **Install spring loaded rearview mirrors with ease**

Just set the upper jaw against the rearview mirror, put the nylon block against the rearview mirror mounting bracket and squeeze the handles. The mirror is forced quickly and easily onto the mounting bracket with little or no chance of breaking the glass.

STOCK NO.	Description	UNIT PKG.
201-0309	Mirror Installer	ONE

Power Shears, Panel Saw and Blades



Kett Pneumatic Power Shear

Double action pneumatic power shear lets you easily cut 18 gauge and lighter sheet metal at up to 180" per minute. The 7/32" waste curl leaves both sides of the cut straight and clean with no distortion. No filing or deburring necessary.

STOCK NO.	Description	Mfr. No.	UNIT PKG.
213-5000	Pneumatic Shear	P-500	ONE

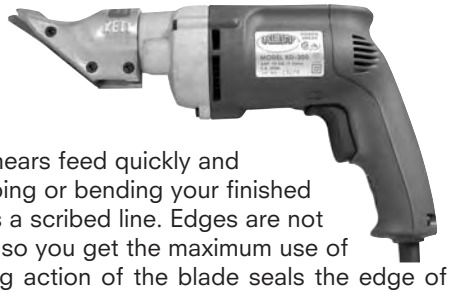
Kett Cordless Power Shear Kit



Kett's 14.4V cordless gives the freedom in the shop or mobile jobs. Its high torque 2300 SPM motor lets you easily cut 18 gauge up to 20 gauge stainless at over 150" per minute. Swivel head gives you precise control as you make straight or contour cuts. Kit includes Ni-Cd battery charger and handy case with room for a second battery.

STOCK NO.	Description	Mfr. No.	UNIT PKG.
240-4181	Cordless Shear Kit	KB-300	ONE KIT
240-4179	14.4V Replacement Battery	KB-302	ONE

Kett Electric Power Shear



These double cut shears feed quickly and quietly without warping or bending your finished piece. Easily follows a scribed line. Edges are not hardened or burred so you get the maximum use of a sheet. The swiping action of the blade seals the edge of coated metals. Kett Electric Power Shears cut sheet metal in straight or contour lines at 180" per minute, and plastic or formica up to 3/32"thick.

STOCK NO.	Description	Mfr. No.	UNIT PKG.
213-4500	Kett Power Shear	K-200	ONE

Kett Panel Cutting Saw



For cutting wood, plastic and heavier materials. Make plunge cuts accurately and safely with the D-handle and spring loaded retractable blade guard. Saw handles 16 gauge mild steel, 16 gauge aluminum to 3/16", and plastics to 1/2". Cuts are smooth and straight so edges don't need finishing.

STOCK NO.	Description	Mfr. No.	UNIT PKG.
240-4512	Kett Plunge Saw	KS-23AM	ONE

Kett Accessories

PANEL SAW

STOCK NO.	Description	Mfr. No.	UNIT PKG.
240-4177	Plastic Cutting Unit with 2 Blades & Wrenches	KS-24	ONE
240-4176	Kit Connecting Sleeve	267-45	ONE

Kett Small Circular Saw Blades



Made of the finest high-speed steel, hardened for cutting mild steel, plastics, aluminum, fiberglass and other sheet material. 1/32" thick blade. Staggered set tooth cuts approx. 3/64" kerf or slot.

STOCK NO.	Dia.	Teeth	TPI	Mfr. No./Code	UNIT PKG.
240-4522	2"	22	3.5	157-52 L	ONE
240-4544	2"	44	7.0	57-54 DHJKL	ONE
240-4680	2-1/2"	60	10.2	157-68 AFHJK	ONE

CIRCULAR SAW BLADE CODE

A: Mild Steel 14-15 Gauge
D: Hard Aluminum
F: Brass
H: Fiberglass
J: Metal Laminated Wall Panels
K: Plastics, Plexiglass, Formica
L: Plywood, Hardboard, Pressed Board

Kett Plastic Cutting Blades



Specifically designed to cut plastics cleanly. The equal rake cutting blades cut a smooth edge without chipping. These blades are ideal for all plastics from PVC to acrylic.

STOCK NO.	Dia.	Teeth	TPI	Mfr. No.	UNIT PKG.
240-4681	2"	80	9.5	157-56Z	ONE
240-4682	2-1/2"	80	10.2	157-68Z	ONE

SHEARS

STOCK NO.	Description	Mfr. No.	UNIT PKG.
213-4517	Center Blade for K-200, P-500, P-1060 18 Ga. Shear	60-21	ONE
213-4518	Side Knife Blade Left	60-22L	ONE
213-4516	Side Knife Blade Right	60-22R	ONE
213-4520	Metal Carrying Case	251-4	ONE
240-4179	14.4V Ni-Cd Battery	KB-302	ONE
240-4178	One Hour Charger	KB-303	ONE

Air Compressor and Power Inverter

Compact Gas Air Compressor

Direct Drive Unit

FEATURES:
- Heavy duty, single stage unit
- Splash lubrication
- Metal filter with silencer

ENGINE:
- Honda 4 HP cast iron cylinder sleeve
- Electronic ignition - on/off switch
- Dual element air cleaner
- Low oil control



STANDARD EQUIPMENT:
- Unique synchro-balance coupling
- Automatic pilot valve operation
- Air line regulator and pressure gauge
- Automatic engine throttle for economy and long life
- Pressure gauge 0-200 psi in 5 lb. graduations
- Safety relief valve and quick disconnect with plug

SPECIFICATIONS:

Horse Power	4
Tank Capacity	4.5 gallons
CFM Free Air	
@ 40 psi	5.1
@ 100 psi	4.4
@ 125 psi	4.0
Dimensions	22 L x 17 W x 17 H
Weight	69 lbs.

STOCK NO.	Description	Model	UNIT PKG.
200-1168	Gas Compressor	GD4000PV5H	ONE

Accessories

Automatic Air Tool Oiler

Just fill the automatic air tool oiler with oil and place it permanently in your air tool line. It automatically puts a fine mist of oil into your tool while it is running.



STOCK NO.	Description	UNIT PKG.
200-1120	Air Tool Oiler	ONE OILER

Air Blow Gun

The gun attaches to an air hose and enables the user to clean off a work area faster than sweeping.



STOCK NO.	Description	UNIT PKG.
200-1063	Air Blow Gun	ONE GUN

STOCK NO.	Description	Diameter	UNIT PKG.
201-2352	50' Rubber Hose	3/8"	ONE HOSE

STOCK NO.	Description	Size	UNIT PKG.
201-2201	Air Tool Oil	Pint	ONE BOTTLE

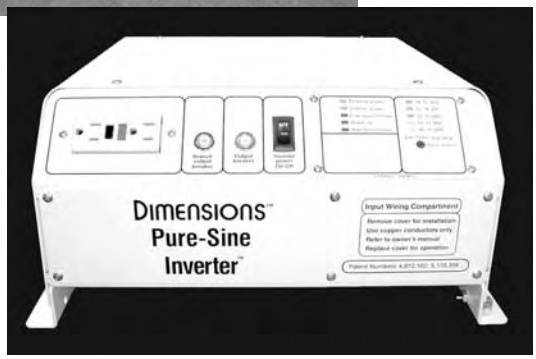
AC Power Inverter

The Cost Effective Way to Provide AC Power to Your Service Vehicles



1000 Watt

1500 Watt



Strong, Reliable, Quiet AC Power - Over 100,000 Sold

BOTH MODELS FEATURE:
- 0° to 104° operating range, efficiency to 88%
- Pure sinewave >5% THD
- 60 Hz +/- .05 frequency
- Automatic electronic short circuit overload protection
- Automatic over-temperature shutdown
- Output circuit breaker
- Automatic low battery shutdown at 10.5 VDC
- Thermally controlled cooling fan
- Remote on/off switch hook-up, GFCI outlet protection
- UL listed for land vehicle use

MODEL	1000 WATT	1500 WATT
Output	Continuous	Continuous
Output amps	8.3	12.5
Peak watts	2500	4000
Input current	>100 amps	>150 amps
Dimensions	15 L x 8.2 W x 7.5 H	15.5 L x 16 W x 7.5 H
Weight	29 lbs.	42 lbs.
Output voltage	110-127 VAC	110-127 VAC

STOCK NO.	Description	UNIT PKG.
202-1000	1000 Watt Unit	ONE
202-1500	1500 Watt Unit	ONE
202-1097	Hook-Up Cables	ONE SET

Auto Glass Vacuum Cups

Aegis® Auto Glass Handler Kits

Enables One Man to Set Large Car, Van and Truck Windshields

FEATURES:
• Vacuum cups with handle grips allow greater control during setting, reduce risk of back strain
• Red-Line Warning System signals vacuum pressure loss • Instruction video with step-by-step user instructions



Installers can easily apply urethane directly on the glass - just like the factory!



Kits Include: (2 or 3) vacuum cups, instruction video, elbow pad, and plastic case.

STOCK NO.	Description	Application	UNIT PKG.
200-1960	(2) Cup Kit	Large Car and Van Windshields	ONE KIT
200-1961	(3) Cup Kit	Semi's and Truck Windshields	ONE KIT

Windshield Vacuum Cup and Moulding Clamp

240-3886
POWR-Grip
Vacuum Cup



201-1059
Moulding Clamp Unit



This moulding clamp assembly holds windshield moulding in place while the urethane is beginning to cure after a replacement windshield has been installed. Position the POWR-Grip 6" dia. vacuum cup on the windshield, pump until secure, and place the swing arm in position over the metal rim. Twist swing arm handle and slowly apply screw pressure. Remove clamp assembly when the urethane starts to set.

STOCK NO.	Description	UNIT PKG.
240-3886	POWR-Grip Vacuum Cup (Only)	ONE CUP
201-1059	Moulding Clamp & Vacuum Cup	ONE UNIT
201-1060	Moulding Clamp (Only)	ONE CLAMP

Handi-Grip Vacuum Cup

Ideal for Grasping . . .
- **Automotive Side Lites**
- **Narrow Windows**
- **4" Mirror Strips**
- **Shower Doors and Panels**



Wood's Handi-Grip cups are designed for narrow or small lites. The oval shape design is powerful enough to safely lift narrow cuts that are often difficult to grasp. Made of low marking rubber.

STOCK NO.	Cup Diameter	UNIT PKG.
240-3891	3" Wide x 6" Long Oval	ONE CUP

Extra Finger Tool



Holds Glue-In Windshield Mouldings in Place

Many new cars have a filler strip that must be securely held at the corners while the windshield sealant is setting. This is where the finger tool comes in handy. Double vacuum cups secure it to the windshield with the threaded "finger" over the filler strip. Tighten the finger, secure filler strip, and move on to another job.

STOCK NO.	Description	UNIT PKG.
201-1069	Moulding Hold Tool	ONE TOOL

6" EZE-Plunger Vacuum Cup

For Installing Windshields & Backlites



This flex rubber cup fits the contour of the glass and "holds fast" while you maneuver the windshield or backlite into position. Two cups are required for most installations. A handy rubber plunger-style cup for use on flat and curved automotive glass.

STOCK NO.	Inner Cup	Outer Cup	UNIT PKG.
240-3555	3-1/4"	6" dia.	ONE CUP

Auto Glass Tools

3M Clean 'n Strip Disc and Disc Holder

Clean and Strip Pinchwelds Quickly & Easily



200-7501

- **3-Dimensional abrasive web design conforms to work area, lasts longer and will not rust**
- **Safer than wire bristle tools**
- **Maximum operating speed: 8000 rpm**

The Clean 'n Strip disc aggressively removes paint and rust from seams, door jambs, drip mouldings, pinchwelds and other hard to reach places. Use the Disc Holder, 200-7501, with the Clean 'n Strip disc. Discs attach with a simple twist. The 1/4" shank fits all drills.

STOCK NO.	Description	UNIT PKG.
200-7466	Clean 'n Strip Disc	ONE
200-7501	3M Disc Holder	ONE

POWR BOND Canopy

- **Rain and Sun Protection**
- **Huge 12' x 12' Base – 9' x 9' Canopy**
- **Protects Resin During Windshield Repairs**
- **Fast Set-up – No Tools – One Piece Canopy**



This canopy is usually furnished in red color, it adjusts to multiple heights, and folds down to 55.5" long inside the storage bag. Weighs 51 lbs. Vertical clearance is 7'1" when assembled.

STOCK NO.	Description	UNIT PKG.
200-0695	Canopy	ONE

Equalizer The Auto Glass Setting Stick™

Set Windshield and Back Glass by Yourself!



A. Set the glass on the peg at the bottom of the Auto Glass Setting Stick. Set passenger side of the windshield.

B. After setting one side, walk to the other side, lift the windshield up slightly and slide the stick out of the way.

C. After setting the stick out of the way, you are ready to place the glass in position.

The Auto Glass Setting Stick sets over the windshield wiper post on the bottom, or it has a non-skid pad that can be placed against the body when setting back glasses. This is also useful when the wiper post is not in the right location. The top is held above the car with a non-skid rubber pad.

STOCK NO.	Description	UNIT PKG.
201-1512	Auto Glass Setting Stick	ONE

Fire Extinguisher



Mobile Van Size

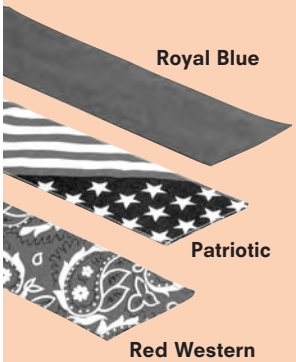
- **2-1/2 lb.**
- **Mounting Bracket**

Shop Size

- **10 lb.**
- **Mounting Bracket**

Rated ABC. Use for fighting all types of fires: wood/paper, gasoline/oil, and electrical. UL listed. Local fire ordinance may require recharge or replacement annually.

STOCK NO.	Description	UNIT PKG.
240-0417	Fire Extinguisher - Mobile Size	ONE
240-0418	Fire Extinguisher - Shop Size	ONE





Evaporative Cooling Bandanas/Headbands

Evaporative cooling bandanas/headbands and hard hat inserts provide cool comfort for 24 to 48 hours when activated in cold water for 15 minutes. Ideal for all warm work and leisure activities. Chill-Its™ Body Technologies help workers stay cool, fight fatigue and increase productivity. One size fits all.

STOCK NO.	Description	Color	Closure Style	UNIT PKG.
240-4000	Bandana/Headband	Royal Blue	Hook/Loop	ONE
240-4001	Bandana/Headband	Patriotic	Hook/Loop	ONE
240-4002	Bandana/Headband	Red Western	Hook/Loop	ONE
240-4003	Hard Hat Pad and Liner			ONE

Solar Guard™ Sunscreen Towels

• SPF 30+ • Water/Sweat Resistant • UVA/UVB Protection • Greaseless • PABA Free

SUN ALERT!
Limiting sun exposure, wearing protective clothing and using sunscreens may reduce the risks of skin aging, skin cancer and other harmful effects of the sun.

SOLAR GUARD combines a unique liquid sunscreen formula and an industrial strength towel that delivers sun protection for professionals who work outdoors. One SOLAR GUARD Sunscreen Towel provides enough coverage to protect the face, neck, arms and ears from sun damage.

SOLD EACH - 100 TOWELS PER CARTON

STOCK NO.	Description	UNIT PKG.
213-0420	Sunscreen Towel	ONE



3M Respirators



• 2-Strap Industrial Model
• Disposable • Two Models Available

For protection against dust created when using dry abrasive or diamond belts use Stock No. 240-4160. Auto glass installers concerned about urethane vapors or abrasive belt dust should use Stock No. 240-4161. Contact the manufacturer at 1 (800) 243-4630 for proper use or other questions on the product. Follow instructions on box.

STOCK NO.	Protection	Contents	UNIT PKG.
240-4160	Glass/Diamond Dust	20	ONE BOX
240-4161	Dust/Vapors	20	ONE BOX

Dust and Mist Respirator



Offers Protection From Glass, Wood and Grain Dust

This dust and mist respirator offers respiratory protection from glass and wood dust. Molded rubber face piece conforms to tightly fit the face. Rubber headband is adjustable. Daily maintenance of respirator is mandatory, and it can be easily disassembled and cleaned. Filters are replaceable.

STOCK NO.	Description	UNIT PKG.
240-4170	Dust and Mist Respirator	ONE
240-4171	5 Replacement Filters	ONE BOX

Windshield Installation Accessories

Nitrile Disposable Gloves



A tough, powder free disposable glove. Protects technicians from harmful adhesive solvents and keeps glass free of hand's natural oils.

SOLD 100 PER BOX

STOCK NO.	Size	UNIT PKG.
240-4124	Medium, 7	ONE BOX
240-4125	X-Large, 9-10	ONE BOX
240-4126	XX-Large, 11+	ONE BOX



Lower Back Support Belts

Detachable Suspenders

These support belts protect and give support to your back when lifting, pulling or pushing. A Velcro fastening system provides a comfortable, secure fit. Belt is 6-1/4" wide with a 10" back rise. Suspenders are detachable and adjustable.

SOLD EACH. COLOR: NAVY

STOCK NO.	Size	UNIT PKG.
240-4241	Medium (36-40)	ONE
240-4242	Large (40-44)	ONE
240-4243	Extra Large (44-48)	ONE

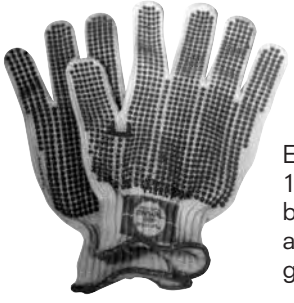
Anti-Vibration Gloves

A half finger glove made of full grain leather. The Viscolas® padding in the palm, thumb and index finger lessens vibrations. Elastic wrist wrap has a non-conductive pad.



UNIT PKG: ONE

STOCK NO.	Hand	Size
200-7920	Right	Extra Large
200-7921	Left	Extra Large



Cut Resistant Kevlar Glove

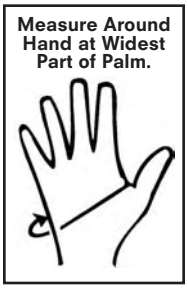
Excellent gripping power. Made of 100% DuPont Kevlar fiber, with 36 blue plastic dots across the palm and fingers on both sides of the glove. Knit wrist.

SOLD PER PAIR

STOCK NO.	Description	UNIT PKG.
240-0016	Kevlar Gloves	ONE PAIR

Ergonomic Wrist Supports

Protection Against Carpal Tunnel Syndrome While Gunning!





Protect yourself and your employees from damaging repetitive wrist, tendon, hand and finger movements. This wrist support encourages and maintains a safe, neutral wrist position, decreasing flexion and extension stress. Made of black, Ultrilure® vinyl.

STOCK NO.	Size	UNIT PKG.
240-0150	Small: less than 8"	EACH
240-0152	Medium: 8" - 9"	EACH
240-0154	Large: 9" - 10"	EACH
240-0156	X-Large: 10" - 11"	EACH

GEL Auto Glass Glove

Power Tool Protection with Gel Padded Palm Sections



GEL Auto Glass Gloves' "Split Finger" design helps reduce the chance of Carpal Tunnel and "HAVS" Syndrome. Gloves aren't stiff and allow you the dexterity to do small intricate work, even picking up coins. Cut resistant and not slippery when wet. The back and fingers are vented to keep your hands cool. Wearing these gloves also helps prevent contamination of glass edges when carrying windshields.

SOLD PER PAIR

STOCK NO.	Size	UNIT PKG.
240-4182	Small	ONE PAIR
240-4183	Medium	ONE PAIR
240-4184	Large	ONE PAIR
240-4185	X-Large	ONE PAIR
240-4186	XX-Large	ONE PAIR

Safety Eyewear

Designer Safety Eyewear

Black Frame



- Sleek Frame and Lens for Style and Safety
- Adjustable Nosepiece for Added Comfort
- 4 Point Adjustable Temples
  Adjusts Straight or Curved
- Scratch Resistant Lens
- Meets ANSI Z87.1 and CSA Z94.3 Spec.

STOCK NO.	Description	Lens Color	UNIT PKG.
240-4437	Eyewear	Clear	ONE PAIR
240-4438	Eyewear	Smoke	ONE PAIR
240-4439	Indoor/Outdoor	Mirrored	ONE PAIR

Safety Eyewear

Contemporary Styling - Black Frame



- Single Lens Style
- Lightweight Frame
- Sleek Wrap-Around Lens
- Adjustable Temples
- Meets ANSI Z87.1 Spec.



STOCK NO.	Description	Lens Color	UNIT PKG.
240-4401	Eyewear	Clear	ONE PAIR
240-4402	Eyewear	Smoke	ONE PAIR
240-4403	Indoor/Outdoor	Mirrored	ONE PAIR

Patriot Safety Eyewear

Red, White & Blue Frame



- Single Lens Style with Molded Nosepiece and Brow Guard
- Integrated Side Shields for a Comfortable Fit
- Lightweight Frame with Adjustable Temples
- Hard Coated Lens for Scratch Resistance
- Meets ANSI Z87.1 Spec.

STOCK NO.	Description	Lens Color	UNIT PKG.
240-4443	Eyewear	Clear	ONE PAIR
240-4444	Eyewear	Smoke	ONE PAIR

Safety Goggles

Chemical Splash Protection



- Indirect Ventilation
- Chemical Splash Protection
- Soft Pliable Frame for Comfortable Fit
- Meets ANSI Z87.1 and CSA Z94.3 Performance Criteria

STOCK NO.	Description	Lens Color	UNIT PKG.
240-4447	Goggles	Clear	ONE PAIR

Visitors Specs

Low Cost Wrap-Around Protection



- One Piece Polycarbonate Lens
- Hard Coated Lens for Scratch Resistance
- Soft Pliable Frame Fits Over Most Glasses
- Meets ANSI Z87.1 Spec., CE Approved

STOCK NO.	Description	Lens Color	UNIT PKG.
240-4400	Eyewear	Clear	ONE PAIR

First Aid Kits and Bandages

First Aid Kits
10 and 25 Person Kits





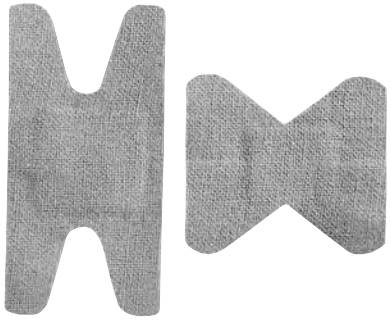
Kits feature weatherproof steel cases with wall brackets and carrying handles. Meet ANST Z308.1-1998.

Kit Contents:

Description	10 Kit	25 Kit
Adhesive Strips, 1" x 3"	16	50
Gauze Pads	Four 3"	Five 4"
Large Wound Dressing	1	1
Triangular Bandage	1	1
Gauze Bandages, 4"	1	1
Adhesive Tape, 1/2"	1	1
Eye Flush, 1 oz.	1	1
Eye Pads	2	2
Antiseptic Wipes	30	30
First Aid Cream Packets	6	6
Cold Pack	***	1
Aspirin Tablets	***	10
Latex Exam Gloves - pair	***	2
Scissors	1	1
Forceps	1	1
First Aid Instructions	1	1

STOCK NO.	Kit	Size (l x w x deep)	UNIT PKG.
240-4204	10 Person	8" x 5" x 2-5/8"	ONE
240-4210	25 Person	9-1/2" x 6-3/4" x 2-1/2"	ONE

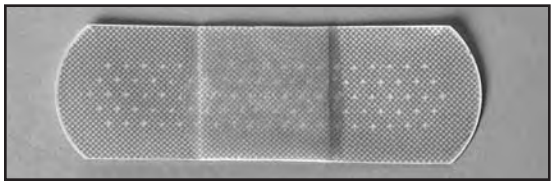
Knuckle & Fingertip Bandages
Industrial Bulk Pack



Anatomically appropriate bandages help protect wound sites without awkward "crimping" or need for multiple bandages. A unique adhesive keeps bandages in place over puncture or around flexing joints until removed. Soft, thick, unitized pad absorbs, cushions and protects. On removal, the non-adherent surface helps prevent reopening of the wound. Breathable fabric is designed to reduce moisture buildup.

STOCK NO.	Description	Quantity	UNIT PKG.
240-4232	Knuckle	100	ONE BOX
240-4230	Finger Tip	100	ONE BOX

Adhesive Plastic Strips
Industrial Bulk Pack



Plastic adhesive strips are sterile, highly adhesive, ready to use dressings for minor cuts, abrasions, and puncture wounds. Features air vented, vinyl film backing and a non-stick cushion pad that provides protection and high absorbency.

STOCK NO.	Size	Quantity	UNIT PKG.
240-4244	1" x 3"	100	ONE BOX
240-4234	3/4" x 3"	100	ONE BOX

Basic Kit Refill Pack



This refill pack contains the same items as the 25 person kit, less the scissors and forceps.

STOCK NO.	Description	UNIT PKG.
240-4203	Standard Refill Pack	ONE PACK

Glass Cleaning Towels

Glass Cleaning Towels

For Stores, Homes, Shops, Offices, Hotels, Restaurants, and Sport Complexes



Two Slide Out Dispenser Boxes Included

These highly absorbent and tough towels are the most versatile wiping product available to the glass industry. They are soft but strong and can safely clean everything from camera lenses to storm windows to furniture. They are packaged 500 towels per case, with 2 self-dispensing cardboard counter units enclosed. These quality paper towels are lint-free and combine softness, strength and absorbency to successfully fulfill all glass cleaning requirements. Hand wipes are also widely used in the cleaning of ceramic tiles, plastic panels, counters and general surface cleaning.

STOCK NO.	Sheet Size	Case Contents	UNIT PKG.
213-1300	13-1/2" x 17-5/8"	500 Sheets	ONE CASE

Somaca Glass Cleaning Towels



15 Boxes with 125 Towels - 2-Ply

Ideal for cleaning glass, this tough towel's two-ply construction provides superior strength and fast absorption at an economical cost per wipe. Contains 15 boxes per case, with 125 light duty wipes per box - 10-1/4" x 12" size sheets.

STOCK NO.	Sheet Size	Case Contents	UNIT PKG.
213-0003	10-1/4" x 12"	15 Boxes	ONE CASE

M-Tork Plus Glass Wipers



These economical, lint-free towels are made of 100% absorbent cellulose. Tork towels are non-streaking and scratch free.

STOCK NO.	Description	UNIT PKG.
200-1231	Tork Towels	ONE ROLL

STOCK NO.	Description	UNIT PKG.
200-2071	Tork Towel Dispenser	ONE DISPENSER

Somaca Kleen Wipes Glass Cleaning Towels

3-Ply

Lint-Free Super Absorbency, Incredibly Soft Texture



15 "Pop-Up" Boxes with 70 Towels

Somaca Kleen Wipes light duty disposable towels are perfect for any cleaning requirement, either at the glass shop, factory, corporate office, retail store, marina, farm or home. They are lint-free, amazingly soft, non-abrasive and pliable, yet strong and extremely absorbent. These triple-ply, shred resistant towels are ideal for delicate surfaces. Wipes are sold by the case (1050 towels). Each case contains 15 individual "pop-up" boxes of 70 towels each.

STOCK NO.	Sheet Size	Case Contents	UNIT PKG.
213-1314	15" x 16-3/4"	15 Boxes	ONE CASE

Glass Cleaners

Hi-Sheen Pre-Mix Glass Cleaner

A Professional Cleaner for Glass, Acrylics and Tile

Somaca Hi-Sheen Pre-Mix is an economical way to clean glass, porcelain, crystal, tile and fiberglass. It has a pleasant "spring fresh" scent and does not streak, leaving glass sparkling. Hi-Sheen is anti-static, and repels dust, dirt, stains and film. A high concentration of special cleansing ingredients make it ideal for the toughest glass cleaning jobs.
The gallon refill formula has been tested for compatibility with auto glass adhesives like POWR BOND and Sika products.

STOCK NO.	Description	UNIT PKG.
337-1085	Quart of Cleaner in Plastic Sprayer	ONE SPRAYER
337-1086	Gallon Refill	ONE JUG



POWR BOND™ Auto Glass Cleaner



Does Not Contain Ammonia, Alcohol or Silicone



Somaca POWR BOND Auto Glass Cleaner is part of the POWR BOND system, specially formulated for the auto glass industry to be compatible with all urethane systems. Many other glass cleaners may contain chemicals that will not allow urethane to bond to the glass. Its powerful formulation cuts through grime, grease and residues, leaving the glass clean, with a streak-free shine.

SOLD PER CASE OF 12 CANS

STOCK NO.	Size	Contents	Weight	UNIT PKG.
121-1100	19 oz.	12	18.5 lbs.	ONE CARTON

SprayMaster® Trigger Sprayer



The SprayMaster tank is made of chemically resistant polypropylene and has a highly visible measuring scale on one side. An oversized trigger gives powerful pumping action. The spray valve is adjustable to provide any mist density desired.

STOCK NO.	Size	UNIT PKG.
337-1032	32 oz.	ONE DISPENSER

Hand Cleaners

"Citrus" Hand Cleaner

Formulated to Remove Urethane Sealants!



10 oz. Bottle
337-9024



24 oz. Tube
Hang for Best Results
337-9023



337-9026
4-1/2 lb. Pail
Shown with
Pump Dispenser
337-9039

Somaca's Citrus cleaner removes the toughest residue from hands, including urethane. Contains real citrus extracts for pleasing scent. Pumice and other natural ingredients added for a gentle but powerful cleaning effect that leaves hands clean and soft. Also removes caulks, grease, oil, tar, paint and glue. Easily wipes or washes off and won't clog plumbing. This product is completely organic and water soluble.

STOCK NO.	Description	Size	UNIT PKG.
337-9024	Hand Cleaner - Bottle	10 oz.	ONE BOTTLE
337-9023	Hand Cleaner - Tube	24 oz.	ONE TUBE
337-9026	Hand Cleaner - Pail	4-1/2 lb.	ONE PAIL
337-9039	Pump Hand Dispenser		ONE

Scrubs™ In-A-Bucket

Waterless Hand Cleaner Towels

Clean auto glass urethane off your hands!



When your hands are really soiled, and there isn't any soap - there isn't any water - reach for Scrubs In-A-Bucket. This unique, waterless hand cleaning system has a citrus scent. You won't even need a towel because your hands will air dry.

SOLD PER BUCKET - 6 BUCKETS PER CARTON

STOCK NO.	Towel Size	Quantity	UNIT PKG.
213-0422	10-1/2" x 12-1/4"	72 Towels	ONE BUCKET



Cupran Special Hand Cleaner

For Removing Urethane & Paints



STOCK NO.	Description	Size	UNIT PKG.
337-9053	Hand Cleaner - Tube	8.45 fl. oz.	ONE TUBE
337-1873	Hand Cleaner - Bottle	67 fl. oz.	ONE
337-1875	Dispenser for Bottle		ONE

Travabon Special

Protective Skin Cream

Travabon protects hands against a range of substances, including solvents, grease, oils, glues and adhesives.



STOCK NO.	Description	Size	UNIT PKG.
337-9054	Travabon Cream	3.38 fl. oz.	ONE TUBE

Automotive/General Purpose Aerosols



Sommer & Maca carries a wide line of aerosol products. Some of our most popular are . . .

Alum-a-Lub . . . "All Purpose" metal lubricant, cleaner and protector. Cleans and protects in one operation. **Stock No. 120-1345. 9.4 oz. Stock No. 120-1350. 15 oz. Sold Each.**

Somaca Silicone Spray Lubricant . . . eliminates squeaks, reduces friction, and prevents rust and corrosion.
Stock No. 337-3103. 12 oz. Sold Each.

Penetrating Oil . . . conveniently frees hard-to-reach parts "frozen" by corrosion or rust.
Stock No. 120-1346. 12.5 oz. Sold Each.

Somaca Metal Lube . . . cleans as it lubricates. Adds years of life wherever applied.
Stock No. 120-1200. 11 oz. Sold Each.

Somaca Grease Lightning White Lithium . . . a multipurpose, all weather lithium grease. Water and heat resistant. Unsurpassed lubrication qualities.
Stock No. 120-1300. 11 oz. Sold Each.

3M Silicone Lubricant "Plus". . . a high quality silicone for sliding parts. Eliminates squeaks, prevents sticking and seals out moisture. Use on rubber, metal, glass, vinyl or wood.
Stock No. 120-1349. 9 oz. Sold Each.

WD-40 . . . metal lubricant and cleaner. Everyone's favorite. Cleans, protects and loosens rusted or corroded metal parts.
Stock No. 120-1344. 11 oz. Sold Each.



3M Adhesive Remover . . . cleans off adhesive residue after woodgrain or vinyl stripes have been removed.
Stock No. 120-8908. 16 oz. Sold Each.

3M Adhesive Release Agent . . . special solvent quickly softens adhesive bonds for auto glass rubber set glass.
Stock No. 122-8987. 20 oz. Sold Each.

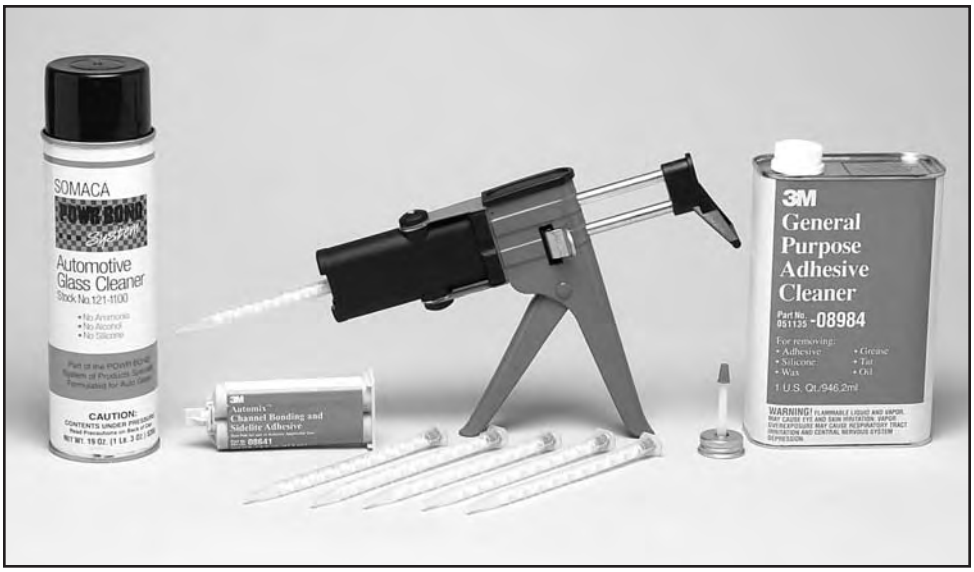
Somaca Super Seal Release Agent . . . for rubber set auto glass.
Stock No. 120-8000. 11 oz. Sold Each.

3M General Trim Adhesive . . . fast drying, high strength. Bonds a wide variety of materials.
Stock No. 120-8080. 16-1/4 oz. Sold Each.

3M Super 77 Spray Adhesive . . . permanently attaches a wide variety of materials. Fast drying.
Stock No. 336-1700. 16-1/2 oz. Sold Each.

3M Automix™ Channel Bonding and Sidelite Adhesive System

A Two-Part Adhesive that Provides a Quick Cure Time, Regardless of Weather Conditions!



A Wide Variety of Uses

- Broken Grill Pieces
- Loose or Broken Heater, Window, Door, Seat, Knobs
- Window Channels
- Tail Light and Side Light Lens Cover
- Emblem and Side Guards
- Interior Trim
- Bumper Pads

AUTOMIX Channel Bonding and Sidelite Adhesive is a two-part flexible, durable adhesive used for bonding movable and stationary automotive side glass into place. This adhesive has a 4-5 minute work life and a "drive-away" time of 1 hour. It is used to join automotive parts made of plastic, metal, glass and fiberglass. Black color matches OEM appearance. When used in combination with the special applicator gun and nozzle, a fast, precise and secure repair is achieved. Use 3M general purpose adhesive cleaner No. 122-8984, and POWR Bond Auto Glass Cleaner, 121-1100, for cleanup.

STOCK NO.	Description	UNIT PKG.
122-1090	Automix Duo-Pax Adhesive 1.6 fl. oz.	ONE
211-6590	Applicator Gun	ONE
211-6596	Mixing Nozzles	6
122-8984	3M Adhesive Cleaner - 1 Quart	ONE
121-1100	POWR BOND Glass Cleaner - 19 oz.	12

3M Structural Adhesive Kit



A Powerful Bonding Agent . . . use to secure Side Window Glass to Metal U-Channels, Rearview Mirrors to Windshields, Exterior Trim and Mouldings to Body, and Interior Trim Panels.

• Super Strength • 3000 PSI Bond • Cures in 1 Hour @ 73°F

Powerful two-part adhesive solves the problem of bonding side window glass to metal channels. Also ideal for bonding rearview mirror to windshields, side mouldings to the body and interior trim. A two-part system developing 3000 PSI tensile strength on glass, plastic, metal, fiberglass and rubber. Two, 2 oz. tubes per set.

CAUTION: Part A contains Isocyanate.
Read MSDS, Tubes and Boxes Before Use.

UNIT PKG: ONE KIT

STOCK NO.	Description	UNIT PKG.
122-8041	Two 2 fl. oz. Adhesive Tubes	ONE KIT

Automotive Rearview Mirror Adhesives

LOCTITE® Minute Bond Products
Rearview Mirror Adhesive Combo Packs



Nothing works better than Loctite for rearview mirror bonding! First, make sure you mark the outside of the glass for replacement of the rearview mirror bracket. Next, clean the mirror bracket and then spray Minute Bond Primer 736 on the glass, where the bracket will be positioned. Apply two drops of Loctite 312 Adhesive to the bracket. Carefully place the bracket on the glass. Reinstall the mirror.

STOCK NO.	Description	UNIT PKG.
122-3325	.80 oz. Bond & 6 oz. Primer	ONE PACK



Furnished as a 2-part boxed kit which contains a 1.69 fl. oz. size of Minute Bond 312 Adhesive in a plastic squeeze flask, and Minute Bond Loctite Primer 736 in an aerosol can. Kit comes complete with instructions for the fast installation of rearview mirrors to glass, and multipurpose automotive applications.

STOCK NO.	Description	UNIT PKG.
122-3326	1.69 oz. Bond & 6 oz. Primer	ONE PACK

LOCTITE®
Individual Primer & Adhesive





Loctite 736 Primer NF and Speed Bonder 312 are available individually. Primer 736 comes in an aerosol can, and Speed Bonder 312 comes in a flask. Basic components of kit No. 122-3326, shown above.

STOCK NO.	Description	Size	UNIT PKG.
122-3327	Loctite Primer 736	6 fl. oz.	ONE CAN
122-3328	Speed Bonder Adhesive	1.69 fl. oz.	ONE FLASK

CAUTION: Minute Bond Adhesive is only recommended for use on non-porous flat surfaces that are to be mated together with a gap of .003 of an inch maximum. Larger gaps or irregular surfaces will not adhere. Primer should be 72° or warmer. Vapor can be harmful. Use in a well ventilated area.

LOCTITE®
Minute Bond Rearview Mirror Adhesive Kit

- **Average Shop Size**

CARDED



This 2-part Minute Bond Kit permanently bonds plastic and rearview mirror brackets to windshield glass. Adhesive sets in seconds, and is ready to use in minutes. Rearview Mirror Adhesive is designed for rearview mirror mounting only. Achieves 60% of full strength in two minutes. Size: .20 oz. Adhesive, 1.33 oz. Primer. Makes at least 100 repairs.

STOCK NO.	Description	UNIT PKG.
122-3346	Rearview Mirror Adhesive Kit	ONE CARD
122-3347	12 Rearview Mirror Adhesive Kits	ONE BOX

Automotive Epoxy Adhesive

LOCTITE®

Fast Cure Epoxy

- Sets in 5 to 15 Minutes
- Bonds, Seals, Patches
- Easy to Apply - No Mess

For Door Glass Channels, Plastic Grilles and Frames, and Cracked or Broken Casings

Loctite Fast Cure Epoxy Adhesive sets in 5 to 15 minutes for fast, all-purpose repairs. Convenient package of pre-portioned quick mix cups of epoxy adhesive. Powerful, economical, speedy, and easy to mix and apply. Each cup contains enough epoxy for average quick repairs. No mess or waste. Use for setting door glass in lower channel and for general repairs on most materials. Ideal for all non-porous surfaces.
EASY TO USE: Zip off the protective film and pop the mixer cup to allow the epoxy to mix. Stir the contents thoroughly and dab on a thin coat. Directions on can.



.12 oz. Mixer Cups



STOCK NO. 122-4581
TEN INDIVIDUAL CUPS -
Color: Gray
UNIT PKG: ONE CAN
Contains (10) .12 oz. Mixer Cups

1 oz. Mixer Cups



STOCK NO. 122-4583
TEN INDIVIDUAL CUPS -
Color: Gray
UNIT PKG: ONE BOX
Contains (10) 1 Oz. Mixer Cups

1 oz. Mixer Cups



STOCK NO. 122-4585
FIFTY INDIVIDUAL CUPS -
BULK PACKAGE
Color: Gray
UNIT PKG: ONE BOX
Contains (50) 1 Oz. Mixer Cups

Adhesives and Release Agents

LOCTITE® "Super Bonder" All-Purpose Adhesive

- **No Mixing**
- **Instant Bond - 60 Seconds**



122-1096



122-1097

Super Bonders 494 and 495 join metal, alloys, plastics, ceramics, rubber, vinyl and almost any smooth, non-porous surface. This super strength single component adhesive requires no heating, clamping, or pre-treatment of surfaces.

STOCK NO.	Description	Color	Contents	UNIT PKG.
122-1096	495	Clear	1 fl. oz.	ONE BOTTLE
122-1097	494	Clear	(12) 3cc Kits	BOX OF12

KRYTOX® Moulding Grease

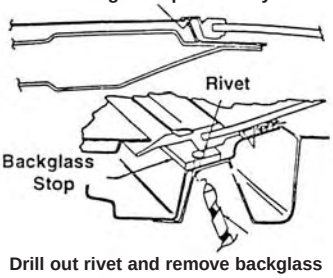


- **Ford & GM Applications**
- **Won't Wash Off**
- **Non-Flammable, Contains No Silicone**

Exterior squeaks from the rear of vehicles may be caused by a rear window moulding lip that binds on the window glass.
To remedy this situation, apply Krytox Grease to the entire underside of the rear window moulding lip and between the painted surface of the roof and the pillars. This will squelch the squeak.

Stops Squeaks Caused by Moulding Lips that Bind on Glass or Body Frame

Apply Krytox to underside of back glass lip and body



Drill out rivet and remove backglass stop. Plug hole with silicone sealer.

STOCK NO.	Description	Contents	UNIT PKG.
120-0250	Syringe Applicator	1/2 oz.	ONE BAG

Somaca Super Seal Release Agent



Somaca Super Seal Release Agent quickly softens and releases the adhesive bond between automotive grommets, weatherstrip, glass and metal. It is designed to loosen or dissolve most adhesives, and softens or undercuts butyl-, oil-based and polysulfide windshield sealers.

STOCK NO.	Contents	UNIT PKG.
120-8000	11 fl. oz. Can	ONE CAN

3M Adhesive Release Agent



A special solvent blend that quickly softens adhesive bonds between automotive weatherstrip and metal. Also works rapidly to soften the bond between auto glass and rubber grommets on vehicles having rubber-set installations.

STOCK NO.	Contents	UNIT PKG.
120-8963	12 fl. oz. Can	ONE CAN

Adhesive and Sealant Cleaners

POWR BOND
General Purpose Citrus Cleaner



Our General Purpose Citrus Cleaner has a pleasing citrus scent. It quickly softens and removes adhesives, tar, grease, oil, body sealers, wax, undercoating overspray and silicone. The 1-1/2" pour spout and spout cover are stored inside the can top. The solvent is milky white/pale yellow in color.
The flash point is 115°F. We recommend technicians wear chemical resistant nitrile gloves (Stock No. 240-4125) and safety glasses (240-4444).

STOCK NO.	Contents	UNIT PKG.
121-7774	32 fl. oz. Quart Can	ONE CAN

3M Adhesive Cleaner

A Specially Blended Solvent that Provides Easy Cleanup of Most Types of Adhesives

Removes:
Waxes, Road Tars, and Grease



This general purpose cleaner is a specially blended solvent that makes cleanup easy on most adhesives. It also removes waxes, road tars, grease and oil. Will not harm thoroughly cured automotive paint or vinyl, and it is widely used to clean pinchwelds before applying a sealant.

STOCK NO.	Contents	UNIT PKG.
122-8984	32 fl. oz. Quart Can	ONE CAN

"Clean Up" Dry Sealant Cleaner

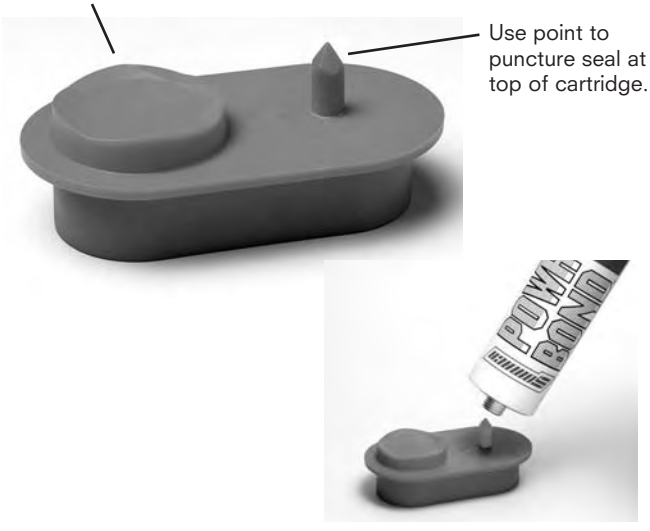


"Clean Up" is used for glass installations and general auto body repairs. This dry aerosol removes uncured urethane, butyl, tar, grease and fresh paint from fabrics, vinyl, rubber and metal surfaces after installations. Merely spray cleaner on and then wipe clean. It leaves no residue or ring and is non-flammable.

STOCK NO.	Contents	UNIT PKG.
337-1732	20 fl. oz. Can	ONE CAN

Urethane Cartridge Opener

Use round end to push in seal at bottom of cartridge.



A real time saver! Mount this cartridge opener almost anywhere, and you will be ready-to-open cartridges fast in the middle of an installation. Imported from Germany.

STOCK NO.	Description	UNIT PKG.
200-5390	Cartridge Opener	ONE TOOL

Weatherstrip Adhesives

3M Super Weatherstrip Adhesive





Ideal for fast, high strength bonding of gaskets and rubber weatherstrip in T-top, sunroof, and moon roof installations. Also for installing or repairing weatherstripping around car doors and trunks. The black color eliminates any unsightly color line between gaskets and channels. Reduces cleanup as adhesive blends with the black rubber gaskets and weatherstrip. Yellow color is for general use.

STOCK NO.	Color	Contents	UNIT PKG.
122-8008	Black	5 oz. Tube	ONE TUBE
122-8001	Yellow	5 oz. Tube	ONE TUBE

LOCTITE® Contact Adhesive

Bonds Rubber, Metal and Fabrics!

Loctite Contact Adhesive is a professional quality, super weatherstrip adhesive. Withstands temperature extremes. Resistant to most solvents, it bonds rubber, metal, fabric-backed vinyl upholstery, vinyl tops, auto/van carpeting and headliners.



STOCK NO.	Color	Contents	UNIT PKG.
122-0540	Black	5 oz. Tube	ONE TUBE
122-0537	Amber	5 oz. Tube	ONE TUBE

3M General Trim Adhesive

Bonds a Variety of Materials to Metal and Other Surfaces!

3M General Trim Adhesive is a clear, fast-drying, high-strength adhesive. It is used to bond a wide variety of automotive materials including carpeting, jute pads, kick pads, insulation materials, foams, lightweight headliners, fabrics, plastics, rubber and (adequately supported) flexible vinyl to metal and other surfaces.
Adjustable nozzle spray.



STOCK NO.	Color	Contents	UNIT PKG.
120-8080	Clear	16-1/4 oz.	ONE CAN

3M Super 77 Spray Adhesive

Fast, Uniform and Easy Spray Application!

This strong, translucent adhesive permanently attaches carpet, cloth, felt, foil, foam, cardboard, etc. to painted or unpainted metals, wood and many other base materials.
It is fast drying, although its initial high tack allows for adequate positioning time.
It's also heat and water resistant.



SOLD PER CAN - 12 CANS PER CARTON

STOCK NO.	Color	Contents	UNIT PKG.
336-1700	Clear	16-1/2 oz.	ONE CAN

Automotive Tapes

3M Masking Tape

- **Provides Adhesive Stability in Full Sunlight**
- **Crepe Paper Backing Forms Easily to Meet Tough Masking and Holding Jobs**



*Best Seller

BLUE

STOCK NO.	Width	Length	UNIT PKG.
213-6817	3/4"	60 yds.	ONE ROLL
213-6818*	1"	60 yds.	ONE ROLL
213-6819	1-1/2"	60 yds.	ONE ROLL
213-6820	2"	60 yds.	ONE ROLL

STICKER-TITE

Self-Sealing Sponge Rubber Closed Cell - Adhesive Backed



*Best Seller

BLACK

Sticker-Tite is a combination weatherseal, draft and rattle eliminator. It can be used wherever a cushioned joint or permanent seal is required. It also lessens motor and wind vibration. Pressure sensitive adhesive backing adheres readily.

STOCK NO.	Thickness	Width	Length	UNIT PKG.
104-4017*	3/16"	3/8"	50 ft.	ONE ROLL
104-4018	1/4"	3/8"	50 ft.	ONE ROLL
104-4021	7/16"	1/2"	50 ft.	ONE ROLL
104-4022	5/16"	1/2"	50 ft.	ONE ROLL
104-4025	5/16"	1"	50 ft.	ONE ROLL
104-4026	3/4"	1"	12 ft.	ONE ROLL

3M Automotive Masking Tape

Premium Quality

This 3M masking tape has an extremely high-tack capability and can be used for masking, marking or sealing.

*Best Seller



NATURAL

STOCK NO.	Width	Length	UNIT PKG.
213-2230	1/2"	60 yds.	ONE ROLL
213-2231*	3/4"	60 yds.	ONE ROLL
213-2233	1"	60 yds.	ONE ROLL
213-2234	2"	60 yds.	ONE ROLL

Masking Tape

Good Quality

A good quality grade masking and packaging tape. It sticks quickly and firmly, yet peels easily and cleanly. Attractively priced, it's extremely popular among cost conscious glaziers.



Most Popular Color!



*Best Seller

Not For Painted Surfaces

BLACK

STOCK NO.	Width	Length	Contents	UNIT PKG.
213-2351	3/4"	60 yds.	12 Rolls	ONE SLEEVE
213-2352	1"	60 yds.	9 Rolls	ONE SLEEVE
213-2353*	2"	60 yds.	1 Roll	ONE ROLL

*Best Seller



NATURAL

SOLD PER SLEEVE ONLY

STOCK NO.	Width	Length	Contents	UNIT PKG.
213-2340	1/2"	60 yds.	18 Rolls	ONE SLEEVE
213-2341*	3/4"	60 yds.	12 Rolls	ONE SLEEVE
213-2342	1"	60 yds.	9 Rolls	ONE SLEEVE
213-2344	1-1/2"	60 yds.	6 Rolls	ONE SLEEVE
213-2343	2"	60 yds.	6 Rolls	ONE SLEEVE

Auto Glass Channel Packing

Tuff-Pak
Cork and Rubber



Five Thicknesses:
- 1/32″
- 3/64″
- 1/16″
- 5/64″
- 3/32″

A strong, flexible material of high cork content in rubber composition which grips and cushions glass set in channel. It forms a tight seal and conforms to contours of glass edge.

UNIT PKG: ONE ROLL

STOCK NO.	Width	Thickness	Length	Weight
101-0112	1-1/2″	1/32″	100′	1-1/2 lbs.
101-0113	1-1/2″	3/64″	100′	2-1/2 lbs.
101-0114	1-1/2″	1/16″	100′	3-1/4 lbs.
101-0115	1-1/2″	5/64″	50′	4 lbs.
101-0116	1-1/2″	3/32″	50′	4-1/4 lbs.

Everseal
Composition Rubber

Four Thicknesses:
- 1/32″
- 3/64″
- 1/16″
- 3/32″

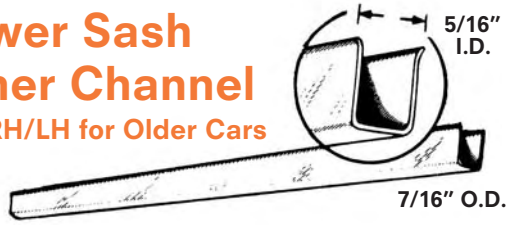


Everseal forms a water-tight seal around door frames, windows, roof panels. Made of rubber with finely impregnated cotton fiber. Apply by hand, coating lightly with thin oil to make the Everseal swell to achieve the ultimate, tightest fit.

UNIT PKG: ONE ROLL

STOCK NO.	Width	Thickness	Length	Weight
101-0212	1-1/2″	1/32″	100′	3-3/4 lbs.
101-0213	1-1/2″	3/64″	100′	4 lbs.
101-0214	1-1/2″	1/16″	100′	4-1/2 lbs.
101-0215	1-1/4″	1/32″	100′	2 lbs.
101-0216	1-1/2″	3/32″	50′	4 lbs.

Lower Sash Retainer Channel
Universal RH/LH for Older Cars



Steel universal window retainer channel with flat bottom and flared top edge. Replacement for older model cars.

STOCK NO.	Material	Length	UNIT PKG.
103-7010	Steel	96″	ONE LENGTH
103-7011	Steel	48″	ONE LENGTH

SealStrip All-Rubber
Glass Channel Packing



Two Widths
- 1-1/4″
- 1-1/2″

Five Thicknesses:
- 1/32″
- 3/32″
- 3/64″
- 5/64″
- 1/16″

SealStrip seals against dirt, moisture and weather - insulates against sound and vibration. Ideal for vent work because it turns tight corners easily, yet won't stretch out of shape. Its uniform tackiness clings to glass, holds tight when glass is set.

UNIT PKG: ONE ROLL

STOCK NO.	Width	Thickness	Length	Weight
101-0254	1-1/4″	1/16″	100′	5 lbs.
101-0648	1-1/4″	1/32″	100′	7-3/4 lbs.
101-0262	1-1/2″	1/32″	100′	2-3/4 lbs.
101-0263	1-1/2″	3/64″	100′	4-1/4 lbs.
101-0641	1-1/2″	3/32″	100′	2-1/2 lbs.
101-0264	1-1/2″	1/16″	50′	5-3/4 lbs.
101-0731	1-1/2″	5/64″	50′	6-1/4 lbs.

Mohair Channel Liners



Angoran mohair liners are a finely textured, black lining material with a non-adhesive rubberized backing. Use to reline worn window division bars and channels and to reline guide bars on lockside of hardtops and convertibles. Easily cut to a specific size or configuration. Glue to the base of objects to protect shelf, desk or table surfaces.

STOCK NO.	Description	Color	UNIT PKG.
104-6041	1-5/8″ x 50′ reel	Black	ONE REEL
104-6042	2-5/8″ x 40′ reel	Black	ONE REEL



Moleskin Channel Liners

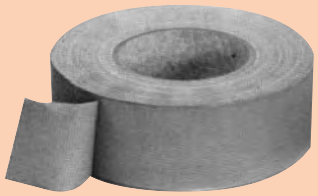
Two Types:
- (4) 1/4″ Strips
- 2″ Solid

Flexible moleskin liners are widely used to line window channels and division bars, and to cover rivets, screws and fasteners. Also, to cushion edges of sliding glass panels and to line display cases/drawers. Prevents water leaks and "wind whistles" in vehicles. With adhesive backing. In strips or solid.

STOCK NO.	Description	Color	UNIT PKG.
104-6011	1″ x 45′ reel - (4) 1/4″ strips	Black	ONE REEL
104-6021	2″ x 45′ reel - 2″ solid	Black	ONE REEL
104-6022	2″ x 90′ reel - 2″ solid	Black	ONE REEL

Duct and Specialty Tapes

Duct Tapes



Silver

Excellent Quality

Duct tape is a high tack cloth tape coated with polyethylene for heavy duty outdoor or indoor use. Highly resistant to moisture, temperature extremes and aging.

STOCK NO.	Width	Length	Weight	UNIT PKG.
101-0528	1-1/2"	180'	1-1/2 lb.	ONE ROLL
	38.10mm	54.86m	0.68 kg	
101-0529	2"	180'	2 lb.	ONE ROLL
	50.80mm	54.86m	0.90 kg	



Silver

Good Quality

This good quality tape effectively seals round or rectangular shapes. Sticks instantly at all temperatures and keeps air in, dirt out.

STOCK NO.	Width	Length	Weight	UNIT PKG.
101-0445	1-1/2"	180'	1-1/2 lb.	ONE ROLL
	38.10mm	54.86m	0.68 kg	
101-0450	2"	180'	2 lb.	ONE ROLL
	50.80mm	54.86m	0.90 kg	



Black

Excellent Quality

STOCK NO.	Width	Length	Weight	UNIT PKG.
101-0525	1-1/2"	180'	1-1/2 lb.	ONE ROLL
	38.10mm	54.86m	0.68 kg	
101-0526	2"	180'	2 lb.	ONE ROLL
	50.80mm	54.86m	0.90 kg	



"Non-Skid" Desk Tapes

3/4" Width

Black Sponge Rubber & Brown Cork/Rubber

The adhesive side of the tape is applied to the glass surface. Tapes not only provide a firm hold of the glass on desk surfaces, but a cushioning effect as well.

STOCK NO.	Color	Texture	Lgth.	Thick.	UNIT PKG.
315-2483	Black	Sponge Rubber	50'	1/8"	ONE ROLL
315-2170	Brown	Cork/Rubber	100'	1/16"	ONE ROLL

Filament Strapping Tape



Heavy duty tape for sealing, bundling, securing and holding. Extremely high tensile strength - easily conforms to irregular shapes and surfaces. Filaments strengthen the tape to produce strong tear resistance, prevent curling.

STOCK NO.	Width	Length	Case	UNIT PKG.
349-1700	1/2"	180'	72	ONE ROLL
349-1701	3/4"	180'	48	ONE ROLL
349-1702	1"	180'	36	ONE ROLL

2" Carton Sealing Tape and Tape Dispenser

This sealing tape is extremely sticky, imparting strong holding power to corrugated and other materials. Clear when applied, excellent for sealing over labels on cartons, and Kraft paper wrapped around mirrors and framed pictures.



STOCK NO.	Width	Length	UNIT PKG.
349-1802	2"	165'	ONE ROLL
213-5125	Hand Tape Dispenser		ONE DISPENSER

All-Purpose Electrical Tape

Glossy Black - UL Approved



Good quality electrical tape was designed to insulate wires, pipes, hoses, and metal joints. It provides a tight, solid wrap with resistance to water, weather, acids, oils and alkalies.

STOCK NO.	Color	Width	Length	UNIT PKG.
101-0534	Glossy Black	3/4" 19.05mm	60' 18.28m	ONE ROLL

Friction Tape

Black



Heavy fabric tape has strong, tacky adhesive on both sides, for a multitude of auto, marine, and general glass shop uses. Ideal for setting window vents, door glass channels.

STOCK NO.	Color	Width	Length	Weight	UNIT PKG.
101-0501	Black	3/4" 19.05mm	60' 18.28m	5-1/2 oz. 154 g	ONE ROLL
101-0504	Black	1-1/2" 38.10mm	60' 18.28m	10-1/2 oz. 294 g	ONE ROLL

Window Channel Tools

Window Channel Chisel



Primarily used as a channel chisel, and is excellent for removing fractured glass from vent frames. It has a 9" long steel blade with a 4" lucite handle.

STOCK NO.	Width	Tool Length	UNIT PKG.
201-3003	1/4"	13"	ONE TOOL

Window Channel Chisel
Heavy Duty



Paver style chisel easily removes broken pieces of glass from channels. Can also be used as a lathekin to straighten dented channel grooves.

STOCK NO.	Weight	Tool Length	UNIT PKG.
201-3002	1 lb. 4 oz.	16-1/4"	ONE TOOL

Glass Run Channel Cleaner





Reaches behind the channel lip to remove the most stubbornly wedged pieces of glass that are almost impossible to get out with a screwdriver. Tool's rounded tip is designed to prevent damage to the weather-stripping and the 24" length reaches to the bottom of the deepest door.

STOCK NO.	Description	UNIT PKG.
201-0506	Channel Cleaner	ONE TOOL

Channel Cleaning Bits



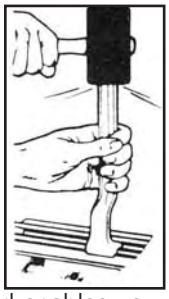


Put one of these bits in your drill and cut the glass and adhesive out of door glass channel in seconds with no heat. Each bit has six hardened steel flutes that cut the adhesive and broken glass out of the channel. Two sizes: 1/4" for thicker glass channels, and 1/8" for narrower channels.

STOCK NO.	Size	UNIT PKG.
201-0548	1/8"	ONE
201-0549	1/4"	ONE

Somaca "No-Krak" Window Channel Driver

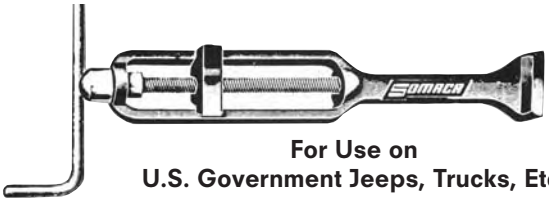




The driver's machined grooves and offset head enables you to get under the flange when working on metal automotive window channels. Will fit all types of channels and easily straightens bent or damaged grooves.

STOCK NO.	Length	Weight	UNIT PKG.
201-3001	8"	1 lb.	ONE TOOL

40W "No-Krak" Windshield Tool
For One Piece Windshield Replacements



For Use on
U.S. Government Jeeps, Trucks, Etc.

Handle all one piece windshield glass jobs quickly, especially when you have difficulty in getting the frame apart because of rusting of the two prongs. No hammering, glass breakage or frame damage. Also excellent for pulling the two frames together after new glass has been installed.

STOCK NO.	Length	Weight	UNIT PKG.
201-3040	24-1/2"	8 lbs.	ONE TOOL

Channel and Frame Wedge



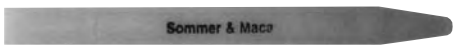
Removes framework and channels from glass. Tough fiber material withstands heavy hammer blows, and will not scratch glass. Ideal for knocking door glass from lower channel.

STOCK NO.	Description	UNIT PKG.
201-7001	Driving Wedge	ONE TOOL

Windshield Installation Paddles



213-3219 - Tapered Tips



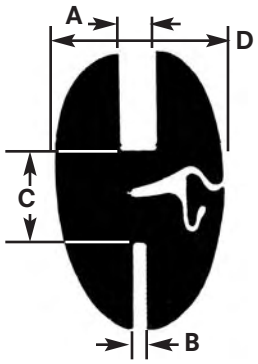
213-3220 - Chisel and Tapered Tips

Break resistant tools are used as a putty knives, a paddle for backliting windshields, a sealant scraper, or a pry bar for installing glass set in rubber channels. Will not chip glass.

STOCK NO.	Length	Color	UNIT PKG.
213-3219	8" Tapered Tips	Beige	ONE
213-3220	8" Chisel/Tapered Tips	Fluorescent	ONE

One-Piece Weatherstrips

Rubber weatherstrips provide an inexpensive method of fixed window installation. They are easy to install and securely lock the glass in place, providing an effective weather seal. Self-sealing weatherstrip instructions are shown in this catalog. Special installation tools can be obtained from any Somaca Supply Warehouse. For easier assembly of lock strips, lubricate the lock strip channel by brushing on Cosmos V, No. 120-1377. Do not use laundry detergents or soap solutions containing phosphates. All sections, except plastic lock strip Part No. 101-2254 (75000723), are produced from antioxidizing black rubber which is weather and ozone resistant, as well as tear and stain resistant. EPDM (a terpolymer made from ethylene, propylene and diene monomers) is compounded to meet requirements for ASTMD200 (or SAEJ20D) 4AA712A13B13C12F17P20. The EPDM compound has exceptional resistance to ozone and weathering. Note: Weight per foot lb. may vary.



AS-893



A Glass panel thickness	.1875-.250"
B Body panel thickness	.053-.096"
C Minimum clearance	.2812"
D Overall width	.625"
Minimum bend radius	2.5"
Weight per foot lb.	.206#
Rubber compound	EPDM

STOCK NO.	Length	MFR #	UNIT PKG.
104-2147	50'	AS-893	ONE ROLL

☆ No. 2 In Sales
AS-1522



A Glass panel thickness	.1875-.250"
B Body panel thickness	.035-.067"
C Minimum clearance	.3125"
D Overall width	.75"
Minimum bend radius	2.5"
Weight per foot lb.	.256#
Rubber compound	EPDM

STOCK NO.	Length	MFR #	UNIT PKG.
101-2101	50'	AS-1522	ONE ROLL

AS-987



A Glass panel thickness	.1875-.250"
B Body panel thickness	.093-.140"
C Minimum clearance	.3125"
D Overall width	.750"
Minimum bend radius	2.5"
Weight per foot lb.	.288#
Rubber compound	EPDM

STOCK NO.	Length	MFR #	UNIT PKG.
101-2112	50'	AS-987	ONE ROLL

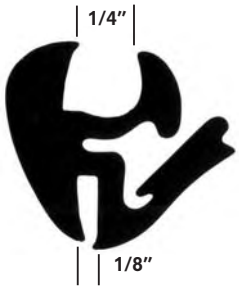
☆ No. 1 In Sales
AS-1529



A Glass panel thickness	.1875-.250"
B Body panel thickness	.0938-.1406"
C Minimum clearance	.3125"
D Overall width	.75"
Minimum bend radius	2.5"
Weight per foot lb.	.261#
Rubber compound	EPDM

STOCK NO.	Length	MFR #	UNIT PKG.
101-2103	50'	AS-1529	ONE ROLL

AS-990



A Glass panel thickness	.1875-.250"
B Body panel thickness	.093-.140"
C Minimum clearance	.2812"
D Overall width	.625"
Minimum bend radius	1.5"
Weight per foot lb.	.205#
Rubber compound	EPDM

STOCK NO.	Length	MFR #	UNIT PKG.
104-2148	50'	AS-990	ONE ROLL

AS-1530

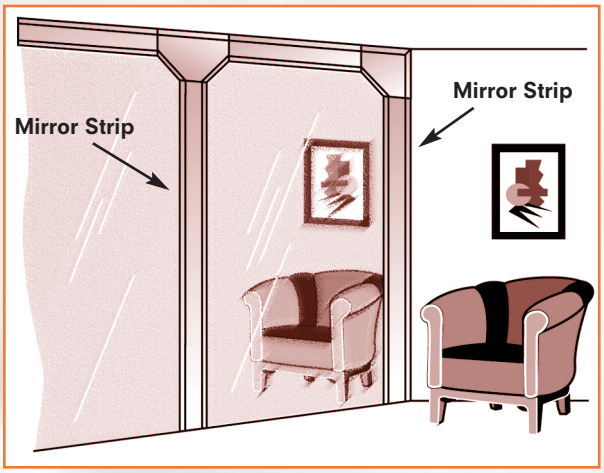


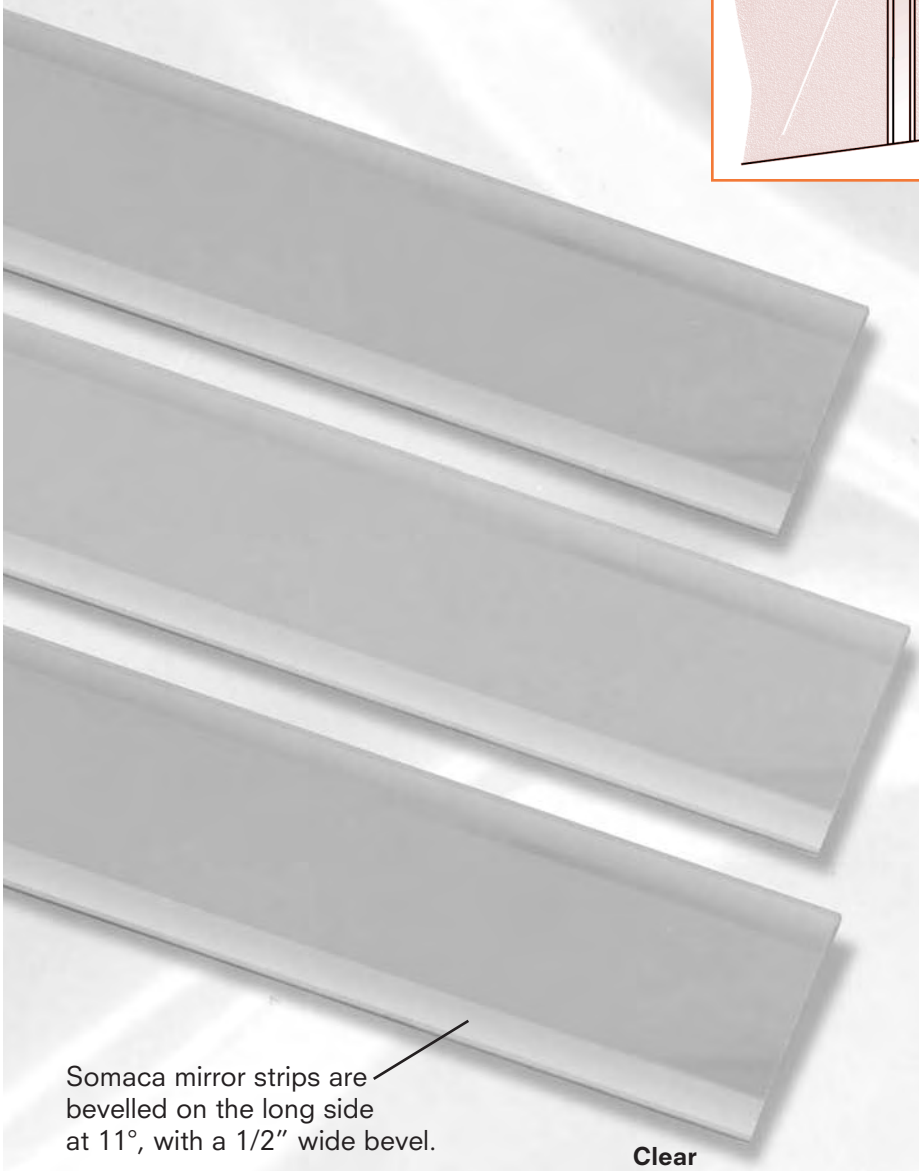
A Glass panel thickness	.1875-.250"
B Body panel thickness	.062-.078"
C Minimum clearance	.2812"
D Overall width	.625"
Minimum bend radius	1.5"
Weight per foot lb.	.205#
Rubber compound	EPDM

STOCK NO.	Length	MFR #	UNIT PKG.
101-2102	50'	AS-1530	ONE ROLL

Bevelled Mirror Strips

Somaca Bevelled Mirror Strips are used as an overlay between two mirror panels, to conceal the edges in situations where the panels do not meet evenly.
They are also used to frame out the perimeter of a mirror or mirrored wall.
See illustration at right.





Somaca mirror strips are bevelled on the long side at 11°, with a 1/2" wide bevel.

Clear

Somaca mirror strips are available in 2", 3" and 4" widths, with standard lengths of 100" and 120". Strips are sold 25 lengths per case. The case can be shipped by truck or picked up at your nearest Somaca warehouse.

Specifications: 1/2" bevel at 11°

Color: Clear

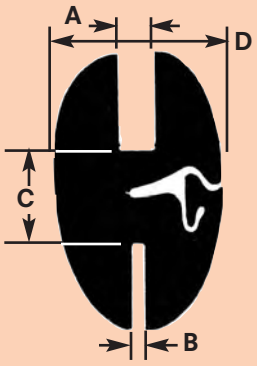
BEVELLED MIRROR STRIPS
UNIT PKG: 25 LENGTHS

STOCK NO.	Size
344-2000*	2" width x 100" length
344-2020	2" width x 120" length
344-3000	3" width x 100" length
344-3030	3" width x 120" length
344-4000	4" width x 100" length
344-4040	4" width x 120" length

*BEST SELLER

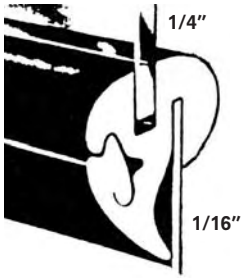
NOTE: Cases can be assorted for quantity pricing.
FOB shipping warehouse.

One-Piece Weatherstrips



AS-1621

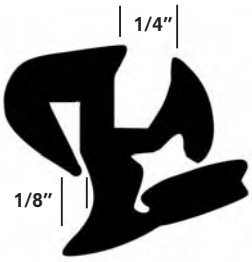
A Glass panel thickness	.1875-.250″
B Body panel thickness	.046-.075″
C Maximum Overlap	.125″
D Overall width	.937″
Minimum bend radius	2.0″
Weight per foot lb.	.260#
Rubber compound	EPDM



STOCK NO.	Length	MFR #	UNIT PKG.
101-2121	50′	AS-1621	ONE ROLL

AS-1660

A Glass panel thickness	.1875-.250″
B Body panel thickness	.075-.140″
C Maximum Overlap	.145″
D Overall width	1.00″
Minimum bend radius	2.0″
Weight per foot lb.	.298#
Rubber compound	EPDM



STOCK NO.	Length	MFR #	UNIT PKG.
104-2150	50′	AS-1660	ONE ROLL

AS-1663

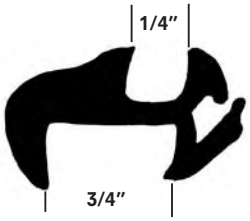
A Glass panel thickness	.1875-.250″
B Body panel thickness	.093-.140″
C Maximum Overlap	.2812″
D Overall width	.625″
Minimum bend radius	1.5″
Weight per foot lb.	.177#
Rubber compound	EPDM



STOCK NO.	Length	MFR #	UNIT PKG.
104-2151	50′	AS-1663	ONE ROLL

10249

A Glass panel thickness	.250″
B Body panel thickness	.750″
C Minimum clearance	.1562″
D Overall width	1.1875″

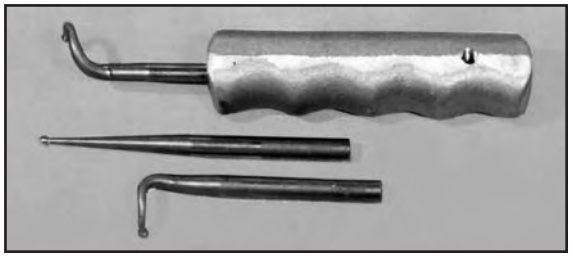


STOCK NO.	Length	MFR #	UNIT PKG.
101-2104	12′	10249	ONE ROLL

Somaca "Pig-Tail" Locking Kit

"Pig-Tail" locking tools are used for installing self-locking one-piece rubber gaskets in automotive and curtainwall building construction. The "sure-grip" aluminum handle has provision for bit insertion at both ends and Allen screws.

Heavy Duty Tool - 5/16" Shank



STOCK NO.	Description	UNIT PKG.
230-4001	Pistol Handle (5/16" Hole)	ONE
230-4002	5/16" Straight Bit	ONE
230-4004	5/16" Left Hand Pig-Tail	ONE
230-4005	5/16" Right Hand Pig-Tail	ONE
201-1034	Allen Wrench	ONE
230-4007	Complete Kit (One Each of Above)	ONE

Somaca "Cosmos V" Gel Rubber Gasket Lubricant

Used For the Installation of:

- **Windshield Filler Strips and Channels**
- **Windshield and Backlite Gaskets**
- **Neoprene Window Gaskets**
- **Appliance Gaskets**



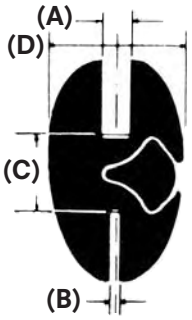


Cosmos V gel greatly aids the installation of glass, plastic or metal panels into rubber gaskets and channels. Cosmos also speeds the installation of rubber windshield filler strips. For best results, brush application is advised. Cosmos V is water soluble and will wash off in the rain; it easily wipes clean with a wet or dry cloth. Store above 31°F.

STOCK NO.	Size	Case Quantity	UNIT PKG.
120-1377	Gallon	4	ONE CAN

Two-Piece Self-Sealing Auto Weatherstrip

Rubber weatherstrips provide an inexpensive method of fixed window installation. They are easy to install and securely lock the glass in place, providing an effective weather seal. These weatherstrips are available in 50′ coils. Self-sealing weatherstrip instructions are shown in this catalog. Special installation tools can be obtained from any Somaca Supply Warehouse. The range of dimensions shown in the chart apply to average conditions. Note: Weight per foot lb. may vary. For easier assembly of lock strips, lubricate the lock strip channel by brushing on Cosmos V Gel Lubricant, Stock No. 120-1377. Do not use laundry detergents or soap solutions containing phosphates. All sections, except plastic lock strip Part No. 101-2254 (75000723), are produced from antioxidizing black rubber which is weather and ozone resistant, as well as tear and stain resistant. SBR (Styrene Butadiene Rubber) is compounded in accordance with S.A.E. standard ASTMD20004AA715A13B13C12F17P20. EPDM (a terpolymer made from ethylene, propylene and diene monomers) is compounded to meet requirements for ASTMD200 (or SAEJ20D) 4AA712A13B13C12F17P20. The EPDM compound has exceptional resistance to ozone and also to weathering.



AS-1035



A	Glass panel thickness	.2031-.250″
B	Body panel thickness	.035-.067″
C	Minimum clearance	.2812″
D	Overall width	.750″
	Minimum bend radius	2.28″
	Weight per foot lb.	.178#
	Locking strip	AS-937, 75000723
	Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG.
101-2203	AS-1035	50′ COIL

AS-1179



A	Glass panel thickness	.1875-.250″
B	Body panel thickness	.093-.140″
C	Minimum clearance	.3125″
D	Overall width	.750″
	Minimum bend radius	2.5″
	Weight per foot lb.	.277#
	Locking strip	AS-937, 75000723
	Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG.
101-2206	AS-1179	50′ COIL

AS-1216



A	Glass panel thickness	.1875-.250″
B	Body panel thickness	.035-.067″
C	Minimum clearance	.3125″
D	Overall width	.7187″
	Minimum bend radius	2.5″
	Weight per foot lb.	.248#
	Locking strip	AS-937, 75000723
	Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG.
101-2209	AS-1216	50′ COIL

AS-1448 BEST SELLER



A	Glass panel thickness	.1875-.250″
B	Body panel thickness	.625-.0781″
C	Minimum clearance	.3125″
D	Overall width	.7187″
	Minimum bend radius	2.50″
	Weight per foot lb.	.277#
	Locking strip	AS-937, 75000723
	Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG.
101-2201	AS-1448	50′ COIL

AS-1456



A	Glass panel thickness	.1875-.250″
B	Body panel thickness	.173-.195″
C	Minimum clearance	.3125″
D	Overall width	.7187″
	Minimum bend radius	2.0″
	Weight per foot lb.	.213#
	Locking strip	AS-937, 75000723
	Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG.
101-2210	AS-1456	50′ COIL

AS-1475



A	Glass panel thickness	.125-.1562″
B	Body panel thickness	.030-.065″
C	Minimum clearance	.2344″
D	Overall width	.5312″
	Minimum bend radius	2.0″
	Weight per foot lb.	.135#
	Locking strip	AS-1101
	Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG.
101-2211	AS-1475	50′ COIL

AS-1488



A	Glass panel thickness	.1875-.250″
B	Body panel thickness	.1875-.250″
C	Minimum clearance	.3437″
D	Overall width	.7187″
	Minimum bend radius	3.5″
	Weight per foot lb.	.232#
	Locking strip	AS-937, 75000723
	Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG
101-2208	AS-1488	50′ COIL

Two-Piece Self-Sealing Auto Weatherstrip

AS-1596



A Glass panel thickness	.1875-.250"
B Body panel thickness	.093-.140"
C Minimum clearance	.3125"
D Overall width	.750"
Minimum bend radius	2.5"
Weight per foot lb.	.277#
Locking strip	AS-937, 75000723
Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG.
101-2212	AS-1596	50' COIL

AS-1656



A Glass panel thickness	.1875-.250"
B Body panel thickness	.062-.140"
C Minimum clearance	.342"
D Overall width	1.25"
Minimum bend radius	4.0"
Weight per foot lb.	.504#
Locking strip	AS-937, 75000723
Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG.
104-4123	AS-1656	50' COIL

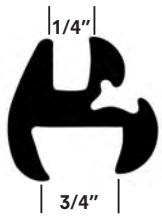
AS-3196



A Glass panel thickness	.1875"
B Body panel thickness	.0312-.0625"
C Minimum clearance	.2812"
D Overall width	.625"
Minimum bend radius	2.0"
Weight per foot lb.	.180#
Locking strip	AS-937, AS-789
Rubber Compound	SBR

STOCK NO.	MFR #	UNIT PKG.
101-2202	AS-3196	50' COIL

AS-1706



A Glass panel thickness	.1875-.250"
B Body panel thickness	.719-.782"
C Minimum clearance	.3125"
D Overall width	1.27"
Minimum bend radius	2.5"
Weight per foot lb.	.439#
Locking strip	AS-937, 75000723
Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG.
101-2213	AS-1706	50' COIL

AS-1707



A Glass panel thickness	.1875-.250"
B Body panel thickness	.469-.532"
C Minimum clearance	.3125"
D Overall width	1.04"
Minimum bend radius	2.5"
Weight per foot lb.	3.83#
Locking strip	AS-937, 75000723
Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG.
101-2214	AS-1707	50' COIL

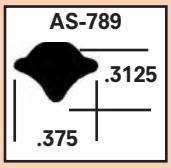
AS-1708



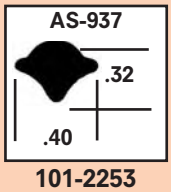
A Glass panel thickness	.1875-.250"
B Body panel thickness	.344-.406"
C Minimum clearance	.3125"
D Overall width	1.04"
Minimum bend radius	2.5"
Weight per foot lb.	3.83#
Locking strip	AS-937
Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG.
101-2215	AS-1708	50' COIL

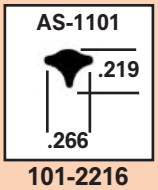
Lock Strips for Two-Piece Weatherstrip



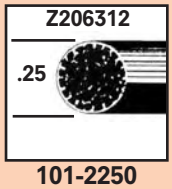
101-2252



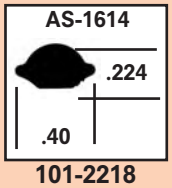
101-2253



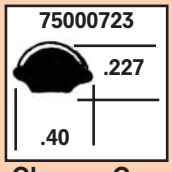
101-2216



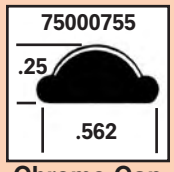
101-2250



101-2218



Chrome Cap 101-2254



Chrome Cap 101-2255

STOCK NO.	MFR #	UNIT PKG.
101-2252	AS-789	50' COIL
101-2253	AS-937*	50' COIL
101-2216	AS-1101	50' COIL

STOCK NO.	MFR #	UNIT PKG.
101-2250	Z206312	50' COIL
101-2218	AS-1614*	50' COIL
101-2254	75000723*	50' COIL
101-2255	75000755	50' COIL

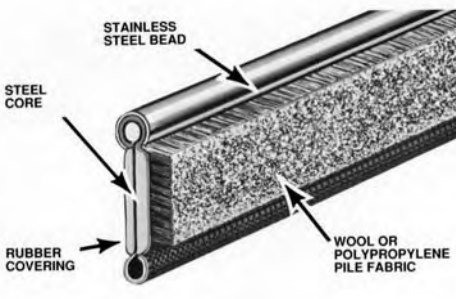
***Lock Strips for Two Piece Weatherstrip AS-937, AS-1597, AS-1614 and 75000723 are Interchangeable.**

Beaded and Unbeaded Weatherstrip

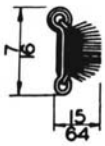
Weatherstrip

With Stainless Steel Bead

Flexible steel core is rubber-covered for moisture-proof corrosion protection. Live rubber cushions glass and seals weatherstrip tightly to moulding. Thick wool or Polypropylene pile fabric prevents penetration of dust, drafts and moisture. Anti-rattle protection. Stainless steel bead matches chrome trim of car.

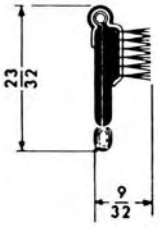


YM3
Flexible
Pile Lining
Rubber-Covered



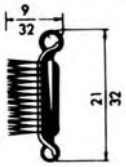
STOCK NO.	Size	UNIT PKG.
104-2118	72″	ONE
104-2016	96″	ONE

YM30
Flexible
Pile Lining
Rubber-Covered



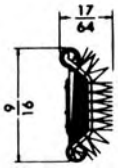
STOCK NO.	Size	UNIT PKG.
104-2026	96″	ONE

YM52RP
Rigid
Polypropylene
Pile Lining
Rubber-Covered



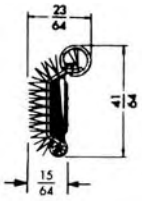
STOCK NO.	Size	UNIT PKG.
104-2036	96″	ONE

YM54R
Flexible
Pile Lining
Rubber-Covered



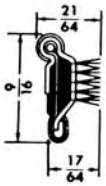
STOCK NO.	Size	UNIT PKG.
104-2046	96″	ONE

YM68
Flexible
Pile Lining
Rubber-Covered



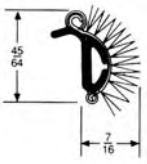
STOCK NO.	Size	UNIT PKG.
104-2119	96″	ONE

YM93
Flexible
Pile Lining
Rubber-Covered



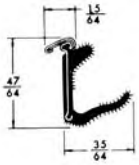
STOCK NO.	Size	UNIT PKG.
104-2120	96″	ONE

YM197XP
Rigid
Polypropylene
Pile Lining
Rubber-Covered



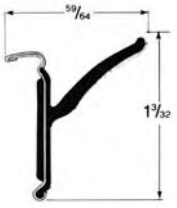
STOCK NO.	Size	UNIT PKG.
104-2121	96″	ONE

YMR13X
Rigid
Flocked Lining
Rubber-Covered



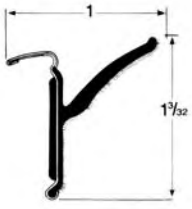
STOCK NO.	Size	UNIT PKG.
104-2116	96″	ONE

YMR255X
Rigid
Flocked Lining
Rubber-Covered



STOCK NO.	Size	UNIT PKG.
104-2122	96″	ONE

YMR256X
Rigid
Flocked Lining
Rubber-Covered

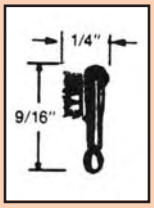


STOCK NO.	Size	UNIT PKG.
104-2123	96″	ONE

Weatherstrip

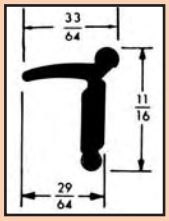
Without Bead*

M8*
Flexible
Pile Lining
Rubber-Covered



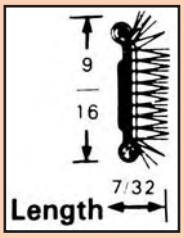
STOCK NO.	Size	UNIT PKG.
104-1016	96″	ONE

YM108X*
Rigid
Rubber-Covered



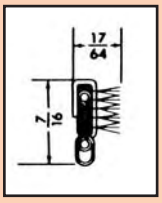
STOCK NO.	Size	UNIT PKG.
104-2086	96″	ONE

M113*
Flexible
Pile Lining
Uncovered



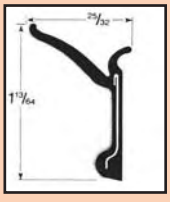
STOCK NO.	Size	UNIT PKG.
104-1026	96″	ONE

M123*
Flexible
Pile Lining
Rubber-Covered



STOCK NO.	Size	UNIT PKG.
104-2125	96″	ONE

MR260X*
Rigid
Flocked Lining
Rubber-Covered



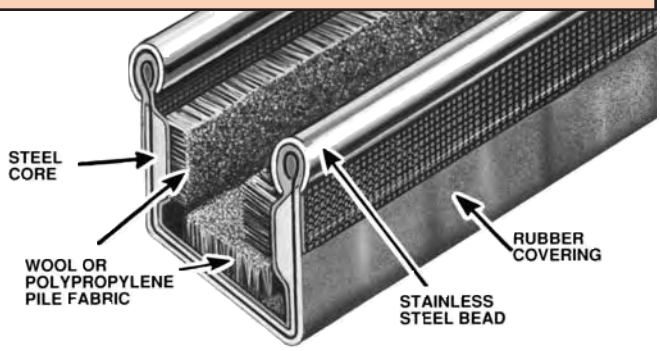
STOCK NO.	Size	UNIT PKG.
104-2124	96″	ONE

Beaded and Unbeaded Channels

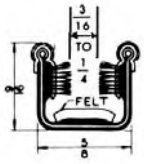
Beaded Channels

Stainless or Galvanized

Stainless or galvanized steel bead provides extra trim and increases side-wall rigidity. Close-packed wool or Polypropylene pile fabric lining gives heavy cushion and weather-tight fit with minimum friction to glass. Extra long life assured by galvanizing or super-thick, rubber-covered steel core. Where used, the rubber-covered steel core gives utmost protection against corrosion, noise and rattles.



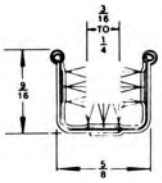
Y526 - Stainless
Flexible
Pile Lining
Rubber-Covered



STOCK NO.	Size	UNIT PKG.
104-2126	60″	ONE

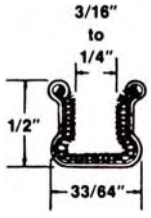
BEST SELLER

Y528-1 - Stainless
Flexible
Pile Lining
Cloth-Covered



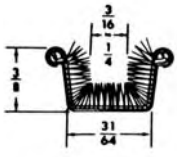
STOCK NO.	Size	UNIT PKG.
103-1014	60″	ONE
103-1015	72″	ONE
103-1016	96″	ONE

Y563-2 - Galvanized
Rigid
Pile Lining
Uncovered



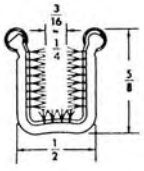
STOCK NO.	Size	UNIT PKG.
103-1046	96″	ONE

Y614 - Stainless
Rigid
Pile Lining
Uncovered



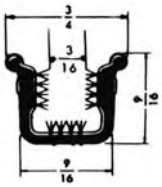
STOCK NO.	Size	UNIT PKG.
103-1065	72″	ONE
103-1066	96″	ONE

Y619P - Stainless
Rigid
Polypropylene
Pile Lining
Uncovered



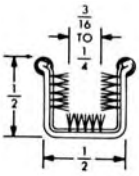
STOCK NO.	Size	UNIT PKG.
104-2127	96″	ONE

Y630P - Stainless
Flexible
Polypropylene
Pile Lining
Rubber-Covered



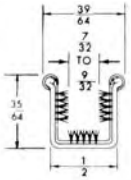
STOCK NO.	Size	UNIT PKG.
104-2128	60″	ONE
103-1026	96″	ONE

Y658X - Stainless
Rigid
Pile Lining
Uncovered



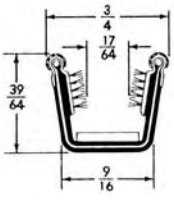
STOCK NO.	Size	UNIT PKG.
104-2129	72″	ONE
103-1116	96″	ONE

Y660X - Stainless
Rigid
Pile Lining
Uncovered



STOCK NO.	Size	UNIT PKG.
104-2130	72″	ONE
104-2131	96″	ONE

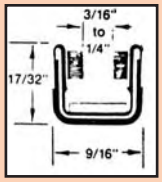
Y691P - Stainless
Flexible
Polypropylene
Pile Lining
Rubber-Covered



STOCK NO.	Size	UNIT PKG.
103-1034	60″	ONE

Unbeaded

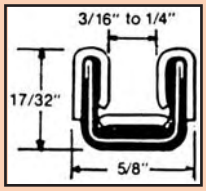
8A2
Flexible
Pile Lining
Rubber-Covered



STOCK NO.	Size	UNIT PKG.
104-2132	60″	ONE
103-2136	96″	ONE

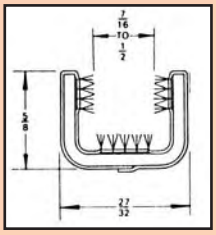
Unbeaded

10A
Flexible
Felt Lining
Rubber-Covered



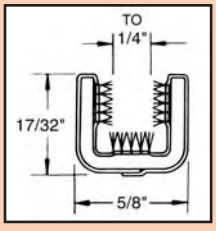
STOCK NO.	Size	UNIT PKG.
103-2155	60″	ONE
103-2156	96″	ONE

10E1
Flexible
Pile Lining
Cloth-Covered



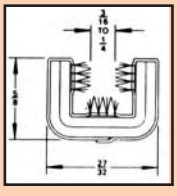
STOCK NO.	Size	UNIT PKG.
103-2164	60″	ONE
103-2165	72″	ONE
103-2166	96″	ONE
103-2167	108″	ONE

10G1
Flexible
Pile Lining
Cloth-Covered



STOCK NO.	Size	UNIT PKG.
103-2174	60″	ONE
103-2175	72″	ONE
103-2176	96″	ONE
103-2177	108″	ONE

10M1
Rigid
Pile Lining
Cloth-Covered



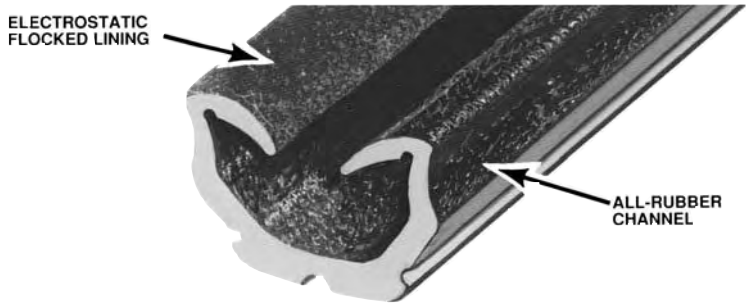
STOCK NO.	Size	UNIT PKG.
103-2194	60″	ONE

Unbeaded Rubber Channels

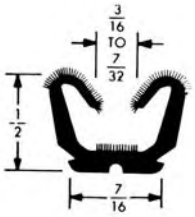
Unbeaded All-Rubber Channels

With Flocked or Coated Linings

Millions of fibers are electrostatically positioned and driven into a polyurethane adhesive on a section made of live rubber and are then cured in place. The resulting channel has a soft, dense lining and provides utmost flexibility, low friction and long life.

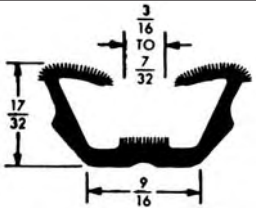


AS1198
Flexible
Flocked Lining
All-Rubber



STOCK NO.	Size	UNIT PKG.
103-3016	96″	ONE

AS1264
Flexible
Flocked Lining
All-Rubber



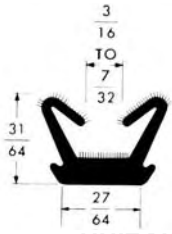
STOCK NO.	Size	UNIT PKG.
104-2139	96″	ONE

AS1268
Flexible
Flocked Lining
All-Rubber



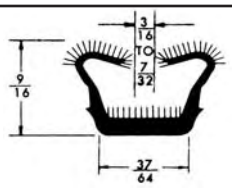
STOCK NO.	Size	UNIT PKG.
103-3026	96″	ONE

AS1307
Flexible
Flocked Lining
All-Rubber



STOCK NO.	Size	UNIT PKG.
104-2140	96″	ONE

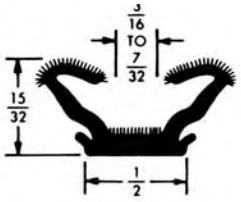
AS1317
Flexible
Flocked Lining
All-Rubber



STOCK NO.	Size	UNIT PKG.
103-3034	60″	ONE

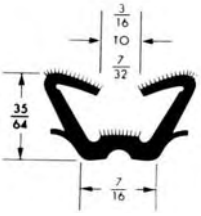
BEST SELLER

AS1340
Flexible
Flocked Lining
All-Rubber



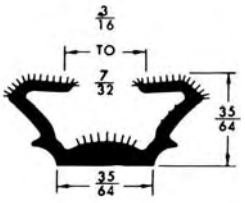
STOCK NO.	Size	UNIT PKG.
103-3076	96″	ONE

AS1369
Flexible
Flocked Lining
All-Rubber



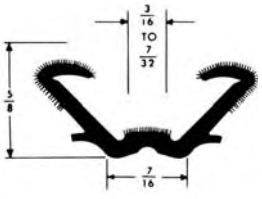
STOCK NO.	Size	UNIT PKG.
103-3065	72″	ONE

AS1395
Flexible
Flocked Lining
All-Rubber



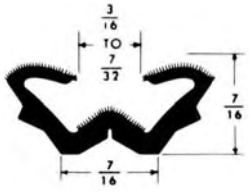
STOCK NO.	Size	UNIT PKG.
103-1395	96″	ONE

AS1466
Flexible
Flocked Lining
All-Rubber



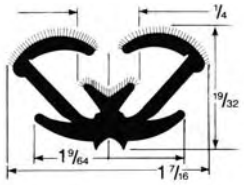
STOCK NO.	Size	UNIT PKG.
103-3086	96″	ONE

AS1528
Flexible
Flocked Lining
All-Rubber



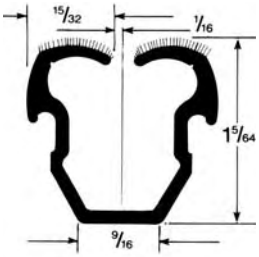
STOCK NO.	Size	UNIT PKG.
104-2143	96″	ONE

AS1720
Flexible
Flocked Lining
All-Rubber



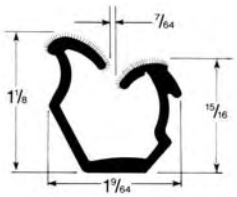
STOCK NO.	Size	UNIT PKG.
104-2144	96″	ONE

AS1779
Flexible
Flocked Lining
All-Rubber



STOCK NO.	Size	UNIT PKG.
104-2145	96″	ONE

AS1799
Flexible
Flocked Lining
All-Rubber



STOCK NO.	Size	UNIT PKG.
104-2146	96″	ONE

Push-On Trim Seal and Channel & Weatherstrip Sample Chains

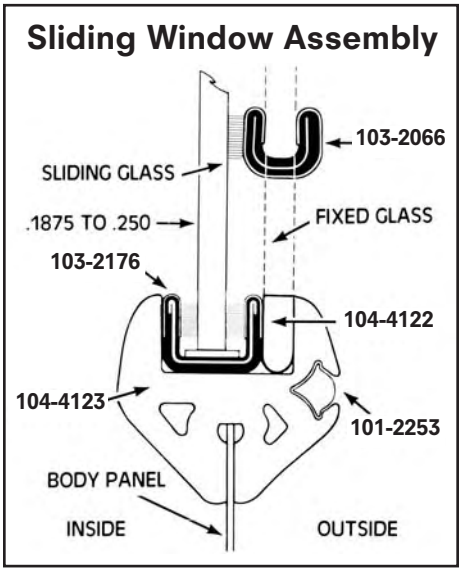


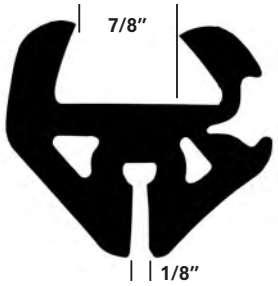
Chains quickly determine the exact style you need. Always accurate - no more guessing.

STOCK NO.	Description	UNIT PKG.
101-2505	Push-On Trim	ONE
103-2500	Channel/Weather	ONE

Sliding Window Sections

For Trailers, Cabs, Vans and RV's



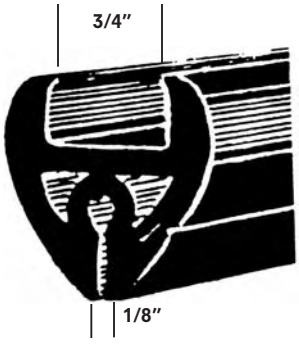


Two Piece Weatherstrip

AS-1656

A	Glass panel thickness	.1875-.250"
B	Body panel thickness	.062-.140"
C	Minimum clearance	.342"
D	Overall width	1.25"
	Minimum bend radius	4.0"
	Weight per foot lb.	.504#
	Locking strip	AS-937, 75000723
	Rubber Compound	EPDM

STOCK NO.	MFR #	UNIT PKG.
104-4123	AS-1656	50' COIL

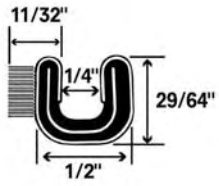


One Piece Self-Sealing Glass Setting Rubber

AS-1532

STOCK NO.	MFR #	UNIT PKG.
104-4121	AS-1532	50' COIL

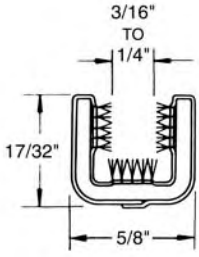
Rigid Channel and Weatherstrip 3K1



The channel is fitted to the edge of the stationary glass. It seals the space between the two glass panels.

STOCK NO.	Length	UNIT PKG.
103-2066	96" (9243.84cm)	ONE

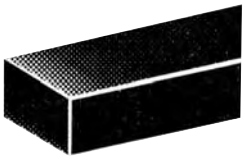
Flexible Pile Line Glass Run Channel 10G



This glass channel is mounted in the glass setting rubber and used for the sliding glass panel. For 3/16" and 1/4" glass.

STOCK NO.	Length	UNIT PKG.
103-2174	60" (152.40cm)	ONE
103-2175	72" (182.88cm)	ONE
103-2176	96" (243.84cm)	ONE
103-2177	108" (274.32cm)	ONE

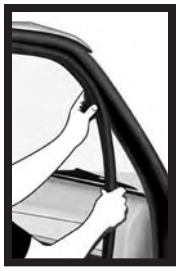
Spacer Rubber



Solid rubber, 1/4" x 1/2", fills the gap beside the glass run channel where there is no stationary glass.

STOCK NO.	Length	UNIT PKG.
104-4122	50' (15.24m)	ONE

Door Seal Weatherstrips



Easy to install, high quality, direct OEM replacement parts. Parts come ready for installation. Seals out wind, dust and the elements. Replace current door seal weatherstrips if worn, cut or if doors leak.

PS = Passenger Side
DS = Driver Side

DODGE PRODUCTS

STOCK NO.	Model/Product Description	Replaces OEM#	MFR #
101-2506	70-97 Fullsize Van DS & PS 2-pc kit	4217552 & 4217553	KD3001
101-2507	84-95 Caravan Front DS & PS 2-pc kit	4520728 & 4520729	KD3002
101-2508	84-95 Caravan Rear Liftgate Seal 1-pc kit	4673403	D3003
101-2509	78-93 Ram Pickup DS & PS 2-pc kit	(2)55023781	KD3004
101-2510	68-96 Jeep CJ's, 5,6,7,8 Scrambler & Wrangler DS & PS 2-pc kit	55176223 & 55176222	KD3006
101-2511	76-86 & 81-83 Jeep CJ's, 5,6,7,8 and Scrambler Tailgate Door Seal 1-pc	J5457112	D3007
101-2512	87-95 Jeep Wrangler Tailgate Door Seal 1-pc	55009742	D3008
101-2513	87-96 Dakota Truck DS & PS 2-pc kit	55256092 & 55256093	KD3010
101-2514	61-71 Fullsize Truck DS & PS 2-pc kit	3729424	KD3011

FORD PRODUCTS

STOCK NO.	Model/Product Description	Replaces OEM#	MFR #
101-2515	67-72 Ford Fullsize Truck DS & PS 2-pc kit	(2)C7TZ8120530B	KF3001
101-2516	73-79 Fullsize Pickup DS & PS 2-pc kit	(2)D3TZ1020530A	KF3002
101-2517	75-91 Fullsize Van DS & PS	(1) F1UZ1520631A (1) E8UZ1520530A	KF3004
101-2518	79-83 Mustang DS & PS 2-pc kit	(2)F3ZZ6120708A	KF3005
101-2519	79-93 Mustang Convertible DS & PS 2-pc kit	(2)F3ZZ6120708	KF3006
101-2520	79-93 Mustang Hatch Back 1-pc	D9ZZ6143720A	F3007
101-2521	79-89 Mustang (Sedan) Trunk Seal 1-pc	D9AZ5443720A	F3008
101-2522	90-93 Mustang (Sedan) Trunk Seal 1-pc	F0ZZ6643720A	F3009
101-2523	86-95 Aerostar DS & PS 2-pc kit	(2)F29Z1120708A	KF3010
101-2524	66-77 Fullsize Bronco Lower DS & PS 2-pc kit	C6TZ9720708A & C6TZ9720709A	KF3014
101-2525	66-77 Fullsize Bronco Upper DS & PS 2-pc kit	C6TZ972221-A& C6TZ972220	KF3016
101-2526	61-66 Fullsize Truck DS & PS 2-pc kit	C1TZ8120531-A& C1TZ8120530-A	KF3018
101-2527	80-97 & 80-96 Fullsize Truck & Bronco Front DS & PS 2-pc kit	(2)F00TZ1520708A	KF3019
101-2528	83-92 & 80-90 Ranger & Bronco II Front DS & PS 2-pc kit	(2)F1TZ1021K81A	KF3020
101-2529	78-96 Fullsize Bronco Tailgate Seal 1-pc	D8TZ9841608A	KF3021

GM PRODUCTS

STOCK NO.	Model/Product Description	Replaces OEM#	MFR #
101-2530	80-90 Caprice 2-door DS & PS 2-pc kit	20047141 & 20047140	KG3001
101-2531	67-72 Chevy/GMC Fullsize Truck with molded corner DS & PS 2-pc kit	391813 & 351814	KG3005
101-2532	60-66 Fullsize Truck DS & PS 2-pc kit	(2)3767156	KG3006
101-2533	73-87 Fullsize Truck DS & PS 2-pc kit	15522765 & 15522764	KG3008
101-2534	88-89 & 92-99 "CK" Pickup, Blazer, Yukon, Tahoe & Suburban Front Door DS & PS 2-pc kit	(2)15956393	KG3009
101-2535	82-94 S-Series DS & PS 2-pc kit	(2)15564648	KG3012
101-2536	80-86 & 82-92 & 83-89 Caprice/Impala, Buick Electra/LaSabre, Olds Custom Cruiser & Cadillac DeVille/Brougham & Pontiac Parisienne/Safari DS & PS 4-dr Front Door **with large Blue Clips** 2-pc kit	20708088	KG3021
101-2537	86-90 & 82-92 &83-89 Caprice/Impala, Buick Electra/LaSabre, Olds Custom Cruiser & Cadillac DeVille/Brougham & Pontiac Parisienne/Safari DS & PS 4-dr Front Door **with small White Clips** 2-pc kit	20000062 & 20000063	KG3023
101-2538	80-90 & 80-92 & 83-89 Caprice/Impala, Buick Electra/LaSabre, Olds Custom Cruiser & Cadillac DeVille/Brougham & Pontiac Parisienne DS & PS 4-dr Rear Door 2-pc kit	20000064 & 20000065	KG3025

Inner and Outer Belt Weatherstrips



High quality direct OEM replacement. Parts come ready for installation. Seals out wind, dust, elements. Eliminates vibration. Replace current belt weatherstrips if worn or if window leaks or rattles.

PS = Passenger Side
DS = Driver Side

DODGE PRODUCTS

STOCK NO.	Model/Product Description	Replaces OEM#	MFR #
101-2539	70-79 Fullsize Van Inner & Outer DS & PS	(4)3899564	KD2001A
101-2540	61-71 Pickup Truck Inner & Outer DS & PS 4-pc kit	N/A	KD2018
101-2541	72-79 Fullsize Truck, Ram Charger, Trail Duster Inner & Outer DS & PS 4-pc Kit & 74-79	(4)3899566	KD2002A
101-2542	80-93 Fullsize Truck Inner & Outer DS & PS 4-pc kit	2-4161679 & 2-4161678	KD2003
101-2543	80-97 Fullsize Van Inner & Outer DS & PS 4-pc kit	(2) 4161674 & (2)4161675	KD2006
101-2544	68-86 87-95 Jeep CJ, Scramble w/Movable Vent & 87-95 Wrangler Inner & Outer DS & PS 4-pc kit	55024255 & 55024254 & J5762385 & J5762384	KD2008
101-2545	68-86 Jeep CJ, Scramble w/Stationary Vent &87-95 Wrangler Inner & Outer DS & PS 4-pc kit	55024255 & 55024254 & (2) J5453833	KD2009
101-2546	97+ Jeep Wrangler (Outer only)DS & PS 2-pc kit	55176565AC & 55176564AC	KD2011

FORD PRODUCTS

STOCK NO.	Model/Product Description	Replaces OEM#	MFR #
101-2547	80-86 Fullsize Truck Inner & Outer DS & PS 4-pc kit	E0TZ1021453A & E0TZ1021452A E0TZ1021457A & E0TZ1021456A	KF2001
101-2548	87-96 Fullsize Truck Inner & Outer DS & PS 4-pc kit	E7TZ1521453A & F2TZ1521452A E7TZ1521457A & F2TZ1521456A	KF2005
101-2549	73-79 Fullsize Truck Inner & Outer DS & PS 4-pc kit	D7TZ1021453A & D3TZ1021452B D7TZ1021457A & D3TZ1021456B	KF2009
101-2550	75-91 Fullsize Van Inner & Outer DS & PS 4-pc kit	E9UZ1521453A & E9UZ1521452A E9UZ1521457A & E9UZ1521456A	KF2015
101-2551	83-92 Ranger (Base Model Without Vent Window Inner & Outer DS & PS 4-pc Kit	E9TZ1021453A & E9TZ1021452A E3TZ1021457A & E3TZ1021456A	KF2020
101-2552	83-92 Ranger (XLT/Explorer) Without Vent Window Inner & Outer DS & PS 4-pc kit	E9TZ1021453A & E9TZ1021452A E9TZ1021457A & E9TZ1021456A	KF2021
101-2553	83-92 Ranger w/Vent Window Inner & Outer DS & PS 4-pc Kit	E3TZ1021453B & E3TZ1021452B E3TZ1021457B & E3TZ1021456B	KF2025
101-2554	66-77 Bronco Inner & Outer DS & PS 4-pc kit	(2)6TZ99721452 & 6TZ99721453A	KF2030
101-2555	67-72 Fullsize Truck Inner & Outer DS & PS 4-pc kit	(2)C7TZ8121453A & (2)C7TZ8121452A	KF2034
101-2556	78-96 Fullsize Bronco Inner & Outer Tailgate 2-pc kit	E8TZ9841610A & F6TZ9842072AA	KF2027

GM PRODUCTS

STOCK NO.	Model/Product Description	Replaces OEM#	MFR #
101-2557	73-91Blazer/Jimmy Tailgate Belt Weatherstrip 2-pc Kit	327006 & 327005	KG2004
101-2558	82-94 S-10 Pickup Inner & Outer KS & PS 4-pc kit	(2)15537940 & 15591436	KG2006
101-2559	80-90 Caprice 4-door Front Door Inner & Outer DS & PS 4-pc Kit	20226443 & 20226442 & 20107159 & 20107158	KG2009
101-2560	71-96 GMC Fullsize Van Inner & Outer DS & PS 4-pc kit	(2)15724981 & (2)15724982	KG2012
101-2561	73-91 Suburban/Crew Cab Side Rear Door Inner & Outer DS & PS 4-pc Kit	140247785 & 14027786 & 14057423 & 14057424	KG2021
101-2562	67-72 Fullsize Truck Inner & Outer DS & PS 4-pc kit	3893783 & 3893784 3893781 & 3893782	KG2026
101-2563	73-80 Fullsize Truck Inner & Outer DS & PS 4-pc kit	470433 & 470434 & 14927775 & 14927776	KG2028
101-2564	81-87 Fullsize Truck Inner & Outer DS & PS 4-pc kit	15569071 & 15569072 14927775 & 14927776	KG2030
101-2565	80-90 Buick LaSabre 4-door Front Door Inner & Outer DS & PS 4-pc kit	20279728 & 20279729 20107270 & 20107271	KG2037
101-2566	88-99+ Fullsize CK Escalade Yukon Tahoe & 92-99+ Suburban Front Door Outer only DS & PS 2-pc kit	15991406 & 15991405	KG2041
101-2567	78-88 Monte Carlo Inner & Outer DS & PS 4-pc kit	20674286 & 20674287 & 20208434	KG2043
101-2568	73-91 Suburban Tailgate (Base Model) Inner & Outer 2-pc kit	349896 & 140499969	KG2044

Belt Weatherstrips & Vent Window Seals



Belt Weatherstrips

PS = Passenger Side
DS = Driver Side

GM PRODUCTS (Continued)

STOCK NO.	Model/Product Description	Replaces OEM#	MFR #
101-2569	87-91 Suburban Tailgate (Sierra/Silverado) Inner & Outer 2-pc kit	349896 & 140499971	KG2045
101-2570	67-72 Suburban Rear Door Inner & Outer DS & PS 4-pc kit	(2)394434 & 3904457 & 3904458	KG2049
101-2571	55-59 Pickup Truck Inner & Outer Ds & PS 4-pc kit	N/A	KG2072
101-2572	60-63 Fullsize Truck Inner & Outer DS PS 4-pc kit	N/A	KG2052
101-2573	64-66 Fullsize Truck Inner & Outer DS & PS 4-pc kit	N/A	KG2054
101-2574	88-99+ F/S CK Escalade Yukon Tahoe & 92-99+ Suburban Rear Outer only DS & PS 2-pc Kit (2)	15991899	KG2069



Vent Window Seals

High quality, direct, OEM replacement parts.
Parts come ready for installation. Seals vent windows and helps to eliminate window rattle.
Replace current vent window seal if worn, if window leaks or as vent window is replaced.

PS = Passenger Side
DS = Driver Side

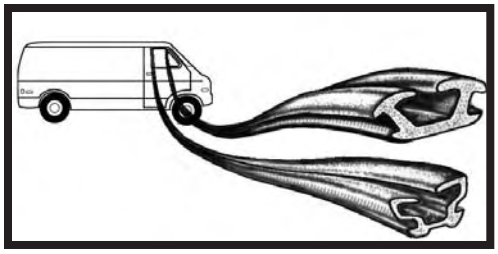
FORD PRODUCTS

STOCK NO.	Model/Product Description	Replaces OEM#	MFR #
101-2575	73-79 Fullsize Truck DS& PS 2-pc kit	D3TZ1021448A & D3TZ1021449A	KF4901
101-2576	80-86 Fullsize Truck 2-pc kit	E0TZ1021448A & E0TZ1021449A	KF4903
101-2577	61-66 Pickup Truck DS & PS 4-pc kit	C1TZ8121449A & (2)C1TZ8121450	KF4907
101-2578	67-72 Pickup Truck DS & PS 2-pc kit	N/A	KF4911
101-2579	66-77 Bronco DS & PS 4-pc kit	C6TZ9721448A C6TZ9721449A & (2)C6TZ9721450A	KF4913

GM PRODUCTS

STOCK NO.	Model/Product Description	Replaces OEM#	MFR #
101-2580	73-80 Fullsize Truck Rear & Front DS & PS 4-pc kit	6271904 & 6271903	KG4903
101-2581	81-91 Fullsize Truck DS & PS 2-pc kit	15661416 & 15661415	KG4907
101-2582	67-72 Pickup Truck Rear & Front DS & PS 4-pc kit (Vertical OEM N/A)	3925966 & 3925965	KG4901
101-2580	73-80 Fullsize Suburban Rear & Front DS & PS 4-pc kit	6271904 & 6271903 6271905 & 6271906	KG4903
101-2581	81-91 Fullsize Suburban DS & PS 2-pc kit	15661416 & 15661415	KG4907
101-2582	67-72 Fullsize Suburban Rear & Front DS & PS 4-pc kit (Vertical OEM N/A)	3925966 & 3925965	KG4901
101-2580	73-80 Blazer Rear & Front DS & PS 4-pc kit	6271904 & 6271903 6271905 & 6271906	KG4903
101-2581	81-91 Blazer Rear & Front DS & PS 2-pc kit	15661416 & 15661415	KG4907
101-2582	67-72 Blazer Rear & Front DS & PS 4-pc kit (Vertical OEM N/A)	392566 & 3925965	KG4901

Window Channels



High quality, direct, OEM replacement.
Parts come ready for installation.
Seals out the elements, eliminates vibration.
It's time to replace current channels if worn or if window leaks or rattles.

PS = Passenger Side
DS = Driver Side

DODGE PRODUCTS

STOCK NO.	Model/Product Description	Replaces OEM#	MFR #
101-2585	61-71 Pickup Truck Upper & Front Run DS & PS 4-pc kit	(2) 1782965 & (2) 2223035	KD1014
101-2586	72-93 Fullsize Pickup, Ram Charger & Trailduster DS & PS 4-pc kit	(2) 4354047 & (2) 4083831	KD1002
101-2587	70-93 Plymouth Fullsize Van Upper & Front Run DS & PS 4-pc kit	(2) 4082007 & (2) 4082009	KD1004
101-2588	84-90 Caravan DS & PS 2-pc kit	4475298 & 4475299	KD1006
101-2589	87-96 Dakota Window Channel DS & PS 2-pc kit	55074937 & 55074936	KD1008
101-2590	68-86 Jeep CJ, Scrambler w/Stationary Vent Upper & Front Run Window Channel DS & PS 4-pc kit	(2) J5457057 & (2) J5454164	KD1009A
101-2591	68-86 & 87-96 Jeep CJ, Scrambler w/Movable Vent & Wrangler Upper & Front Run Window Channel DS & PS 4-pc kit	(2) J5457057 & (2) J8134851	KD1010A
101-2592	97+ Jeep Wrangler Window Channel Complete Run DS & PS 2-pc kit	(2) 55175226AB	KD1012

FORD PRODUCTS

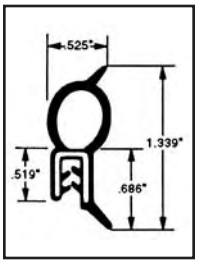
STOCK NO.	Model/Product Description	Replaces OEM#	MFR #
101-2593	80-96 Fullsize Truck Complete Run DS & PS 2-pc kit	(2)E9 or F0 or F5 TZ1521536A	KF1002A
101-2594	67-72 Fullsize Truck Upper & Front Run DS & PS 4-pc kit	(2) D0HZ8021508A (2) D7TZ8121546A	KF1003A
101-2595	73-79 Fullsize Truck Upper & Front Run DS & PS 4-pc kit	(2) D3TZ1021546A & (2)D8TZ10211536A	KF1005B
101-2596	83-92 Ranger/Bronco II With Vent DS & PS 2-pc kit	E7TZ1021536A	KF1007A
101-2597	83-92 Ranger/Bronco II Without Vent DS & PS 2-pc kit	(2)F1TZ10201K81A	KF1008A
101-2598	66-77 Fullsize Bronco Upper Run only DS & PS 4-pc kit	(2)C6TZ9721596A & 1450A	KF1009
101-2599	84 1/2-91 Fullsize Van DS & PS 2-pc kit	(2)F1UZ1521546B	KF1010
101-2600	81-84 Fullsize Van (7/32" Glass) Upper & Front Run DS & PS 4-pc kit.	(2)D5UZ1121550B D5UZ1121546B	KF1011A
101-2601	75-80 Fullsize Van (5/32" Glass) Upper & Front Run DS & PS 4-pc kit.	(2)5UZ1121550B & (2)D5UZ1121546A	KF1013A
101-2602	86-95 Aerostar DS & PS 2-pc kit	E69Z1121547A & E69Z1121547B	KF1014A
101-2603	83-93 Mustang DS & PS 2-pc kit	E9ZZ6121596A & E9ZZ6121597A	KF1016A
101-2604	61-66 Fullsize Truck Upper Run DS & PS 2-pc kit	N/A	KF1018A
101-2605	80-96 Ford Fullsize Bronco Tailgate Window Channel 1-pc	N/A	F1019

GM PRODUCTS

STOCK NO.	Model/Product Description	Replaces OEM#	MFR #
101-2606	83-94 & 82-93 S-10/S-15 Jimmy Blazer/Bravada & Sonoma Pickup Complete Run DS & PS 2-pc kit	1590867 & 1590868	KG1002
101-2607	75-94 Fullsize Van DS & PS 2-pc kit	(2)14028235	KG1003
101-2608	64-66 Fullsize Truck DS & PS 2-pc kit	N/A	KG1005
101-2609	67-72 Fullsize Truck DS & PS 2pc kit	L293 or 3893719 & L292R or 3936803	KG1006
101-2610	73-87 Fullsize Truck DS & PS 2-pc kit	14027778 & 14027777	KG1009A
101-2611	80-90 Caprice Front Door DS & PS 2-pc kit	20666685 & 20666684	KG1011
101-2612	76-91 Blazer Tailgate Window Channel 1-pc	35895593	G1012

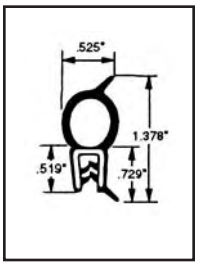
Push-On Trim Seals

Push-On Trim Seals Are a Fast, Easy Way to Weatherstrip and Trim Vehicle Doors and Windows. Simply Push Over the Raw Edges and Flanges.



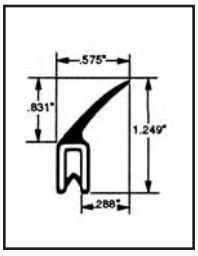
Material: BZ
Grips Flange Thickness: .060 - .079
MFR # 75001609

UNIT PKG: ONE 82' ROLL
STOCK NO. 200-1007



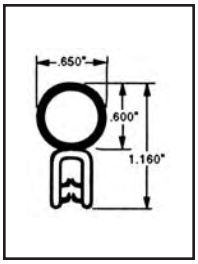
Material: BZ
Grips Flange Thickness: .060 - .079
MFR # 75001611

UNIT PKG: ONE 82' ROLL
STOCK NO. 200-1008



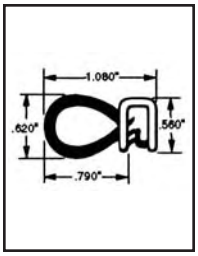
Material: BZ
Grips Flange Thickness: .079 - .099
MFR # 75001612

UNIT PKG: ONE 82' ROLL
STOCK NO. 200-1009



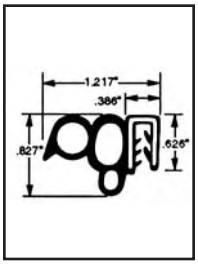
Material: RS
Grips Flange Thickness: .040 - .070
MFR # 75001359

UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1011



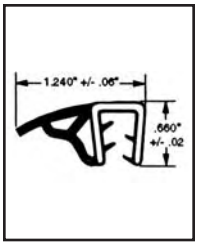
Material: RS
Grips Flange Thickness: .040 - .070
MFR # 75001362

UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1038



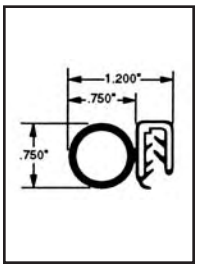
Material: BZ
Grips Flange Thickness: .071 - .111
MFR # 75001614

UNIT PKG: ONE 82' ROLL
STOCK NO. 200-1010



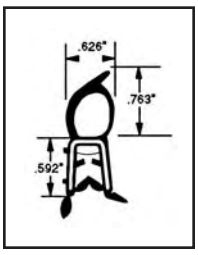
Material: RS
Grips Flange Thickness: .125 - .250
MFR # 75000892

UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1035



Material: RS
Grips Flange Thickness: .110 - .130
MFR # 75001616

UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1041



Material: RS
Grips Flange Thickness: .082 - .200
MFR # 75001808

UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1044

Material: RS
Grips Flange Thickness: .065 - .095
MFR # 75001360

UNIT PKG: ONE 25' Roll
STOCK NO. 200-1031

Material: RS
Grips Flange Thickness: .090 - .120
MFR # 75001361

UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1034

Material: RS
Grips Flange Thickness: .065 - .095
MFR # 75001363

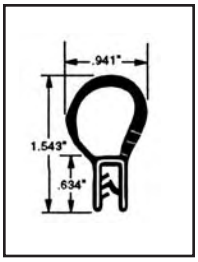
UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1039

Material: RS
Grips Flange Thickness: .090 - .120
MFR # 75001364

UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1040

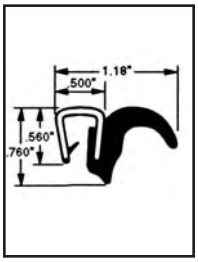
BZ materials are dual durometer EPDM rubber with flexible steel core.
RS materials are dual durometer sponge and solid rubber with flexible wire core.

Push-On Trim Seals



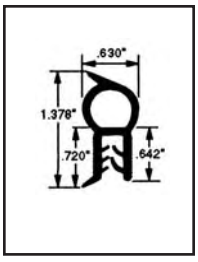
Material: RS
Flange Thickness: .039 - .118
MFR # 75001812

UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1045



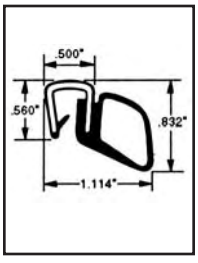
Material: ST
Flange Thickness: .060 - .140
MFR # 7500350

UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1053



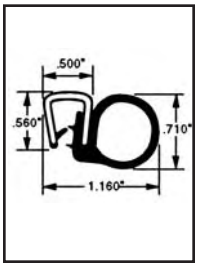
Material: RS
Flange Thickness: .051 - .129
MFR # 75001820

UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1046



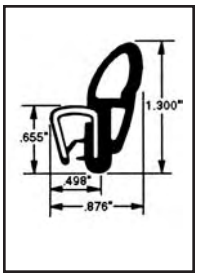
Material: ST
Flange Thickness: .060 - .140
MFR # 75000354

UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1054



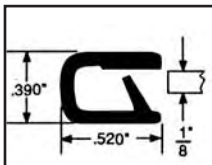
Material: ST
Flange Thickness: .060 - .140
MFR # 75000351

UNIT PKG: ONE 25' ROLL
STOCK NO. 200-0351

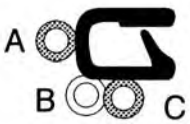


Material: ST
Flange Thickness: .160 - .140
MFR # 75000352

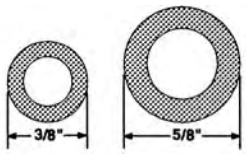
UNIT PKG: ONE 25' ROLL
STOCK NO. 200-1055



Grip Range
.090 - .190

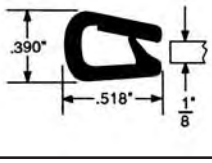


Bulb Location

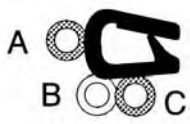


Bulb Size

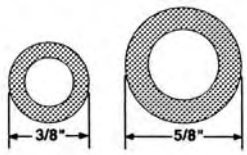
STOCK NO.	Material	Flange Thickness	Bulb Size	Bulb Location	MFR #	UNIT PKG.
200-1047	ST	.090 - .190	3/8"	C	75001824	25' ROLL



Grip Range
.060 - .170



Bulb Location



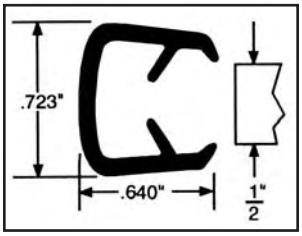
Bulb Size

STOCK NO.	Material	Flange Thickness	Bulb Size	Bulb Location	MFR #	UNIT PKG.
200-2255	ST	.060 - .170	3/8"	A	75001828	25' ROLL
200-1048	ST	.060 - .170	3/8"	B	75001829	25' ROLL
200-1051	ST	.060 - .170	3/8"	C	75001830	25' ROLL

BZ materials are dual durometer EPDM rubber with flexible steel core.
RS materials are dual durometer sponge and solid rubber with flexible wire core.
ST materials are vinyl and sponge rubber with flexible segmented steel core.

Decorative Protective Trim

Simply Push On Over Exposed Edge of Glass, Mirror, Metal, Fiberglass, Plastic or Wood. Positive Gripping Power Locks Trim in Place.

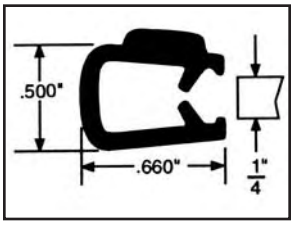


1/2" Trim

For 3/8" to 1/2" edges. Grips edges from .250" to .500" thick.

1/2" TRIM BLACK SOF-TONE

STOCK NO.	MFR #	UNIT PKG.
101-2613	75000349	50' ROLL

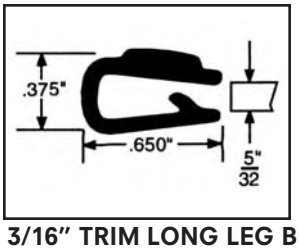


1/4" Chrome Pad Trim

For 3/16" to 1/4" edges. Grips edges from .150" to .300" thick.

1/4" TRIM BLACK SOF-TONE CHROME PAD

STOCK NO.	MFR #	UNIT PKG.
101-2614	75000702	200' ROLL



3/16" Decorative Long Leg Trim

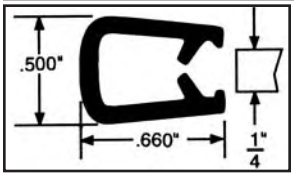
For 1/8" to 3/16" edges. Grips edges from .085" to .210" thick.

3/16" TRIM LONG LEG BLACK SOF-TONE CHROME PAD

STOCK NO.	MFR #	UNIT PKG.
101-2615	75000363	300' ROLL

3/16" TRIM LONG LEG BLACK SOF-TONE GOLD PAD

STOCK NO.	MFR #	UNIT PKG.
101-2616	75000114	300' ROLL

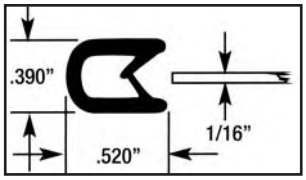


1/4" "Q" Trim

For 3/16" to 1/4" edges. Grips edges from .135" to .250" thick.

1/4" "Q" TRIM BLACK SOF-TONE

STOCK NO.	MFR #	UNIT PKG.
101-2617	75000343	50' ROLL

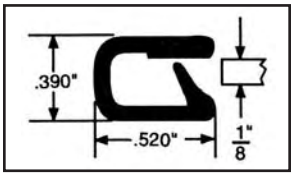


1/8" Standard Double Lip Trim

For 1/32" to 1/8" edges. Grips edges from .032" to .125" thick.

1/8" TRIM DOUBLE LIP BLACK SOF-TONE

STOCK NO.	MFR #	UNIT PKG.
104-8020	75000317	100' ROLL



3/16" Standard Single Lip Trim

For 1/8" to 3/16" edges. Grips edges from .090" to .190" thick.

3/16" TRIM SINGLE LIP SOF-BLACK

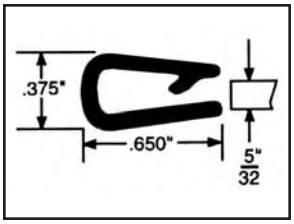
STOCK NO.	MFR #	UNIT PKG.
101-2618	75000708	100' ROLL

3/16" TRIM SINGLE LIP SAFETY ORANGE

STOCK NO.	MFR #	UNIT PKG.
101-2619	75000332	100' ROLL

3/16" TRIM SINGLE LIP SAFETY YELLOW

STOCK NO.	MFR #	UNIT PKG.
101-2620	75000333	100' ROLL

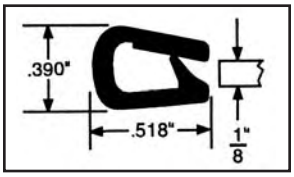


3/16" Long Leg Single Lip Trim

For 1/8" to 3/16" edges. Grips edges from .085" to .210" thick.

3/16" TRIM LONG LEG SOF-BLACK

STOCK NO.	MFR #	UNIT PKG.
101-2621	75000339	100' ROLL

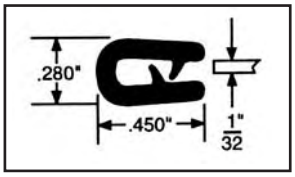


1/8" Pinch Top Single Lip Trim

For 1/8" edges. Grips edges from .060" to .170" thick.

1/8" TRIM SINGLE LIP BLACK BASKET WEAVE

STOCK NO.	MFR #	UNIT PKG.
101-2622	75000336	100' ROLL

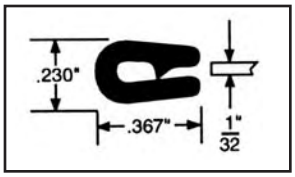


1/32" Minitrim

For 1/32" edges. Grips edges from .010" to .050" thick.

1/32" TRIM MINITRIM SOF-BLACK

STOCK NO.	MFR #	UNIT PKG.
104-8029	75000341	100' ROLL



1/32" Mini "Minitrim"

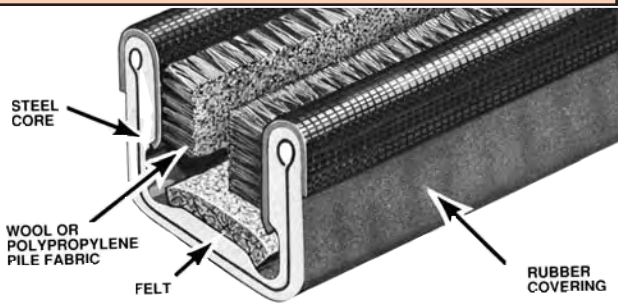
For 1/32" edges. Grips edges from .010" to .030" thick.

1/32" TRIM MINI MINITRIM SOF-BLACK

STOCK NO.	MFR #	UNIT PKG.
101-2623	75001581	100' ROLL

Unbeaded Channels

With Steel Core

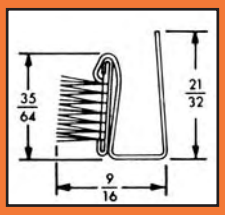


Rubber covering, where used, gives long-life protection against corrosion, noise and rattles. Inside lining whether it be wool or polypropylene pile, felt or special fabrics, is tightly woven for maximum glass cushion. Colors won't fade. Flexible steel core, whether perforated or corrugated, forms easily and quickly for a perfect fit to any contour without pulling or stretching.

• FLEXIBLE • FELT LINED • RUBBER COATED • PILE LINED

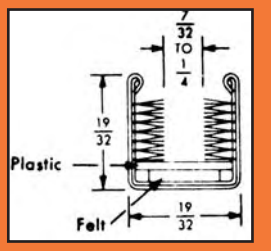
Marine Channel Stainless

16M
Rigid
Pile Lining
Uncovered



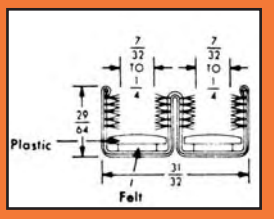
STOCK NO.	Size	UNIT PKG.
103-4016	96″	ONE

Y582
Rigid
Polypropylene
Pile Lining
Uncovered



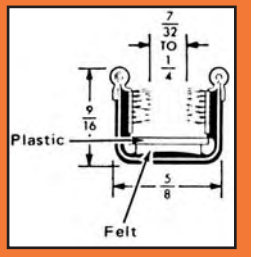
STOCK NO.	Size	UNIT PKG.
103-4026	96″	ONE

Y583
Rigid
Polypropylene
Pile Lining
Uncovered



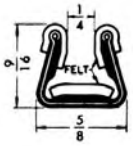
STOCK NO.	Size	UNIT PKG.
103-4046	96″	ONE

Y577
Flexible
Polypropylene
Pile Lining
Rubber-Covered



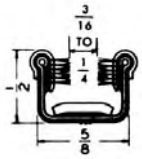
STOCK NO.	Size	UNIT PKG.
103-4048	96″	ONE

2C
Flexible
Felt Lining
Rubber-Covered



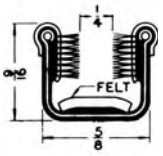
STOCK NO.	Size	UNIT PKG.
104-2134	60″	ONE
103-2026	96″	ONE

3A1
Flexible
Pile Lining
Rubber-Covered



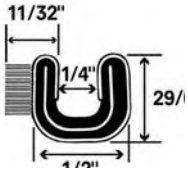
STOCK NO.	Size	UNIT PKG.
104-2135	96″	ONE

3C1
Flexible
Pile Lining
Rubber-Covered



STOCK NO.	Size	UNIT PKG.
104-2136	60″	ONE
103-2036	96″	ONE

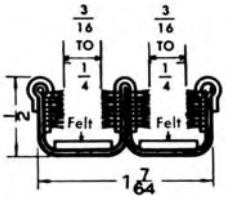
3K1
Rigid
Pile Lining
Rubber-Covered



STOCK NO.	Size	UNIT PKG.
103-2066	96″	ONE

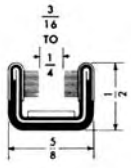
BEST SELLER

3J4
Flexible
Pile Lining
Rubber-Covered



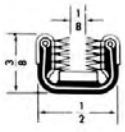
STOCK NO.	Size	UNIT PKG.
103-2056	96″	ONE

8A1
Flexible
Pile Lining
Rubber-Covered



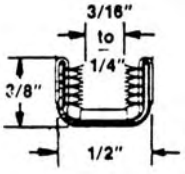
STOCK NO.	Size	UNIT PKG.
104-2138	60″	ONE
103-2126	96″	ONE

5P
Flexible
Pile Lining
Rubber-Covered



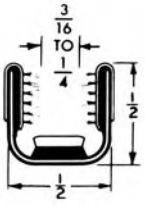
STOCK NO.	Size	UNIT PKG.
103-2076	96″	ONE

5R
Rigid
Pile Lining
Rubber-Covered



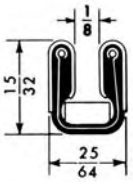
STOCK NO.	Size	UNIT PKG.
103-2086	96″	ONE

5V
Rigid
Pile Lining
Rubber-Covered



STOCK NO.	Size	UNIT PKG.
103-2093	36″	ONE
103-2072	72″	ONE
103-2096	96″	ONE

5Y1
Rigid
Rubber Imp. Lining
Rubber-Covered



STOCK NO.	Size	UNIT PKG.
104-2137	96″	ONE

FlexiTrim™ Universal Reveal Mouldings



Featuring . . .

- **OE Quality Material for a Original Appearance**
- **Reduce Vehicle-Specific Moulding Inventory**
- **Patented Non-Metallic Stabilizer Maintains Length and Flexibility**
- **Will Not Crack, Fade, Discolor or Shrink**

FlexiTrim

STOCK NO.	Description	Length	UNIT PKG.
200-1630	Universal Moulding	5/8″ x 100′	ONE ROLL
200-1640	Moulding w/BriteFlex	5/8″ x 75′	ONE ROLL
200-1650	Moulding w/Feature Line	5/8″ x 100′	ONE ROLL
200-2030	Universal Moulding	3/4″ x 100′	ONE ROLL

FlexLine® Universal Reveal Mouldings

Not Affiliated with FlexiTrim

Featuring . . .

• **Maximum Durability -** Mouldings are manufactured using the best raw materials that allow the product to resist UV deterioration.

• **No Stretching or Shrinkage -** FlexLine Mouldings are extruded with a metal filament to prevent stretching and shrinkage.

• **Ease of Installation -** Each part is carefully tooled and produced with a quality appearance in finish and color. Gloss finish simulates OEM appearance.



FlexLine

STOCK NO.	Description	Size	UNIT PKG.
200-1530	Universal Moulding	5/8″ x 100′	ONE ROLL
200-1531	Universal Moulding	3/4″ x 75′	ONE ROLL
200-1537	Universal Moulding	1″ x 75′	ONE ROLL
200-1550	Moulding w/Feature Line	5/8″ x 100′	ONE ROLL
200-1535	Moulding w/Feature Line	3/4″ x 75′	ONE ROLL
200-1536	Moulding w/Feature Line	1″ x 75′	ONE ROLL

Automotive Mouldings

REDUCE INVENTORY WITH UNIVERSAL MOULDINGS
FOUR MOULDINGS EQUAL OVER FOUR HUNDRED APPLICATIONS

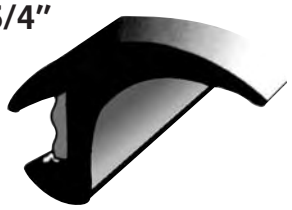
5/8"



The narrowest channel moulding. It has the same width as the majority of windshield and back glass mouldings.

STOCK NO.	Description	Mfg. No.	UNIT PKG:
108-2395	With Butyl	T-105B	ONE 75' ROLL
108-2385	Without Butyl	T-105	ONE 75' ROLL

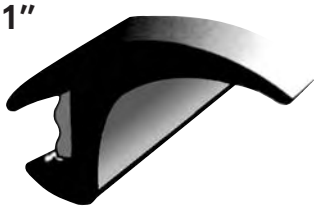
3/4"



One of the most popular channel mouldings. Covers old paint lines.

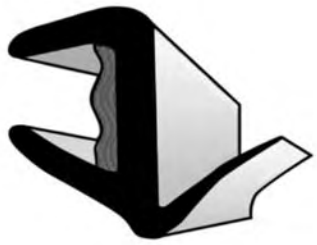
STOCK NO.	Description	Mfg. No.	UNIT PKG:
108-2397	With Butyl	T-107B	ONE 75' ROLL
108-2387	Without Butyl	T-107	ONE 75' ROLL

1"



A one inch moulding that holds its shape.

STOCK NO.	Description	Mfg. No.	UNIT PKG:
108-2398	With Butyl	T-108B	ONE 75' ROLL
108-2388	Without Butyl	T-108	ONE 75' ROLL





WILL FIT '96-'01 DODGE CARAVANS

Quickly becoming one of the most popular styles for today's newest vehicles. This moulding is a vinyl product and is plastic wrapped for added protection.

STOCK NO.	Description	Mfg. No.	UNIT PKG.
108-2378	With Butyl	T-100B	ONE 120' ROLL

FEATURES

STOCK NUMBERS 108-2395, 108-2397, 108-2398 & 108-2399 ARE RUBBER, PROVIDING MANY ADVANTAGES:

- They never freeze (heat guns are not needed).
- They do not shrink or discolor over time.
- They always lay flush against the vehicle. This includes the 1-1/4" version.
- Since they "bite" down on the glass, they will fit both thick windshields and thin tempered parts.
- They NEVER crimp going around corners.

THE WIDEST MOULDING AVAILABLE

1-1/4"

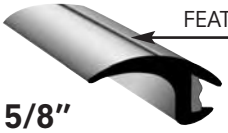




WILL FIT '80-'95 CHEVY AND GMC VANS

STOCK NO.	Description	Mfg. No	UNIT PKG:
108-2399	Cavity Moulding with Butyl	T-109B	ONE 65' ROLL

FEATURE LINE MOULDINGS



5/8"

108-2396



3/4"

108-2394

A NEW CHROME SURFACE MOULDING



3/4"

108-2389

STOCK NO.	Description	Mfg. No.	UNIT PKG
108-2396	Feature Line	T-105BLF	ONE 75' ROLL
108-2394	Feature Line	T-107BFL	ONE 75' ROLL
108-2389	Chrome Surface	T-120	ONE 75' ROLL

Universal Mouldings Application Chart

DOMESTIC

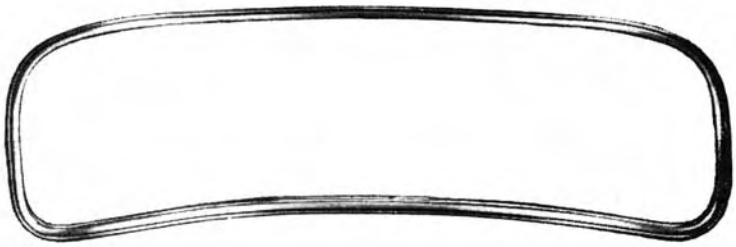
	WS	BG
BUICK		
97-01 CENTURY 4 DR	108-2398	
82-96 CENTURY 2 & 4 DR	108-2398	108-2397
82-96 CENTURY WAGON	108-2398	
85-90 ELECTRA		108-2397
00-01 LESABRE	108-2398	
86-91 LESABRE		108-2397
85-90 PARK AVENUE		108-2397
88-01 REGAL	108-2398	
95-99 RIVIERA	108-2398	
89-93 RIVIERA	108-2397	
79-88 RIVIERA	108-2395	
91-96 ROADMASTER	108-2398	
82-89 SKYHAWK	108-2397	108-2395
82-89 SKYHAWK WAGON	108-2397	
86-91 SKYLARK	108-2397	108-2395
92-99 SKYLARK	108-2397	
85-87 SOMERSET REGAL	108-2397	108-2395
CADILLAC		
97-01 CATERA	108-2399	
82-88 CIMARRON	108-2395	108-2395
85-93 DEVILLE SEDAN & COUPE	108-2397	108-2397
94-99 DEVILLE	108-2399	
79-88 ELDORADO	108-2395	
89-91 ELDORADO	108-2397	108-2397
85-93 FLEETWOOD FWD	108-2397	108-2397
93-96 FLEETWOOD RWD	108-2398	
80-88 SEVILLE	108-2395	108-2395
89-91 SEVILLE	108-2397	108-2397
CHEVROLET		
89-96 BERETTA	108-2395	
82-92 CAMARO	108-2398	
91-96 CAPRICE & WAGON	108-2398	
94-96 IMPALA & SS	108-2398	
82-94 CAVILIAR & WAGON	108-2397	108-2395
95-01 CAVILIAR 4 DR		108-2378
89-94 CAVILIAR CONVERTIBLE	108-2395	
82-94 CELEBRITY & WAGON	108-2398	108-2397
87-96 CORSICA	108-2395	108-2395
89-01 LUMINA	108-2397	
97-01 MALIBU	108-2378	108-2378
95-01 MONTE CARLO	108-2397	
98-01 PRISM	108-2378	108-2378
CHEVROLET TRUCKS		
85-96 ASTRO VANS	108-2397	
90-96 LUMINA APV MINIVAN	108-2398	
83-01 S-10 BLAZER 2 & 4 DR	108-2398	
83-01 S-10 PICK-UP	108-2398	
90-01 TRACKER 2 & 4 DR	108-2395	
80-95 VAN FULL-SIZE	108-2399	
CHRYSLER		
98-01 300	108-2378	
95-00 CIRRUS	108-2378	
98-00 CONCORDE	108-2378	
93-97 CONCORDE	108-2398	108-2398
00-01 GRAND VOYAGER & VOY.	108-2378	
90-93 IMPERIAL		108-2395
93-97 INTREPID	108-2398	108-2398
98-01 INTREPID	108-2378	
84-96 LASER		108-2397
85-89 LEBARON & GTS	108-2395	108-2395
94-97 LHS & NEW YORKER	108-2398	108-2397
98-00 LHS	108-2378	
88-93 NEW YORKER		108-2395
84-95 TOWN & COUNTRY MINIV.	108-2398	108-2398
96-01 TOWN & COUNTRY	108-2378	
DODGE		
95-01 AVENGER	108-2398	108-2398
86-96 COLT & WAGON	108-2397	
84-92 COLT VISTA	108-2398	108-2378
84-93 DAYTONA		108-2397
88-93 DYNASTY		108-2395
85-89 LANCER	108-2395	108-2395
90-92 MONACO	108-2397	108-2398
85-99 NEON	108-2398	
00-01 NEON	108-2397	
98-01 INTREPID	108-2378	
93-97 INTREPID	108-2398	108-2397
87-94 SHADOW & CONVERTIBLE	108-2395	
89-95 SPIRIT	108-2395	
91-96 STEALTH	108-2397	
95-01 STRATUS	108-2378	108-2397
92-01 VIPER & CONVERTIBLE	108-2397	
DODGE TRUCKS		
84-95 CARAVAN	108-2398	108-2398
86-96 DAKOTA PICK-UP & CONV.	108-2397	
97-01 DAKOTA PICK-UP	108-2397	
98-01 DURANGO	108-2397	
96-01 GRAND CARAVAN & CVAN	108-2378	
94-01 VAN FULL SIZE	108-2398	
EAGLE		
88-89 MEDALLION	108-2397	
88-92 PREMIER	108-2397	108-2398
93-96 SUMMIT 2 & 4 DR	108-2397	
91-92 SUMMIT 2 DR HATCHBACK	108-2398	
92-96 SUMMIT 3 DR WAGON	108-2397	
90-94 TALON	108-2397	
95-98 TALON	108-2378	108-2398
93-97 VISION	108-2398	108-2397
FORD		
94-97 ASPIRE	108-2397	
95-01 CONTOUR	108-2398	
91-97 ESCORT & WAGON	108-2397	
98-01 ESCORT	108-2398	108-2398
97-01 ESCORT WAGON	108-2398	
00-01 FOCUS	108-2378	108-2378
94-01 MUSTANG	108-2397	108-2395
88-97 PROBE	108-2398	
86-95 TAURUS & WAGON	108-2398	108-2398
96-01 TAURUS & WAGON	108-2398	
FORD TRUCKS		
86-97 AEROSTAR MINIVAN	108-2397	
92-01 ECONOLINE VAN FULLSIZE	108-2398	
00-01 EXCURSION	108-2398	
97-01 EXPEDITION	108-2399	
91-01 EXPLORER	108-2398	
99-01 FULLSIZE PICK-UP F250-350	108-2398	
95-98 WINDSTAR	108-2398	108-2397
99-01 WINDSTAR	108-2398	
GMC		
98-01 ENVOY	108-2398	
83-01 JIMMY 2 & 4 DR	108-2398	
86-96 SAFARI	108-2397	
83-94 SONOMA/S-15 PICK-UP	108-2398	
80-96 VAN FULLSIZE	108-2399	
JEEP		
93-01 GRAND CHEROKEE	108-2398	
87-01 WRANGLER	108-2398	
LINCOLN		
95-01 CONTINENTAL		108-2398
98-01 NAVIGATOR	108-2399	
MERCURY		
99-01 COUGAR	108-2395	108-2395
97-01 MOUNTAINEER	108-2398	
95-01 MYSTIQUE	108-2398	
86-01 SABLE & WAGON	108-2398	
91-99 TRACER & WAGON	108-2398	
93-99 VILLAGER	108-2398	108-2397
00-01 VILLAGER	108-2398	108-2378
OLDSMOBILE		
92-98 ACHIEVA 2 & 4 DR	108-2397	
99-01 ALERO 2 & 4 DR	108-2399	
91-01 BRAVADA	108-2398	
85-91 CALAIS	108-2397	108-2397
91-92 CUSTOM CRUISER WAGON	108-2398	
97-01 CUTLASS 4 DR	108-2378	108-2378
82-96 CUTLASS CIERA & WAGON	108-2398	108-2397
89-97 CUTLASS SUPREME	108-2397	
86-91 DELTA 88 4 DR		108-2397
98-01 INTRIGUE	108-2398	108-2398
86-90 NINETY EIGHT		108-2397
90-96 SILHOUETTE	108-2398	
79-88 TORONADO	108-2395	
89-92 TORONADO	108-2398	
PLYMOUTH		
90-95 ACCLAIM	108-2395	108-2395
96-01 BREEZE	108-2378	108-2397
96-01 GRAND VOYAGER & VOY.	108-2378	
90-94 LASER	108-2397	
95-99 NEON	108-2398	
00-01 NEON	108-2397	
97-01 PROWLER	108-2398	
87-94 SUNDANCE	108-2395	
84-95 VOYAGER	108-2398	108-2398
PONTIAC		
82-91 6000 & WAGON	108-2398	108-2398
97-91 BONNEVILLE		108-2397
84-88 FIERO	108-2395	
82-92 FIREBIRD	108-2398	
TRANS-AM & CONV.		
85-91 GRAND AM	108-2397	108-2397
92-98 GRAND AM	108-2397	
88-96 GRAND PRIX 2 DR	108-2397	108-2397
88-96 GRAND PRIX 4 DR	108-2397	
97-01 GRAND PRIX 2 & 4 DR	108-2398	108-2398
82-84 J2000 & CONVERTIBLE	108-2395	108-2395
88-93 LEMANS	108-2395	108-2395
85-94 SUNBIRD, WAGON & CONV.	108-2395	108-2395
95-01 SUNFIRE 4 DR		108-2378
87-92 T-1000	108-2397	108-2395
90-96 TRANSPORT	108-2398	
SATURN		
00-01 LS 4 DR	108-2397	
00-01 LW WAGON	108-2397	
96-01 SC1 & SC2	108-2397	
96-99 SW1 & 96-01 SW2	108-2397	

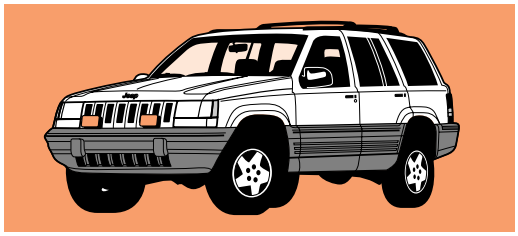
FOREIGN

	WS	BG
ACURA		
86-92 INTEGRA	108-2395	
97-01 CL 2 DR		108-2397
97-01 EL 4DR		108-2397
96-01 TL 4 DR		108-2397
96-01 SLX SUV	108-2398	
AUDI		
96-01 A-4	108-2378	108-2378
98-01 A-4 & WAGON	108-2378	108-2378
95-97 A-6 & WAGON	108-2378	108-2378
92-97 A-6 QUATTRO & WAGON	108-2378	108-2378
00-01 S-4	108-2378	108-2378
89-94 V-8 & QUATTRO	108-2378	108-2378
88-92 80	108-2378	108-2378
88-95 90	108-2378	108-2378
84-88 5000 & WAGON	108-2378	108-2378
BMW		
98-01 M-ROADSTER	108-2397	
96-01 Z3 ROADSTER	108-2397	
94-97 318 2 DR & CONV. & 4 DR	108-2397	
98-99 323 2 DR & CONV.	108-2397	
92-95 325 2 DR & CONV. & 4 DR	108-2397	
96-99 328 2 DR & CONV. & 4 DR	108-2397	
95-99 M-3 2 DR & CONV. & 4 DR	108-2397	
CHEVROLET		
85-88 SPRINT	108-2395	
DAEWOO		
98-01 LANDS 2 & 4 DR	108-2395	108-2378
98-01 LEGANZA	108-2395	108-2378
98-99 NUBIRA 4 DR HATCH & WG	108-2395	108-2378
DAIHATSU		
90-92 CHARADE 2 DR HATCH	108-2395	
90-92 CHARADE 4 DR	108-2395	
GEO		
95-97 METRO 4 DR		108-2395
89-92 PRISM 4 DR		108-2395
93-97 PRISM 2 & 4 DR	108-2398	108-2397
98-01 PRISM	108-2378	108-2378
90-93 STORM 2 DR CPE & HATCH	108-2397	
85-89 SPECTRUM	108-2395	
88-97 TRACKER	108-2395	
HONDA		
94-97 ACCORD		108-2397
97-01 CRV	108-2378	
96-98 CIVIC 2 DR	108-2398	108-2397
96-01 CIVIC 2 & 4 DR	108-2398	108-2397
88-91 CIVIC & WAGON	108-2398	
88-91 CRX	108-2397	
95-01 ODYSSEY	108-2397	
94-01 PASSPORT	108-2397	
92-96 PRELUDE	108-2395	
HYUNDAI		
95-01 ACCENT	108-2397	108-2378
96-01 ELANTRA & WAGON		108-2378
90-94 EXCEL	108-2395	
91-95 SCOUPE	108-2395	
90-98 SONATA		108-2378
97-01 TIBURON	108-2397	108-2397
INFINITY		
91-01 G-20	108-2395	
96-99 I-30		108-2398
93-97 J-30		108-2397
97-01 QX4 SUV	108-2397	
ISUZU		
89-01 AMIGO	108-2395	
96-01 HOMBRE	108-2398	
85-89 I-MARK	108-2395	
90-92 IMPULSE 2 DR/2 DR HATCH	108-2397	
96-99 OASIS MINIVAN	108-2397	
89-95 PICK-UP	108-2395	
91-01 RODEO	108-2395	
92-01 TROOPER	108-2398	
KIA		
01-UP RIO	108-2397	108-2378
94-01 SEPHIA	108-2397	108-2378
95-01 SPORTAGE		108-2397
LEXUS		
92-01 ES 300	108-2378	
98-01 GS 300	108-2378	108-2378
98-01 GS 400	108-2378	108-2378
98-01 LX 470	108-2378	
99-01 RX 300	108-2397	
92-01 SC 300	108-2395	108-2398
92-01 SC 400	108-2395	108-2398
MERKUR		
85-89 XR4TI	108-2397	108-2397
MAZDA		
86-92 626 2 & 4 DR	108-2395	
88-92 MX-6	108-2397	
93-97 MX-6	108-2398	
90-01 MIATA	108-2397	
95-01 MILLENIA		108-2378
92-95 MX3	108-2395	
96-99 MPV		108-2378
91-94 NAVAJO	108-2397	
93-96 RX7	108-2397	
86-91 RX7 & CONVERTIBLE	108-2395	
MITSUBISHI		
91-99 3000 GT	108-2397	
95-01 ECLIPSE COUPE & CONV.	108-2378	108-2398
90-94 ECLIPSE	108-2397	
92-96 EXPO	108-2395	
99-01 GALANT	108-2378	108-2378
94-98 GALANT	108-2398	108-2398
88-92 MIRAGE	108-2397	
97-01 MIRAGE 2 & 4 DR	108-2378	108-2378
92-00 MONTERO	108-2395	
97-01 MONTERO SPORT	108-2395	
NISSAN		
84-88 200 SX	108-2395	
95-99 200 SX	108-2397	108-2398
89-95 240 SX & CONVERTIBLE	108-2397	
90-96 300 ZX & CONVERTIBLE	108-2395	108-2395
93-01 ALTIMA	108-2397	108-2398
90-93 AXXES	108-2395	108-2378
98-01 FRONTIER PICK-UP	108-2397	
84-89 MAXIMA	108-2398	
90-94 MAXIMA	108-2380	
95-99 MAXIMA	108-2397	108-2398
91-93 NX 2000	108-2395	
90-01 PATHFINDER	108-2397	
89-97 PICK-UP	108-2397	
83-90 PULSAR	108-2395	108-2395
91-94 SENTRA	108-2395	108-2395
86-90 SENTRA	108-2397	
95-99 SENTRA	108-2397	
89-92 STANZA	108-2395	108-2395
85-89 STANZA & WAGON	108-2397	108-2397
93-99 QUEST	108-2398	108-2397
00-01 QUEST	108-2398	108-2378
87-89 VAN GXE & XE	108-2395	
00-01 XTERRA	108-2397	
SAAB		
89-01 900 CONVERTIBLE & 9-3	108-2398	
00-01 9-5 4 DR		108-2378
99-01 9-3 2 DR, 4 DR & HATCH	108-2398	
89-95 9000 4 DR & HATCHBACK	108-2397	
SUBARU		
93-01 IMPREZA 2 DR, 4 DR & WG	108-2398	108-2398
90-94 LEGACY	108-2398	
95-99 LEGACY	108-2397	
89-94 JUSTY 2 & 4 DR	108-2395	
85-91 XT COUPE	108-2395	
SUZUKI		
95-01 ESTEEM 4 DR & WAGON	108-2397	108-2378
99-01 GRAND VITARA	108-2397	
89-98 SIDEKICK	108-2395	
96-98 X-90	108-2398	
TOYOTA		
96-01 4 RUNNER	108-2378	
95-01 AVALON	108-2397	108-2378
97-01 CAMRY		108-2378
92-96 CAMRY WAGON		108-2397
90-99 CELICA & WAGON	108-2397	108-2397
98-01 COROLLA	108-2378	108-2378
93-97 COROLLA 2 DR, 4 DR & WG	108-2397	108-2397
98-01 LAND CRUISER	108-2378	
91-95 MR2	108-2397	
92-95 PASEO & CONVERTIBLE	108-2397	108-2397
96-98 PASEO	108-2378	108-2378
96-01 RAV 4	108-2397	
98-01 SIENNA MINIVAN	108-2397	
93-98 SUPRA	108-2395	108-2395
93-98 T-100 PICK-UP	108-2398	
95-01 TACOMA PICK-UP	108-2398	
91-94 TERCEL	108-2395	
95-99 TERCEL	108-2378	108-2378
VOLKSWAGON		
95-01 CABRIO	108-2378	
92-01 EUROVAN	108-2378	
85-92 GOLF	108-2397	
93-99 GOLF	108-2378	
85-92 JETTA	108-2397	
93-99 JETTA	108-2378	
VOLVO		
77-93 142,144,240,242 & 244	108-2399	
98-01 C-70 2DR COUPE	108-2378	108-2378
00-01 S-40	108-2397	
98-00 S-70	108-2397	
99-01 S-80	108-2397	
1998 S-90	108-2397	
00-01 V-40	108-2397	
98-00 V-70	108-2397	
1998 V-90	108-2397	

Weatherstrips and Moulding Kits

Rubber Windshield Weatherstrips and Moulding Kits





STOCK NO.	Reference No.	Nags No.	Vehicle	Description
150-0001	BKT 6856	DB06856	GM Chevy S-10 Blazer Rear '99	Kit - Upper & Lower Rail
150-0098	WBL 1135	DB01135	GM Chevy Pickup Rear '73-'87, '99	Weatherstrip
150-1158	WBL 1158	DB01158	Ford Pick Up Rear '73-'96, '99	Weatherstrip
150-0097	WBL 397	FW00397	Toyota Pickup '79-'83, '99	Weatherstrip
150-0096	WBL 413	FW00413	Nissan 720 Pickup '80-'86, '99	Weatherstrip
150-0095	WBL 461	FW00461	Mitsubishi Raider/Montero '84-'91, '99	Weatherstrip
150-0094	WBL 7158	DB07158	Dodge Dakota '86-'96, '99	Weatherstrip
150-1853	WBL 853	DW00853	GM Van '71-'80	Weatherstrip
150-0093	WBL D1136	DW01136	Jeep CJ-7 '76-'78, '99	Weatherstrip
150-0092	WCR 654	DW00654	Ford Mustang '64-'68, '99	Weatherstrip
150-4203	WFS-140	DW00943	GM Filler Strip 3 Fin	One Piece - Top & Sides
150-4140	WFS 203	DW00910	GM Filler Strip 2 Fin '99	One Piece - Top & Sides
150-0091	WFS 590	FW00590	Honda Civic (Hatchback) '88-'91, '99	One Piece - Top & Sides
150-0090	WFS 7943	DB07943	Dodge Caravan/Voyager '99	One Piece - Top & Sides
150-4963	WFS 963	DW00963	Dodge Caravan '84-'91, '99	One Piece - Top & Sides
150-4962	WFS 963 R-100	DW00963	Dodge Caravan '84-'91, '99	One Piece - Top & Sides: 100'
150-0089	WFS D1068 A	DW01068	GM Fillerstrip '99	One Piece - Top & Sides
150-0088	WFS D1118-95	DW01118	Dodge Caravan '95-'99	One Piece - Top & Sides
150-0087	WFS D1140-98 A	DW01140	Jeep Cherokee '94-'99	One Piece - Top & Sides
150-0086	WFS D1158	DW01158	GM Astro/Safari '96-'99	One Piece - Top & Sides
150-0085	WFS D1160	DW01160	GM Filler - Offset '99	One Piece - Top & Sides
150-0083	WFS D1176-98 A	DW01381	Dodge Ram Pickup '94-'99	One Piece - Top& Sides
150-0084	WFS D1176-98 A	DW01176	Dodge Ram Pickup '94-'99	One Piece - Top & Sides
150-0082	WFS D1179	DWO1179	Dodge Neon '94-'99	One Piece - Top & Sides
150-0081	WFS D1186	DW01178	Chrysler LH Body '94-'99	One Piece - Top & Sides
150-0080	WFS D1197	DW01197	GM Olds Aurora '95-'99	One Piece - Top & Sides
150-0079	WFS D1226	DW01226	Dodge Caravan '96-'99	One Piece - Top & Sides
150-0078	WFS D1265	DW01265	GM Chevy Express Van '96-'99	One Piece - Top & Sides
150-0077	WFS D1288	DW01288	GM Pontiac Grand Prix '97-'99	One Piece - Top & Sides
150-0076	WFS D1293	DW01293	GM Pontiac Transport '97-'99	One Piece - Top & Sides
150-0075	WFS D1296	DW01296	GM Buick Park Ave '99-'00	One Piece - Top & Sides
150-0074	WFS D1297	DW01297	GM Buick Regal '97-'99	One Piece - Top & Sides
150-0073	WFS D1321	DW01285	Jeep Wrangler TJ '97-'99	One Piece - Top & Sides
150-0072	WFS D1323	DW01167	Dodge Ram Van '94-'97, '99	One Piece - Top & Sides
150-0071	WFS D971-91	DW00971	GM Chevy Astro Van '91-'94, '99	Top Moulding
150-4999	WFS D999-94	DW00999	Dodge Dakota '94-'96, '99	One Piece - Top & Sides
150-0070	WFS F2001	FW02001	Toyota RAV 4 '96-'99	One Piece - Top & Sides
150-0069	WFS F2011 OEM	FW02011	Toyota 4 Runner '96	One Piece - Top & Sides
150-0068	WFS F2011 RC	FW02011	Toyota 4 Runner '96-(WRC) '99	One Piece - Top & Sides
150-0067	WFS F2036	FW02036	Lexus ES300 '97-'99	One Piece - Top & Sides
150-0066	WFS F2064 OEM	FW02064	Honda Accord '98	One Piece - Top & Sides
150-0065	WFS F2158 OEM	FW02158	Toyota Avalon '99-'00	Top Moulding
150-0064	WFS F676	FW00676	Toyota Tercel '91-'93, '99	One Piece - Top & Sides
150-0063	WFS F719	FW00719	Mazda 626 '93-'97, '99	One Piece - Top & Sides
150-0062	WFS F724	FW00724	Toyota Corolla '93-'97, '99	One Piece - Top & Sides
150-0061	WFS F736 B	FW00736	Mitsubishi Galant '93-'97, '99	One Piece - Top & Sides
150-0060	WFS F736 C	FW00736	Mitsubishi Galant '93-'97, '99	One Piece - Top & Sides
150-0059	WFS F798	FW00798	Hyundai Accent '95-'96, '99	One Piece - Top & Sides
150-0058	WFS F799	FW00799	Toyota Tacoma Pickup '95-'00	One Piece - Top & Sides
150-0057	WFS F822 OEM	FW00822	Honda Civic Sedan '96	One Piece - Top & Sides
150-0056	WFT 1089	DW01089	GM Chevy Caprice '91-'92, '99	Top Moulding
150-5546	WFT 546	FW00546	Toyota Camry '87-'91, '99	Top Moulding
150-0055	WFT 594	FW00594	Isuzu Amigo/Rodeo '88-'99	Top Moulding
150-5605	WFT 605 B	FW00605	Geo Prizm '89-'92, '99	Top Moulding
150-0054	WFT 620	FW00620	Talon/Eclipse '90-'94, '99	Top Moulding

Rubber Windshield Weatherstrips and Moulding Kits (Cont.)

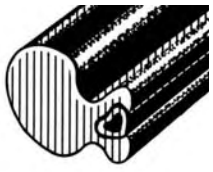
STOCK NO.	Ref. No.	Nags No.	Vehicle	Description
150-0053	WFT 633	FW00633	Acura Integra '90-'93, '99	Top Moulding
150-0052	WFT 686	FW00686	BMW 325/325i '92-'99	Top Moulding
150-0051	WFT 703	FW00703	Honda Civic '92-'95, '99	Top Moulding
150-0050	WFT D1061	DW01061	GM APV Minivan '90-'95, '99	Top Moulding
150-0049	WFT D1111	DW01111	Jeep Grand Cherokee '93-'96, '99	Top Moulding
150-0048	WFTD1137 95	DW01137	GM Buick Skylark/Achieva/Pont. Grand Am '99	Top Moulding
150-0047	WFT D1142	DW01142	Jeep Grand Cherokee '93-'99	Top Moulding
150-0046	WFT D1168	DW01168	GM Chevy S10/Blazer '94-'99	Top Moulding
150-0045	WFT D1180 SP	DWO1180	GM Cadillac DeVille/Con '94-'99	Top Moulding
150-0044	WFT D1183 B	DWO1183	GM Cadillac Seville STS '94-'99	Top Moulding
150-5014	WFT D1185	DW01185	GM Chevy Beretta '94-'96, '99	Top Moulding
150-0043	WFT D1195	DW01195	GM Chevy Lumina/Monte Carlo '95-'99	Top Moulding
150-0042	WFT D1198	DWO1198	Dodge Stratus '95-'99	Top Moulding
150-0041	WFT D1256	DW01256	Ford F-Series/Explorer '97-'99	Top Moulding
150-0040	WFT D1295	DW01295	Dodge Dakota Pickup '97-'99	Top Moulding
150-0039	WFT D1324	DWO1324	Dodge Intrepid '98-'99	Top Moulding
150-0038	WFT D1346	DWO1346	Jeep Grand Cherokee '99	Top Moulding
150-0037	WFT D1349	DWO1349	Dodge Neon '99-'00	Top Moulding
150-0036	WFT F2010 B	FW02010	Hyundai Elantra '96-'99	Top Moulding
150-0035	WFT F2010 C	FW02010	Hyundai Elantra '96-'99	Top Moulding
150-0034	WFT F2018	FW02018	Toyota Camry '97-'99	Top Moulding
150-0033	WFT F2034 OEM	FW02035	Mitsubishi Mirage '97-'99	Top Moulding
150-0032	WFT F2057	FW02057	Toyota Sienna Van '98-'99	Top Moulding
150-0031	WFT F2058	FW02058	Subaru Forester '98-'99	Top Moulding
150-0030	WFT F2062	FW02062	Rodeo/Passport '98'-'99	Top Moulding
150-0029	WFT F2074	FW02074	LX470/Land Cruiser '98-'99	Top Moulding
150-0028	WFT F2091	FW02091	Mitsubishi Galant '99	Top Moulding
150-0027	WFT F2108	FW02108	Toyota Tundra '99-'00	Top Moulding
150-0026	WFT F526 B	FW00526	850 Pickup/Pathfinder '86-'99	Top Moulding
150-5526	WFT F526 C	FW00526	850 Pickup/Pathfinder '86-'89	Top Moulding
150-0025	WFT F580 B	FW00580	Toyota Corolla '88-'92, '99	Top Moulding
150-5598	WFT F598 B	FW00598	Toyota Pickup '89-'94, '99	Top Moulding
150-5599	WFT F598 C	FW00598	Toyota Pickup '89-'94, '99	Top Moulding
150-0024	WFT F713	FW00713	Isuzu Trooper '92-'94, '99	Top Moulding
150-0023	WFT F725	FW00725	Geo Prizm '93-'97, '99	Top Moulding
150-0022	WFT F728	FW00778	VW Golf/Jetta '93-'96, '99	Top Moulding
150-0021	WFT F731	FW00731	Honda Del-Sol '93-'97, '99	Top Moulding
150-0020	WFT F751	FW00751	Acura Integra '94-'99	One Piece - Top & Sides
150-0019	WFT F753	FW00753	Honda Accord '94-'97, '99	Top Moulding
150-0018	WFT F783	FW00783	Subaru Legacy '95-'99	Top Moulding
150-0017	WFT F790	FW00790	Toyota Avalon '95-'96, '99	Top Moulding
150-0016	WFT F800	FW00800	Metro/Swift '95-'99	Top Moulding
150-5044	WKT 1043 B	DWO1043	Dodge Dynasty '88-'93, '99	Kit - 3 Pieces, Top & Side
150-5043	WKT 1043 C	DW01043	Chrysler New Yorker '88-'93, '99	Kit - 3 Pieces, Top & Side
150-5057	WKT 1057	DW01057	Chrysler LeBaron/Acclaim/Spirit '99	Kit - 3 Pieces, Top & Side
150-5060	WKT 1060 S	DW01060	GM Chevy Lumina W/Foam S99	Kit - Moulding & Cowl Clips
150-0015	WKT 615	FW00615	GEO Tracker/Sidekick '89-'99	Kit - Top, Sides, Corners, Cowl Clips
150-5960	WKT 960	DW01067	GM Buick/Olds C&H Body '99	Kit - 2 Pieces
150-5967	WKT 967	DW00967	Ford Pickup/Aerostar '91-'94, '99	Kit - Moulding & Cowl Clips
150-0014	WKT D1106 C	DW01105	GM Buick/ Pontiac/Olds '91-'99	Top Moulding
150-0012	WKT D1155	DW01155	GM Chevy Camaro (T-Top) '93-'99	One Piece - Top & Sides
150-0013	WKT D1155	DW01155	GM Chevy Camaro (Hardtop) '93-'99	One Piece - Top & Sides
150-0011	WKT D1161	DW0925	GM Van '81-'96, '99	One Piece - Top & Sides
150-0010	WKT D1330	DW01330	GM Grand AM/Alero '99	Kit - Upper & Lower
150-0009	WKT F2060	FW02060	Nissan Altima '98-'99	Kit - Moulding & Retainer
150-5597	WKT F597 C	FW00597	Nissan Maxima '89-'94, '99	Kit - Top Moulding & Retainer
150-0008	WLS 466	DW00848	GM Lock Strip, Black '99	Lock Strip & Joint Cover
150-0007	WLS 466 R-100	DW00848	GM Lock Strip, Black Roll '99	Lock Strip - 100'
150-0006	WLS 848/853	DW00848	GM Lock Strip Chrome '99	Lock Strip & Joint Cover
150-0005	WLS 900	DW00913	Dodge Lock Strip, Black '99	Lock Strip & Joint Cover
150-0004	WTM F641 C	FW00641	Honda Accord '90-'93, '99	Top Moulding
150-0003	WTM F694 C	FW00694	Toyota Camry CHR '92-'96, '99	Top Moulding
150-0000		FW02121	Nissan Maxima '00-Current	Top Moulding
150-0001		FW02060	Chevy/GMC S-10 Blazer Rear '99	Top Moulding
150-0002		DW01449	Jeep Liberty '02-Current	Top Moulding

Latex and Sponge Rubber Weatherstrip

Latex Foam Auto Seals

An Excellent Glass and Body Seal Against Air, Water, Noise and Dust

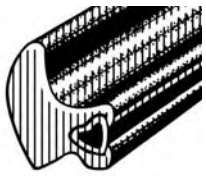
Large Openings - Dynamic



Narrow neck design with high profile. Fills larger gap with reduced closing effort. Excellent door seal.

STOCK NO.	Length	UNIT PKG.
101-3000	120″	ONE ROLL

Small Openings, Wide Seal - Dynamic



Wide neck design with integral hinge point and lower offset profile. Excellent door or trunk seal.

STOCK NO.	Length	UNIT PKG.
101-3002	120″	ONE ROLL

Deck Lid Sponge Rubber Weatherstrip



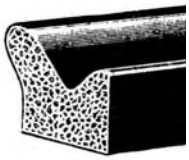
For Older GM Model Cars

Approximately 1-1/4″ x 1″
Black molded sponge rubber. General Motors cars1956-70.

STOCK NO.	Length	UNIT PKG.
104-4008	50′	ONE ROLL

Side Door and Pillar Post Sponge Rubber Weatherstrip

For Older Model Cars



Approximately 1/2″ x 1/2″
Black molded sponge rubber. All GM cars 1939-60. All Chrysler products 1940-60. Ford, Lincoln Mercury 1940-60. Nash, Packard 1940-52. Hudson 1948-51.

STOCK NO.	Length	UNIT PKG.
104-4005	50′	ONE ROLL

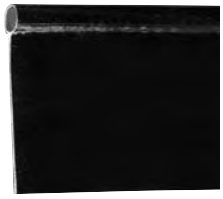
Door Flange Weatherstrip



Approximately 1/2″ x 5/8″
Black molded sponge rubber. Cadillac, Jeep, Rambler, 1955-70. Corvair, Dart, Falcon 1960-70. Chevrolet, Buick, Oldsmobile 1955-70. Ford, Lincoln, Mercury 1955-58. Plymouth, Dodge, DeSoto, Chrysler 1955-58.

STOCK NO.	Length	UNIT PKG.
104-4002	50′	ONE ROLL

Grained Vinyl Fender Welt



For Older Model Cars

1-1/2″ Wide with a 3/16″ Solid Core

Fender welt is mainly used in the restoration of vintage passenger cars. Black imitation leather grained vinyl covers a heavy duck cotton blend. Use as a filler between the fender and the body to prevent leaks, rattles and squeaks.

STOCK NO.	Length	UNIT PKG.
104-5002	75′	ONE ROLL

Auto Side Vent Glass Puller

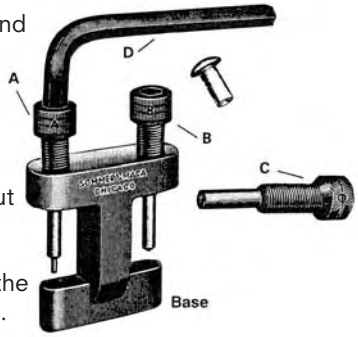


Our vent glass puller is the safest, easiest way to remove and replace the vent and rear flipper glass. Place tool on vent so the rubber covered jaws clamp the glass tightly when upper handle is turned. Turn lower handle, locking inner jaw against the edge of the vent frame, easing the glass away from frame. When installing new glass, the curved pressure plate between the inner jaws holds tool in position while the rubber covered jaws pull the glass into the vent.
During 2002, this tool was redesigned and reintroduced to the market. The new design has nonreplaceable jaws. For customers still owning the old style tool, replacement jaws will be available for a limited time.

STOCK NO.	Description	UNIT PKG.
201-2003	Vent Puller Tool (New Style)	ONE PULLER
201-2004	Old Style Replacement Jaws	ONE PAIR

Auto Side Vent Rivet Setting Tool Assembly

This tool is used to remove and set rivets in lower vent pivots and vent handle brackets on certain American vehicles and on some division bars. Replacement of vent handle brackets may be done without removing vent from car.
One side of tool is used for removing the old rivets, and the other is for setting new rivets.



STOCK NO.	Description	UNIT PKG.
201-5007	Complete Tool (A,B,D, & Base)	ONE TOOL
201-5008	(A) Rivet Remover	ONE
201-5009	(B) Small Rivet Set Screw	ONE
201-5010	(C) Large Rivet Set Screw (Optional)	ONE
201-5011	(D) Allen Wrench	ONE
201-5012	Base	ONE

Window Film

AUTOMOTIVE WINDOW FILM - UNIVERSAL SIZE



Gila® offers automotive window films in three constructions - Economy Dyed Polyester, Anti-scratch Resistant Dyed Polyester, and Heat Reflective Metallized films. Window films enhance the appearance of any vehicle while protecting the interior from UV and heat damage. Gila films also reduce dangerous glare and heat gain to make driving more comfortable.

ECONOMY FILMS

STOCK NO.	Color	Size	UNIT PKG.
348-3254	Dark Smoke	24" x 6.5'	ONE ROLL
348-3269	20% Limo Black	24" x 6.5'	ONE ROLL

ANTI-SCRATCH FILMS

STOCK NO.	Color	Size	UNIT PKG.
348-3257	35% Bronze	24" x 6.5'	ONE ROLL
348-3256	35% Dark Smoke	24" x 6.5'	ONE ROLL
348-3258	20% Limo Black	24" x 6.5'	ONE ROLL

HEAT REFLECTIVE FILMS

STOCK NO.	Color	Size	UNIT PKG.
348-3260	50% Light Smoke	24" x 6.5'	ONE ROLL
348-3261	35% Dark Smoke	24" x 6.5'	ONE ROLL
348-3262	35% Dark Bronze	24" x 6.5'	ONE ROLL
348-3263	20% Limo Black	24" x 6.5'	ONE ROLL

TRUCK WINDOW FILM



Gila® Limo Black Truck Kits offer a 24" x 12' film for tinting larger vehicles such as trucks, RV's and SUV's. This film is constructed from ANTI-SCRATCH Limo Black film, available in 5% and 20% light transmissions.

LIMO BLACK TRUCK KITS

STOCK NO.	Color	Size	UNIT PKG.
348-3264	20% Dark Limo Black	24" x 12'	ONE ROLL
348-3265	5% Darkest Limo Black	24" x 12'	ONE ROLL

REAR WINDOW FILM KITS



Gila® Rear Window Kits are specially designed with pre-cut strips for tinting curved and rear windows. Each kit contains special instructions for tinting curved glass. Comes in Anti-scratch 20% Limo Black and Heat Reflective 5% Limo Black. Packaged (4) strips per kit. Strip size is 6" x 6.5'

REAR WINDOW KITS - FOUR STRIPS PER KIT

STOCK NO.	Color	Strip Size	UNIT PKG.
348-3590	20% Limo Black	6" x 6.5'	ONE KIT
348-3591	5% Limo Black	6" x 6.5'	ONE KIT

Safety and Security Clear Window Film



Protects Glass Against Penetration from Accidental or Forced Breakage

LLumar film bonds to interior glass using a special adhesive. Like an invisible shield, it helps glass to resist accidental or premeditated breakage, and reduces the effect of flying glass fragments. For commercial and residential applications, it exceeds ANSI Z97.1-84 test for breaksafe characteristics. **Available in Tints on Special Order.**

STOCK NO.	Color	Size	UNIT PKG.
348-3586	Clear	36" x 100'	ONE ROLL
348-3588	Clear	48" x 100'	ONE ROLL
348-3589	Clear	60" x 100'	ONE ROLL

Film Application Tools and Concentrate



DELUXE APPLICATION KIT
STOCK NO. 348-3266 -
The Deluxe Kit contains a 16 oz. spray bottle, knife, 5" squeegee and card squeegee.

ECONOMY APPLICATION KIT
STOCK NO. 348-3267 -
The Economy Kit contains a knife and 5" squeegee.

WINDOW FILM APPLICATION CONCENTRATE

STOCK NO.	Description	Size	UNIT PKG.
348-3245	Lubricating Agent	1.2 fl.oz.	ONE BOTTLE

Sliding Rear Truck Windows (Sliders)

Three Series of Windows for Various Applications



1500 Series 1800 Series



1900 Series

Provent™ Sliding Rear Truck Windows feature a weather tight design and factory installed appearance. For a superior finish, they are electrostatically black powder coat painted. Top corners have a tight radius to provide OEM quality. Bottom corners have no unsightly weld scars. Corners are mitered and permanently fastened with all aluminum corner keys.

1500 Series

Gasket model dual pane windows. Designed to replace the original glass.

• Fully Framed Slider Vents • Nylon Glide System Provides Easy Opening
• Deep 1/2" Tongue and Groove Interlock for Added Security and a Tight, Durable Weather Seal • Metal Latch
• Two Piece Frame Insures Close Fit • Can Reuse OEM Gasket Without Modifications • Dark Gray is #31 Tint

STOCK NO.	Nags No.	Year	Gray Tint	Dark Gray	Clear	Solar Privacy	Make	Glass Color
125-7402	DY90012	'67-'72	X				Chevy/GMC	Gray
125-7202	DY90012	'67-'72		X			Chevy/GMC	Dark Gray
125-7302	DY90012	'67-'72			X		Chevy/GMC	Clear
125-7401	DY90007	'73-'87	X				Chevy/GMC	Gray
125-7201	DY90007	'73-'87		X			Chevy/GMC	Dark Gray
125-7301	DY90007	'73-'87			X		Chevy/GMC	Clear
125-7524	DY90009	'82-'93				X	Chevy S-10, GMC S-15	Solar Tint
125-7424	DY90009	'82-'93	X				Chevy S-10, GMC S-15	Gray
125-7224	DY90009	'82-'93		X			Chevy S-10, GMC S-15	Dark Gray
125-7324	DY90009	'82-'93			X		Chevy S-10, GMC S-15	Clear
125-7420	FY95018	'80-'86	X				Datsun (Nissan)	Gray
125-7220	FY95018	'80-'86		X			Datsun (Nissan)	Dark Gray
125-7320	FY95018	'80-'86			X		Datsun (Nissan)	Clear
125-7421	FY95020	'80-'86	X				Datsun (Nissan) KC	Gray
125-7221	FY95020	'80-'86		X			Datsun (Nissan) KC	Dark Gray
125-7321	FY95020	'80-'86			X		Datsun (Nissan) KC	Clear
125-7405	DY90024	'75-'93	X				Dodge	Gray
125-7205	DY90024	'75-'93		X			Dodge	Dark Gray
125-7305	DY90024	'75-'93			X		Dodge	Clear
125-7404	DY90042	'67-'72	X				Ford	Gray
125-7204	DY90042	'67-'72		X			Ford	Dark Gray
125-7304	DY90042	'67-'72			X		Ford	Clear
125-7613	DY90035/65	'73-'96				X	Ford	Solar Privacy
125-7403	DY90035/65	'73-'96	X				Ford	Gray
125-7203	DY90035/65	'73-'96		X			Ford	Dark Gray
125-7303	DY90035/65	'73-'96			X		Ford	Clear
125-7425	DY90037	'83-'97	X				Ford Ranger/Mazda (94-97)	Gray
125-7225	DY90037	'83-'97		X			Ford Ranger/Mazda (94-97)	Dark Gray
125-7325	DY90037	'83-'97			X		Ford Ranger/Mazda (94-97)	Clear
125-7458	FY95010	'88-Current	X				Isuzu/LUV	Gray
125-7258	FY95010	'88-Current		X			Isuzu/LUV	Dark Gray
125-7349	FY95010	'88-Current			X		Isuzu/LUV	Clear
125-7440	FY95016	'86-'97	X				Nissan Standard C/K	Gray
125-7240	FY95016	'86-'97		X			Nissan Standard C/K	Dark Gray
125-7340	FY95016	'86-'97			X		Nissan Standard C/K	Clear

Sliding Rear Truck Windows (Sliders)

1500 Series (Continued)

STOCK NO.	Nags No.	Year	Gray Tint	Dark Gray	Clear	Solar Privacy	Make	Glass Color
125-7417	FY95032	'79-'83	X				Toyota	Gray
125-7217	FY95032	'79-'83		X			Toyota	Dark Gray
125-7317	FY95032	'79-'83			X		Toyota	Clear
125-7428	FY95026/36	'84-'95	X				Toyota Standard Cab	Gray
125-7228	FY95026/36	'84-'95		X			Toyota Standard Cab	Dark Gray
125-7328	FY95026/36	'84-'95			X		Toyota Standard Cab	Clear
125-7487	FY95024	'93-'94	X				Toyota T-100	Gray
125-7266	FY95024	'93-'94		X			Toyota T-100	Dark Gray
125-7387	FY95024	'93-'94			X		Toyota T-100	Clear
125-7429	FY95030	'84-'88	X				Toyota X/C	Gray
125-7329	FY95030	'84-'88			X		Toyota X/C	Clear
125-7459	FY95028	'89-'95	X				Toyota X/C	Gray
125-7259	FY95028	'89-'95		X			Toyota X/C	Dark Gray
125-7386	FY95028	'89-'95			X		Toyota X/C	Clear
125-7617	FY95038/39	'95-Current				X	Toyota Tacoma	Solar Privacy
125-7488	FY95038/39	'95-Current	X				Toyota Tacoma	Gray
125-7388	FY95038/39	'95-Current			X		Toyota Tacoma	Clear
125-7216	FY95038PKI	'95-Current		X			Toyota Tacoma	Dark Gray

1800 Series

Sliding Rear Truck Windows Designed Specifically for Glue-In Installations

STOCK NO.	Nags No.	Year	Gray Tint	Dark Gray	Clear	Solar Privacy	Make	Glass Color
125-7607	DY90004/5	'88-'98				X	Chevy/GMC	Solar Privacy
125-7450	DY90004/5	'88-'98	X				Chevy/GMC	Gray
125-7250	DY90004/5	'88-'98		X			Chevy/GMC	Dark Gray
125-7350	DY90004/5	'88-'98			X		Chevy/GMC	Clear
125-7689	DY90092/91	'99-Current				X	Chevy/GMC	Solar Privacy
124-7489	DY90092/91	'99-Current	X				Chevy/GMC	Gray
125-7289	DY90092/91	'99-Current		X			Chevy/GMC	Dark Gray
125-7608	DY90016/75	'94-Current				X	Chevy S-10/Isuzu '96-'00	Solar Privacy
125-7455	DY90016/75	'94-Current	X				Chevy S-10/Isuzu '96-'00	Gray
125-7255	DY90016/75	'94-Current		X			Chevy S-10/Isuzu '96-'00	Dark Gray
125-7355	DY90016/75	'94-Current			X		Chevy S-10/Isuzu '96-'00	Clear
125-7802	DY90082	'97-Current				X	Dodge Dakota	Solar Privacy
125-7482	DY90082	'97-Current	X				Dodge Dakota	Gray
125-7264	DY90082	'97-Current		X			Dodge Dakota	Dark Gray
125-7625	DY90068/00	'94-Current				X	Dodge Ram/Club Cab '98-'00	Solar Privacy
125-7456	DY90068/00	'94-Current	X				Dodge Ram/Club Cab '98-'00	Gray
125-7256	DY90068/00	'94-Current		X			Dodge Ram/Club Cab '98-'00	Dark Gray
125-7615	DY90039/71	'86-Current				X	Ford Ranger/Mazda S/C '94-Current	Solar Privacy
125-7435	DY90039/71	'86-Current	X				Ford Ranger/Mazda S/C '94-Current	Gray
125-7215	DY90039/71	'86-Current		X			Ford Ranger/Mazda S/C '94-Current	Dark Gray
125-7339	DY90039/71	'86-Current			X		Ford Ranger/Mazda S/C '94-Current	Clear
125-7616	FY95046/44	'99-Current				X	Toyota Tundra	Solar Privacy
125-7416	FY95046/44	'99-Current	X				Toyota Tundra	Gray
125-7227	FY95046/44	'99-Current		X			Toyota Tundra	Dark Gray
125-7316	FY95046/44	'99-Current			X		Toyota Tundra	Clear

1900 Series

Features a Single Sliding Window Designed for Glue-In Installations

• New Modular Design • No Visible Frame Around Window • Curved Solar Privacy Glass for Added Comfort

STOCK NO.	Nags No.	Year	Gray Tint	Dark Gray	Clear	Solar Privacy	Make	Glass Color
125-7263	DY90077	'97-Current				X	Ford (Tri-Lite)	Solar Privacy

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crlaurence.com
usalum.com
columbiamfg.com
(800) 421-6144

Wiper Kits and Windshield Treatment

Winter Blade® Starter Kit

Corrugated Merchandise Display

Winter blades are manufactured with a tough rubber boot and metal arm to resist snow and ice clogging.





DISPLAY DIMENSIONS:
13" W x 69" H x 18-1/2" D

This Trico® prepackaged corrugated merchandiser features 25 blades in 3 assorted sizes (noted below) and is ready to display right out of the shipping carton.

- **Kit Includes 25 Assorted Blades Listed Below**
- **Order Application Catalog Separately**

WINTER BLADE MERCHANDISER

STOCK NO.	Description	UNIT PKG.
125-2710	25 Blade Display	ONE KIT
STOCK NO.	**Description**	**UNIT PKG.**
125-2712	Application Catalog	ONE

WINTER REPLACEMENT BLADES
UNIT PKG: ONE BLADE

STOCK NO.	Size	Included In Kit	Mfr. #
125-2704	15"		37-150
125-2703	16"	5	37-160
125-2700	★ 18"	15	37-180
125-2701	★ 20"	5	37-201
125-2702	★ 22"		37-220
125-2705	24"		37-240

★ **Denotes Best Selling Wiper Blades**



Clean Shield

Unique White Creamy Viscosity

The invisible non-stick finish that shields showers, windows, tile, sinks, tubs, counters and appliances against rust, hard water mineral deposits, soap scum, stains and spills. This product seals, polishes and protects against dulling and build-up on glass, marble, porcelain, plastics, fiberglass, laminates, chrome, stainless and more.

STOCK NO.	Size	UNIT PKG.
337-9512	8 fl. oz.	ONE BOTTLE

Somaca Glass-EEZ

Glass Cleaning Towels



Lint-Free - 4-Ply Towels
500 Towels with 2 Dispenser Boxes

These high quality paper towels are the most versatile wiping product available to the glass industry. They are lint-free and combine softness, strength and absorbency to successfully fulfill all glass cleaning requirements.

STOCK NO.	Sheet Size	Contents	UNIT PKG.
213-1300	13-1/2" x 17-5/8"	500	ONE CARTON

Somaca

POWR BOND™ Auto Glass Cleaner

No Ammonia, Alcohol or Silicone



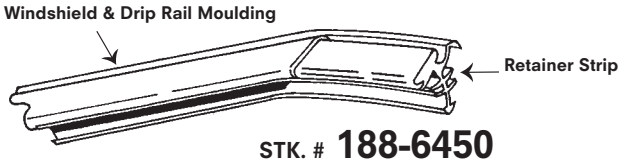
Somaca POWR BOND Auto Glass Cleaner is specially formulated for the auto glass industry to be compatible with all urethane systems. (Note: many other glass cleaners may contain chemicals that will not allow urethane to bond to the glass). Its powerful formulation cuts through grime, grease and residues, leaving the glass clean, with a streak-free shine.

SOLD PER CASE OF 12 CANS

STOCK NO.	Size	Contents	Weight	UNIT PKG.
121-1100	19 oz.	12	18.5 lbs.	ONE CARTON

Windshield & Moulding Clips/Retainers

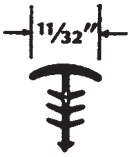
G.M. "C" & "H" Body Windshield Moulding Retainer Strips
"C" & "H" Bodies Except Cad. '85/



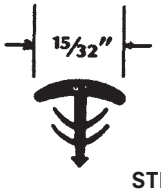


STK. # 188-6450
Replaces: 20624894, 20639210
RIGHT SIDE, O/L 30"
UNIT PACKAGE 10

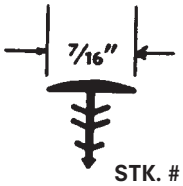
STK. # 188-6451
Replaces: 20624895, 20639211
LEFT SIDE, O/L 30"
UNIT PACKAGE 10



STK. # 108-2230
FILLER STRIP - WINDSHIELD
Black
Buick Riviera & "X" Body Hatchback
UNIT PACKAGE 1 ROLL OF 100'



STK. # 108-2244
FILLER STRIP - WINDSHIELD
Black
G.M. "J" Cars & "S" Trucks
Chrysler Laser Back Glass
UNIT PACKAGE 1 ROLL OF 100'



STK. # 187-6316
Replaces: 14072598
FILLER STRIP - WINDSHIELD
Black
GM Mini-Vans '85/
UNIT PACKAGE 1 ROLL OF 100'

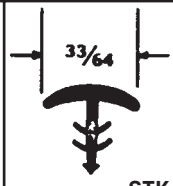


STK. # 108-2243
FILLER STRIP - WINDSHIELD
Black
Chevrolet Chevette, Pontiac T-1000
UNIT PACKAGE 1 ROLL OF 100'



CHRYSLER

STK. # 108-2311
Replaces: 4365614
FILLER STRIP - BACK GLASS
(Liftgate Window) Black
Chrysler Mini-Vans '86/
UNIT PACKAGE 1 ROLL OF 100'



STK. # 108-2377
Replaces 4314873
FILLER STRIP - WINDSHIELD
Black
Chrysler Mini-Vans '84/
UNIT PACKAGE 1 ROLL OF 100'

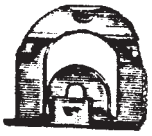
G.M.



STK. # 167-3103
Replaces: 4533699
CLIP - REAR WINDOW REVEAL MOULDING
Stud Fastening Type
All G.M. Cars '64 - '70
(Except Compact Sport Coupes)
UNIT PACKAGE 100



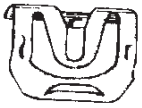
STK. # 199-8245
Replaces: 8717859, 9854717
CLIP - FRONT rear window reveal moulding
Impala (SPT, CPE) '69 with Vinyl Top
G.M. '71
UNIT PACKAGE 50



STK. # 108-2032
Replaces: 7634583
CLIP - BACK GLASS MOULDING
Stud Attaching Type
G.M. '66 - '70
UNIT PACKAGE 100



STK. # 108-2026
Replaces: 4506041
CLIP - WINDSHIELD, REAR WINDOW, STATION WAGON QUARTER WINDOW, Slip on Type
Used on G.M. Cars w/ Stud Welded to Body. '64 - '71
UNIT PACKAGE 100



STK. # 167-3093
Replaces: 7698976
CLIP - UPPER & LOWER REVEAL MOULDING, Windshield & Rear Window, Used with Aluminum Mouldings
Chevelle, Tempest, F-85, Buick Special '68 -'70
Can be used on Honda Accord '85/
Upper and Sides
UNIT PACKAGE 100



STK. # 108-2047
Replaces: 8736585
CLIP - UPPER REVEAL MOULDING WINDSHIELD & REAR WINDOW (Side Load Type)
G.M. '68 All Models, Chevelle, Chevy II, F-85, Tempest, Buick Special
Escutcheon Clip '68 (Except Convertibles)
UNIT PACKAGE 100

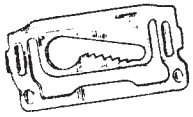


STK. # 108-2083
Replaces: 8736591
CLIP - WINDSHIELD & REAR WINDOW REVEAL MOULDING
Vinyl Hardtops
G.M. Compact Cars '69
UNIT PACKAGE 100

Windshield & Moulding Clips/Retainers



STK. # 108-2094
Replaces: 9808241
CLIP - WINDSHIELD & BACK GLASS REVEAL MOULDING
Buick '71: Chev. (Pass) Camaro '70 - '71
Pontiac Tempest '70 - '71
UNIT PACKAGE 50



STK. # 108-2101
Replaces: 9895598
CLIP - WINDSHIELD REVEAL MOULDING
G.M. '71/
Used on cars with aluminum mouldings to avoid damage to moulding
UNIT PACKAGE 100



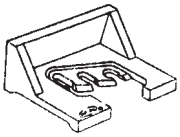
STK. # 108-2104
Replaces: 9606232
CLIP - WINDSHIELD REVEAL MOULDING
Red
G.M. Cars "A" Bodies '72/
UNIT PACKAGE 100



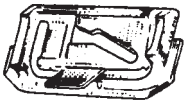
STK. # 108-2127
Replaces: 9662950, 20603072
CLIP - WINDSHIELD REVEAL MOULDING
White
G.M. '73 - '92
UNIT PACKAGE 100



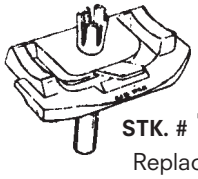
STK. # 108-2132
Replaces: 4005540 & 9731301
CLIP-WINDSHIELD REVEAL MOULDING
Plastic
G.M. '76 - '81
AMC '75 - '85
UNIT PACKAGE 50



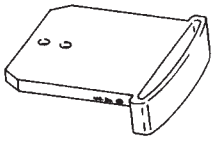
STK. # 185-5889
Replaces: 20173225
CLIP - BACK GLASS LOCATING
Plastic
G.M. "B" Bodies '80/
UNIT PACKAGE 50



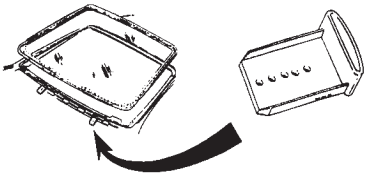
STK. # 108-2231
Replaces: 20169887
CLIP - REAR WINDOW & UPPER SIDE REVEAL MOULDINGS
Plastic
Buick, Olds, Cutlass '88 & '98: '80/
UNIT PACKAGE 50



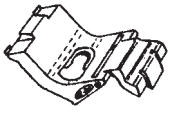
STK. # 108-2191
Replaces: 20113224
CLIP - WINDSHIELD REVEAL LOWER MOULDING
Plastic
G.M. '79/
UNIT PACKAGE 100



STK. # 185-5939
Replaces: 20353101
SUPPORT-WINDSHIELD GLASS
Plastic
G.M. '77/
UNIT PACKAGE 50

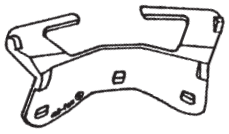


STK. # 193-7138
SUPPORT-WINDSHIELD GLASS
Plastic, 5 Holes for Universal Use
G.M.
UNIT PACKAGE 10

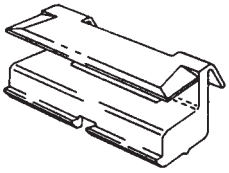


STK. # 108-2347
Replaces: 20291150
CLIP-REVEAL MOULDING, BACK GLASS
Plastic
G.M. "J" Body '82/
UNIT PACKAGE 25

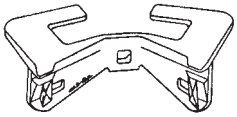
TOYOTA



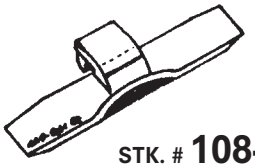
STK. # 108-2302
Replaces: 75546-12020 & 94841436
CLIP-WINDSHIELD MOULDING
Plastic
Toyota Corolla '84/, G.M. Nova '85/
UNIT PACKAGE 25



STK. # 190-6770
Replaces: 9446745B
CLIP-WINDSHIELD MOULDING
Plastic
G.M. Geo Storm '90/
UNIT PACKAGE 10



STK. # 108-2306
Replaces: 75545-16020
CLIP-WINDSHIELD MOULDING
Plastic
Toyota Corolla Tercel '83
UNIT PACKAGE 25



STK. # 108-2319
Replaces: 94842802
CLIP-REAR WINDSHIELD REVEAL MOULDING, SELF ADHESIVE
Orange Plastic
G.M. Nova '85/
UNIT PACKAGE 10

Windshield & Moulding Clips/Retainers

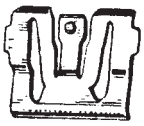
FORD



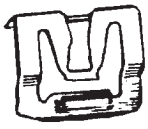
STK. # 108-2031
Replaces: D1AZ-6542113-B
CLIP-WINDSHIELD & REAR WINDOW REVEAL MOULDING
Stud Attaching Type
Ford Mercury '65/, Mustang '66/, AMC '67 - '75
Also Can Be Used Mazda '74
UNIT PACKAGE 100



STK. # 108-2039
CLIP-REVEAL MOULDING WINDSHIELD & BACK GLASS
Ford Mustang '67/
UNIT PACKAGE 100



STK. # 108-2078
Replaces: D0DZ-6203174-C
CLIP-WINDSHIELD REVEAL MOULDING & BACK GLASS
Maverick '69, Pinto '72
UNIT PACKAGE 25



STK. # 108-2049
Replaces: C8AB-6342413-C
CLIP-REVEAL MOULDING & BACKGLASS
Ford Fairlane, Mercury Meteor, Comet '68, Datsun '70/
UNIT PACKAGE 100



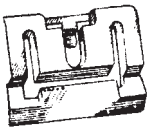
STK. # 171-3467
Replaces: D1AZ-6542413-B
CLIP-WINDSHIELD REVEAL MOULDING
Ford '71 / '94, Ford "F" Series Tr. '91 / '96
(Used on cars with aluminum mouldings to avoid damage to moulding)
UNIT PACKAGE 100



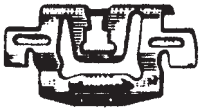
STK. # 297-7736
Replaces: E0AZ-5442487-A
RETAINER-BACK GLASS MOULDING
Lower, Plastic
Formerly 80-5203
Ford '80
UNIT PACKAGE 15



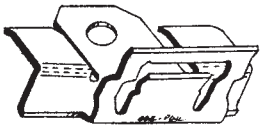
STK. # 108-2186
Replaces: D8VZ-6003166-A
CLIP-WINDSHIELD & REAR GLASS REVEAL MOULDING
Used to reduce glass breakage.
Ford Cars and Vans '78/
UNIT PACKAGE 100



STK. # 108-2213
Replaces: D9AZ-5403178-A
CLIP-WINDSHIELD TOP REVEAL MOULDING
Ford '79/
UNIT PACKAGE 100



STK. # 108-2246
Replaces: E25Z-54030A16A
CLIP-WINDSHIELD REVEAL MOULDING
Ford '82/
UNIT PACKAGE 25



STK. # 182-5544
Replaces: E25Z-5403178BD
CLIP-WINDSHIELD & BACK GLASS REVEAL MOULDING
Ford '82/
UNIT PACKAGE 25



STK. # 109-6341
Replaces: E7SZ-6342413A
CLIP-BACK GLASS MOULDING
Ford Thunderbird '87/
UNIT PACKAGE 50

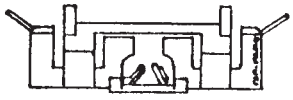


STK. # 108-2265
Replaces: E3SZ-6342413-A
CLIP-WINDSHIELD & REAR GLASS REVEAL MOULDING
Ford Topaz, Tempo, T-Bird Cougar '83/
UNIT PACKAGE 50

MAZDA/FORD



STK. # 189-6571
Replaces: B092-50-609
CLIP-MOULDING BACK GLASS
Gray Plastic
Ford Probe '88/, Mazda MX6 '88/ Tracer '87/
UNIT PACKAGE 25

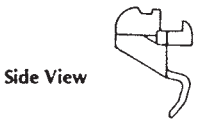


STK. # 108-2317
Replaces: HA01-50-609
CLIP-WINDSHIELD REVEAL MOULDING
Plastic
Mazda Truck '86/ Tracer '87/
UNIT PACKAGE 25



STK. # 109-6328
Replaces: B092-50-608
CLIP-WINDSHIELD MOULDING
Plastic
Mazda 626 2 Door '86/ Tracer '87/
UNIT PACKAGE 15

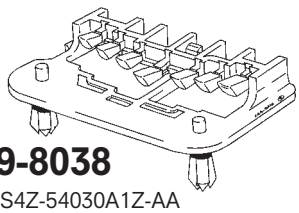
Windshield & Moulding Clips/Retainers



STK. # 190-6812
Replaces: B092-50-919 & E7GZ-6142308-B
CLIP-REAR WINDOW MOULDING
Gray Plastic
Mazda 323 '88/
Mercury Tracer '88/
UNIT PACKAGE 15

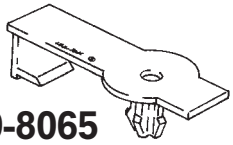


STK. # 190-6811
Replaces: KA01-506G7
CLIP-REAR WINDOW MOULDING
Gray Plastic
Ford Probe '89/
UNIT PACKAGE 15



199-8038
Replaces: YS4Z-54030A1Z-AA
BLOCK-WINDSHIELD SETTING
Plastic-Pin Drive Mounting
Mounts in 2-M6 Holes
Ford Focus 2000
UNIT PACKAGE 5

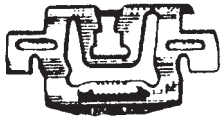
CHRYSLER



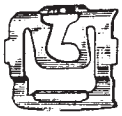
STK. # 199-8065
Replaces: 5008055AA
GROMMET-WINDOW TO REGULATOR
Plastic
Hole: M12.7, Glass Thickness 3.5MM
Screw M6.3
Chrysler Neon 2000
UNIT PACKAGE 15



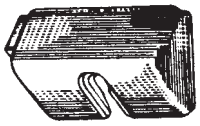
STK. # 195-7418
Replaces: 6002263
CLIP-WINDSHIELD & REAR WINDOW
REVEAL MOULDING Upper & Side
Formerly 67-3106
Chrysler, Dodge & Plymouth '65 - '72
UNIT PACKAGE 25



STK. # 108-2129
Replaces: 6003426
CLIP-WINDSHIELD REVEAL MOULDING
Chrysler '73/
UNIT PACKAGE 50



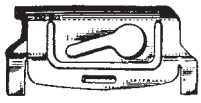
STK. # 199-8126
Replaces: 6003409 & 6003916
CLIP-QUARTER WINDOW OUTSIDE
REVEAL MOULDING
WINDSHIELD & BACK GLASS
REVEAL MOULDING
Emergency Clip
Chrysler '74/, Trucks '85/
UNIT PACKAGE 50



STK. # 175-4184
Replaces: 3793876
SPACER-LOWER REAR WINDSHIELD
Chrysler '76
UNIT PACKAGE 50



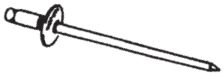
STK. # 109-6414
Replaces: 6003827
CLIP-WINDSHIELD MOULDING
UPPER, METAL w/PLASTIC SLEEVE
Chrysler Dodge Daytona '84/
UNIT PACKAGE 10



STK. # 177-4711
Replaces: 4006211
CLIP-WINDSHIELD & REAR GLASS
REVEAL MOULDING
Plastic, Various Jeep Models
"YJ", "CJ" & "XJ"
American Motors '78/
UNIT PACKAGE 100



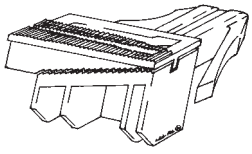
STK. # 192-7069
Replaces: 20180200 & 6031872
BLIND RIVET w/SHOULDER
3/32" Alum. Rivet, 1/8" Dia. Shoulder
w/Steel Mandrel
Shoulder Length - 1/8", Flange Dia. 7/32"
Replaces Weld-On Stud for Attaching
Stud Style Moulding Clips to Panels
UNIT PACKAGE 50



STK. # 118-3295
Replaces: 20325696
BLIND RIVET
1/8" Rivet, 5/16" Flange
.125 - .187 Grip Range
Alum. Rivet, Steel Mandrel Zinc
G.M. Rear Window Gasket Various Models
UNIT PACKAGE 50



STK. # 189-6631
Replaces: N805759-S100
BLIND RIVET
Black Aluminum w/Steel Mandrel
1/8" Dia. 3/8" Domed Flange
.063-.125 G.R.
Windshield Side Rail
Ford T-Bird & Cougar '89/
UNIT PACKAGE 50



STK. # 199-8125
Replaces: 55256976AC
BLOCK-WINDSHIELD SPACER
Plastic- Adjustable
Dodge Dakota & Durango '97/
UNIT PACKAGE 5



STK. # 199-8089
Replaces: 55275388AB, 55275388AC
BLOCK-WINDSHIELD SPACER
Adjustable- Plastic
Dodge Pick Ups & Grand Cherokee '94/
UNIT PACKAGE 10

Windshield & Moulding Clips/Retainers



STK. # 192-7026
Replaces: N620370-S36
STAMPED NUT
M4-0.7 w/14MM Flange w/Sealer
9MM A/F
Ford Trucks Back & Side Glass
General Usage
UNIT PACKAGE 50



STK. # 108-2061
SCREW-WINDSHIELD & REAR WINDOW
REVEAL MOULDING
Attaching Screw
Phillips Oval Head No. 8 x 3/8"
Bright Zinc
Chrysler '62 & General Purpose
UNIT PACKAGE 100



STK. # 108-2044
SCREW-IN STUD
Replaces Weld-on Stud Used for
Attaching Moulding Clips To Body
No. 4 x 5/8", 3/16" Shoulder
Stainless Steel
G.M., Ford, Chrysler All Models
UNIT PACKAGE 100



STK. # 175-4194
SCREW-WINDSHIELD & REAR
WINDOW REVEAL MOULDING CLIP
Attaching Screw with Sealer
No. 9. 8 x 3/8"
Bright Zinc
Chrysler, Ford, G.M. & General Purpose
UNIT PACKAGE 100



STK. # 108-2056
SCREW-IN STUD
Replaces Weld-on Stud Used for
Attaching Moulding Clips To Body
Shorter Length For Shallow Areas
Phillips Flat Head No. 4 x 3/8"
Bright Zinc
UNIT PACKAGE 100



STK. # 196-7584
Replaces: F1TZ-17698-A, F5RZ-A, C9AZ-C
BRACKET-REAR VIEW MIRROR
(Windshield Mount)
Fits Mirror F0TZ-17700-A & F2AZ-17700-A
Ford Full Size, Taurus, Sable, Contour,
Mystique, Mustang, Continental, Escort,
Tracer '91/
UNIT PACKAGE 10

Window Parts

G.M.



STK. # 197-7664
Not Supplied By O.E.
CLIP, DOOR & QUARTER
GLASS CHANNEL
Formerly SC-3166
G.M. Cars
UNIT PACKAGE 50



STK. # 105-0110
Replaces: 4887980
CLIP-GLASS RUN CHANNEL
G.M. Compact Cars '63 - '64
UNIT PACKAGE 100



STK. # 108-2321
CLIP-DOOR & QUARTER GLASS
OUTER WEATHER STRIP
G.M., Ford & Chrysler
Some Imports
UNIT PACKAGE 50



STK. # 296-7550
Replaces: 10169777
CLIP-WEATHERSTRIP DOORS
Hole: M5, Head: 11MM
O/L: 9.5MM
Black Plastic
Chevrolet "W" Bodies '95/
UNIT PACKAGE 25



STK. # 196-7509
Replaces: 22567463
RETAINER- HOOD SEAL
Plastic-Black
Hole Dia: M6.3, Stem Lgth: 16MM
Head Dia: 16MM
G.M. "N" Body '92/'93
UNIT PACKAGE 50



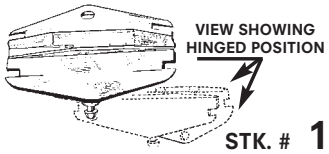
STK. # 297-7702
Not Supplied By O.E.
RETAINER - WEATHERSTRIP
Plastic
Hole: M5, Max PR.: 2.5-4MM
Ford Windstar '95/
UNIT PACKAGE 50



STK. # 298-7773
Replaces: W702010-S300
CLIP - WEATHERSTRIP
Body Side to Door-Upper
Plastic-Black
Hole: M8, Head Dia: 16MM
Ford Contour & Mystique 95/
UNIT PACKAGE 25

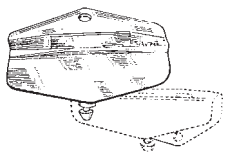


STK. # 193-7173
Replaces: 4001916
CLIP-WEATHERSTRIP
Nylon
Hole: 5/16", Head: 3/16" x 9/16",
P.R.: .050
Jeep & G.M. Trucks
UNIT PACKAGE 50

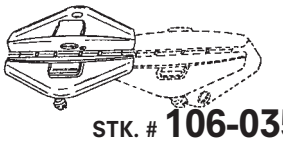


STK. # 180-5161
Replaces: 10051034, 10114597,
12338011, 20123070 & 20328600
GUIDE-FRONT DOOR WINDOW
G.M. '80/, Buick
Cadillac & Olds 'B', 'C' & 'X' Bodies
S-Truck '82 - '90, 'A' Bodies '82 - '86
UNIT PACKAGE 25

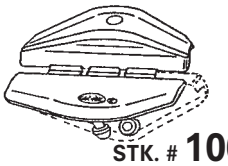
Window Parts



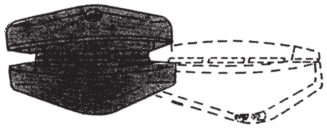
STK. # 106-0340
Replaces: 20160591
GUIDE-REAR DOOR WINDOW
G.M. '80/ Wagons 'B', 'C' & 'X' Bodies
UNIT PACKAGE 25



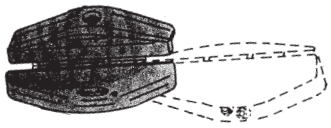
STK. # 106-0356
Replaces: 20484630, 20712172 & 20712176
GUIDE-FRONT DOOR WINDOW (FRONT)
G.M., Olds & Buick 'N' Bodies '85/'91
U-Van '90/'96
UNIT PACKAGE 25



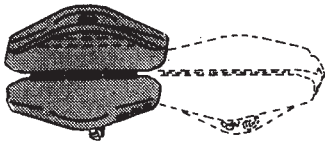
STK. # 106-0357
Replaces: 20478733 & 22539533
GUIDE-FRONT DOOR WINDOW (REAR)
Plastic
G.M., Olds & Buick 'C' & 'N' Bodies '85/
U-Van '90/
UNIT PACKAGE 25



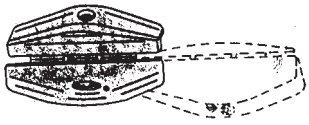
STK. # 187-6295
Replaces: 20162174 & 22543363
GUIDE-FRONT DOOR WINDOW
Plastic
G.M., 'J' Bodies '82/
UNIT PACKAGE 25



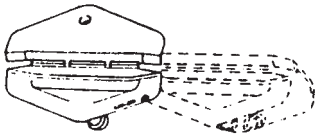
STK. # 106-0363
Replaces: 20478732 & 20747509
GUIDE-FRONT DOOR WINDOW (REAR)
Plastic
G.M., 'C' & 'H' Bodies '85/
UNIT PACKAGE 25



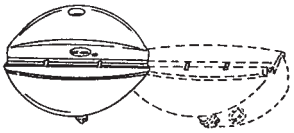
STK. # 187-6293
Replaces: 10087223
GUIDE-FRONT DOOR WINDOW (REAR)
Plastic
Chevrolet Corsica '87/
UNIT PACKAGE 25



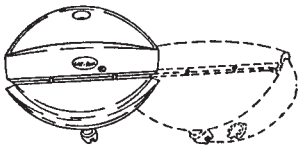
STK. # 188-6452
Replaces: 20493450
GUIDE-REAR DOOR WINDOW
Upper Plastic
Chevrolet Corsica '87/
UNIT PACKAGE 25



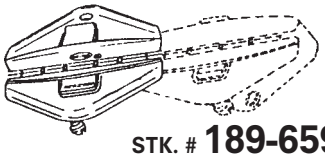
STK. # 194-7232
Replaces: 10087223, 10103130
GUIDE-FRONT DOOR WINDOW (REAR)
Plastic
Chevrolet Corsica '87/
UNIT PACKAGE 15



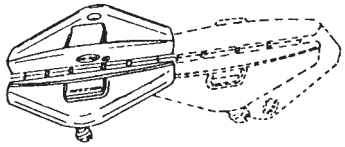
STK. # 106-0358
Replaces: 20345381 & 22539532
GUIDE-REAR DOOR WINDOW
Plastic
G.M. 'J' Bodies '82/
UNIT PACKAGE 25



STK. # 106-0359
Replaces: 20477850
GUIDE-REAR DOOR WINDOW
Plastic
G.M. 'C' Bodies '82/
UNIT PACKAGE 25



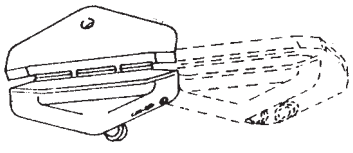
STK. # 189-6594
Replaces: 10051034 & 10114597 & 12338011
GUIDE-FRONT DOOR WINDOW
Plastic w/Adhesive Gasket
G.M. 'A' Bodies '87/, 'S' Trucks '88/
UNIT PACKAGE 10



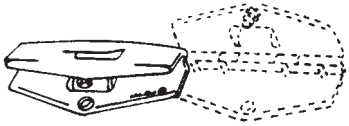
STK. # 189-6648
Replaces: 20747508 & 20487631
GUIDE-FRONT DOOR WINDOW
Plastic
G.M. 'C' Bodies '85/
UNIT PACKAGE 25



STK. # 106-0362
Replaces: 20180140 & 22543362
GUIDE-FRONT DOOR GLASS
Plastic
G.M. 'J' Bodies '82/
UNIT PACKAGE 25

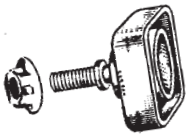


STK. # 192-7002
Replaces: 115647709
GUIDE-REAR SIDE DOOR WINDOWS
Plastic
G.M. S-10 Blazer 4 Door
UNIT PACKAGE 15

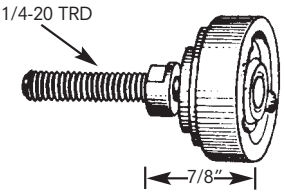


STK. # 194-7231
Replaces: 15953718, 15985762
GUIDE-FRONT DOOR WINDOW
Plastic
G.M. S Series Trucks '91/
UNIT PACKAGE 15

Window Parts



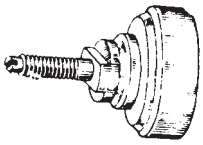
STK. # 106-0313
Replaces: D6AZ-5323240-A
ROLLER & NUT-WINDOW GUIDE
Ford Products '74/, Ford Pick-up '90/
UNIT PACKAGE 10



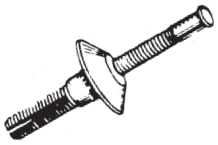
STK. # 106-0268
ROLLER-WINDOW REGULATOR
Ford '72
UNIT PACKAGE 10



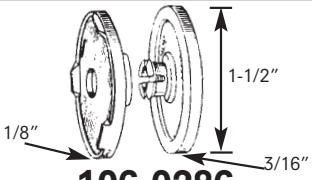
STK. # 171-3431
ROLLER-DOOR WINDOW
Ford Products '71
UNIT PACKAGE 10



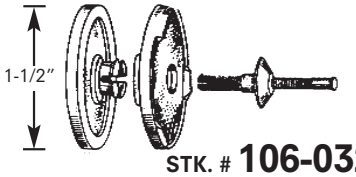
STK. # 171-3432
Replaces: D1AZ-57270A54-AB
ROLLER-QUARTER WINDOW
Ford Products '71
UNIT PACKAGE 10



STK. # 118-1031
Not Supplied By O.E.
RIVET-DOOR GLASS ATTACHING PARTS
Ford Products '73
UNIT PACKAGE 50



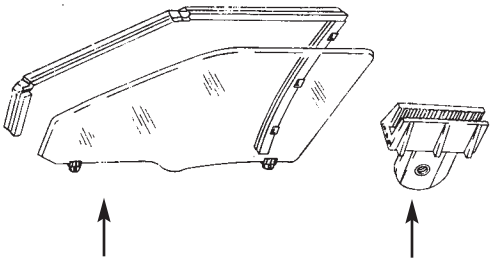
STK. # 106-0286
Not Supplied By O.E.
ROLLER-DOOR GLASS TO CHANNEL ATTACHING KIT
Ford Products '73/
UNIT PACKAGE 10



STK. # 106-0325
Not Supplied By O.E.
DOOR GLASS TO CHANNEL ATTACHING KIT
For Use On Thinner Glass
Ford Products '78
UNIT PACKAGE 10

FORD/IMPORTS

DOOR WINDOW BRACKET



STK. # 193-7102
Replaces: 69951-12180
BRACKET DOOR WINDOWS
Plastic w/M6-1.0 Threaded, Steel Insert
Can Be Used On Import and Various Domestic Vehicles
UNIT PACKAGE 5

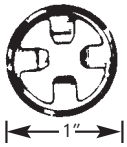
CHRYSLER



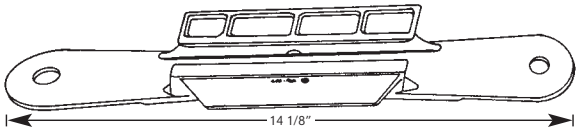
STK. # 106-0238
Replaces: 2811852
RETAINER-FOR GLASS GUIDE
Chrysler '69 - '70
UNIT PACKAGE 25



STK. # 194-7226
Replaces: 3696693, 3696691, 3744734
FASTENER-LOWER CHANNEL TO GLASS
G.M., Ford, Chrysler Vehicles '73/
General Purpose
UNIT PACKAGE 5



STK. # 106-0107
FASTENER-WINDOW REGULATOR ARM STUD
Chrysler Products
UNIT PACKAGE 50



STK. # 109-6468
Replaces: 4396736
LIFT-CHANNEL DOOR GLASS
FRONT DOOR
Plastic
Chrysler Products, Shadow, Sundance 2 Door '87
UNIT PACKAGE 1

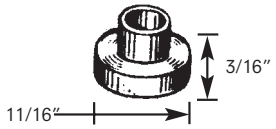
Window Parts

G.M.



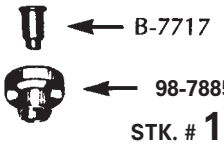
STK. # 106-0102

CLIP-REGULATOR ARM STUD
Ford, Lincoln, Mercury, Nash, Etc.
Chrysler Products '41 - '58
Chevrolet, GMC, Tilt Cab Trucks '60 - '64
Internat'l Harvester Trucks '57 - '64
UNIT PACKAGE 50



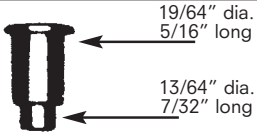
STK. # 198-7885

Not Supplied by O.E.
ROLLER-WINDOW REGULATOR
Plastic
Formerly RK-133
G.M. '57 - '66, AMC '63 - '66
UNIT PACKAGE 15



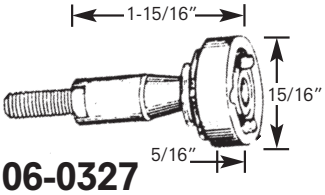
STK. # 198-7886

Not supplied by O.E.
ROLLER KIT-WINDOW REGULATOR
Contains: 1- Roller & 1-Rivet
Formerly RK-171, G.M. 57/66,
Suburban Rear Power Window
AMC '63 - '65
UNIT PACKAGE 10



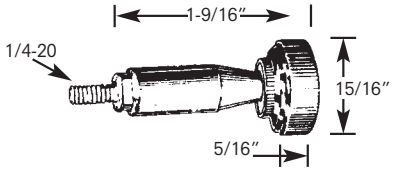
STK. # 118-1018

RIVET-WINDOW REGULATOR ROLLER
Rivet for One Piece Roller
(Use with 198-7885)
G.M. Cars '57 - '66
Rambler '63 - '66
UNIT PACKAGE 25



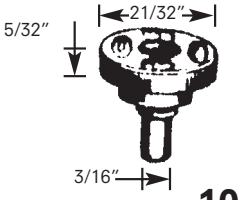
STK. # 106-0327

Replaces: 20148255
ROLLER-DOOR WINDOWS
M6 Shaft
G.M. '79/
UNIT PACKAGE 10



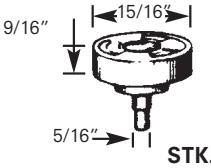
STK. # 106-0251

Replaces: 9841756
ROLLER-FRONT DOOR WINDOW
G.M. '71, 'B' & 'C' Models
UNIT PACKAGE 5



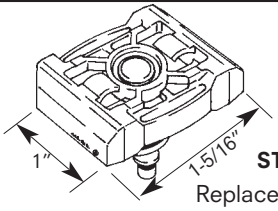
STK. # 108-2212

Replaces: 9723881
ROLLER & PIN-WINDOW REGULATORS
G.M. '74
UNIT PACKAGE 25



STK. # 106-0209

Replaces: 3069189
ROLLER-WINDOW REGULATOR AND CHANNEL
G.M. '65, Ford '71
G.M. 'J' Body '82 / '91
UNIT PACKAGE 25



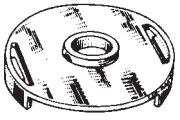
STK. # 298-7831

Replaces: 16624405
GUIDE- WINDOW REGULATOR to CHANNEL
Fits: 1" Channel, Rivet: .194 Dia.
G.M. '92
UNIT PACKAGE 10



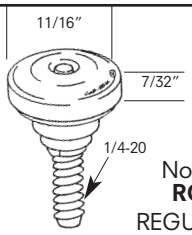
STK. # 184-5854

Not Supplied By O.E.
ROLLER ONLY (No Stud)
To Be Used On Unbroken Shaft For
Window Regulator & Door Window Guide
Camaro & Firebird '82/
(Press on w/Channel Lock Pliers)
UNIT PACKAGE 10



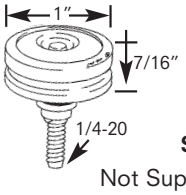
STK. # 106-0290

Not Supplied By O.E.
WASHER-FOR USE WITH NUT & BOLT ON DOOR GLASS ASSEMBLY
Plastic
Formerly 73-3904
Ford, Chrysler & G.M. '66 / '76
UNIT PACKAGE 10



STK. # 198-7819

Not Supplied By O.E.
ROLLER-WINDOW REGULATOR CHANNEL
Stud: 1/4-20 x 1/2", Roller Dia: 11/16",
Channel Depth 7/32"
G.M. Compacts & General Use
UNIT PACKAGE 5



STK. # 198-7820

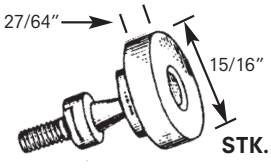
Not Supplied By O.E.
ROLLER-WINDOW REGULATOR CHANNEL
Stud: 1/4-20 X 1/2", Roller Dia: 1" w/Grove,
Roller Thickness: 7/16"
G.M., Various Models '67/
UNIT PACKAGE 5

FORD



STK. # 106-0202

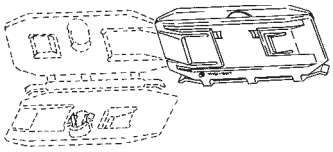
Replaces:C0AB-6423240
ROLLER - WINDOW REGULATOR
Ford, Mercury '65-'70, Edsel '59-'65
UNIT PACKAGE 25



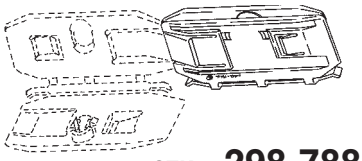
STK. # 198-7906

Not Supplied By O.E.
ROLLER-WINDOW REGULATOR CHANNEL
Stud: 1/4-20 X 7/16", Roller: 15/16 x 27/64"
Formerly 77-4528
Ford '74/
UNIT PACKAGE 10

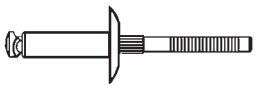
Window Parts



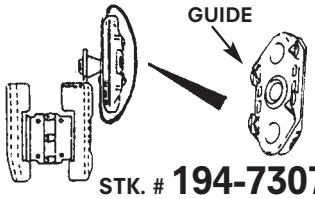
STK. # 296-7597
GUIDE-FRONT & REAR
DOOR WINDOW
Plastic
Saturn '96/
UNIT PACKAGE 5



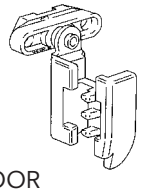
STK. # 298-7883
Replaces: 10274778
GUIDE-DOOR GLASS
Plastic
G.M. "U" Vans '97/
UNIT PACKAGE 10



STK. # 199-8075
Replaces: 9437643
BLIND RIVET-PEEL TYPE,
WINDOW REGULATOR
1/4" Rivet, 1/2" Flange, G.R.: .188 - .250
Aluminum Rivet w/ Steel Mandrel
Saturn '93/
UNIT PACKAGE 25



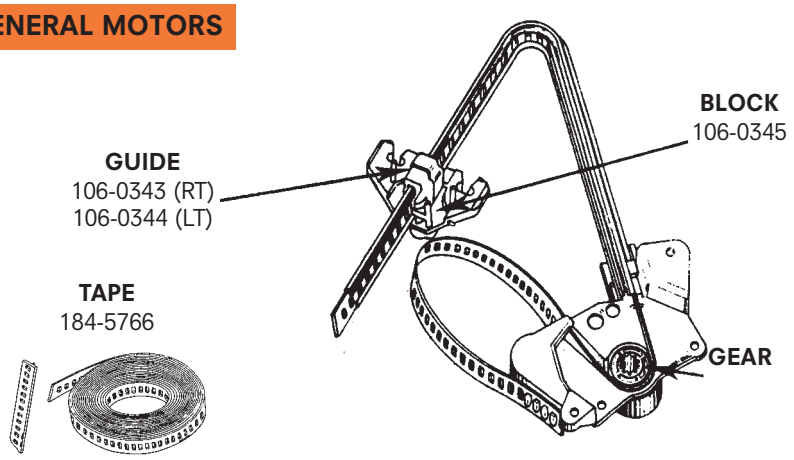
STK. # 194-7307
Not Supplied By O.E.
GUIDE-FRONT DOOR WINDOW REGULATOR
Guide Only/No Stud, Plastic
G.M. '85/
UNIT PACKAGE 5



STK. # 197-7666
Replaces: 20369894
GUIDE ASSEMBLY-FRONT DOOR
WINDOW REGULATOR
Formerly 85-5988
Right Side
G.M. "C" & "N" Bodies '85/
UNIT PACKAGE 2

STK. # 197-7667
Replaces: 20369895
GUIDE ASSEMBLY-FRONT DOOR
WINDOW REGULATOR
Formerly 85-5989
Left Side
G.M. "C" & "N" Bodies '85/
UNIT PACKAGE 2

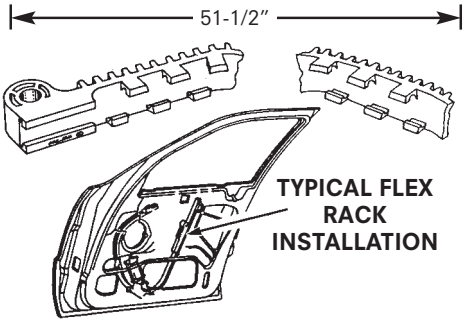
GENERAL MOTORS



The essential "Window Regulator Elastomeric Tape" and component parts for the power window regulator. The tape provides strength and flexibility over a broad temperature range. **For G.M. body families, A, B, C, X, trucks 1980 to present.**

STOCK NO.	Description	UNIT PKG.
184-5769	Tape	20' ROLL
106-0343	Guide (right)	BOX/10
106-0344	Guide (left)	BOX/10
106-0345	Block	BOX/25

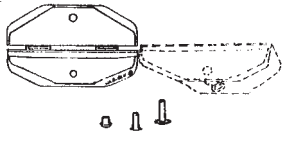
CHRYSLER



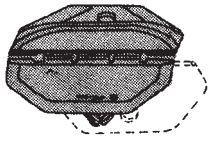
STK. # 189-6656
FLEX RACK-O/L 51-1/2" Cut Required
Length Used on Flex Drive Window
Regulator Assys.
Chrysler Products '86/
UNIT PACKAGE 1



STK. # 189-6709
CLIP-FOR GROOVED SHAFT
FLEX RACK to WINDOW MOTOR
Chrysler '86/
General Purpose
UNIT PACKAGE 50



STK. # 108-2336
Replaces: 4339372
GUIDE-DOOR GLASS SLIDE
w/Rivets
Chrysler: LeBaron, GTS, Dodge Lancer,
Sundance, Shadow, Acclaim Spirit '89/
UNIT PACKAGE 25

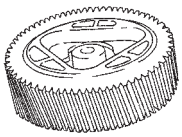


STK. # 109-6361
Replaces: 4330292 & 4482493, 55135216
GUIDE-DOOR GLASS
Plastic
Dodge Dakota Pick-up '87 /
UNIT PACKAGE 15

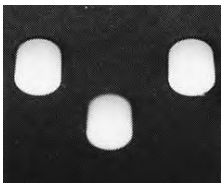
Window Parts



Typical Gear Assembly



STK. # 297-7746
Not Supplied By O.E.
GEAR-FOR POWER WINDOW REGULATOR
2-1/2" O.D. Nylon Gear Only
Ford '89/
UNIT PACKAGE 1

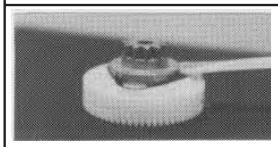


STK. # 196-7581
TORQUE PIN KIT
Kit Contains 3 Torque Pins
Ford '64/, Chrysler '64/
UNIT PACKAGE 5 (Kits)

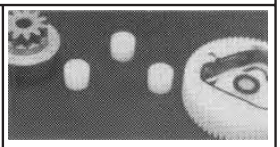
STK. # 197-7760
Not Supplied By O.E.
KIT-FOR POWER WINDOW REGULATOR
Contains: 1-2-1/2" O.D. Nylon Gear (97-7746)
3 Torque Pins (96-7581)
Ford '89/
UNIT PACKAGE 1 (KIT)

INSTRUCTIONS

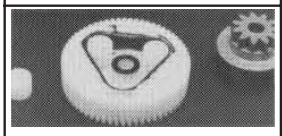
1. Remove Gear from Motor



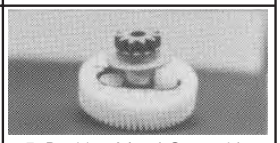
2. Separate Metal & Nylon Gear



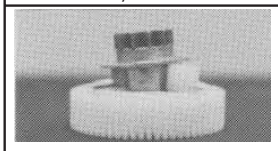
3. Remove Worn Torque Pins



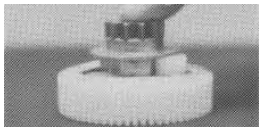
4. Position **2** New Torque Pins in Nylon Gear



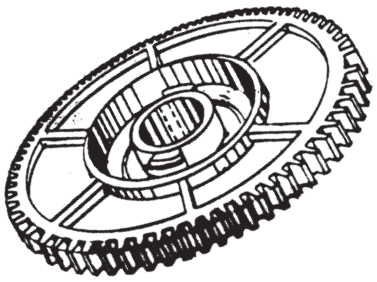
5. Position Metal Gear with **2** Torque Pins in Place



6. Position 3rd Torque Pin

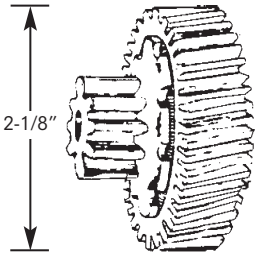


7. Press Metal Gear Down Until Fully Seated



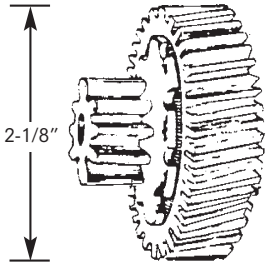
STK. # 106-0346
GEAR ONLY
w/Screws & Nuts
Plastic
UNIT PACKAGE 1

GEAR
7 Teeth
106-0305



STK. # 106-0305
D0VY-53234A24A
TAILGATE-POWER WINDOW GEAR (7-Tooth)
Ford Products Station Wagon '70/
Station Wagon Tailgate Also All
Ford Products Electric Windows
With Vent Glass
UNIT PACKAGE 1

GEAR
7 Teeth
106-0306



STK. # 106-0306
D0AZ-62234A24A
GEAR-POWER WINDOW REGULATOR (9-Tooth)
Ford '64/
UNIT PACKAGE 1

Door Trim Parts

G.M.



STK. # 108-2092
Replaces: 9818648 & 9883583
RETAINER-PANEL
Nylon
G.M. '71/
UNIT PACKAGE 100



STK. # 177-4629
Replaces: 3065575
RETAINER - DOOR TRIM PANEL
Cadillac '77, G.M. '78
"C" Bodies '85/
UNIT PACKAGE 100

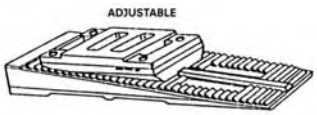


STK. # 182-5541
Replaces: 20374473
RETAINER-TRIM PANEL
Camaro & Firebird '82
UNIT PACKAGE 50

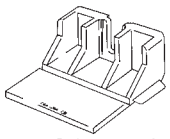
Assorted Window and Door Parts



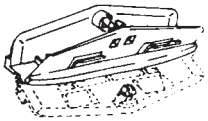
STK. # 108-2087
Replaces: 9854717
CLIP-WINDSHIELD & REAR WINDOW MOULDING
G.M. '71
UNIT PACKAGE 100



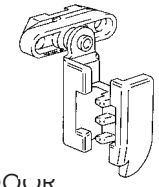
STK. # 108-2343
Replaces: E9SZ-63030A12-A
SPACER BLOCK-WINDSHIELD
Adjustable Style
Black Plastic
Ford Most Models '80/
UNIT PACKAGE 10



STK. # 197-7633
Replaces: 5255110
BLOCK-WINDSHIELD SPACER
Brown Plastic
Replaces Original Dissolvable Block
Chrysler Mini Vans '84/
UNIT PACKAGE 10



STK. # 199-8031
Replaces: 10142872
GUIDE-FRONT DOOR WINDOW
Plastic
G.M. "A" Bodies '90/
UNIT PACKAGE 10

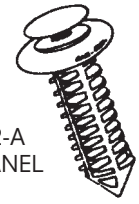


STK. # 197-7666
Replaces: 20369894
GUIDE ASSEMBLY-FRONT DOOR WINDOW REGULATOR
Right Side
G.M. "C" & "N" Bodies '85/
UNIT PACKAGE 2

STK. # 197-7667
Replaces: 20369895
GUIDE ASSEMBLY-FRONT DOOR WINDOW REGULATOR
Left Side
G.M. "C" & "N" Bodies '85/
UNIT PACKAGE 2



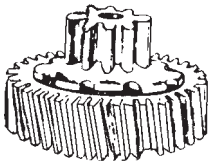
STK. # 199-8054
Replaces: 391349-SS
RETAINER-COWL VENT
Plastic w/Matte Finish
Hole: M6.3, Head: 17.4MM, O/L: 22.2MM
Ford Full Size '92/
UNIT PACKAGE 50



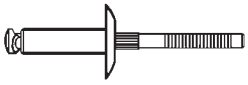
STK. # 296-7501
Replaces: F58Z-16237A02-A
RETAINER-DOOR TRIM PANEL
Yellow Plastic
Hole: 5/16", Head Dia.: 1/2"
O/L: 15/16"
Ford Windstar '95/
UNIT PACKAGE 100



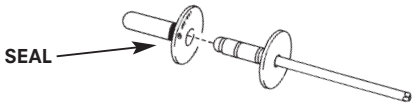
STK. # 296-7547
Replaces: 6502991
RETAINER-DOOR TRIM PANEL
Yellow Plastic
Hole: M7.5, O/L 32.5MM
Mid Head Dia.: 16MM
Chrysler Sebring '96, Jeep Cherokee '93/
UNIT PACKAGE 25



STK. # 106-0316
GEAR-POWER WINDOW REGULATOR
(9-Tooth)
Chrysler '75-'89
UNIT PACKAGE 1



STK. # 184-5812
Replaces: 388047-S100
BLIND RIVET-OUTSIDE DOOR HANDLE RETAINER
Peel Type, Aluminum Rivet w/Steel Mandrel
1/4" Rivet, Flange: 1/2", G.R.: .090 - .115
Yellow Chromate Mandrel
UNIT PACKAGE 25



STK. # 199-8008
Replaces: 90269-05054
BLIND RIVET-GAS FILLER DOOR
Rivet: M5, Flange: 14MM, G.R.: 3-8MM
Aluminum Rivet w/Steel Mandrel
w/Plastic Seal
Toyota Camry '98/
UNIT PACKAGE 10



STK. # 180-5157
TRIM SCREW
8-18 x 1" Phillips Oval Head
w/Counter Sunk Washer
Black Finish
UNIT PACKAGE 100



STK. # 186-6064
SCREW-DRILL POINT
8-18 x 7/16" Phillips Rd. Washer Head
7/16" Washer Head Dia.
Black Finish
UNIT PACKAGE 100



STK. # 210-4507
PLASTIC RAZOR BLADE
Won't Harm Plastic Coated Windows or Other Hard Surfaces
UNIT PACKAGE 25

Door Trim Parts



STK. # 108-2268
Replaces: 15600382 & 20421800
RETAINER-DOOR PANEL
G.M. '83/, "C" Bodies '85/,
"M" Vans '85/
UNIT PACKAGE 25



STK. # 191-6897
Replaces: 20734005
RETAINER-DOOR PANEL TRIM
Yellow Plastic
Hole: 1/4"
G.M. Various Models
UNIT PACKAGE 50



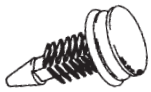
STK. # 108-2254
Replaces: 67771-12010-F & 95005964
RETAINER-TRIM PANEL
G.M. Nova '85/, Toyota
UNIT PACKAGE 25



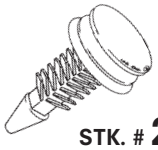
STK. # 108-2312
Replaces: 15596301
RETAINER-DOOR TRIM PANEL
SIDE REAR DOOR
Plastic
G.M. "M" Van '85/
UNIT PACKAGE 50



STK. # 194-7244
Replaces: 15612948
RETAINER-FRONT DOOR TRIM PANEL
Plastic
Hole: 1/4"
G.M. "CK" Truck '88/
UNIT PACKAGE 25



STK. # 298-7763
Replaces: 15986673, 22646099
RETAINER-DOOR PANEL
Plastic
Hole: M7, O/L: 28MM,
Head Dia: 18MM
G.M. "J", "L", "M" "S" & "T" Bodies '94/
UNIT PACKAGE 25



STK. # 297-7622
Replaces: 10285935
RETAINER-DOOR PANEL
Plastic
Hole Dia: M7, O/L: 30MM
Head Dia: 18MM
G.M. "U", "W" & "Y" Bodies '97
UNIT PACKAGE 50



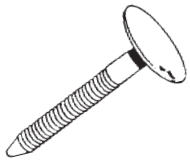
STK. # 108-2114
Replaces: 9685057, 6003349
& 385661-S
RETAINER-DOOR TRIM PANEL
Nylon
(Used on Cardboard Panel)
Chrysler '72, Valiant, Dart,
Duster, Demon, Cadillac '77, Ford
UNIT PACKAGE 100



STK. # 193-7184
Replaces: 6033862, 796255 & 0501094C1
RETAINER-DOOR PANEL
Plastic
Hole: 1/4"
Jeep Wrangler '91/
G.M. Vehicles Thru '88, Navistar Trucks
UNIT PACKAGE 25



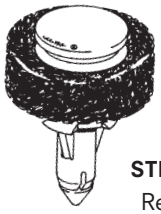
STK. # 195-7379
Replaces: 15960325
RETAINER-DOOR TRIM PANEL
Plastic
Hole: M7
G.M. "CK" Trucks '95
UNIT PACKAGE 25



STK. # 108-2313
Replaces: 20430421
RETAINER-DOOR PANEL TRIM
G.M. "N" Body '85/
UNIT PACKAGE 50



STK. # 178-4839
Replaces: 388499-S
RETAINER-DOOR PANEL ATTACHING
Ford '78 1/2/
UNIT PACKAGE 50



STK. # 199-8061
Replaces: 25704141
RETAINER- DOOR PANEL
Hole: M9, Head: 19.5MM, O/L: 27.8MM
Plastic
G.M. "B", "G" & "H" Bodies 2000/
UNIT PACKAGE 10



STK. # 199-8062
Replaces: 25707329
RETAINER - DOOR PANEL
Hole: M9, Head: 19.5MM, O/L: 41MM
Plastic
G.M. "B", "G" & "H" Bodies 2000/
UNIT PACKAGE 10



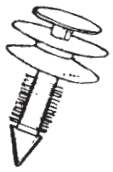
STK. # 199-8168
Replaces: 22607698
RETAINER-FRONT & REAR DOOR PANEL
Plastic with seal
Hole: M9, Upper Hd: 13MM,
Trim Thk: 3MM, O/L: 26.5MM
G.M. 'N' Bodies '99/
UNIT PACKAGE 25

Door Trim Parts

FORD



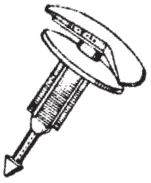
STK. # 108-2171
Replaces: 387477-S
RETAINER-TRIM PANEL
Ford '77
UNIT PACKAGE 100



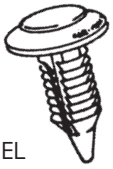
STK. # 108-2234
Replaces: 389144-S
RETAINER-DOOR TRIM PANEL
Ford '81
UNIT PACKAGE 50



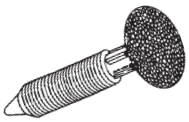
STK. # 182-5590
Replaces: N-801925
RETAINER-DOOR TRIM PANEL
Ford '81/
UNIT PACKAGE 25



STK. # 178-4804
Replaces: 387496-S
RETAINER-PANEL RETAINING
Ford '78
UNIT PACKAGE 50



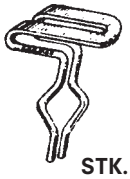
STK. # 188-6502
Replaces: N805155-S
RETAINER-DOOR TRIM PANEL
Hole: 5/16", 3/32" Panel Thickness
1/16 to 9/16" Grip Range
Black Plastic
Ford Various Models '88/,
Dodge Truck '96/
UNIT PACKAGE 50



STK. # 198-7879
Replaces: N807155
RETAINER-DOOR PANEL
Hole:M7, Head:15MM, P.R.: 16.5MM
Plastic-Paint to match
Ford Explorer, Windstar & Ranger '91/
UNIT PACKAGE 25



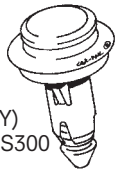
STK. # 298-7880
Replaces: N807154-S
RETAINER- DOOR PANEL
Grey Plastic - Paint to Match
Textured Head
Hole: M7, Head: 19MM, P.R.: 2-16MM
Ford Explorer, Windstar & Ranger '91/
UNIT PACKAGE 25



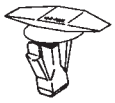
STK. # 108-2162
Replaces: 371520-S-2
RETAINER-DOOR TRIM PANEL
(Used on Padded Panels)
Ford '75
UNIT PACKAGE 100



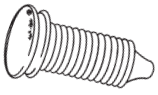
STK. # 172-3591
Replaces: 383033-S101
RETAINER-DOOR TRIM PANEL
with/ANTI-RATTLE WEDGE
w/o Insulation
Ford '68
UNIT PACKAGE 100



STK. # 199-8067
Replaces: W706035-S300 (ASSY)
W706038-S300 (PIN) & W706739-S300
(GROMMET)
RETAINER-DOOR PANEL
Plastic
Hole: M8.5, Middle Flange: 19.5MM,
P.R.: 1.2MM
Ford Taurus/Sable 2000
UNIT PACKAGE 25



STK. # 199-8114
Replaces: N806289-S, N806340-S
RETAINER- WEATHERSTRIP
Plastic
Hole: M4.8, Head: 5 x 15MM,
P.R.: .8 - 1.95MM
Ford F150 Pick Ups '97/
UNIT PACKAGE 100



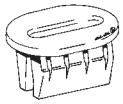
STK. # 199-8110
Replaces: N807943-S
RETAINER-INTERIOR TRIM
Hole: M7, Upper Head: 13MM,
Lower Head: 12MM P.R. :0.8-10MM
Plastic
Ford Mustang '95/
UNIT PACKAGE 25



STK. # 108-2008
RETAINER-DOOR TRIM PANEL BOTTOM
Ford, Lincoln Mercury
All Chrysler Products
UNIT PACKAGE 100



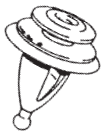
STK. # 167-3100
Replaces: Ford 358470
Chrysler 1900654
RETAINER-DOOR TRIM PANEL
Ford & Chrysler '67 - '68
UNIT PACKAGE 100



STK. # 197-7691
Replaces: N806577-S
GROMMET- NUT, DOOR-PANEL
Plastic
Hole Dia: 7 x 20MM
Washer Face: 15 x 25MM,
Panel Range: 0.80-3.9MM,
Screw: #8 or M4.2
Ford Econoline E150 '97/
UNIT PACKAGE 50

Door Trim Parts

CHRYSLER



STK. # 191-6893
Replaces: MB 3742 70 & MB 3742 71
RETAINER-DOOR TRIM PANEL
Plastic
Hole: M9
Chrysler Laser '89/, Stealth '91
Jeep Eagle & Talon '90/
UNIT PACKAGE 15



STK. # 296-7521
Replaces: 6504014, 6503896 & 6542907
RETAINER-DOOR PANEL
Plastic
Hole: M6.7
Chrysler Neon '95/
Dodge Pick-Up '94/
UNIT PACKAGE 100



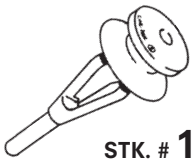
STK. # 298-7775
Replaces: 6503204
CLIP-DOOR TRIM PANEL
Plastic-Green
Hole: M7, Stem Lgth: 15MM,
Panel Thickness: 2MM
Chrysler Mini Van, Cirrus,
Stratus, Breeze '95/
UNIT PACKAGE 50



STK. # 298-7776
Replaces: 6504452
CLIP-DOOR TRIM PANEL
Plastic-Yellow
Hole: M7, Stem Lgth: 14MM
Panel Thick: 1MM
Chrysler, Mini Van '97/
UNIT PACKAGE 50



STK. # 298-7784
Not Supplied By O.E.
RETAINER-DOOR PANEL
Plastic
Hole: M9.5 , Stem Lgth: 14MM,
P. R.: .80-1.50MM
Chrysler Mini Vans '97/
UNIT PACKAGE 25



STK. # 198-7893
Replaces: MB566719
RETAINER-DOOR CLADDING
Plastic
Hole:M7, Head:12MM, P.R: 2MM
Chrysler Sebring, Concord & Talon '96/
UNIT PACKAGE 15

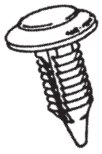


STK. # 183-5618
Replaces: 7703-077-066 & 6501-227
RETAINER-REAR WINDOW MOULDING
AMC-Renault Alliance '83
Chrysler (Door Panel) '85/
UNIT PACKAGE 25



STK. # 172-3575
Replaces: 1623945
RETAINER-DOOR TRIM PANEL
Hole: 1/2"
Up to 1/8" Trim Panel Thickness
Chrysler '56 - 72"
UNIT PACKAGE 100

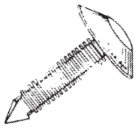
STK. # 194-7358
Replaces: 6002372 & 6003323
Formerly 79-5000, 77-4534
RETAINER-DOOR TRIM PANEL
Hole: 9/16"
Up to 5/64" Trim Panel Thickness
Chrysler Products
UNIT PACKAGE 50



STK. # 298-7805
Replaces: 6502709
CLIP-Door & Quarter Trim Panel
Plastic-Natural
Hole: 5/16, Grip Range: 1/16-9/16
Chrysler Mini Vans, Pick-ups
Sebring Convertible & Viper '94/
UNIT PACKAGE 50



STK. # 297-7623
Replaces: 15986343
RETAINER- DOOR TRIM PANEL
Plastic
Hole Dia: M7, O/L: 35MM
Head Dia: 19MM, Stem Lgth: 32MM
G.M. "M" Vans '94/
UNIT PACKAGE 25



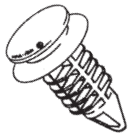
STK. # 178-4792
Replaces: 1699250
RETAINER-TRIM PANELS
Natural Plastic
G.M. '77
UNIT PACKAGE 50



STK. # 197-7723
Replaces: N801994
CLIP- TRIM PADS
Plastic
(Formerly 82-5489)
Hole: 3/16", Head: 3/4", Stem: 11/16"
Ford Products
UNIT PACKAGE 25



STK. # 199-8112
Replaces: 5GC71RC3AA,
5GF92RC3AA, N808791
RIVET - DRIVE TYPE, INTERIOR TRIM,
DASH & CONSOLE
Plastic, Push To Release
Hole: M9, Shoulder: 10 x 6.8MM,
Flg.: I9MM
Dodge Durango '98/, Ford Pick Ups '97/
UNIT PACKAGE 25

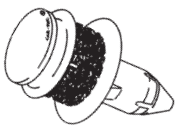


STK. # 199-8139
Replaces: 6505534AA
RETAINER-DOOR TRIM PANEL
Plastic
Hole: M7, Upper Head: 14MM,
O/L: 21MM, P.R.: .8 - 5.0MM
Chrysler Concorde, Intrepid,
LHS & 300M '98/
UNIT PACKAGE 50

Door Trim Parts



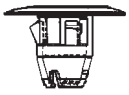
STK. # 199-8093
Not Supplied by O.E.
PIN-DOOR PANEL RETAINER
Plastic
Use w/99-8094
Upper Head: 13MM, Lower Head: 23MM,
O/L: 25MM
Chrysler LH 2000
UNIT PACKAGE 25



STK. # 199-8066
Replaces: 5023111AA
RETAINER-DOOR PANEL
Plastic-w/Seal
Hole: M9-9.5, Flange: 22M, P.R.: .66-1.91MM
Chrysler Neon 2000
UNIT PACKAGE 10



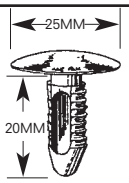
STK. # 199-8092
Replaces: 55350747AB
RETAINER - DOOR & TAIL GATE TRIM
Plastic
Hole: M8, Stem Length: 18MM,
P.R.: .8 - 1.5MM
Chrysler Mini Vans & Dodge Durango '98/
UNIT PACKAGE 15



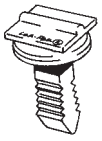
STK. # 199-8094
Not Supplied by O.E.
GROMMET-DOOR PANEL RETAINER
Plastic
Use w/ 99-8093
Hole: M9, P.R.: 1-1.75MM, Flange: 19MM
Chrysler LH 2000
UNIT PACKAGE 25

FORD

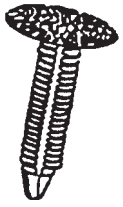
INTERIOR TRIM CLIPS IN COLOR for M7 Hole



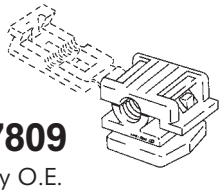
STOCK NO.	COLOR	UNIT PKG.
183-5655	Charcoal	Box/50
183-5656	Tan	Box/50
183-5667	Blue	Box/50
183-5668	Walnut	Box/50
183-5669	Gray	Box/50
185-5847	Black	Box/50



STK. # 298-7774
Replaces: W702412-5300
CLIP- "A" PILLAR
Plastic
Ford Contour & Mystique '95/
UNIT PACKAGE 25



STK. # 186-6097
Replaces: N-804349-S
RETAINER-INTERIOR TRIM
Black Plastic
Hole: M7
Grip Range Up To 30.0MM
Head Dia.: 25.0MM
Ford
UNIT PACKAGE 25

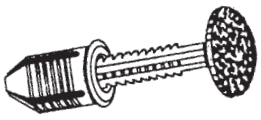


STK. # 298-7809
Not Supplied By O.E.
CLIP- DOOR LOCK ROD
Plastic
Rod Dia.: 4.8MM, Threaded
Ford Expedition & Navigator '97/
UNIT PACKAGE 10



STK. # 198-7807
Replaces: 5208743, 4006529
CLIP-TRIM PANEL, HEADLINER
Plastic-Textured Head
Hole: 3/16", Head: 3/4" P.R.: 3/32-13/32"
Formerly 186-6143
Chrysler & AMC '84 / '88
UNIT PACKAGE 50

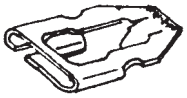
G.M.



STK. # 108-2358
Replaces: 42344830 & 14051674
CLIP-DOOR LOCK
G.M. Cars '55 - '75
Chev. GMC Trucks '82/
UNIT PACKAGE 25



STK. # 171-3445
Replaces: 42344830 & 14051674
CLIP-DOOR LOCK
G.M. Cars '55 - '75
Chev. GMC Trucks '82/
UNIT PACKAGE 50

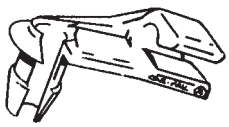


STK. # 188-6483
Replaces: 320931BS
CLIP-DOOR LOCK ROD
G.M. Various Models
UNIT PACKAGE 25

CHRYSLER



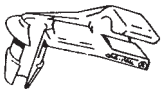
STK. # 177-4698
Replaces: 6003587
RETAINER-HEADLINING TRIM
Chrysler '77
UNIT PACKAGE 50



STK. # 297-7696
Replaces: 4658674
CLIP- DOOR LOCK ROD R.H.
Plastic-Red
Hole Dia: M6, Rod Dia: 4MM
Max P.R.: 2MM
Chrysler Cirrus, Stratus
Neon, Minivans, Pickups '95/
UNIT PACKAGE 25

STK. # 297-7697
Replaces: 4658675
CLIP- DOOR LOCK ROD L.H.
Plastic-Green
Hole Dia: M6, Rod Dia: 4MM
Max P.R.: 2MM
Chrysler Cirrus, Stratus
Neon, Minivans, Pickups '95/
UNIT PACKAGE 25

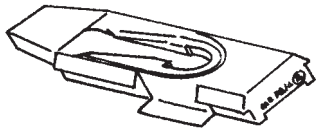
Body Panel Moulding Clips



STK. # 297-7698
Replaces: 4658445
CLIP- DOOR LOCK-ROD-L.H.
Plastic-Orange
Hole Dia: M5, Rod Dia: 3MM
Max P.R.: 2MM
Chrysler Cirrus, Stratus,
Neon, Jeep '95/
UNIT PACKAGE 25

STK. # 297-7699
Replaces: 4658444
CLIP- DOOR LOCK-ROD-R.H.
Plastic-Purple
Hole Dia: M5, Rod Dia: 3MM
Max P.R.: 2MM
Chrysler Cirrus, Stratus,
Neon, Jeep '95/
UNIT PACKAGE 25

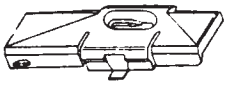
G.M.



STK. # 197-7674
Replaces: 15554088
CLIP- ROOF MOULDING
Plastic
G.M. "C", "K" Trucks '88/
UNIT PACKAGE 50



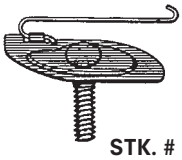
STK. # 108-2253
Replaces: 20199675
CLIP-BELT MOULDING
G.M. '80/, "C" Body '85/
UNIT PACKAGE 100



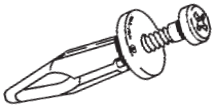
STK. # 194-7227
Replaces: 20218415
CLIP-REAR END BELT
REVEAL MOULDING
Plastic
Cars w/Vinyl Tops
Olds, Cutlass "G" Bodies '81 - '88
UNIT PACKAGE 15



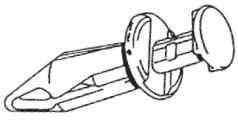
STK. # 298-7815
Not Supplied By O.E.
CLIP-T-BOLT TYPE for MOULDINGS
(Formerly 66-1175)
Bolt: 10-24 X 3/4" Plate: 5/16 X 3/4"
G.M. Cars & General Purpose
UNIT PACKAGE 25



STK. # 298-7817
Not Supplied By O.E.
CLIP- T-BOLT TYPE for MOULDINGS
(Formerly 66-3066)
Bolt: 10-24 X 3/4" Plate: 1/2 X 1-7/16"
General Purpose
UNIT PACKAGE 25



STK. # 199-7934
Replaces: 10246149
RIVET-SCREW TYPE
ROCKER PANEL MOULDING
Hole:M6, Flange:11MM, PR: 4.5-7.5MM
G.M. "N" Body '99/
UNIT PACKAGE 25



STK. # 192-7025
Replaces: 20730531
RIVET-DRIVE TYPE COWL VENT
Hole: M6, Flange: 15MM, P.R.: 5MM
Plastic
G.M., Saturn '91/
UNIT PACKAGE 25



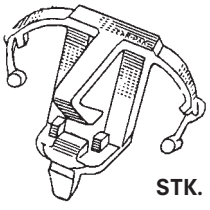
STK. # 195-7393
Replaces: 21094146 & 6501301
RETAINER-TRIM PANELS
Hole: M7.9, Head: 19MM,
Stem Length: 23MM
Black Plastic
G.M. Saturn '91/, Chrysler Mini Vans '87/
UNIT PACKAGE 25



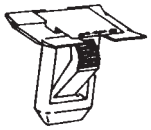
STK. # 190-6806
Replaces: 96057846,
09409-07308-281
RIVET-DRIVE TYPE (Removeable)
COWL SCREEN RETAINER
Hole: M6, Washer: 15M
P.R.: 2-5MM
Plastic
G.M. Geo Tracker '89/
Suzuki Sidekick '89/
UNIT PACKAGE 10



STK. # 190-6807
Replaces: 96057847
09409-07313
RIVET-DRIVE TYPE (Removeable)
RADIATOR GRILLE RETAINER
Hole: M6.3, Washer: 11MM
P.R.: 4-8MM
Plastic
G.M. Geo Tracker '89/
Suzuki Sidekick '89/
UNIT PACKAGE 10



STK. # 108-2277
RETAINER-REAR GLASS
LOWER GARNISH MOULDING
Cutlass, Monte Carlo, Grand Prix
& Regal Coupes '78/
UNIT PACKAGE 50



STK. # 188-6466
Replaces: 20462090
RETAINER-GARNISH MOULDING
INTERIOR
Plastic
G.M. "C, E, F, H, K" Bodies '82/
UNIT PACKAGE 25



STK. # 198-7887
Replaces: 20227160
RETAINER-INTERIOR TRIM
Plastic - Textured Head
Hole: 1/4", Hd: 23/32", P.R: 9/32"
Formerly 81-5454
G.M. Car & Truck '80/ & Japanese Cars
UNIT PACKAGE 25

Body Panel Moulding Clips



STK. # 172-3704
Replaces: 332364, 4004569
RETAINER-PLASTIC SHIELD, FENDERS AND ENGINE COMPARTMENT
Chevrolet & American Motors '74/
UNIT PACKAGE 100



STK. # 176-4384
Replaces: 1605396, 15958694, 6030441, 6502078, 388577-S
RETAINER-PLASTIC SHIELD, FENDERS AND ENGINE COMPARTMENT
G.M. Cars '76/, Chrysler Products '76/, Ford Products '76/
UNIT PACKAGE 100



STK. # 195-7387
Replaces: 6033082, 10121502, 390018-S
RETAINER*-COWL GRILLE
Hole: 1/4", Head: 11/16", Stem: 1-1/8"
Plastic
G.M., Ford, Chrysler
UNIT PACKAGE 50
*Long Version of 176-4384



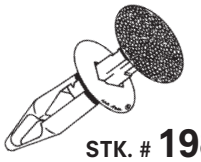
STK. # 193-7133
Replaces: 90058568
RETAINER-INSULATION PANEL
Hole: M8, P.R.: 7.0 - 15.0
Head: 20MM
Plastic
Formerly 89-6614
G.M. Import Vehicles & General Purpose
UNIT PACKAGE 25



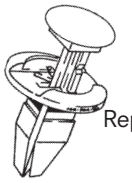
STK. # 185-5937
Replaces: 20514862
RETAINER-GRILLE TO SHROUD
Vent Grille to Windshield Shroud
Plastic
G.M. "N" & "L" Bodies '85/
UNIT PACKAGE 100



STK. # 187-6352
Replaces: 10062795
RETAINER-VENT GRILLE TO WINDSHIELD SHROUD
Plastic
G.M. "W" Bodies '88/
UNIT PACKAGE 50



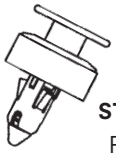
STK. # 198-7874
Replaces: 15153415
RIVET-DRIVE TYPE REAR BUMPER COVER
Plastic; Hole: M8.5, Flange: 17MM,
Head: 20MM P.R.: 5MM
G.M. "C/K" Trucks '99
UNIT PACKAGE 25



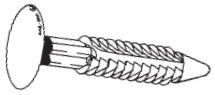
STK. # 199-8197
Replaces: 10425306, 10301966
RIVET-DRIVE TYPE
Cowl Vent
Plastic
Hole: M7.5 Slot, Flange: 17.8MM,
Stem: 13MM, P.R.: 1-3MM
Pontiac Aztek 2001/
UNIT PACKAGE 10



STK. # 199-8117
Replaces: 11517824, 21035345
RIVET - DRIVE TYPE, COWL, MLDG. LAMPS, INSTRUMENT PANEL
Plastic, Push To Release
Hole: M7, Head: 16MM, P.R.: 4.5-6.5
G.M. '92/, Saturn '93/ & Cadillac 'K' & 'E' Body '99/
UNIT PACKAGE 10



STK. # 199-8063
Replaces: 25696693
RETAINER-DOOR PANEL
Hole: M9, Head: 19.5MM, O/L: 31.6MM, P.R.: 1.8-2.0MM
Plastic
Cadillac Seville '98/
UNIT PACKAGE 10



STK. # 196-7588
Replaces: 10146315
RETAINER- FRONT BUMPER
Plastic-Black
Hole Dia: M7, O/L: 37MM
Barb Lgth: 18MM, Head Dia: 17.5MM
G.M. "U" Van (APV) '94/
UNIT PACKAGE 50

FORD



STK. # 298-7833
Replaces: 384439-S61
SCREW- TAPPING, PHILLIPS ROUND WASHER HEAD
Door Window & Rocker Mouldings
#8 X 3/8" w/ 3/8" Washer Head
Black Finish
Lincoln Continental & Town Car '98/
UNIT PACKAGE 50



STK. # 188-6506
Replaces: GJ150-607, E92Z 6102316A
PIN-COWL SCREEN RETAINER
Plastic
Use W/88-6507 & 88-6508 Grommet
Mazda 626 & MX6 '88/
Ford Probe '88/
UNIT PACKAGE 25



STK. # 188-6507
Replaces: GJ-21-50-H81
GROMMET-COWL SCREEN RETAINER
R.H. Plastic
Use W/88-6506 Pin; Round Opening
Ford Probe '88/
UNIT PACKAGE 25



STK. # 190-6728
Replaces: E92Z-17C756-C
GJ21-50-034
RIVET-SCREW TYPE
REAR BUMPER COVER ASSY.
Plastic
Hole: 10, Hex Screw w/Phillips Type Recess
Ford Probe, Mazda MX6 '89/
UNIT PACKAGE 15

Body Panel Moulding Clips

FORD



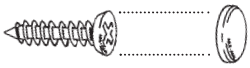
STK. # 196-7511
Replaces: F1CZ-16774-A, B455-56-741
CLIP-HOOD INSULATION
Black Plastic
Hole: M6, Length: 10MM,
Head Dia.: 14MM
Ford Probe '88-'92, Mazda MX6 '88-'92
UNIT PACKAGE 25



STK. # 108-2342
Replaces: N-804837-S
RIVET SCREW TYPE-TRIM ATTACHMENT
VARIOUS INTERIOR
Hole: M6.3, Flange: 25MM, P.R.: 2-12MM
Black Plastic
Ford Taurus & Sable
UNIT PACKAGE 25



STK. # 195-7419
Replaces: N-806322-S
RIVET-SCREW TYPE, VARIOUS
TRIM PANELS
Hole: M6.3, Head: 18MM,
P.R.: 2.7 - 4.2MM, , Stem Length: 13MM
Plastic
Ford Vehicles
UNIT PACKAGE 15



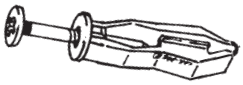
STK. # 197-7679
Replaces: W703488-S309
SCREW- PHILLIPS UNDERCUT
FLAT HEAD
M4.2 x 18MM w/Oversized 9MM Head
Various Interior Trim
Yellow Chromate, Use w/197-7680
Ford Contour, Mystique '95/
UNIT PACKAGE 25



STK. # 198-7806
Replaces: W701649-S, W704881-S300
RETAINER-COWL
(Phillips Style Recess)
Plastic, Formerly 96-7561
Stem Lgth: 26MM, Head: 14MM
Use with 296-7562
Ford Taurus, Sable '96/
UNIT PACKAGE 50



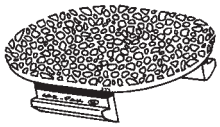
STK. # 299-7918
Replaces: N811849-S300
RETAINER - COWL
(Phillips Style Recess)
Stem Lgth:52MM, Head:14MM
Use with 296-7562
Lincoln Town Car '98/
UNIT PACKAGE 15



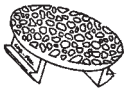
STK. # 195-7375
Replaces: W703842-S300
GROMMET & SCREW ASSEMBLY
COWL GRILLE
Hole: 8MM x 10MM,Plastic w/Metal Screw
Washer Face: 11MM, G.R.: 0.8 - 3.0MM
Ford Contour & Mercury Mystique '95/
UNIT PACKAGE 5



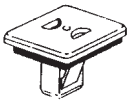
STK. # 298-7764
Replaces: F65Z-15020C34-AA
COVER-SCREW COWL VENT
Plastic-Black
Ford Expedition & Navigator '97/
UNIT PACKAGE 25



STK. # 297-7752
Replaces: F1CZ-5802316-C
COVER - COWL SCREW
Large Oval
Plastic
Ford Escort '91/
UNIT PACKAGE 15



STK. # 297-7753
Replaces: F1CZ-5802316-B
COVER - COWL SCREW
Small Round
Plastic
Ford Escort '91/
UNIT PACKAGE 15



STK. # 193-7151
Replaces: BWOA-50-792, FICZ-5802316-A
GROMMET-COWL SCREEN w/SEALER
Hole: M10, Screw: M4
Flange: 24 x 24MM
Ford Escort & Tracer '91/
UNIT PACKAGE 15



STK. # 190-6798
Replaces: 10119816
RETAINER-COWL SCREEN
Hole: 7/32", O/L 1-3/8"
Head: 19/32"
Plastic
G.M. "B" Bodies '91/
UNIT PACKAGE 25



STK. # 295-7462
Replaces: 91545-SE0-003
& 63848-01G00-A
RIVET-DRIVE TYPE, COWL GRILLE
Hole: M8, Washer Head: 20MM
Length: 14MM
Honda Accord '90/, Nissan Trucks '87/
Mercury Villager, Maxima thru '98
UNIT PACKAGE 15

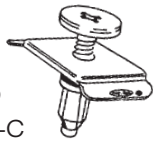


STK. # 108-2322
Replaces: N-804583
BLIND RIVET-COWL VENT
GRILLE RETAINING
Super Tough Nylon
Rectangular Head: 8.0MM x 15.0MM
Rivet Dia.: 3.96MM
Grip Range: 6.0 - 10.5MM
Rectangular Hole: 8.0 x 6.0MM
Ford Aerostar '86/
UNIT PACKAGE 25



STK. # 181-5310
Replaces: 388904-S
CLIP-FRONT & REAR BUMPERS
COVER TO BAR
Ford Products
UNIT PACKAGE 100

Body Panel Moulding Clips



STK. # 196-7598
Replaces: E8BZ-17C756-C
RIVET- SCREW TYPE
Bumper Cover Retainer
Plastic-Black
Hole Dia: M8, Shoulder: 9.5MM
G.R. 3-7MM
Ford Festiva '88/, Mazda 323 '86/
UNIT PACKAGE 10

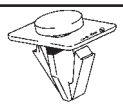


STK. # 195-7370
Replaces: W701380-SSW
RETAINER-TRUNK LINER
Hole: M6.3, Head: 18MM
Stem Length: 21MM
Black Plastic Paint to Match
Ford Contour & Mercury Mystique '95/
UNIT PACKAGE 15

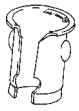
CHRYSLER



STK. # 197-7722
Replaces: MB361578
GROMMET-FENDER MOULDING
Plastic-W/Sealer
Hole: 8 x 11MM, Face: 17MM Sq,
Use M4.2 Screw
Chrysler & Mitsubishi '97/
UNIT PACKAGE 10



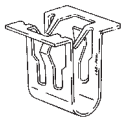
STK. # 297-7726
CLIP- REAR QUARTER PANEL MOULDING
Plastic
Hole Dia: M10, Head Dia: 13MM
Slot: 2 x 7.5MM
Chrysler Minivan '96/
UNIT PACKAGE 50



STK. # 298-7782
Replaces: 6000258
NUT-TUBULAR TYPE
Side Window Moulding Trim
Stud Dia: 1/4", Hole Dia: 5/16",
Grip Range: .030-.034
Chrysler Cirrus, Stratus, Breeze 97/
UNIT PACKAGE 50



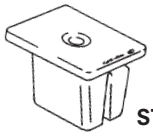
STK. # 298-7907
Replaces 6036042AA
CLIP-DOOR WINDOW MOULDING
Screw: #8 (M4.2), Slot: 3 x 14MM,
P.R.: 1.14MM
Chrysler LH, LHS '98/
Zinc Dacromate Finish
UNIT PACKAGE 25



STK. # 198-7804
Replaces: 6502988
CLIP-GRILLE
Metal
Zinc Finish
Chrysler '96/
UNIT PACKAGE 15



STK. # 187-6303
Replaces: 6501852
RIVET-SCREW TYPE, COWL SCREEN ATTACHMENT
Hole: 1/4" Sq., Flange: 7/16"
P.R.: 3/4 x 7/8"
Chrysler "A" Body '88/
UNIT PACKAGE 25



STK. # 199-7924
Replaces: 4805119
GROMMET-COWL VENT
Screw: M4.8, Hole: 9 x 13MM,
Flg: 14 x 17MM
Plastic
Chrylser LH, 300M '98/ Neon 2000
UNIT PACKAGE 25



STK. # 193-7177
Not Available From O.E.
RETAINER-COWL SCREEN
Plastic
Chrysler "LH" Models '93/
UNIT PACKAGE 15



STK. # 193-7176
Replaces: 6502573
RIVET-SCREW TYPE, COWL SCREEN
Hole: 1/4" Sq., Flange: 15/32"
Plastic
Chrysler "LH" Models '93/
UNIT PACKAGE 15



STK. # 194-7253
Replaces: 6503336
RETAINER-COWL SCREEN
Used w/194-7254 & 198-7892
Plastic
Stud: 1/4 - 20, Flange: 9/16", O/L: 1"
Dodge Ram Full Size Pick-up '94/
UNIT PACKAGE 15



STK. # 194-7254
Replaces: 6503339
RETAINER-COWL SCREEN
w/Torx Recess Used w/94-7253
Plastic
Fits 1/4 - 20 Stud
Dodge Ram Full Size Pick-up '94/
Gr. Cherokee '99/
UNIT PACKAGE 15

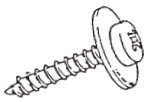


STK. # 197-7704
Replaces: MB888869, 90505-SL0-003, 90467-08155
RIVET-SCREW TYPE
Bumper Cover
Plastic
Hole: M8, Stem: 20.5MM,
Panel: 13MM, HD 20MM
Chrysler, Mitsubishi, Acura, Toyota '93/
UNIT PACKAGE 15

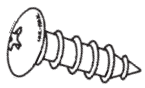


STK. # 198-7789
Replaces: MR138807
RIVET-SCREW TYPE, BUMPER COVER
Plastic
Hole: M8, Flange: 20MM
Max G.R.: 20MM
Chrysler Sebring '96/
Mitsubishi Eclipse '94/
UNIT PACKAGE 5

Fasteners



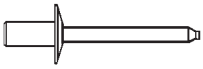
STK. # 190-6845
Replaces: 11503499
SCREW-PHILLIPS PAN HEAD TAPPING
Type "AB"
M4.2 - 1.41 x 15MM
w/12MM Free Spinning Washer
G.M. & General Purpose
UNIT PACKAGE 100



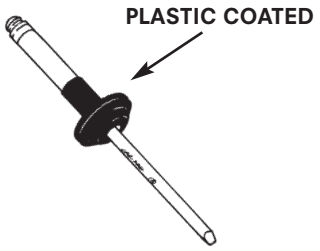
STK. # 197-7635
Replaces: 01451-00841
SCREW- PHILLIPS TRUSS HEAD
M5 x 15MM
Head Dia: 13.8MM
Black Finish
Ford Windstar & Nissan '85/
UNIT PACKAGE 50



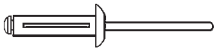
STK. # 194-7309
Replaces: N803933-S101
RIVET
LUGGAGE RACK SEALING STRIPS
Closed End Sealing Type
Aluminum 1/8" Rivet
Flange: 7/32", G.R.: 3/16 x 1/4"
Ford & General Purpose
UNIT PACKAGE 50



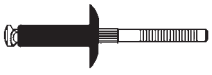
STK. # 297-7676
Replaces: 90084-26001
RIVET- CLOSED END SEALING TYPE
Aluminum Rivet, Aluminum Mandrel
M5 Rivet, 9.5MM Flange
3.2-6.3MM Grip Range
Windshield Side Moulding
Toyota Camry '97/
UNIT PACKAGE 50



STK. # 199-7913
Replaces: 979878-6
BLIND RIVET- LEG RETENTION STYLE
WHEEL OPENING & BUMPERS
Black Plastic Coated Aluminum Rivet
w/Aluminum Mandrel
M5 Rivet, Flange: 12MM,
G.R.: 5.18-5.35MM
Volvo '93/
UNIT PACKAGE 15



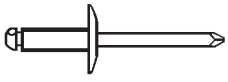
STK. # 298-7780
Replaces: 22569178, 22579423
BLIND RIVET- LEG RETENTION STYLE
Window Sash Front & Rear
3/16 Rivet, 7/16 Flange,
Grip Range .187-.375
G.M. "J" & "N" Body 92/
UNIT PACKAGE 15



STK. # 298-7777
Replaces W525170-S417
RIVET-PEEL (SPLIT) TYPE
Rear Door Handle
Rivet: 3/16", Flange: 1/2",
Max G.R. 1/4"
Aluminum Rivet w/Steel Mandrel
Ford "F" Series Pick-UP '97/
UNIT PACKAGE 25



STK. # 196-7585
Replaces: N811460-S100
RIVET- BLIND TYPE DOOR MOULDING
Rivet:1/8", 3/8" Flange
.125-.188 Grip Range
Steel Rivet-Steel Mandrel
Ford Taurus '96
UNIT PACKAGE 15



STK. # 190-6792
Not Supplied By O.E.
BLIND RIVET-GLASS STOP/ROLLER
Aluminum Rivet w/Aluminum Mandrel
3/16" Rivet, Flange: 5/8"
G.R.: .501 -.625
Chrysler
UNIT PACKAGE 25



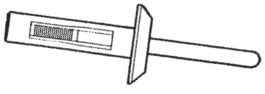
STK. # 197-7685
Replaces: N807168-S
RIVET-BUMPER
Rivet: M5 , Flange Dia: 19MM
Grip Range: 17-20.7MM
Alum. Rivet w/Alum. Mandrel
Ford Taurus, Sable '96/.
Mustang, T-Bird, Cougar, Windstar &
Navigator '94/
UNIT PACKAGE 15



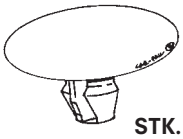
STK. # 118-1021
RIVET-UPPER VENT PIVOT
w/Shoulder
Ford, Mercury '65 - '70
UNIT PACKAGE 50



STK. # 296-7586
Replaces: 22651066, 22595723, 22600612
CLIP- DOOR TRIM
Plastic
Hole Dia: 13MM, O/L: 28MM
G.M. "N" Bodies '96/
UNIT PACKAGE 25



STK. # 108-2354
Replaces: 20612732
BLIND RIVET
Nylon Black
Hole Dia: 4.75MM, P.R.: 1.5-4.5MM
Head: 9MM
G.M. "A" & "B" Bodies
UNIT PACKAGE 25



STK. # 297-7692
Replaces: MB020923
RETAINER- HOOD INSULATION,
DOOR PANEL
Plastic
Hole Dia: 8MM, Head Dia: 26MM
Chrysler, Eagle '92/
UNIT PACKAGE 10

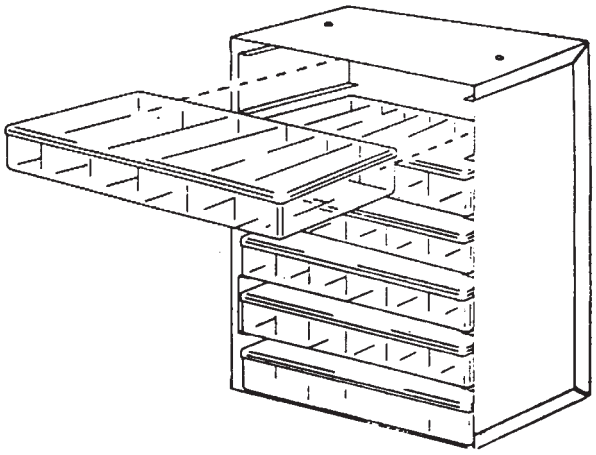
TO YOUR SMALL PARTS PROBLEM!

Assortment of Popular "Hard to Find" But Absolutely Necessary Small Parts

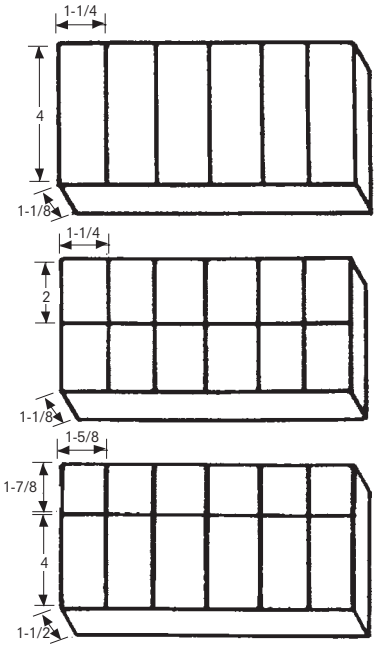
the ANSWER

- The Easy to Use System Designed to Accommodate Body and Hardware Parts
- Minimum Number of Inventory Stocking Units!
- Broad Model Coverage!
- Only the Fastest Moving Items
- Lid Charts Provide General Application Information
- Clear Plastic Hinged Top Containers Provide Easy Access to Parts!

RACK and CONTAINERS for ANSWER ASSORTMENT



STK. # 108-0999
RACK ANSWER ASSORTMENTS
For 8-1/4 x 4-1/2 x 1-3/8" Container
Holds Six Answer Assts.
Sturdy Metal Construction
Can Be Stacked Or Hung On Wall
UNIT PACKAGE 1



CONTAINERS

STK. # 108-0203
6 Compartments
Overall 8-1/4" x 4-1/2"
UNIT PACKAGE 1

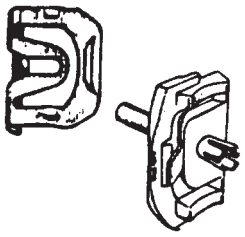
STK. # 108-0208
12 Compartments
Overall 8-1/4" x 4-1/2"
UNIT PACKAGE 1

STK. # 108-0612
12 Compartments
Overall 11" x 6-3/4"
UNIT PACKAGE 1

Fasteners



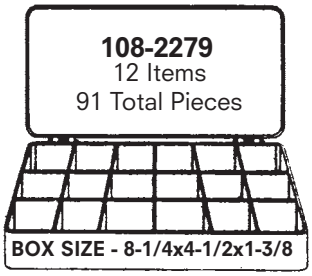
REVEAL MOULDING CLIPS and STUD SCREW for G.M. CARS



- Contains -

6 each 65-1053	6 each 71-3494	6 each 74-4057
6 each 67-3092	6 each 71-3468	6 each 78-4777
6 each 70-3403	6 each 72-3710	6 each 80-5152
6 each 70-3407	6 each 73-3835	25 each 68-3163

STK. # **108-2278** UNIT PACKAGE ONE KIT



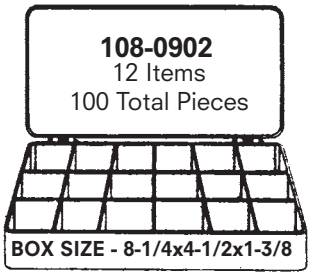
REVEAL MOULDING CLIPS and STUD SCREW for FORD and CHRYSLER CARS



- Contains -

6 each 65-1120	6 each 78-4940	6 each 70-3370
6 each 66-3021	6 each 83-5726	6 each 73-3932
6 each 67-3094	6 each 87-6341	6 each 80-5240
6 each 70-3366	6 each 95-7418	25 each 68-3163

STK. # **108-2279** UNIT PACKAGE ONE KIT



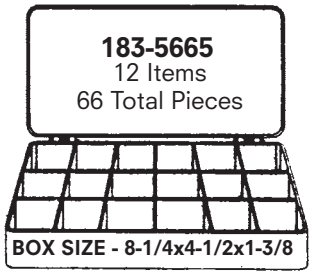
POPULAR MOULDING CLIPS for V.W. CARS



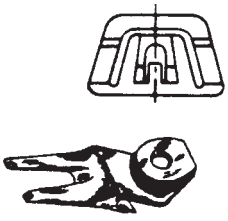
- Contains -

5 each 82-5490	10 each 80-5189	5 each 76-4318
10 each 81-5429	10 each 80-5196	5 each 80-5190
10 each 81-5304	5 each 78-4812	10 each 81-5319
10 each 81-5305	10 each 76-4285	10 each 70-3384

STK. # **108-0902** UNIT PACKAGE ONE KIT



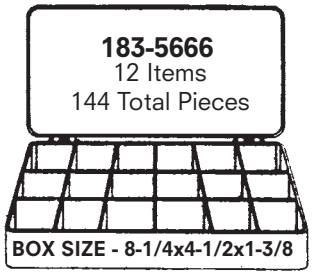
WINDSHIELD & BELT MOULDING CLIPS for JAPANESE CARS



- Contains -

6 each 81-5346	6 each 81-5350	4 each 81-5318
6 each 81-5373	6 each 84-5851	4 each 85-6009
6 each 81-5347	6 each 81-5422	6 each 81-5391
6 each 81-5374	6 each 81-5348	4 each 81-5409

STK. # **183-5665** UNIT PACKAGE ONE KIT



TRIM PANEL ANCHOR NUTS & BUMPER FLAP CLIPS for JAPANESE CARS



- Contains -

12 each 81-5293	12 each 81-5389	12 each 81-5416
12 each 81-5332	12 each 82-5465	12 each 81-5419
12 each 81-5385	12 each 98-7823	12 each 81-5420
12 each 81-5386	12 each 81-5415	12 each 82-5506

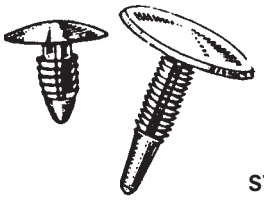
STK. # **183-5666** UNIT PACKAGE ONE KIT



PUSH IN TYPE RETAINERS - FINISHING PLUGS

Used to Hold: Grills - Fan Shields - Splash Shield, Soft Trim, Liner Panels and Insulation. Spring Action of Ribs acts as "Take Up" in irregular holes. Holds securely anywhere along the Ribbed Shank.

(5/32", 3/16", 1/4" & 3/8" Diameters)



- Contains -

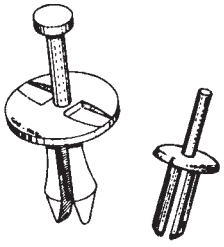
10 each 77-4691	10 each 72-3704
10 each 77-4692	5 each 79-5109
5 each 80-5254	5 each 80-5158

STK. # **108-0912** **UNIT PACKAGE ONE KIT**



PLASTIC DRIVE RIVETS

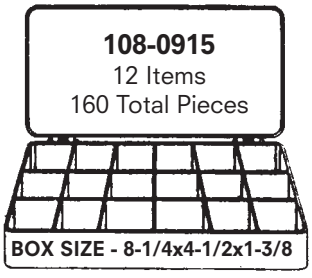
Ideal for "Blind Hole" Application.
(1/8", 3/16", 1/4" & 5/16" Diameters)



- Contains -

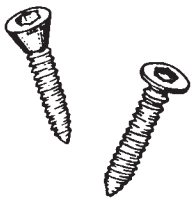
15 each 78-4827	10 each 99-8051
10 each 79-5026	5 each 78-4921
10 each 78-4818	5 each 83-5634

STK. # **108-0914** **UNIT PACKAGE ONE KIT**



TORX® SHEET METAL SCREWS AB POINT

M4.2 DIAMETER VARIOUS LENGTHS UP TO 35MM



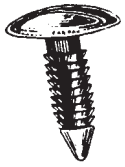
- Contains -

15 each 79-5034	15 each 79-5035	15 each 79-5047
15 each 79-5036	10 each 79-5038	10 each 79-5049
10 each 79-5037	15 each 79-5045	15 each 79-5046
10 each 79-5039	15 each 78-4961	15 each 79-5048

STK. # **108-0915** **UNIT PACKAGE ONE KIT**



PUSH-IN RETAINER'S IN ASSORTED COLORS

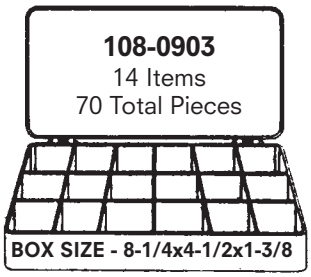


- Contains -

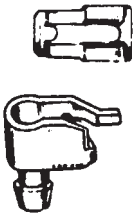
5 each 99-7977	5 each 99-7980	5 each 99-7983
5 each 99-7978	5 each 99-7981	20 each 76-4384
5 each 99-7979	5 each 99-7982	

STK. # **108-0922** **UNIT PACKAGE ONE KIT**

Fasteners



DOOR LOCK ROD CLIPS for G.M., FORD & CHRYSLER CARS



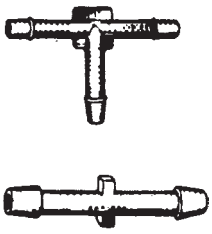
- Contains -

5 each SC-3197	5 each 78-4798	5 each 69-3329
5 each 71-3443	5 each 72-3586	5 each 72-3705
5 each 71-3445	5 each 72-3585	5 each 78-4796
5 each 78-4971	5 each 69-3328	5 each 76-4326
5 each 78-4797		5 each 79-5122

STK. # **108-0903** UNIT PACKAGE ONE KIT



GENERAL PURPOSE PLASTIC TEE CONNECTORS



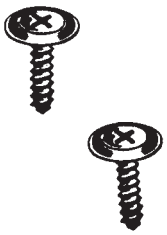
- Contains -

10 each 76-4389	10 each 78-4849	10 each 76-4413
10 each 76-4391	10 each 77-4685	10 each 93-7159
10 each 76-4390	15 each 72-3626	5 each 84-5781
10 each 73-3813	15 each 77-3627	5 each 84-5782

STK. # **108-2281** UNIT PACKAGE ONE KIT



CHROME & BLACK TRIM SCREWS with WASHERS



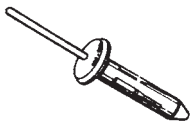
- Contains -

20 each 73-3807	20 each 81-5438	20 each 81-5441
20 each 73-3808	15 each 81-5439	20 each 81-5442
15 each 73-3809	20 each 80-5156	15 each 81-5443
20 each 81-5437	15 each 80-5157	15 each 81-5444

STK. # **108-0907** UNIT PACKAGE ONE KIT



SUPER TOUGH NYLON BLIND RIVETS



- Contains -

20 each 83-5642	15 each 83-5646	15 each 83-5648
20 each 83-5643	15 each 83-5647	15 each 83-5649
20 each 86-5644		15 each 83-5650
20 each 83-5645		10 each 83-5664

Can be set with standard hand or power setting tool.

STK. # **183-5727** UNIT PACKAGE ONE KIT



DOOR LOCK ROD CLIPS for JAPANESE & EUROPEAN CARS



- Contains -

5 each 82-5566	5 each 72-3586
5 each 82-5567	5 each 72-3585
10 each 82-5568	5 each 78-4911

STK. # **108-0911** UNIT PACKAGE ONE KIT

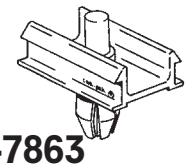
Import Parts

AUDI

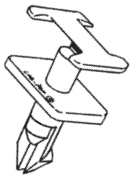


STK. # 108-2295
Replaces: 435-853-394
CLIP-WINDSHIELD
REVEAL MOULDING
Audi 4000 & 5000
UNIT PACKAGE 50

BMW



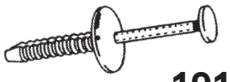
STK. # 198-7863
Replaces: 51131-946-258
CLIP-DRIVE TYPE SIDE MOULDING
Plastic
Hole: M7, P.R.: 2MM
BMW 5 Series
UNIT PACKAGE 25



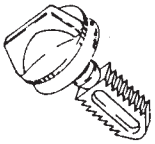
STK. # 198-7865
Replaces: 51711-928-946
RIVET-DRIVE TYPE COWL VENT
Plastic
Hole: M6, Head: 10 x 12MM,
P.R.: 3.5MM
BMW 5 & 7 Series
UNIT PACKAGE 25



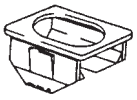
STK. # 198-7864
Replaces: 51481-938-725
RIVET-DRIVE TYPE TRUNK INSULATION
Plastic
Hole: M7, Flange: 20MM, P.R.: 4MM
BMW 7 Series
UNIT PACKAGE 25



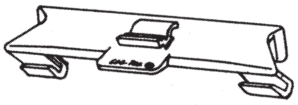
STK. # 191-6910
Replaces: 51111-964-186
RIVET-DRIVE TYPE
Front Spoiler
Plastic
Hole: M6, 14.5MM Flange,
GR 8-15MM
BMW 3 Series '89/
UNIT PACKAGE 25



STK. # 191-6911
Replaces: 51711-916-197
RETAINER-HEADLAMP COVER
Plastic use w/91-6912
BMW 3, 5 & 7 Series '84/
UNIT PACKAGE 25



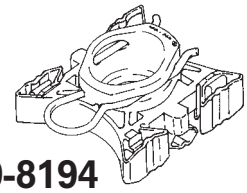
STK. # 191-6912
Replaces: 51711-916-199
GROMMET
HEADLAMP COVER
Plastic
Use w/91-6911
BMW 3, 5, & 7 Series '84/
UNIT PACKAGE 25



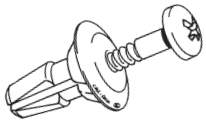
STK. # 188-6441
Replaces: 5131-1938-494
CLIP-WINDSHIELD
MOULDING
Plastic
BMW 7 Series '87/
UNIT PACKAGE 15



STK. # 199-8189
Replaces: 51718-786-501
SEAL-COWL VENT
Rubber - use with 99-8188
BMW 5 and 7 Series'95/.
UNIT PACKAGE 25



STK. # 199-8194
Replaces: 51321-938-884
GUIDE-WINDOW REGULATOR
Plastic with attaching clip
BMW 3 and 5 Series '92 - '99
UNIT PACKAGE 2

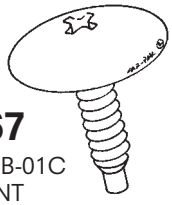


STK. # 199-8188
Replaces: 51218-205-295
RIVET-SCREW TYPE
Cowl Vent
Plastic - use with 99-8189
BMW 5 Series '97/
UNIT PACKAGE 50



STK. # 199-8190
Replaces: 51718-108-613
RETAINER-COWL VENT AND
TRUNK TRIM
Plastic
Hole: M8, Head: 11 x 14MM, O/L: 14MM
BMW 3, 7 & 8 Series '91/
UNIT PACKAGE 25

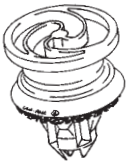
VW



STK. # 198-7867
Replaces: 1H0-819-055-B-01C
SCREW-COWL VENT
Plastic
M6.5-1.5 X 16MM, Head: 23MM
Textured
VW Golf & Jetta '97/
UNIT PACKAGE 25



STK. # 198-7866
Replaces: N038-550-1
RIVET-DRIVE TYPE
FENDER SPLASH SHIELD
Plastic
Hole: M8, Flange: 12.5MM, P.R.: 4MM
VW Golf & Jetta '97/
UNIT PACKAGE 25



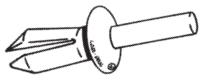
STK. # 199-8152
Replaces: 3B0-868-243
RETAINER-DOOR PANEL
(SPRING STYLE HEAD)
Plastic
Hole: M10, Head Dia.: 22MM,
Stem Length: 10MM
Volkswagon Golf, Jetta,
Passat & Beetle '98/
UNIT PACKAGE 25

Import Parts



STK. # 192-7062
Replaces: 175-867-949
NUT-LICENSE PLATE
Plastic
M6 Screw
General Purpose
VW Rabbit '79/
UNIT PACKAGE 50

MERCEDES

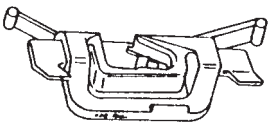


STK. # 199-8180
Replaces: 000-990-25-92
RIVET-DRIVE TYPE
Cowl & Front Bumper
Plastic
Hole: M6, Flange: 10MM, P.R.: 2-8MM
Mercedes E Class '96/
UNIT PACKAGE 25

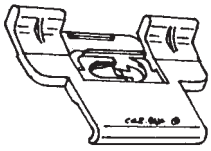


STK. # 199-8187
Replaces: 000-988-16-25
GROMMET-COWL VENT
Plastic
Mercedes CL and S Class 2000/
UNIT PACKAGE 50

ACURA



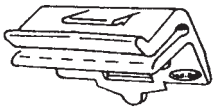
STK. # 109-6401
Replaces: 90675-SC5-003
CLIP-WINDSHIELD MOULDING
Gray Plastic
Acura Legend 2 Door '88/
UNIT PACKAGE 10



STK. # 109-6399
Replaces: 90657-SG0-004
CLIP-WINDSHIELD MOULDING
Blue Plastic
Acura Legend 2 Door '87
UNIT PACKAGE 10



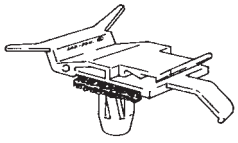
STK. # 109-6408
Replaces: 95102-SG0-003
CLIP-WINDSHIELD MOULDING
White Plastic
Acura Legend '88/
UNIT PACKAGE 10



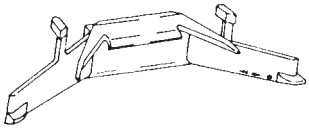
STK. # 109-6404
Replaces: 90683-SD2-003
67811-SG3-003
CLIP-WINDSHIELD MOULDING
Plastic Narrow Groove
Acura Integra '86/
UNIT PACKAGE 10



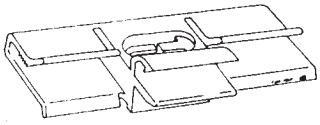
STK. # 109-6405
Replaces: 90684-SD2-003
CLIP-WINDSHIELD MOULDING
Plastic Wide Groove
Acura Integra '86/
UNIT PACKAGE 10



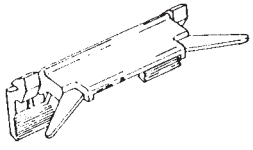
STK. # 196-7510
Replaces: 90677-SD2-003
CLIP-QUARTER GLASS MOULDING
White Plastic
Acura Integra '86 - '89
UNIT PACKAGE 5



STK. # 192-7010
Replaces: 91512-SP0-003
CLIP-WINDSHIELD MOULDING UPPER
White Plastic
Acura Legend 4 Door '91/
UNIT PACKAGE 10



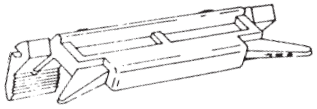
STK. # 192-7008
Replaces: 91528-SP0-003
CLIP-WINDSHIELD MOULDING SIDE
Yellow Plastic (use w/192-7009)
Acura Legend 2 &4 Door '91/
Honda Accord '94/
UNIT PACKAGE 15



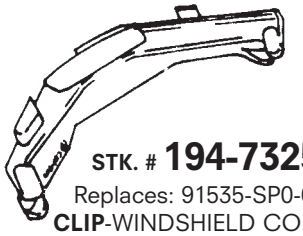
STK. # 192-7009
Replaces: 91529-SP0-003
CLIP-WINDSHIELD MOULDING SIDE
Black Plastic (use w/192-7008)
Acura Legend 4 Door '91/
UNIT PACKAGE 15



STK. # 192-7006
Replaces: 91511-SP0-003
CLIP-WINDSHIELD MOULDING SIDE
Blue Plastic (use w/192-7007)
Acura Legend 2&4 Door '91/
Honda Accord '94/
UNIT PACKAGE 10



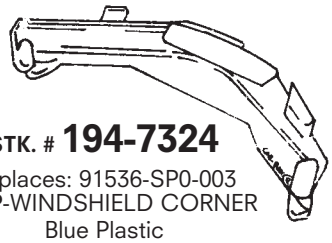
STK. # 192-7007
Replaces: 91513-SP0-003
CLIP-WINDSHIELD MOULDING SIDE
Blue Plastic (use w/192-7006)
Acura Legend 4 Door '91/
UNIT PACKAGE 10



STK. # 194-7325
Replaces: 91535-SP0-003
CLIP-WINDSHIELD CORNER
Green Plastic
Acura Legend 4 Door '91 - '93
UNIT PACKAGE 5

Import Parts

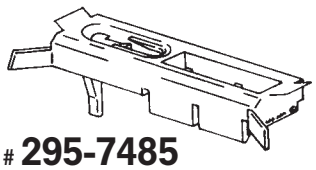
ACURA



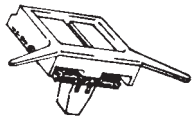
STK. # 194-7324
Replaces: 91536-SP0-003
CLIP-WINDSHIELD CORNER
Blue Plastic
Acura Legend 4 Door '91 - '93
UNIT PACKAGE 5



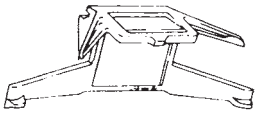
STK. # 296-7533
Replaces: 91524-SP0-003
CLIP-WINDSHIELD MOULDING
Rear Upper
White Plastic
Acura legend '91 - '95
UNIT PACKAGE 10



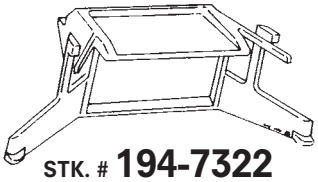
STK. # 295-7485
Replaces: 91519-SP0-003
CLIP-WINDSHIELD MOULDING
Upper
White Plastic
Acura Legend '91/
UNIT PACKAGE 10



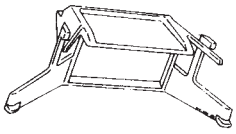
STK. # 194-7259
Replaces: 91537-SP0-0030
CLIP-WINDSHIELD MOULDING
Lower Moulding
Plastic w/Sealer
Acura Legend '91/
UNIT PACKAGE 5



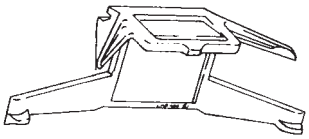
STK. # 194-7323
Replaces: 91526-SP0-003
CLIP-WINDSHIELD SIDE
White Plastic
Acura Legend 4 Door '91 - '93
UNIT PACKAGE 5



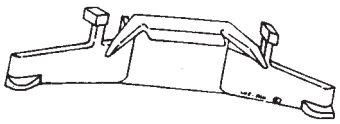
STK. # 194-7322
Replaces: 91514-SP0-003
CLIP-WINDSHIELD SIDE
Yellow Plastic
Acura Legend 4 Door
UNIT PACKAGE 5



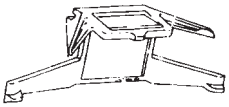
STK. # 194-7327
Replaces: 91526-SP1-003
CLIP-WINDSHIELD SIDE
Blue Plastic
Acura Legend 2 Door '91 - '93
UNIT PACKAGE 5



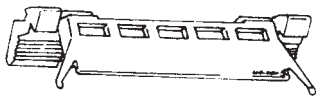
STK. # 194-7328
Replaces: 91514-SP1-003
CLIP-WINDSHIELD SIDE
Red Plastic
Acura Legend 2 Door '91 - '93
UNIT PACKAGE 5



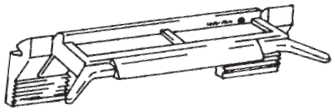
STK. # 194-7302
Replaces: 91512-SP1-000
CLIP-WINDSHIELD UPPER
Brown Plastic
Acura Legend 2 Door '91 - '93
UNIT PACKAGE 5



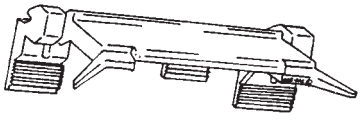
STK. # 194-7326
Replaces: 91527-SP1-003
CLIP-WINDSHIELD SIDE
Green Plastic
Acura Legend 2 Door '91 - '93
UNIT PACKAGE 5



STK. # 194-7289
Replaces: 91513-SP1-003
CLIP-WINDSHIELD SIDE
Gray Plastic
Acura Legend Coupe '91 - '93
UNIT PACKAGE 10

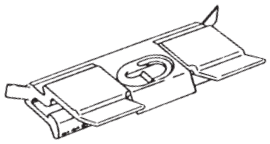


STK. # 296-7534
Replaces: 91513-SP1-003
CLIP-WINDSHIELD MOULDING
Front Side
Gray Plastic
Acura Legend '91-'95
UNIT PACKAGE 5



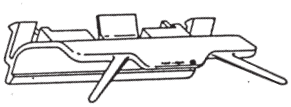
STK. # 194-7290
Replaces: 91528-SP1-003
CLIP-WINDSHIELD SIDE
Yellow Plastic
Acura Legend 2 Door '91 - '93
UNIT PACKAGE 5

STK. # 194-7291
Replaces: 91529-SP1-003
CLIP-WINDSHIELD SIDE
Brown Plastic
Acura Legend 2 Door '91 - '93
UNIT PACKAGE 5

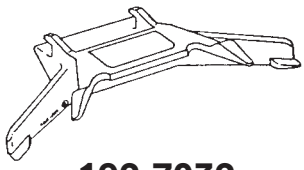


STK. # 192-7034
Replaces: 91569-SL4-003
CLIP-WINDSHIELD MOULDING SIDE
White Plastic (use w/192-7033)
Acura Vigor '92/
UNIT PACKAGE 25

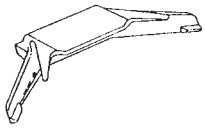
Import Parts



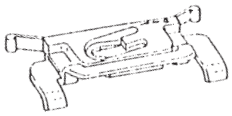
STK. # 192-7033
Replaces: 91567-SL4-003
CLIP-WINDSHIELD MOULDING SIDE
Black Plastic (use w/92-7034)
Acura Vigor '92/
UNIT PACKAGE 25



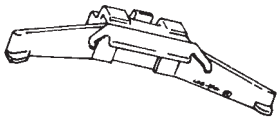
STK. # 192-7032
Replaces: 91568-SL4-003
CLIP-WINDSHIELD MOULDING SIDE
Black Plastic
Acura Vigor '92/
UNIT PACKAGE 15



STK. # 192-7031
Replaces: 91572-SL4-003
CLIP-WINDSHIELD MOULDING UPPER
Black Plastic
Acura Vigor '92/
UNIT PACKAGE 10



STK. # 192-7030
Replaces: 91579-SL4-003
CLIP-WINDSHIELD MOULDING UPPER
Black Plastic
Acura Vigor '92/
UNIT PACKAGE 25



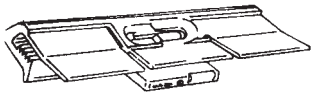
STK. # 194-7301
Replaces: 90612-SK7-003
CLIP-WINDSHIELD SIDE
White Plastic
Acura Integra '90 - '93
UNIT PACKAGE 10



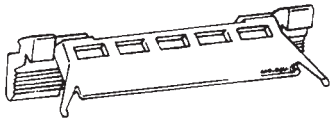
STK. # 194-7320
Replaces: 90611-SK7-003
CLIP-WINDSHIELD CORNER
White Plastic
Acura Integra '90 - '93
UNIT PACKAGE 5



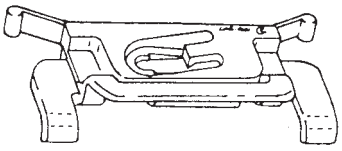
STK. # 194-7321
Replaces: 90621-SK7-003
CLIP-WINDSHIELD CORNER
Black Plastic
Acura Integra '90 - '93
UNIT PACKAGE 5



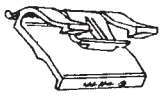
STK. # 194-7292
Replaces: 90601-SK7-003
CLIP-WINDSHIELD SIDE
Green Plastic
Acura Integra 3 & 4 Door '90 - '93
UNIT PACKAGE 15



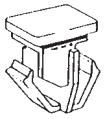
STK. # 194-7293
Replaces: 90602-SK7-003
CLIP-WINDSHIELD SIDE
Green Plastic
Acura Integra 3 & 4 Door '90 - '93
UNIT PACKAGE 15



STK. # 190-6735
Replaces: 91534-SM4-003
CLIP-WINDSHIELD MOULDING UPPER
White Plastic
Honda Accord '90/, Acura Legend '91/
UNIT PACKAGE 15



STK. # 189-6593
Replaces: 90652-SD4-003
CLIP-FRONT DOOR REVEAL MOULDING
Plastic
Acura Legend '86/
UNIT PACKAGE 15



STK. # 190-6752
Replaces: 75801-SD2-003
CLIP-BODY SIDE MOULDING
Plastic
Acura Integra '86-'89
UNIT PACKAGE 15

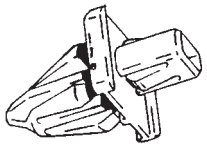


STK. # 190-6724
Replaces: 91506-SD4-921
RETAINER-DOOR MOULDING LOWER
Narrow Chrome Moulding
(Retainer Only Plastic)
Acura Legend '86 - '88
UNIT PACKAGE 25

ACURA HONDA



STK. # 190-6749
Replaces: 91524-SE0-003
RIVET-SCREW TYPE COWL VENT
Plastic
Hole: M6, Grip Range: 5-7MM
Washer Face: 17.5MM
Honda Accord '86 - '89, Acura Vigor '92
UNIT PACKAGE 25

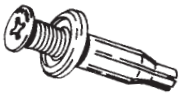


STK. # 195-7465
Replaces: 90661-ST7-003
CLIP-BUMPER
White Plastic
Acura Integra '94/
UNIT PACKAGE 5

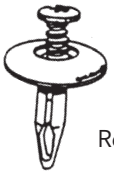
Import Parts



STK. # 194-7215
Replaces: 91503-SP0-003
RIVET- SCREW TYPE FRONT & REAR BUMPERS
Hole: M10, Washer Face: 20MM
Grip Range: 4-8MM
Plastic
Honda Accord '94, Prelude '92/
Acura Legend '91/
UNIT PACKAGE 10



STK. # 194-7214
Replaces: 91502-SP0-003
RIVET- SCREW TYPE FRONT BUMPER
Hole: M10, Washer Face: 20MM
Grip Range: 5-12MM
Plastic
Honda Accord '94, Prelude '92/
Acura Legend '91/
UNIT PACKAGE 5



STK. # 190-6787
Replaces: 91502-SM4-000
RIVET-SCREW TYPE
BUMPER FASCIA FRONT & REAR
Hole: M10, Washer Face: 20MM
P.R.: 6-9MM
Plastic
Honda Accord '90/, Acura Vigor Frt. '92
UNIT PACKAGE 15



STK. # 190-6788
Replaces: 91504-SM4-000
RIVET-SCREW TYPE
BUMPER FASCIA FRT. & REAR
Hole: M10,
Washer Head: 20MM Octagonal
P.R.: 6-9MM
Plastic
Honda Accord '90/, Acura Vigor Rear '92
UNIT PACKAGE 10



STK. # 198-7829
Replaces: 91503-SZ3-003
RIVET- PIN DRIVE TYPE
BUMPER & FRONT GRILLE
Plastic
Hole: M10, Flange: 20MM, P.R.: 5MM
Honda Cars & Odyssey,,
Acura 3.5RL Sedan '96/
UNIT PACKAGE 15



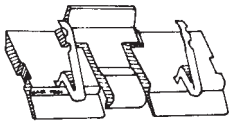
STK. # 198-7862
Replaces: 91512-SX0-003
RIVET-DRIVE TYPE
Plastic
Front & Rear Fender Splash Shield
Hole: M8, Flange: 20MM, P.R.: 4MM
Honda Accord & Prelude, Acura '94/
UNIT PACKAGE 25



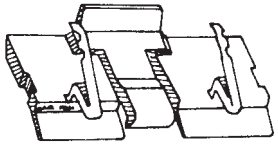
STK. # 197-7719
Replaces: 91518-SM4-003
RETAINER-HOOD SEAL
Plastic
Hole: M7, Head Dia: 12MM,
Stem Lgth: 9MM
Honda, Civic 3 Dr, 4 Dr. & Coupe,
Acura, Integra '94/
UNIT PACKAGE 15



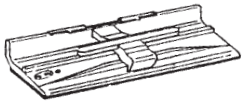
STK. # 196-7607
Replaces: 91520-SM4-C01
CLIP- HOOD-SEAL
Plastic-Black
Hole Dia: M5, Head Dia: 10MM
O/L: 14.4MM
Honda, Acura '90/
UNIT PACKAGE 25



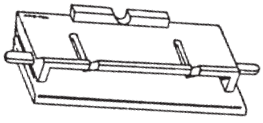
STK. # 108-2256
Replaces: 90674-692-0030
CLIP-WINDSHIELD REVEAL MOULDING
Self Adhesive, Plastic
Honda Prelude '79 - '82
Honda Accord '82 - '83
UNIT PACKAGE 25



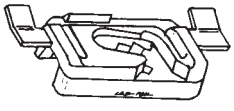
STK. # 108-2264
Replaces: 90674-SA6-003
CLIP-WINDSHIELD REVEAL MOULDING
Plastic
Honda
UNIT PACKAGE 25



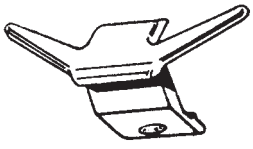
STK. # 108-2298
Replaces: 90683-SC6-003
& 90683-SA6-003
CLIP-WINDSHIELD MOULDING
Dark Gray Plastic
Overall Length 60MM
Honda Accord '85/
UNIT PACKAGE 10



STK. # 108-2285
Replaces: 90671-SA6-003
CLIP-WINDSHIELD HOLDER
Self Adhesive
Honda Accord '84/
UNIT PACKAGE 25



STK. # 108-2280
Replaces: 90694-SB0-0030
CLIP-WINDSHIELD MOULDING
Plastic
Honda Prelude '83/
UNIT PACKAGE 25



STK. # 108-2287
Replaces: 74807-SB0-004
CLIP-WINDSHIELD MOULDING REAR
Black Plastic
Honda '83/
UNIT PACKAGE 25



STK. # 108-2324
Replaces: 90658-SB0-003
CLIP-REVEAL MOULDING QUARTER WINDOW
Self Adhesive Plastic
Honda Prelude '83/
UNIT PACKAGE 10

Import Parts

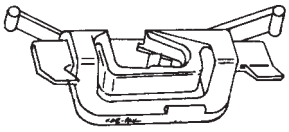


STK. # 108-2288
Replaces: 90655-SB0-004
CLIP-WINDSHIELD MOULDING
Gray Plastic
Honda '83/
UNIT PACKAGE 25

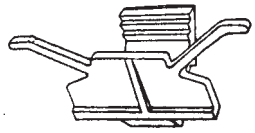
STK. # 108-2289
Replaces: 90664-SB0-004
CLIP-WINDSHIELD MOULDING
Black Plastic
Honda '83/
UNIT PACKAGE 25



STK. # 108-2286
Replaces: 74811-SB0-004
CLIP-WINDSHIELD MOULDING
Front & Rear Self Adhesive Back
Honda '83/
UNIT PACKAGE 10



STK. # 108-2283
Replaces: 90674-SC6-003
CLIP-BACK GLASS MOULDING
Plastic
Honda Accord '84/
UNIT PACKAGE 25



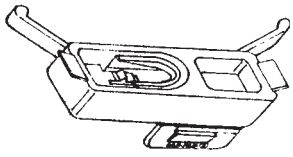
STK. # 108-2284
Replaces: 90673-SC6-003
CLIP-WINDSHIELD MOULDING
White Plastic
Honda Accord '84
UNIT PACKAGE 25



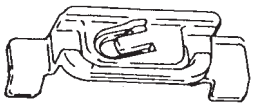
STK. # 108-2315
Replaces: 90682-SC6-003
CLIP-WINDSHIELD MOULDING
Self Adhesive
Black Plastic
Overall Length 48MM
Honda Accord '84/
UNIT PACKAGE 10



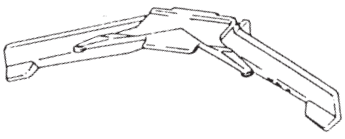
STK. # 109-6323
Replaces: 73262-SE3-003
CLIP-BACK GLASS MOULDING
Self Adhesive Plastic
Honda Accord 4 Door '86/
UNIT PACKAGE 10



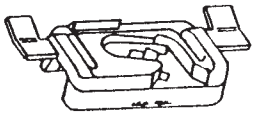
STK. # 109-6035
Replaces: 73265-SE3-003
CLIP-WINDOW MOULDING UPPER
Plastic
Honda Accord 4 Door '86/
UNIT PACKAGE 25



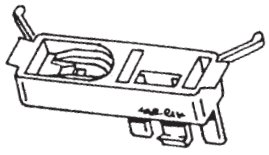
STK. # 191-6891
Replaces: 90694-SF1-003
CLIP-REAR WINDOW MOULDING
Green Plastic
Honda Prelude '88/
UNIT PACKAGE 25



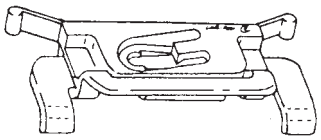
STK. # 190-6809
Replaces: 90657-SF1-003
CLIP-BACK GLASS MOULDING
Plastic
Honda Prelude '88 - '89
UNIT PACKAGE 10



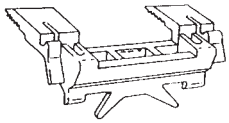
STK. # 109-6403
Replaces: 91505-SG0-003
CLIP-WINDSHIELD MOULDING
Orange Plastic
Acura Legend 4 Door '88/
Honda Prelude '88/
UNIT PACKAGE 10



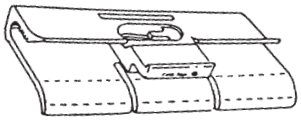
STK. # 189-6646
Replaces: 73265-SG0-003
CLIP-BACK GLASS MOULDING UPPER
Plastic
Honda Accord 4 Door '88/
UNIT PACKAGE 25



STK. # 190-6735
Replaces: 91534-SM4-003
CLIP-WINDSHIELD MOULDING UPPER
White Plastic
Honda Accord '90/, Acura Legend '91/
UNIT PACKAGE 15

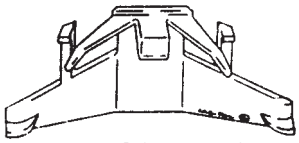


STK. # 191-6889
Replaces: 91524-SM4-A11
CLIP-WINDSHIELD MOULDING SIDE
Plastic
(Use w/199-8046)
Honda Accord '90/
UNIT PACKAGE 15

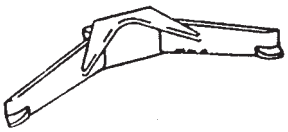


STK. # 199-8046
Replaces: 91525-SM4-003
CLIP-WINDSHIELD MOULDING SIDE
Pink Plastic
(Use w/191-6889)
Honda Accord '90/
UNIT PACKAGE 10

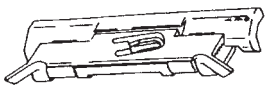
Import Parts



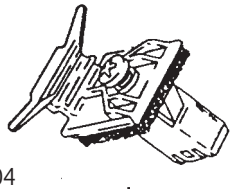
STK. # 195-7487
Replaces: 73158-SM4-003
CLIP-WINDSHIELD SIDE FRONT
Red Plastic
Honda Accord 4 Door & SW '90 -'93
UNIT PACKAGE 10



STK. # 195-7488
Replaces: 91531-SM4-003
CLIP-WINDSHIELD UPPER FRONT
Yellow Plastic
Honda Accord 4 Door & SW '90 - '93
UNIT PACKAGE 10



STK. # 198-7771
Replaces: 91541-SM4-003
91542-SP0-003
CLIP- BACK GLASS SIDE MOULDING
Plastic-Blue (Adjustable)
Formerly 90-6751
Honda Accord '90/
UNIT PACKAGE 10

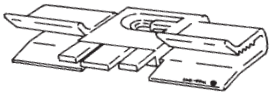


STK. # 192-7094
Replaces: 91526-SM2-004
HOLDER-REAR WINDOW
w/SCREW & SEALER
Grey Plastic
Honda Accord Coupe '90/
UNIT PACKAGE 5

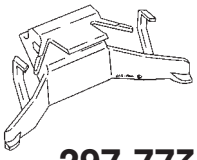
STK. # 192-7095
Replaces: 91526-SM4-004
HOLDER-REAR WINDOW
w/SCREW & SEALER
Black Plastic
Honda Accord 4 Door '90
UNIT PACKAGE 5



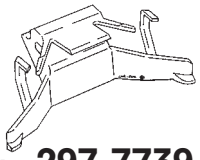
STK. # 195-7489
Replaces: 91532-SM4-003
CLIP-FRONT WINDSHILED SIDE
Grey Plastic
Honda Accord 4 Door & SW '90/ '93
UNIT PACKAGE 10



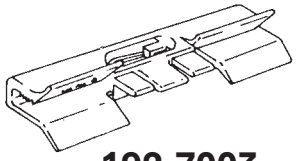
STK. # 296-7535
Replaces: 91511-SR2-004
CLIP-WINDSHIELD MOULDING
FRONT SIDE
Yellow Plastic
Honda Civic '93/
UNIT PACKAGE 5



STK. # 297-7738
Replaces: 91519-SR3-003
CLIP-WINDSHIELD MOULDING SIDE
Plastic-Green
Honda Civic 2, 3 & 4 Dr '92/'95
UNIT PACKAGE 10



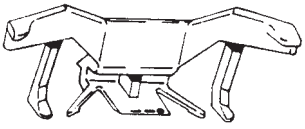
STK. # 297-7739
Replaces: 91521-SR3-003
CLIP-WINDSHIELD MOULDING SIDE
Plastic-Purple
Honda Civic 2, 3 & 4 Dr. '92/'95
UNIT PACKAGE 10



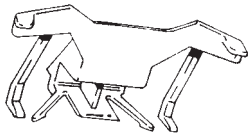
STK. # 192-7003
Replaces: 91511-SR3-003
CLIP-WINDSHIELD MOULDING SIDE
Orange Plastic (Use w/192-7004)
Honda Civic '92/
UNIT PACKAGE 15



STK. # 192-7004
Replaces: 91520-SR3-003
CLIP-WINDSHIELD MOULDING SIDE
Red Plastic (Use w/192-7003)
Honda Civic '92
UNIT PACKAGE 15



STK. # 193-7149
Replaces: 91518-SR4-003
CLIP-WINDSHIELD MOULDING SIDE
Grey Plastic
Honda Civic '92/
UNIT PACKAGE 10



STK. # 193-7150
Replaces: 91519-SR4-003
CLIP-WINDSHIELD MOULDING SIDE
Blue Plastic
Honda Civic '92/
UNIT PACKAGE 10



STK. # 194-7212
Replaces: 90675-SR4-003
GROMMET-PIN RETAINER w/SEALER
REAR WINDOW LOWER MOULDING
Plastic
Hole: M7 (Used w/194-7213)
Honda Accord '94, Civic '92/
UNIT PACKAGE 10

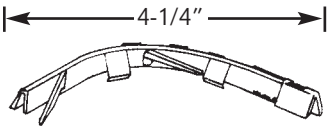


STK. # 194-7213
Replaces: 90676-SR4-003
PIN RETAINER-REAR WINDOW
LOWER MOULDING
(Used w/194-7212 Grommet)
Plastic
Head: 12MM
Honda Accord '94, Civic '92/
UNIT PACKAGE 15

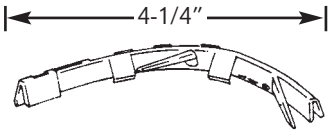
Import Parts



STK. # 194-7294
Replaces: 91525-SS0-003
CLIP-WINDSHIELD SIDE
White Plastic
Honda Prelude '92 - '94
UNIT PACKAGE 15



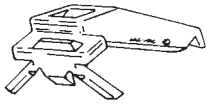
STK. # 194-7295
Replaces: 73155-SS0-004
CLIP- WINDSHIELD R/H CORNER
Black Plastic
Honda Prelude '92 - '94
UNIT PACKAGE 5



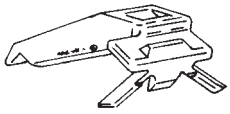
STK. # 194-7296
Replaces: 73156-SS0-004
CLIP-WINDSHIELD L/H CORNER
Black Plastic
Honda Prelude '92 - '94
UNIT PACKAGE 5



STK. # 296-7536
Replaces: 91572-SV2-003
CLIP-WINDSHIELD MOULDING
FRONT SIDE
White Plastic
Honda Accord '94/
UNIT PACKAGE 10



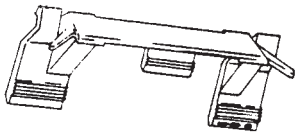
STK. # 193-7209
Replaces: 91576-SV4-003
CLIP-WINDSHIELD MOULDING
R/H CORNER
Green Plastic
Honda Accord '94/
UNIT PACKAGE 5



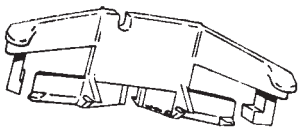
STK. # 193-7210
Replaces: 91577-SV4-003
CLIP-WINDSHIELD MOULDING
L/H Corner
Red Plastic
Honda Accord '94
UNIT PACKAGE 5



STK. # 193-7205
Replaces: 91572-SV2-003
CLIP-WINDSHIELD MOULDING
FRONT SIDE
White Plastic
Honda Accord '94/
UNIT PACKAGE 10



STK. # 193-7206
Replaces: 91573-SV4-003
CLIP-WINDSHIELD MOULDING SIDE
Blue Plastic (Use w/192-7005)
Honda Accord '94
UNIT PACKAGE 10



STK. # 193-7208
Replaces: 91574-SV4-003
CLIP-WINDSHIELD MOULDING SIDE
White Plastic
Honda Accord '94/
UNIT PACKAGE 5



STK. # 108-2372
Replaces: 90655-SB2-003
CLIP-PIN RETAINER VENT COWL &
INTERIOR TRIM PANELS
Plastic
Honda Civic '84/
UNIT PACKAGE 25



STK. # 189-6714
Replaces: 90672-671-003
CLIP-COWL GRILLE & HEADLINER
Hole: M5, Head: 12MM, P.R.: 5MM
Gray Plastic
Honda Accord '86/. (Headliner) '86 (Cowl)
UNIT PACKAGE 25



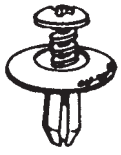
STK. # 189-6672
Replaces: 90687-SA5-003
CLIP-COWL TOP
Black Plastic
Honda Accord '87/
UNIT PACKAGE 25



STK. # 191-6939
Replaces: 91501-SM4-003
RETAINER-COWL TOP
Head: 14MM
Plastic
Honda Accord '90/
UNIT PACKAGE 15

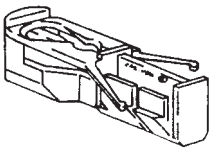


STK. # 108-2374
Replaces: 90688-SB0-003
RIVET-SCREW TYPE, AIRSCOOP
GRILLE COWL VENT PANEL
Black Plastic
Hole: M6, Washer Face: 18MM
Panel Range: 2.0-6.0MM
Honda Prelude '83/
UNIT PACKAGE 25

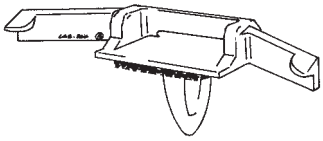


STK. # 186-6079
Replaces: 90687-SB0-003
& 90687-SB0-013
RIVET-SCREW TYPE
AIR SCOOP GRILLE
(COWL VENT PANEL)
Hole: M6, Panel Range: 2.0 - 6.0MM
Washer Face: 13MM
Black Plastic
Honda Prelude '83/
UNIT PACKAGE 25

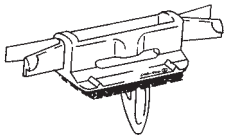
Import Parts



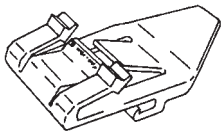
STK. # 295-7486
Replaces: 90666-SS0-003
CLIP-ROOF MOULDING
White Plastic
Honda Prelude '92/
UNIT PACKAGE 10



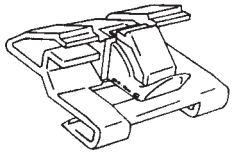
STK. # 196-7593
Replaces: 91528-SR4-003
CLIP- DRIP-RAIL-WITH-SEAL
Honda Accord '94/, Civic '92/
UNIT PACKAGE 15



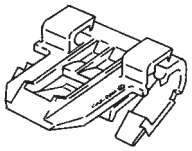
STK. # 199-7931
Replaces: 91528-SM4-023
CLIP-DRIP RAIL
White Plastic
Honda Accord '90 - '93
UNIT PACKAGE 10



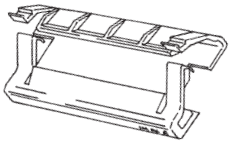
STK. # 191-6963
Replaces: 91527-SM4-003
CLIP-BELT MOULDING
Plastic
Honda Accord '90/
UNIT PACKAGE 10



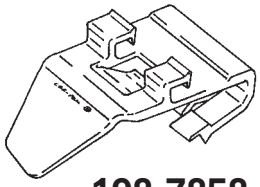
STK. # 196-7537
Replaces: 91510-SR3-003
CLIP-DOOR MOULDING
White Plastic
Honda Civic '95/
UNIT PACKAGE 10



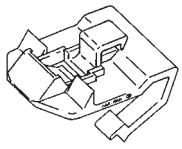
STK. # 298-7822
Replaces: 91589-SV4-003
CLIP- BELT MOULDING
Red Plastic
Honda Accord 4 Door '94/
UNIT PACKAGE 25



STK. # 198-7857
Replaces: 91531-ST0-003
CLIP-BELT MOULDING
Lime Green Plastic
Honda Civic '96/
UNIT PACKAGE 15



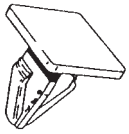
STK. # 198-7858
Replaces: 91561-S84-A01
CLIP-BELT MOULDING
Lt. Blue Plastic
Honda Accord '98
UNIT PACKAGE 25



STK. # 198-7859
Replaces: 91562-S84-A01
CLIP-BELT MOULDING
Yellow Plastic
Honda Accord '98
UNIT PACKAGE 10



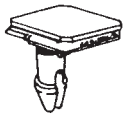
STK. # 198-7823
Replaces: 90676-671-003
& 90676-671-013
CLIP- FRONT & REAR FENDER
SPLASH SHIELD
Plastic
(Formerly 181-5394)
Honda
UNIT PACKAGE 15



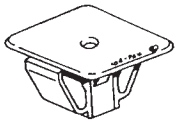
STK. # 190-6810
Replaces: 90654-SE0-000
CLIP- BUMPER COVER
Plastic
Honda Accord '86 - '89
UNIT PACKAGE 50



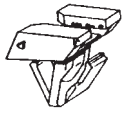
STK. # 190-6721
Replaces: 90665-SA5-003
RETAINER-REAR BUMPER
APRON MOULDING
Black Plastic
Honda Accord 4 Door '84 - '85
UNIT PACKAGE 25



STK. # 190-6720
Replaces: 90663-SA5-003
CLIP-REAR BUMPER
APRON MOULDING
White Plastic
Honda Accord 4 Door '84 - '85
UNIT PACKAGE 25



STK. # 191-6971
Replaces: 91635-SM4-003
GROMMET NUT- HEADLAMP TO GRILLE
SPACER BRACKET
Plastic, Screw: M5
Honda Accord '90/
UNIT PACKAGE 10

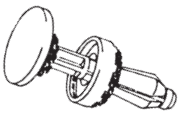


STK. # 191-6927
Replaces: 91580-SH3-003
RETAINER-CORNERING LAMP
Plastic
Honda Civic '90/
UNIT PACKAGE 10

Import Parts



STK. # 187-6211
Replaces: 90675-SB0-003, FB01-56-964 & 63876-95596
RIVET-SCREW TYPE
COWL VENT; FENDER SPLASH SHIELD & AIR DUCTS
Black Plastic
Hole: M8, Grip Range: 2.0-5.0MM
Washer Face 20.0MM
Honda, Mazda, Nissan '84/
UNIT PACKAGE 10



STK. # 191-6996
Replaces: 91508-SM4-003
RETAINER-COWL GRILLE
Plastic
Hole: M8 Head Dia.: 17MM
Honda Accord '90/
UNIT PACKAGE 10



STK. # 196-7529
Replaces: 91508-SR3-000
RETAINER- COWL GRILLE
Hole: M7
Head: 17.5MM
Panel Thickness: .80MM
Black Plastic
Honda Civic '92, CRV '97/
UNIT PACKAGE 10



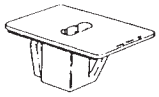
STK. # 295-7463
Replaces: 90657-SA6-003, N304-13-356-B
RIVET-SCREW TYPE, COWL GRILLE
Hole: M7, Washer Head: 14MM
Length: 11MM
Honda Accord '90 - '91, Mazda
UNIT PACKAGE 25



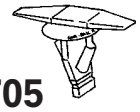
STK. # 295-7494
Replaces: 91515-SR3-000
CLIP-WEATHER STRIP RET.
Cowl
Black Plastic
Hole: M6, Head: 8MM x 17.8MM
Honda Civic '93/, CR-V '97/
UNIT PACKAGE 25



STK. # 188-6431
Replaces: 60658-SB3-000
COVER-COWL SCREEN SCREW
Black Plastic
Honda Civic '84/
UNIT PACKAGE 15



STK. # 190-6768
Replaces: 60642-SB3-003
GROMMET NUT-COWL SCREEN
M4 Screw
Plastic w/Sealer
Honda Civic '84 - '87
UNIT PACKAGE 10



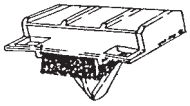
STK. # 297-7705
Replaces: 91530-SPL-003
RETAINER-WEATHERSTRIP
Plastic
Hole: M6, O/L: 11.5MM,
Head: 5MM X 15MM
Honda Accord, Civic & Odyssey '92/
UNIT PACKAGE 50



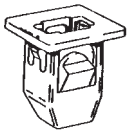
STK. # 297-7720
Replaces: 91530-ST5-003
CLIP-WEATHERSTRIP FRT & REAR DOOR
Plastic
Hole: M6, Stem Lgth: 8MM
Honda Civic '95/
UNIT PACKAGE 10



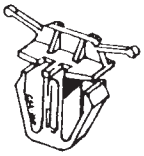
STK. # 191-6921
Replaces: 75329-SM4-013
CLIP- DOOR MOULDING
Red Plastic
Honda Accord '90
UNIT PACKAGE 15



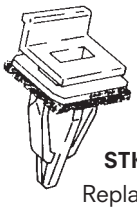
STK. # 190-6769
Replaces: 90605-SF1-003
CLIP-PILLAR GARNISH MOULDING REAR
Plastic
Honda Prelude '88/
UNIT PACKAGE 10



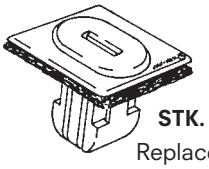
STK. # 190-6865
Replaces: 91510-SH2-000
CLIP-DOOR BODY SIDE MOULDING
Plastic
Honda CRX '88/
UNIT PACKAGE 10



STK. # 190-6722
Replaces: 90660-SA6-003
CLIP-LOWER GRILLE MOULDING
Black Plastic
Honda Accord 4 Door '84 -'85
UNIT PACKAGE 25

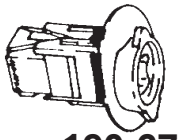


STK. # 191-6992
Replaces: 91513-SM4-000
RETAINER-ROCKER PANEL MOULDING w/SEALING WASHER
Plastic
Honda Accord '90/, Civic '92
UNIT PACKAGE 15



STK. # 191-6993
Replaces: 91536-SM4-003
GROMMET NUT- w/SEALER
ROOF DRIP RAIL
Screw: M4, Hole: 10MM x 7MM
Yellow Plastic
Honda Accord '90/
UNIT PACKAGE 15

Import Parts



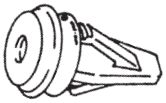
STK. # 190-6740
Replaces: 91623-SM2-003
GROMMET NUT-DOOR WINDOW
GUIDE TO FRAME
Screw: M4
Plastic
Honda Accord 2 Door '90/
UNIT PACKAGE 10



STK. # 108-2269
Replaces: 67771-22020
CLIP- TRIM PANEL
Honda
UNIT PACKAGE 25



STK. # 195-7383
Replaces: 91560-SM4-003
RETAINER-FRONT DOOR TRIM
Hole Size: M8
Plastic
Honda Accord '90/
UNIT PACKAGE 25



STK. # 196-7545
Replaces: 91566-SP0-003
RETAINER-SEAT PANEL
Hole: M8.5
Head Dia.: 12.6MM, O/L: 22.2MM
Honda Accord '90/
UNIT PACKAGE 15

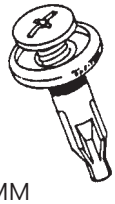


STK. # 297-7721
Replaces: 91560-SP0-003
RETAINER- DOOR PANEL
FRONT, REAR & SIDE PLASTIC
Hole Dia: M9, Sm Head Dia: 13MM
Slot: 2.5 x 5.75MM, Stem Lgth: 12MM
Honda Accord, Civic, Odyssey,
Prelude & Del Sol '91/
UNIT PACKAGE 10



STK. # 199-7914
Replaces: 91550-SH3-003
RIVET-SCREW TYPE
Front Door Panel, Interior,
Lic. Plate Garnish
Plastic
Hole: M6.6 Sq., Flange: 15MM,
Stem Length: 13MM, P.R.: 3MM
Honda Civic & CR-V '92/
UNIT PACKAGE 25

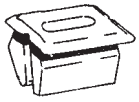
STK. # 190-6808



Replaces: 90505-SM-003
RIVET- SCREW TYPE
SILL PLATE MOULDING
Hole: M8, Washer Face: 18MM
Grip Range: 6-8MM
Plastic
Honda Accord '90/
UNIT PACKAGE 10



STK. # 194-7216
Replaces: 90682-SB0-003
GROMMET NUT-GRILLE
Screw: M5
Square Hole: 8MM sq.
Plastic
Honda '84/
UNIT PACKAGE 25



STK. # 296-7532
Replaces: 91619-SM4-003
GROMMET- CENTER PILLAR
White Plastic
Hole: 12 x 7MM, Head: 10.5 x 15MM
Screw: M3.5
Honda Accord '91/
UNIT PACKAGE 25



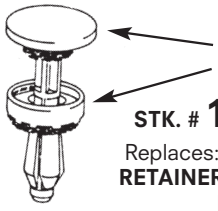
STK. # 195-7392
Replaces: 90676-SA7-003
GROMMET NUT
Hole: 8MM, Sq. Head: 13MM sq.
Screw: M5
Plastic
Honda & General Purpose
UNIT PACKAGE 25



STK. # 298-7861
Replaces: 90668-SGO-003
GROMMET NUT- SCREW TYPE w/SEALER
GARNISH MOULDING
Plastic
Screw: M4, Hole: M7 X 10MM
Flange: 11 X 14MM, P. R.: .08MM
Honda Accord '90 - '96
UNIT PACKAGE 15



STK. # 299-7912
Replaces: 90670-SG0-003, 91626-SH3-003
GROMMET- FRONT DOOR PANEL,
SPEAKERS & DOOR LOCK CONTROL
Plastic-w/Seal
Screw: M4, Hole: M7,
Head:12MM, PR: 2MM
Honda Civic CR-V '93/
UNIT PACKAGE 15



STK. # 199-8045
Replaces: 91508-S50-003
RETAINER-COWL GRILLE
Plastic
Hole: 7X9MM Oval, Head: 17.5MM
Stem Lgth: 13.5MM
Honda Accord & Odyssey '98/
UNIT PACKAGE 5



STK. # 199-8221
Replaces: 90602-SX0-003
RETAINER - COWL VENT
Plastic
Hole: M4.2, O/L: 18MM,
Upper Head: 12MM, Trim Thk: 2.7MM
Acura MDX, Honda Civic, Insight,
Odyssey & Prelude '95/
UNIT PACKAGE I0

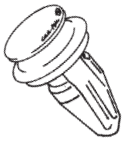


STK. # 199-8053
Replaces: 91502-S84-A11
RETAINER-WEATHERSTRIP
REAR HOOD SEAL
Hole: M6, Head: 6.5X16.5MM, P.R.:7MM
Honda Accord & Odyssey '98/
UNIT PACKAGE 15

Import Parts

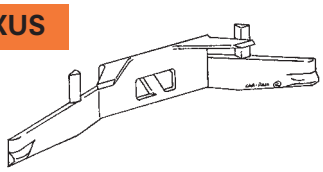


STK. # 199-8098
Replaces: 90663-671-003, 90663-692-003
RETAINER-DOOR TRIM PANEL
Plastic - 2 piece
Formerly 84-5778
Hole: M8.5, Flange: 12.7MM,
Lower Hd: 16MM,
Upper Hd.: 12.7MM, O/L: 21.5MM
Honda various models '76 - '89
UNIT PACKAGE 10

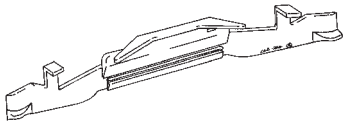


STK. # 199-8138
Replaces: 91560-S84-A11
RETAINER-WINDSHIELD GARNISH PILLAR
Plastic
Hole: M8, Stem Lgth: 12MM,
Middle Head: 16.5MM, Top Head: 13MM
Acura 3.2CL & Honda Accord, Insight, Odyssey, S200 '98/
UNIT PACKAGE 15

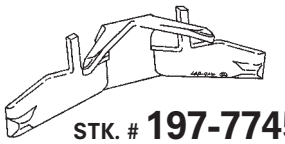
LEXUS



STK. # 197-7743
Replaces : 75545-24030
CLIP-WINDSHIELD MOULDING TOP
Plastic-White
Lexus SC300, 400 '92/'95
UNIT PACKAGE 10



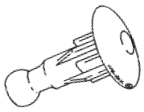
STK. # 197-7744
Replaces: 75545-32040
CLIP-WINDSHIELD MOULDING SIDE
Plastic-White
Lexus ES300 '92/'95
UNIT PACKAGE 10



STK. # 197-7745
Replaces: 75961-32050
CLIP-WINDSHIELD MOULDING
Corner
Plastic-Black
Lexus ES300 '92/'95
UNIT PACKAGE 10



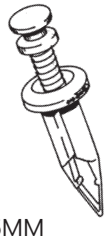
STK. # 198-7791
Replaces: 90467-10152
GROMMET-COWL VENT
Plastic Use with 198-7792
Hole: M9, Flange: 18MM
Stem Length: 16MM
Lexus '95/
UNIT PACKAGE 10



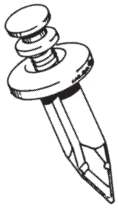
STK. # 198-7792
Replaces: 90467-07126
PIN RETAINER-COWL VENT
Plastic Use With 198-7791
Head: 16MM, Stem Length: 17MM
Lexus '95/
UNIT PACKAGE 10



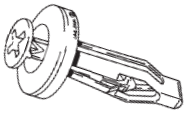
STK. # 191-6917
Replaces: 90467-09093
RIVET-SCREW TYPE
Plastic
Hole Size M9
Flange 15mm: G.R. 3-7mm
Front & Rear Bumper Covers
Lexus LS-400 '90/
UNIT PACKAGE 10



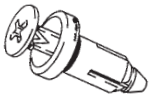
STK. # 196-7603
Replaces: 90467-09096
RIVET- SCREW TYPE
Front & Rear Bumper
Plastic
Hole Dia: M9, Stem Lgth: 26.5MM
Washer Dia: 15MM
Lexus, LS400, SC300, SC400
UNIT PACKAGE 10



STK. # 196-7604
Replaces: 90467-09128
RIVET- SCREW TYPE
Bumper Cover
Plastic
Hole Dia: M9, Stem Lgth: 26.5MM
Washer Dia: 20MM
Lexus, ES300, LS400
UNIT PACKAGE 10



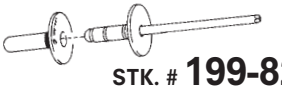
STK. # 198-7790
Replaces: 90467-09143
RIVET-DRIVE TYPE (Twist to Release)
Rear Bumper Cover, Plastic
Hole: M9, Flange: 19MM , P.R.: 5.5MM
Lexus '90/
UNIT PACKAGE 10



STK. # 198-7793
Replaces: 90467-09145
RIVET-DRIVE TYPE (Twist To Release)
Front Bumper Cover
Plastic
Hole: M9, Flange: 15MM, P.R.: 5MM
Lexus '92/
UNIT PACKAGE 10



STK. # 197-7708
Replaces: 90467-08124
RETAINER-HOOD INSULATION
Plastic
Hole: M7, Head Dia: 25MM,
Stem Lgth: 12MM
Toyota Supra &
Lexus LS400, SC400/300 '89/
UNIT PACKAGE 15



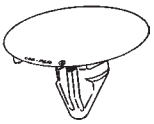
STK. # 199-8208
Replaces: 90269-04050
BLIND RIVET - WINDSHIELD, SIDE & DECK MOULDING
Hole: M4, Rivet: M3.2, Flange: 8MM,
G.R.: 4-7.9MM
Aluminum Rivet w/Steel Mandrel and Plastic Seal
Lexus GS300, 400, 430, & SC430 '98/
UNIT PACKAGE 15

TOYOTA

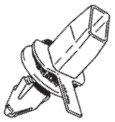


STK. # 198-7824
Replaces: 90467-09006
RETAINER- HOOD INSULATION
Plastic w/Textured Head
Hole: M7, Head: 30MM
P.R.: 4MM
Toyota Camry & Lexus '88/
UNIT PACKAGE 15

Import Parts



STK. # 198-7848
Replaces: 90467-09050
RETAINER-HOOD INSULATOR
Plastic
Hole: M8, Head: 25MM, G.R.: 4MM
Toyota Camry, Lexus
UNIT PACKAGE 15



STK. # 298-7827
Replaces: 75039-33060
RETAINER- LOWER QUARTER PANEL MOULDING
Plastic
Lexus ES300
UNIT PACKAGE 15



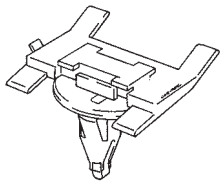
STK. # 198-7826
Replaces: 75039-33010
RETAINER- LOWER DOOR PANEL MOULDING
Plastic
Lexus ES300
UNIT PACKAGE 5



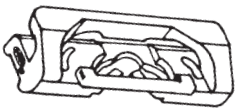
STK. # 198-7768
Replaces: 90467-05085
CLIP-LUGGAGE COMPARTMENT TRIM
Plastic
Fits: M5 Stud, Head Dia: 21MM
Toyota Camry '92/'96, Lexus ES300 '95/
UNIT PACKAGE 10



STK. # 198-7894
Replaces: 90189-05012
8941-340-270
NUT-WIDE RANGE
M4.2 Screw
Formerly 185-5979
Plastic, Various Applications
Toyota, Isuzu, Lexus
UNIT PACKAGE 25

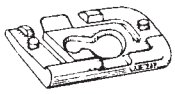


STK. # 298-7828
Replaces: 75049-33020, 75049-33010
RETAINER-SIDE DOOR CLADDING
Plastic
Lexus '90/
UNIT PACKAGE 10



STK. # 108-2299
Replaces: H-0015609
CLIP-WINDSHIELD REVEAL MOULDING
Mazda 626 '83/
UNIT PACKAGE 25

MAZDA



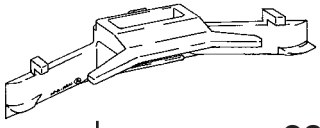
STK. # 108-2220
Replaces: 72825-47400
CLIP-WINDSHIELD REVEAL MOULDING
Datsun & Mazda
UNIT PACKAGE 50



STK. # 108-2241
Replaces: 1243-SO-609
CLIP-WINDSHIELD REVEAL MOULDING
Mazda RX-7 '84-'85
UNIT PACKAGE 25

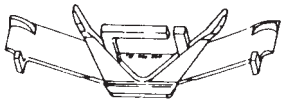


STK. # 109-6329
Replaces: G030-50-6A9
CLIP-WINDSHIELD MOULDING UPPER
Plastic
Mazda 626 2 Door '86/
UNIT PACKAGE 15

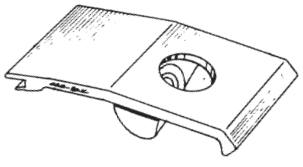


STK. # 297-7740
Replaces: HG30-50-6B9A
CLIP-WINDSHIELD MOULDING
Front & Rear
Plastic-Brown
Mazda 929 '92/'95
UNIT PACKAGE 10

STK. # 297-7741
Replaces: HG30-50-609
CLIP-WINDSHIELD MOULDING SIDE
Plastic-White
Mazda 929 '92/'95
UNIT PACKAGE 10



STK. # 191-6892
Replaces: LA01-50-6A9A
CLIP-WINDSHIELD MOULDING
Brown Plastic
Mazda MPV Van '89/
UNIT PACKAGE 10

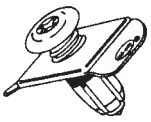


STK. # 108-2270
Replaces: 8871-50-608
CLIP-WINDSHIELD PILLAR POST
Mazda RX-7 '79
UNIT PACKAGE 25

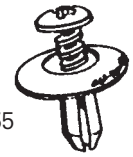


STK. # 199-8121
Replaces: B092-50-609
CLIP-WINDSHIELD, HATCH, SIDE & REAR MOULDINGS
Plastic
Mazda 323, 626, MX6 '88-'92; MPV '85-'95; 929 '92-'95
UNIT PACKAGE 15

Import Parts



STK. # 197-7670
Replaces: BF67-50-033
RIVET-SCREW TYPE
BUMPER COVER RETAINER
Plastic
Hole: M10, G.R.: 2-7MM
Mazda 323 '86/
UNIT PACKAGE 10



STK. # 185-5981
Replaces: 80915-29A66,
8942-431-900, 9926-50-635
RIVET-SCREW TYPE
Hole: M6, Panel Range 2-5MM
Washer Face: 20MM
Plastic
Nissan, Isuzu, Mazda,
Various Applications
UNIT PACKAGE 25

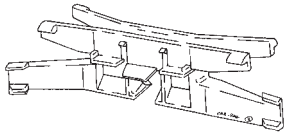


STK. # 190-6750
Replaces: B100-68-8550
RIVET -DRIVE TYPE
REAR LAMP ACCESS DOOR
Hole: M8, Washer: 17MM,
Panel Range 3-5MM
Black Plastic (Paint to Match)
Mazda 323 '86/
UNIT PACKAGE 15

ISUZU/SPECTRUM



STK. # 109-6326
Replaces: 8-94133167-0
RETAINER-COWL SCREEN
M3.5 Hole, Head Dia.: 8.0MM
5.0MM Panel Thickness
Plastic
G.M. Spectrum & Isuzu '85/
UNIT PACKAGE 100

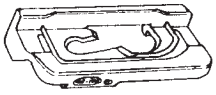


STK. # 199-8071
Replaces: 91017FA010
CLIP-WINDSHIELD MOULDING
Plastic
Subaru Forrester, '98/ Impreza '93-'98
UNIT PACKAGE 10

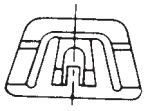


STK. # 198-7765
Replaces: 30008324,
09409-07325
RIVET - DRIVE TYPE
Radiator Grille, Bumper
Plastic-Black
Hole: M7, Flg. Dia: 16MM,
Stem Lgth: 9MM, Shoulder: 9MM
Geo Metro 89/98, Suzuki Esteem '95/'97
UNIT PACKAGE 15

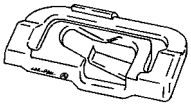
MITSUBISHI



STK. # 108-2301
Replaces: MB 198536
CLIP-WINDSHIELD MOULDING
Hyundai Sonata '88/
Dodge Conquest
Mitsubishi Starion '84/
UNIT PACKAGE 25

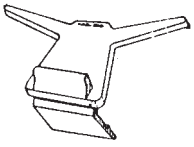


STK. # 108-2240
Replaces: MB-106520,
90694-SAG-003
CLIP-WINDSHIELD MOULDING
Chrysler Arrow, Colt
Other Japanese Models
UNIT PACKAGE 25

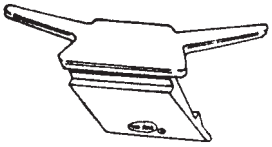


STK. # 197-7742
Replaces: MB880455
CLIP-WINDSHIELD MOULDING
Plastic-Light Blue
Mitsubishi Montero '92/'95
UNIT PACKAGE 10

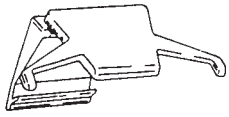
NISSAN



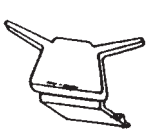
STK. # 108-2261
Replaces: 72727-W1000
CLIP-WINDSHIELD REVEAL MOULDING
White
Datsun
UNIT PACKAGE 25



STK. # 108-2297
Replaces: 72826-01P00
CLIP-WINDSHIELD MOULDING
Plastic
Nissan 300 ZX '84/
UNIT PACKAGE 25



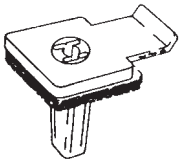
STK. # 191-6907
Replaces: 73856-51E00
CLIP-ROOF SIDE MOULDING
Plastic
Nissan Stanza '90/
UNIT PACKAGE 25



STK. # 191-6951
Replaces: 72796-30P00
CLIP-WINDSHIELD MOULDING SIDE
Plastic
Nissan 300 ZX '90/
UNIT PACKAGE 15

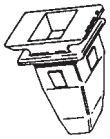


STK. # 191-6950
Replaces: 79796-71E00
CLIP-BACK GLASS MOULDING
Plastic
Nissan Maxima '90/
UNIT PACKAGE 25



STK. # 191-6948
GROMMET w/SEALER
WINDSHIELD SIDE MOULDING
Plastic M4 Screw
Nissan Maxima '90/
UNIT PACKAGE 15

Import Parts



STK. # 191-6900
Replaces: 01553-03361
GROMMET-WINDSHIELD MOULDING RETAINER
Lower Corner Moulding
(Use w/191-6901)
Plastic
Nissan Pathfinder '90/
UNIT PACKAGE 15



STK. # 191-6901
Replaces: 01553-03371
RETAINER-WINDSHIELD MOULDING
Lower Corner Moulding (Use w/191-6900)
Plastic
Nissan Pathfinder '90/
UNIT PACKAGE 25



STK. # 191-6949
Replaces: 80874-85E00
GROMMET-COWL GRILLE
Plastic w/Sealer
Use w/192-7012
Nissan Maxima '90/
UNIT PACKAGE 15



STK. # 192-7012
Replaces: 66820-88E00
CLIP-COWL SCREEN
Plastic Use w/191-6949
Head Dia.: 10MM, O/L: 18MM
Nissan Maxima '90/
UNIT PACKAGE 25



STK. # 191-6954
Replaces: 01553-01781
RETAINER-COWL GRILLE
Hole: M5 Head Dia.: 12MM
O/L: 15MM
Plastic
Nissan 240 SX '90/
UNIT PACKAGE 25



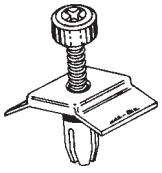
STK. # 191-6952
RIVET-SCREW TYPE, COWL GRILLE
Plastic
Hole: M6 Sq. Head: 8MM x 12MM
G.R.: 5M-7MM
Nissan 300 ZX '90/
UNIT PACKAGE 25



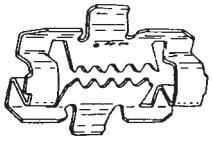
STK. # 187-6197
Replaces: 66814-01G00
DRIVE RIVET-
COWL GRILLE RETAINER
Hole: 5MM Sq., Panel Range 1.0-4.0MM
Rectangular Face: 8.0 x 12.0MM
Plastic
Nissan Pick-up Truck '86/
UNIT PACKAGE 25



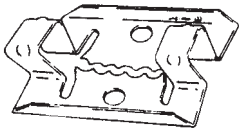
STK. # 108-2237
Replaces: 90467-07050
& 01553-00172
CLIP-WEATHERSTRIP & TRIM PANEL
Hole: M5
Datsun
UNIT PACKAGE 100



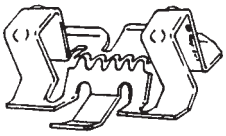
STK. # 183-5735
Replaces: 66824-W1000
CLIP w/SCREW-HOOD MOULDING
Datsun
UNIT PACKAGE 25



STK. # 190-6801
RETAINER-FRONT BUMPER CUSHION
Metal
Nissan Sentra '87/ & Infinity Q45 '91/
UNIT PACKAGE 15



STK. # 195-7492
Replaces: 62228-51S00
RETAINER-FRONT BUMPER
Metal
Nissan 300ZX '89/
UNIT PACKAGE 10



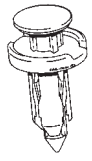
STK. # 195-7493
Replaces: 62228-65E00
CLIP-FRONT BUMPER
Metal
Nissan Stanza '90 - '94
UNIT PACKAGE 10



STK. # 195-7491
Replaces: 01553-02741,
01553-03201
RIVET-SCREW TYPE
Front & Rear Bumper
Plastic, Black High Gloss Finish
Hole: M8, Panel Range: 2-5MM
Head: 22MM
Shoulder: 11MM x 4MM
Nissan, Various Models '82 - '94
UNIT PACKAGE 10



STK. # 191-6918
Replaces: 01553-06721
RIVET-DRIVE TYPE
FRONT & REAR BUMPER COVERS
Plastic
Hole: M8, Washer Face: 19MM
G.R.: 3-6MM
Nissan Maxima '90/
Infinity Q45 (Rear) '90/
UNIT PACKAGE 15



STK. # 198-7766
Replaces: 01553-09241
RETAINER - BUMPER
Plastic
Hole: M10, Stem Lgth: 18MM,
Flange: 18MM
Nissan Maxima & 240SX '94/
UNIT PACKAGE 10

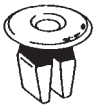
Import Parts



STK. # 198-7854
Replaces 01553-09321
RIVET-DRIVE TYPE (REUSABLE)
Plastic-Front Fender
Hole: M8, Flange: 20MM, P.R.: 4MM
Nissan Maxima, 300SX '94/
UNIT PACKAGE 15



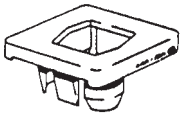
STK. # 198-7770
Replaces: 90467-09139
01553-03803
RIVET-DRIVE TYPE, FRONT BUMPER
Plastic
Hole: M9, Washer Dia: 18MM
Stem Length: 12MM
Toyota Corolla '95/, Nissan
UNIT PACKAGE 10



STK. # 191-6956
Replaces: 01281-00441
GROMMET-FRONT BUMPER APRON
Plastic
M5/6 Screw, Hole: 8MM Sq.
Nissan Stanza '90
UNIT PACKAGE 25



STK. # 191-6955
Replaces: 01553-00545
RETAINER-REAR BUMPER FASCIA
Plastic
M6 Hole, Head Dia. 14MM
O/L: 17MM
Nissan Sentra '90/
UNIT PACKAGE 25



STK. # 192-7096
Replaces: 62380-U7400
CLIP-GRILLE RETAINING
Plastic
Hole: 12MM x 16MM
Nissan Pathfinder & Sentra '87/
UNIT PACKAGE 10



STK. # 192-7097
Replaces: 63848-D4000
CLIP-INNER FENDER PANEL
Plastic
Hole: M6
Nissan & Infinity Models '89/
UNIT PACKAGE 15



STK. # 197-7634
Replaces: 08540-61608
SCREW- PHILLIPS TRUSS HEAD
M6 x 15MM
Head Dia: 13.5MM
Black Finish
Use with 192-7097
Nissan '88/
UNIT PACKAGE 50



STK. # 197-7734
Replaces: 01553-02923
GROMMET-WHEEL FLARE
Plastic
Flare Assy. # 63810-0W600
Use with Pin 197-7735
Nissan Pathfinder '97/
UNIT PACKAGE 15



STK. # 197-7735
PIN-WHEEL FLARE
Plastic
Flare Assy # 63810-0W600
Use With Grommet 197-7734
Nissan Pathfinder '97/
UNIT PACKAGE 15



STK. # 190-6800
Replaces: 76882-57A00
RIVET-DRIVE TYPE
BODY SIDE MOULDING RETAINER
Plastic
Hole: M8, Flange: 16MM
G.R.: 4-8MM
Nissan Sentra '86/
UNIT PACKAGE 10



STK. # 191-6953
Replaces: 63854-01A00
RIVET-SCREW TYPE
Plastic Textured Finish
Hole: M8, Washer Face: 20MM
G.R.: 4MM-8MM
Nissan 300ZX '90/
UNIT PACKAGE 15



STK. # 190-6814
Replaces: 84948-11A00
RIVET-SCREW TYPE
INTERIOR TRIM PANEL
Tan Plastic (Paint to Match)
Hole: M6, Washer Face: 12MM
G.R. 7-9MM
Nissan Sentra '82/
UNIT PACKAGE 25



STK. # 108-2238
Replaces: 90467-06054
RIVET-TRIM PANELS
Black Plastic
Datsun
UNIT PACKAGE 100



STK. # 196-7526
Replaces: 01553-00755, 80999-05N07,
90467-07043
RIVET-DRIVE TYPE DECK TRIM
Hole: 7MM Head Dia.: 18MM
Stem Length: 11MM
Nissan, Toyota
UNIT PACKAGE 15

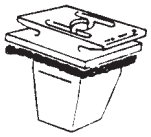


STK. # 108-2255
Replaces: 01553-00051
CLIP-TRIM PANEL
Datsun
UNIT PACKAGE 25

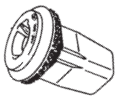
Import Parts



STK. # 298-7794
Replaces: 01281-00081
GROMMET- SCREW
(Formerly 182-5573)
Screw: M4, Hole: 8MM sq.
Nissan
UNIT PACKAGE 25



STK. # 195-7490
Replaces: 01281-00481
NUT-GROMMET w/SEALER
White Plastic
M4.2 Screw, 8MM Sq. Hole
Nissan Pathfinder '86/
UNIT PACKAGE 10

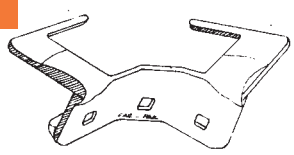


STK. # 199-8040
Replaces: 01281-00601
GROMMET-LICENSE PLATE, BUMPER
Trunk & Interior Trim
Plastic
Hole: M8.5 sq, Flange: 16MM,
PR: .8MM, Screw: M5
Nissan Cars & Trucks '86/
UNIT PACKAGE 25

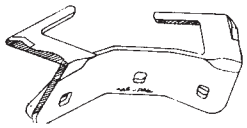


STK. # 110-5035
Replaces: 542290201P
CLIP-WINDOW CRANK HANDLE
RETAINING
Datsun
UNIT PACKAGE 50

TOYOTA



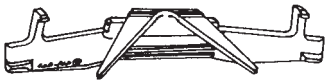
STK. # 108-2274
Replaces: 75546-14080
CLIP-WINDSHIELD MOULDING
Toyota Celica '81 - '87
UNIT PACKAGE 25



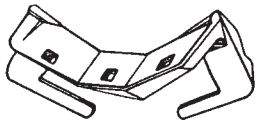
STK. # 108-2275
Replaces: 75545-14081
CLIP-WINDSHIELD MOULDING
Toyota Celica-Supra '82/
UNIT PACKAGE 25



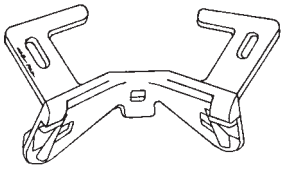
STK. # 108-2368
Replaces: 75545-20060
CLIP-WINDSHIELD MOULDING
Green Plastic
Toyota Celica '86/
UNIT PACKAGE 25



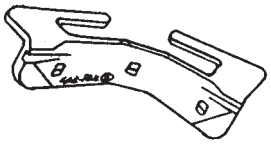
STK. # 108-2363
Replaces: 75546-20060
CLIP-WINDSHIELD MOULDING
Blue Plastic
Toyota Celica (FWD) '86/
UNIT PACKAGE 25



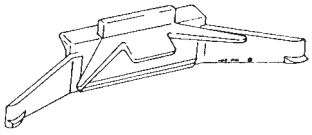
STK. # 187-6337
Replaces: 75545-14060
CLIP-WINDSHIELD MOULDING
Plastic
Toyota Celica (RWD) '82-'85
UNIT PACKAGE 25



STK. # 108-2304
Replaces: 75546-22030
CLIP-WINDSHIELD MOULDING
Toyota Cressida '81 - '82
UNIT PACKAGE 25



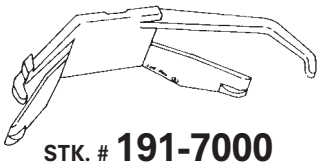
STK. # 108-2331
Replaces: 75546-22050
CLIP-WINDOW MOULDING
Plastic
Toyota Cressida '85/
UNIT PACKAGE 25



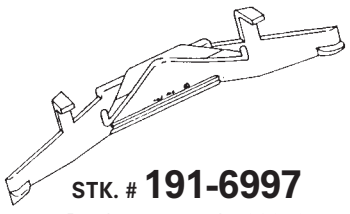
STK. # 191-6998
Replaces: 75546-22060
CLIP-WINDSHIELD MOULDING SIDES
Plastic
Toyota Cressida '88/
UNIT PACKAGE 15



STK. # 191-6999
Replaces: 75962-22040
CLIP-WINDSHIELD MOULDING
Top Corner L.H.
Plastic
Toyota Cressida '88/
UNIT PACKAGE 10

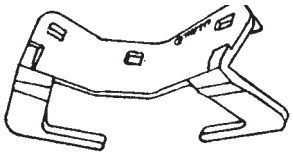


STK. # 191-7000
Replaces: 75961-22030
CLIP-WINDSHIELD MOULDING
Top Corner R.H.
Plastic
Toyota Cressida '88/
UNIT PACKAGE 10

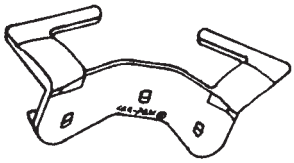


STK. # 191-6997
Replaces: 75545-22070
CLIP-WINDSHIELD TOP
Plastic
Toyota Cressida '88/
UNIT PACKAGE 15

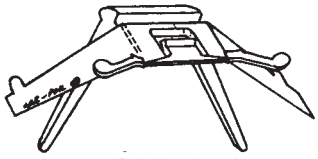
Import Parts



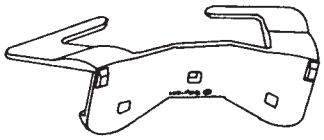
STK. # 108-2326
Replaces: 75546-32010
CLIP-WINDSHIELD MOULDING
Plastic
Toyota Camry '86/
UNIT PACKAGE 25



STK. # 108-2329
Replaces: 75545-12040
CLIP-WINDSHIELD MOULDING
Plastic
Toyota Corolla '84/
UNIT PACKAGE 25



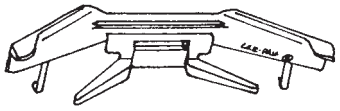
STK. # 108-2364
Replaces: 75545-12050
CLIP-WINDSHIELD MOULDING
White Plastic
Toyota Corolla (RWD) '84/
UNIT PACKAGE 10



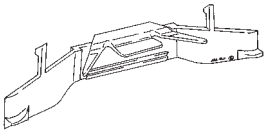
STK. # 108-2369
Replaces: 75546-12030
CLIP-WINDSHIELD MOULDING
Plastic
Toyota Corolla '84/
UNIT PACKAGE 10



STK. # 108-2370
Replaces: 75548-16030
CLIP-WINDSHIELD MOULDING
White Plastic w/ Self Adhesive
Toyota Tercel '83-'86, Camry '92/
Corolla '88-'92
UNIT PACKAGE 25



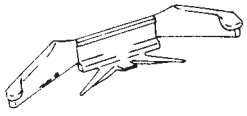
STK. # 188-6382
Replaces: 75545-32020
CLIP-WINDSHIELD MOULDING
Light Blue Plastic
Toyota Tercel '87-'91
UNIT PACKAGE 25



STK. # 297-7711
Replaces: 75546-12060
CLIP-WINDSHIELD SIDE MOULDING
Plastic-White
Toyota Corolla Sedan & Wagon '88/'92
UNIT PACKAGE 15



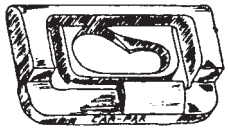
STK. # 189-6615
Replaces: 75547-32010
CLIP-BACK GLASS MOULDING
Upper & Side
Yellow Plastic
Toyota Camry '87/
UNIT PACKAGE 15



STK. # 193-7175
Replaces: 75545-32020
CLIP-WINDSHIELD MOULDING
White Plastic
Toyota Camry '92/
UNIT PACKAGE 10



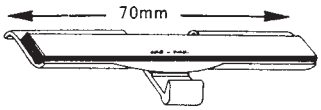
STK. # 108-2247
Replaces: 75545-12031
CLIP-WINDSHIELD REVEAL
MOULDING
Toyota
UNIT PACKAGE 50



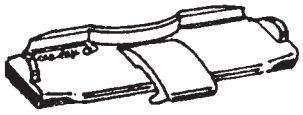
STK. # 108-2248
Replaces: 75545-30021
CLIP-WINDSHIELD REVEAL
MOULDING
Toyota
UNIT PACKAGE 50



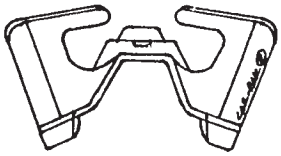
STK. # 108-2249
Replaces: 75546-22021B
CLIP-WINDSHIELD REVEAL MOULDING
Toyota
UNIT PACKAGE 25



STK. # 108-2303
Replaces: 75548-32010
CLIP-WINDSHIELD MOULDING
Self Adhesive
Toyota '82/
UNIT PACKAGE 25

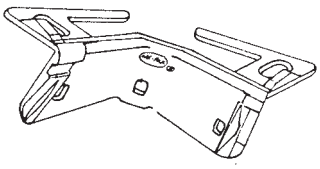


STK. # 108-2330
Replaces: 75548-89102
CLIP-WINDSHIELD MOULDING
Self Adhesive Plastic
Toyota Truck '84/
UNIT PACKAGE 10

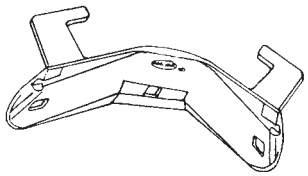


STK. # 108-2327
Replaces: 75546-28010
CLIP-WINDSHIELD MOULDING
Plastic
Toyota Van '85/
UNIT PACKAGE 25

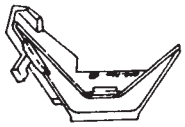
Import Parts



STK. # 108-2308
Replaces: 75545-28010
CLIP-WINDSHIELD MOULDING
Toyota Van '84
UNIT PACKAGE 25



STK. # 108-2307
Replaces: 75545-89101
CLIP-WINDSHIELD MOULDING
Toyota Pick-Up Trucks '84/
UNIT PACKAGE 25



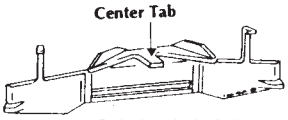
STK. # 190-6872
Replaces: 75547-89105
CLIP-WINDSHIELD MOULDING CHROME
Upper L.H. Corner
Yellow Plastic
Toyota Truck '88/
UNIT PACKAGE 10



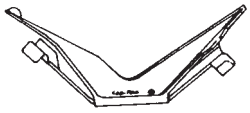
STK. # 190-6870
Replaces: 75545-89103
CLIP-WINDSHIELD MOULDING CHROME
Side L.H. & R.H.
White Plastic w/o Center tab
Toyota Truck '88/
UNIT PACKAGE 15



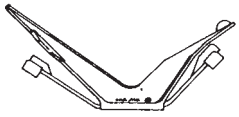
STK. # 190-6871
Replaces: 75547-89104
CLIP-WINDSHIELD MOULDING CHROME
Upper R.H. Corner
White Plastic
Toyota Truck '88
UNIT PACKAGE 10



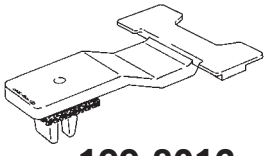
STK. # 190-6869
Replaces: 75545-89102
CLIP-WINDSHIELD MOULDING CHROME
Side L.H. & R.H.
White Plastic w/Center Tab
Toyota Truck '88/
UNIT PACKAGE 15



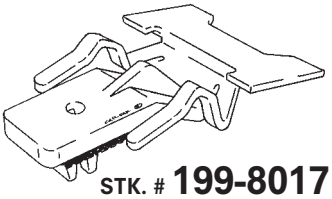
STK. # 190-6874
Replaces: 75547-89107
CLIP-WINDSHIELD MOULDING CHROME
Lower L.H. Corner
Gray Plastic
Toyota Truck '88/
UNIT PACKAGE 10



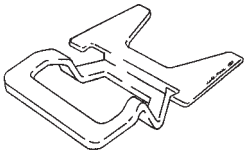
STK. # 190-6873
Replaces: 75547-89106
CLIP-WINDSHIELD MOULDING CHROME
Lower R.H. Corner
Black Plastic
Toyota Truck '88/
UNIT PACKAGE 10



STK. # 199-8016
Replaces: 75546-89102
CLIP-WINDSHIELD MOULDING, LOWER
Black Plastic
Toyota Pick-Up & 4 Runner '84 / '88
UNIT PACKAGE 10



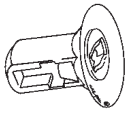
STK. # 199-8017
Replaces: 75546-89101
CLIP-WINDSHIELD MOULDING, LOWER
White Plastic
Toyota Pick-Up & 4 Runner '84 / '88
UNIT PACKAGE 10



STK. # 199-8018
Replaces: 75547-89101
CLIP-WINDSHIELD MOULDING, LOWER
Plastic
Toyota Pick-Up & 4 Runner '84 / '88
UNIT PACKAGE 10



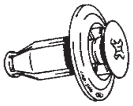
STK. # 298-7839
Replaces: 90189-04150
GROMMET NUT
WINDSHIELD MOULDINGS
Plastic w/Seal
Screw: M4.2, Hole: 7MM sq.
Flange: 12MM sq.
Toyota T100 '92/
UNIT PACKAGE 10



STK. # 198-7769
Replaces: 90467-05051
NUT-COWL SIDE TRIM STUD
Plastic
Fits M5 Stud, 10MM Hex
Toyota Trucks T100, 4 Runner '89/
UNIT PACKAGE 10



STK. # 198-7856
Replaces 90467-07117
RIVET-DRIVE TYPE (PUSH TO RELEASE)
Cowl Grille
Plastic
Hole: M7, Flange: 17MM, P.R.: 3MM
Toyota Camry '98
UNIT PACKAGE 10

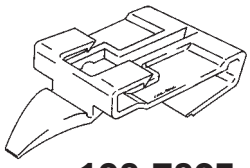


STK. # 199-7911
Replaces: 90467-07146
RIVET- DRIVE TYPE, PHILLIPS HEAD
Cowl Grille
Plastic
Hole: M7, Flange: 16MM, P.R.: 3MM
Toyota Solara '99
UNIT PACKAGE 10

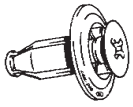
Import Parts



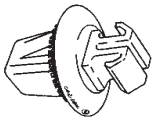
STK. # 199-7930
Replaces: 75395-28010
CLIP-COWL VENT
Plastic
Hole: M10 Sq.
Toyota Previa '91/
UNIT PACKAGE 5



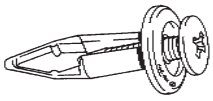
STK. # 198-7825
Replaces: 68211-32040
CLIP- BELT & DOOR GLASS MOULDING
Plastic
Toyota Camry '91/
UNIT PACKAGE 15



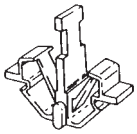
STK. # 199-8022
Replaces: 90467-06133
RIVET-DRIVE TYPE w/PHILLIPS RECESS
Rocker Panel
Textured Plastic-Paint to Match
Hole: M6, Flange: 14MM, PR: 4MM
Toyota 4 Runner '98/
UNIT PACKAGE 15



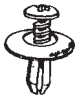
STK. # 199-7988
Replaces: 90467-11063
RETAINER-ROCKER PANEL MOULDING
Plastic
Hole: M9
Toyota Previa '90/
UNIT PACKAGE 15



STK. # 198-7855
Replaces: 90467-09127
RIVET-SCREW TYPE
Plastic-Front Bumper Cover
Hole: M9, Flange: 20MM, P.R.: 6MM
Toyota Camry, Corolla '98
UNIT PACKAGE 10



STK. # 190-6759
Replaces: 90467-17004
CLIP-RADIATOR GRILLE
Back Plastic
Toyota Cressida '84-'87
UNIT PACKAGE 15



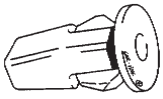
STK. # 197-7714
Replaces: 90467-07044
RIVET-SCREW TYPE
Fender Splash Shield
Plastic
Hole: M7, Flange Dia: 20MM,
Grip Range: 3MM
Toyota T-100 Pickup '92/
UNIT PACKAGE 10



STK. # 197-7717
Replaces: 90467-07166
RIVET-DRIVE TYPE
Front Fender Splash Shield
Plastic
Hole: M7, Flange Dia: 20MM,
Grip Range: 3MM
Toyota Tercel '94/
UNIT PACKAGE 15



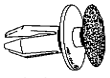
STK. # 197-7710
Replaces: 90467-10107
CLIP-Fender Splash Shield
Plastic-Textured Head
Hole: M8, Head Dia: 17MM,
Stem Lgth: 11MM
Toyota Truck '88/
UNIT PACKAGE 10



STK. # 197-7740
Replaces: 90189-06028
RETAINER- WHEEL APRON
Plastic
Hole: M9 sq., Flange: 16MM
Toyota Tacoma, T100 & 4Runner
UNIT PACKAGE 15



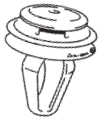
STK. # 197-7713
Replaces: 90467-09004
RETAINER-HOOD INSULATION
Plastic
Hole: M7, Head Dia: 30MM,
Stem Lgth: 16MM
Toyota Tacoma '95/
UNIT PACKAGE 15



STK. #297-7716
Replaces: 90467-07059-22
RIVET-DRIVE TYPE
Door Trim & Trunk
Plastic W/ Textured Head
Hole: M7, Flange Dia: 15MM,
Grip Range: 2MM
Toyota, Celica & Camry '90/
UNIT PACKAGE 10



STK. # 297-7715
Replaces: 67771-30090
CLIP-DOOR TRIM PANEL
Plastic
Hole: M9
Stem Lgth: 17MM
Toyota Land Cruiser '91/
UNIT PACKAGE 15



STK. # 297-7707
Replaces: 67771-30070
CLIP-DOOR TRIM PANEL
Plastic
Hole: M9, Stem Lgth: 11MM
Toyota Cars & Trucks '92/
UNIT PACKAGE 15



STK. # 297-7706
Replaces: 67771-16080
CLIP-DOOR TRIM PANEL
Plastic
Hole: M9, Stem Lgth: 15MM
Toyota Truck '88/
UNIT PACKAGE 15

Import Parts



STK. # 297-7709
Replaces: 90467-07096
CLIP-TRIM PANEL
Plastic
Hole: M6, Head: 26MM
Stem Lgth: 10.5MM
Toyota Trk 4wd '89/
UNIT PACKAGE 15



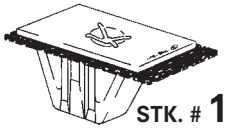
STK. # 197-7712
Replaces: 90467-08122
CLIP-HEADLINER
Plastic
Hole: M8, Head Dia: 15MM
Stem Lgth: 12MM
Toyota Tacoma & T-100 '92/
UNIT PACKAGE 15



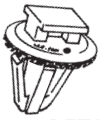
STK. # 197-7673
Replaces: 95008221, 67771-12050
RETAINER- FRONT-&-REAR-DOOR
Plastic-Yellow
Hole Dia: M9
Geo, Prism '93/
Totota Celica, Corolla & Previa '90/
UNIT PACKAGE 50



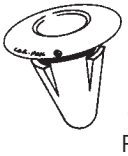
STK. # 199-8099
Replaces: 90467-06093
RETAINER-COWL VENT
Plastic - Use with 198-7791
Head: 20MM, Stem Length: 18MM
Lexus LS400, GS300, SC300/400 '95/
& Toyota
UNIT PACKAGE 10



STK. # 199-8078
Replaces: 90189-04184
GROMMET-COWL GRILLE
Hole: 6x16MM, Flange: 12x21MM,
Screw: M3.5(#6)
Plastic
Toyota Rav 4, 4 Runner 8 Tacoma '95/
UNIT PACKAGE 25



STK. # 199-8171
Replaces: 62955-12010
RETAINER-RADIATOR GRILLE, TRUNK
PANEL, BACK GLASS LOUVER
Plastic - with sealer
Hole: M8, Flange: 15MM
Head: 8MM Sq.
Toyota Corolla, Rav 4 '88/ &
Lexus ES300 '92-'96
UNIT PACKAGE I0



STK. # 199-8148
Replaces: 90467-08184
GROMMET - COWL VENT
Plastic - use w/199-8149
Hole: M8, Flange: 15MM
Toyota 4 Runner, Tacoma,
Pre-Runner & Tundra '95/
UNIT PACKAGE 15



STK. # 199-8149
Replaces: 90467-07045-22
PIN RETAINER - COWL VENT
Plastic - use w/99-8148
Head: 13MM (Textured),
Stem Length: 15MM
Toyota 4 Runner, Tacoma, Pre-Runner,
Tundra'95/
UNIT PACKAGE 15



STK. # 199-8079
Replaces: 90467-07085
RETAINER-DOOR PANEL
Hole: M6.3, Flange: 18MM,
Stem Lgth: 9MM
Plastic (Push to release style)
Toyota Camry, Rav 4,
4 Runner & Tacoma '95/
UNIT PACKAGE 25



STK. # 199-8151
Replaces: 90467-08186
RETAINER - TRIM PANEL
Interior Trunk & Quarter Panels
Plastic
Hole: M7, Head: 16MM
Stem Length: 16MM, O/L: 19.5MM
Toyota Camry, Lexus ES300,
GS300/400, RX300 '97/
UNIT PACKAGE 15



STK. # 199-8172
Replaces: 67771-20110
RETAINER-DOOR PANEL
Plastic with sealer
Hole: M9, Flange: 18MM, Top Head: 13MM
Stem Lgth: 15.5MM
Toyota Rav 4, T 100 Pick Up '93/
UNIT PACKAGE 15



STK. # 199-8176
Replaces: 90467-10016
RETAINER-HEADLINER
Plastic - Textured Head, Paint to Match
Hole: M8, Head: 18MM
Stem Lgth: 15MM
Toyota Rav 4 '96/
UNIT PACKAGE 15



STK. # 199-8136
Replaces: 90084-26002
RIVET-FRONT & REAR DOOR WINDOW
MOULDING
Closed End Sealing Type
Aluminum Rivet w/Aluminum Mandrel
M4 Rivet, Flange: 7.9MM,
Grip Range: 1.6-6.3MM
Toyota Camry '97/
UNIT PACKAGE 50

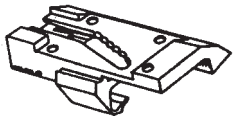
VOLVO



STK. # 108-2216
Replaces: 1254849
CLIP-WINDSHIELD
MOULDING SLIDING CENTER
White
Volvo
UNIT PACKAGE 25

STK. # 108-2218
Replaces: 1246934
CLIP-WINDSHIELD
MOULDING SLIDING CENTER
Green/White
Volvo
UNIT PACKAGE 25

Import Parts, Auto Door & Window Parts



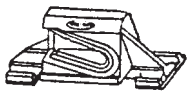
STK. # 108-2371
Replaces: 1342004
CLIP-WINDSHIELD MOULDING
Upper & Side
Volvo 740 & 760 '85/
UNIT PACKAGE 25



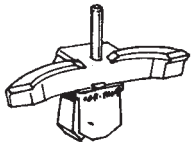
STK. # 179-4984
Replaces: 1255552
CLIP-WINDSHIELD MOULDING
Stationary Center
Black
Volvo
UNIT PACKAGE 25



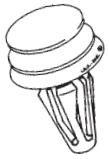
STK. # 108-2219
Replaces: 1246926
CLIP-WINDSHIELD MOULDING
Stationary Center
Gray
Volvo
UNIT PACKAGE 50



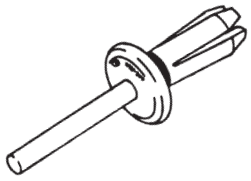
STK. # 108-2291
Replaces: 1-325-285, 1-268-566-5
CLIP-WINDSHIELD UPPER & SIDE MOULDINGS
Front & Rear
Plastic
Volvo '83/
UNIT PACKAGE 25



STK. # 188-6479
Replaces: 1342150
CLIP-WINDSHIELD MOULDING
Lower
Plastic
Volvo 740 & 760 '85/
UNIT PACKAGE 25



STK. # 199-8166
Replaces: 8611997-1
RETAINER-DOOR PANEL & INTERIOR TRIM
Plastic
Hole: M8, Stem Lgth.: 12MM
P.R.: 0.7-2.0MM
Volvo C70, S70, V70 '98/
UNIT PACKAGE 25



STK. # 196-7544
Replaces: 1268176-3
RIVET-DRIVE TYPE BUMPER
Plastic Black
Hole: 6MM, Head: 15.8MM
Stem Length: 14MM Lower
Volvo 740 & 760 Models
UNIT PACKAGE 25

Windshield Antenna Connector Plug



Unit connects the radio lead wire to windshield antennas of Chevrolet and GMC trucks 1973-88. Replaces No. 6270498.

STOCK NO.	Contents	UNIT PKG.
125-3050	10	ONE BOX

"Window Things"

The Easy Way to Install Auto Door Glass





For most Ford, Chrysler and GM products. Virtually eliminates the use of auto glass rivets, snap through or screw type retainers. Not affected by extreme heat or cold. Snap through hole in glass, line up carrier and insert screw. Screws furnished.

STOCK NO.	Contents	UNIT PKG.
108-2390	50 Sets	ONE BOX

New Buyer's Information

Vehicles application data expressed as "Tracer '91/" means the part is used on 1991 models and later.
When the "/" is not present, it means that the part fits a specific year only.



New Auto Glass Clips and Fasteners

Every few months your Somaca sales representative has access to the newest products available in the aftermarket. Purchasing a new aftermarket clip or fastener from Somaca will save you the cost of buying these items at the new car dealer price.

Rearview Mirror Mounting Plates

Wide Selection of Plates for a Variety of Applications



UNIT PKG: ONE BOX			
STOCK NO.	VEHICLE	NAGS #	UNIT PKG.
125-3385	Ford	DW907, 910, 911/Old Style	ONE BOX (10)
125-3386	Ford	DW1206 Break Away	ONE BOX (10)
125-3383	Ford	DW1256, 1099, 1169, 1170 Deep V	ONE BOX (10)
125-3382	Ford, GM, Chrysler, (Pre '87)	DW957, 1008, 952, 1027, 1285	ONE BOX (10)
125-3387	GM	Plastic Adapter	ONE BOX (25)
125-3384	GM	DW1288, 1265, 1191, 1192, 1193, 1299,1168, 1194, 1195	ONE BOX (10)
125-3392	Jeep, Chrysler Products	DW1142, 1179, 952, 1140, 1028 1077, 1057	ONE BOX (10)



UNIT PKG: ONE BOX			
STOCK NO.	VEHICLE	NAGS #	UNIT PKG.
125-3388	Jeep Cherokee	DW1142	ONE BOX (10)
125-3389	Honda	FW703, 705 732	ONE BOX (10)
125-3390	Honda	FW2063	ONE BOX (10)
125-3391	Lexus GS300, 400	FW2065	ONE BOX (10)
125-3393	Mazda 929	FW701	ONE BOX (10)
125-3394	Hyundai	FW798, 775 2024, 2010	ONE BOX (10)
125-3395	Jaguar/XJ	FW807	ONE BOX (10)

LOCTITE Rearview Mirror Adhesive



STOCK NO.	Description	UNIT PKG.
122-3325	.80 oz. Bond & 6 oz. Primer	ONE PACK

Rearview Mirrors



STOCK NO.	Description	UNIT PKG.
102-0000	8" Rearview Mirror	ONE
102-0001	10" Rearview Mirror	ONE
102-0002	12" Rearview Mirror	ONE

LOCTITE Individual Primer and Adhesive Units





STOCK NO.	Description	Size	UNIT PKG.
122-3327	736 Primer	6 fl. oz.	ONE CAN
122-3328	Speed Bonder Adhesive	1.69 fl. oz.	ONE FLASK

LOCTITE Minute Bond Rearview Mirror Adhesive Kit



STOCK NO.	Description	UNIT PKG.
122-3346	Rearview Mirror Adhesive Kit	ONE CARD
122-3347	12 - Rearview Mirror Adhesive Kits	ONE BOX

Auto Glass Items

Universal Metal Door Glass Brackets



Repair any defective door glass attachment with this easy to use regulator bracket. For use on either foreign or domestic door glass applications.

STOCK NO.	Description	UNIT PKG.
108-9594	Auto Glass Bracket	ONE PAIR

Window Wiping Arm Removal Tools



Many new vehicles are bolting the windshield wiper arms on and our wiper puller, Stock No. 201-0540 is the ideal removal tool. For other attached wiper arms, use Stock No. 201-3010. Merely place the "hook" under the arm base, lift and squeeze the wiper arm and tool handle together. Reverse the procedure to install.

STOCK NO.	Description	UNIT PKG.
201-0540	Bolted Wiper Remover	ONE TOOL
201-3010	Standard Wiper Remover	ONE TOOL

"Rope-a-Dope" Insert Tool

- **For Truck Back Slider Installation**
- **Rope Included**



This tool is used to insert the rope past the lip and seats it into the groove of the rubber backlite gasket. Contour-grip handle feeds the rope through the stem as you pull around the gasket.

STOCK NO.	Description	UNIT PKG.
201-0752	Rope Insert Tool	ONE TOOL

Lubriplate FMO 85 AW

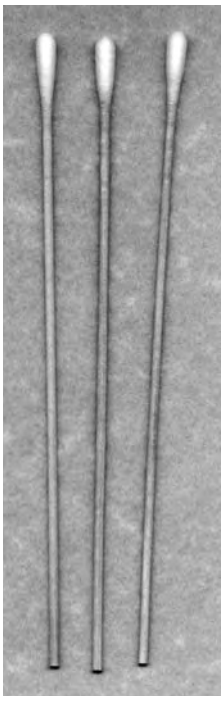
- **Controlled Spray Avoids Contamination of Adhesive Installation Area**
- **Non-Aerosol Spray Pattern is Adjustable**
- **Case Contains 12 Bottles**



Experienced auto glass technicians have traditionally needed a lubricant that would be safer to use than silicone aerosol sprays. The silicone may cause the adhesive bond to fail if the silicone migrates to the adhesive work area during a windshield installation.
Lubriplate FMO 85 is a multi-purpose lubricating/penetrating oil. It does not contain Fluorocarbons or 1,1,1-Trichloroethane. Product is USDA H-1 authorized.

STOCK NO.	Description	Contents	UNIT PKG.
337-3000	Lubriplate	14 fl. oz.	ONE BOTTLE

Pinchweld Primer Sticks



6" Long

- **Helps to Control Lint Contamination on Pinchweld Surface**



Master auto glass technicians realize that pinchweld primer should be applied only to pinchweld nicks that occur during the windshield removal task. The pinchweld primer is never painted on the entire adhesive bed.
The fiber end of the primer stick is specifically designed to leave only a minimum amount of lint on the surface, compared to the traditionally used dauber material.

STOCK NO.	Description	Contents	UNIT PKG.
121-9900	Primer Sticks	100 per Bag	ONE BAG
121-9902	Primer Sticks	1000 per Box	ONE BOX

Automotive Rivet Tools

"Big Daddy"™
Heavy Duty Hand Rivet Gun



The "Big Daddy" model has a 4-13/16" extended nosepiece for use on many new car window regulator applications and on deep grilles. Sets 1/8, 5/32, 3/16 and 1/4 diameter rivets. Use auto rivet nosepiece to install door handle, glass stop and window regulator rivets.

STOCK NO.	Part No.	Description	Weight	UNIT PKG.
213-1700	39035	Rivet Gun	3-1/2 lbs.	ONE GUN

"Big Daddy" and Brute Replacement Parts

3/16"



STOCK NO.	Description	UNIT PKG.
213-1726	Big Daddy 3/16" Nosepiece	ONE
213-1730	Brute 3/16" Nosepiece	ONE

1/4"



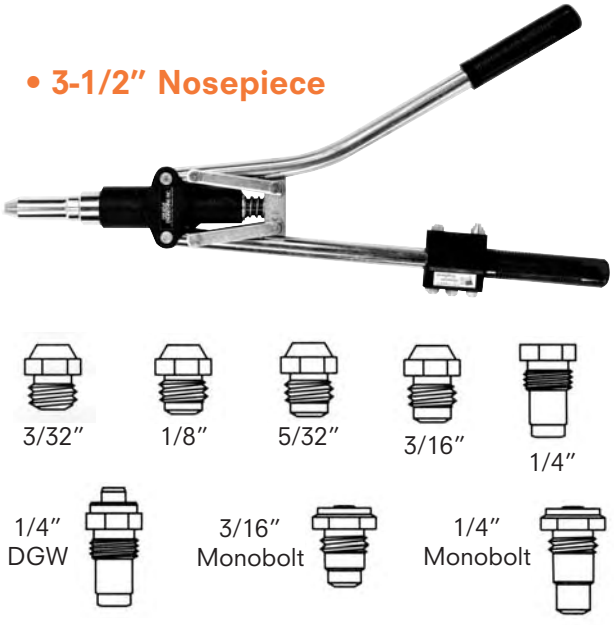
STOCK NO.	Description	UNIT PKG.
213-1727	Big Daddy 1/4" Nosepiece	ONE
213-1732	Brute 1/4" Nosepiece	ONE

1/4" (Auto)



STOCK NO.	Description	UNIT PKG.
213-1728	Big Daddy 1/4" (Auto) Nosepiece	ONE

BRUTE®
Heavy Duty Hand Rivet Gun



The rivet gun is made of metal with shock resistant handles. The handles feature a tremendous pulling power to set large rivets. Five standard nosepieces are conveniently stored in the handle: 3/32, 1/8, 5/32, 3/16 and 1/4. The special 1/4" DGW is furnished with each unit and is used for inserting auto door handle, glass stop, and window regulator rivets. The nosepiece is 3-1/2" long.

STOCK NO.	Part No.	Description	Weight	UNIT PKG.
213-1705	250-BH	Rivet Gun	4 lbs.	ONE GUN

BRUTE Replacement Parts

1/4" (Auto)



STOCK NO.	Description	UNIT PKG.
213-1706	1/4" DGW Auto Rivet Nosepiece	ONE

Gripper Jaw



STOCK NO.	Description	UNIT PKG.
213-1709	Gripper Jaw Set for Tools with A in Serial No. (3 Pc. Jaw Set)	ONE SET

Automotive Rivet Tools

BRUTE® Medium Duty Hand Rivet Gun and Rivet Gun Kit

- 4 Interchangeable Nosepieces
- Mandrel Ejector Spring
- Wide Assortment of Rivets



Four interchangeable nosepieces come with the Brute and are conveniently stored "piggy back" in the handle. All rivet diameters are accommodated: 3/32", 1/8", 5/32", and 3/16". Fits all manufacturer's metal rivets.

Kit Includes: Rivet gun, 200 assorted rivets, and a durable plastic carrying case.

STOCK NO.	Description	UNIT PKG.
213-1902	Brute Rivet Gun (Only)	ONE GUN
213-1900	Brute Rivet Kit	ONE KIT

marson

Plastic Rivet Setter Kit



Kit Includes:
Plastic rivet setting tool and 4 boxes of plastic rivets:
- 5mm (grip 1-1/8 - .236)
- 5mm (.236 - .394)
- 6mm (.157 - .236)
- 6.3mm (.157 - .394)



The tool delivers an extra long stroke needed to set plastic rivets, plus all steel construction and full size handle for easy operation.

STOCK NO.	Description	UNIT PKG.
213-4801	Plastic Rivet Setter	ONE KIT

Twistable Head Rivet Tool



This unique rivet tool has a twistable head that rotates 90°. It makes it possible to install rivets in "problem areas." Use tool with 3/32, 5/32 and 3/16 rivets. The handle locks for easy storage.

STOCK NO.	Description	UNIT PKG.
200-1097	Twistable Head Rivet Tool	ONE TOOL

Threaded Insert Setting Tool



Tool provides an excellent method for providing permanent threads in thin material. The tool can be used in soft material which inherently offers little thread strength. Installed from one side. Rivet nuts are perfect for use in metal, fiberglass, and rigid plastic previously too thin for tapped threads. It provides a neat appearance. Once in place, the internal threads are ready for a screw or bolt.

Kit Includes: Insert setting tool, 62 assorted aluminum thread inserts - 6-32, 8-32, 10-24, 10-32, 1/4-20, 5/16-18 and 3/8-16, mandrel and nosepiece wrench, instructions and plastic case.

STOCK NO.	Description	UNIT PKG.
213-4810	Threaded Insert Setting Tool	ONE KIT

Automotive Specialty Rivets

Ford Cowl Vent Grill Retaining Rivet

Ford Aerostar 86/



UNIT PKG: ONE BOX of 25. Black Nylon Material.

STOCK NO.	Body Dia.	Grip Range	Flange Dia.	UNIT PKG.
108-2322	11/64	1/4-13/32	5/16 x 19/32	ONE BOX

Ford Windshield Side Rail Rivet

For T-Birds and Cougars 89/



UNIT PKG: ONE BOX of 50.
Black Aluminum. Steel Mandrel.

STOCK NO.	Body Dia.	Grip Range	Flange Dia.	UNIT PKG.
189-6631	3.175mm	.063-.125"	9.525mm	ONE BOX

Chrysler Glass Stop/ Roller Rivet

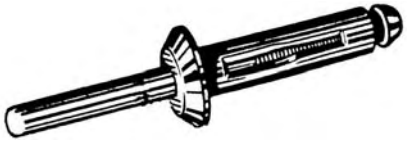
Not Supplied by O.E.M.



UNIT PKG: ONE BOX of 25.
Aluminum Rivet with Aluminum Mandrel

STOCK NO.	Body Dia.	Grip Range	Flange Dia.	UNIT PKG.
190-6792	4.763mm	.501-.625"	15.875mm	ONE BOX

GM General Purpose Rivet



UNIT PKG: ONE BOX of 25. Black Nylon Material

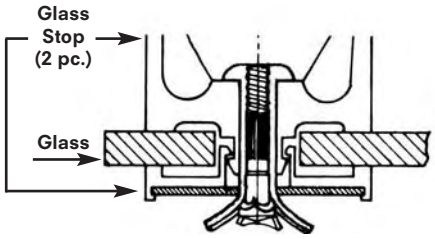
STOCK NO.	Body Dia.	Grip Range	Flange Dia.	UNIT PKG.
108-2354	3/16	1/16-5/32	11/32	ONE BOX

Glass Stop, 1/4" Regulator, and Door Handle Rivets

These blind rivets are used to attach the nylon glass stops to both the glass and regulator; to attach the window regulator mechanism to the door or body panel; and to attach the latch to the door panel.

Glass Stop Rivet



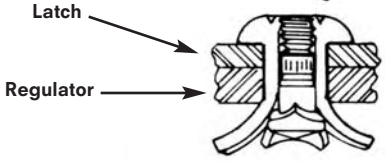


Aluminum Rivet Material with Steel Mandrel

STOCK NO.	Body Dia.	Grip Range	Quantity	UNIT PKG.
118-1001	.2500	.520-.620	100	ONE BOX
118-1003	.2500	.520-.620	50	ONE BOX

Window Regulator Rivet



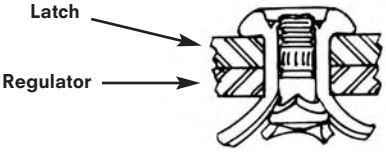


UNIT PKG: ONE BOX
Aluminum Rivet Material with Steel Mandrel

STOCK NO.	Body Dia.	Grip Range	Flange Dia.	Quan.
118-1000	.2500	.032-.140	.500	100
118-1004	.2500	.032-.140	.500	50

Door Handle Rivet





Aluminum Rivet Material with Steel Mandrel

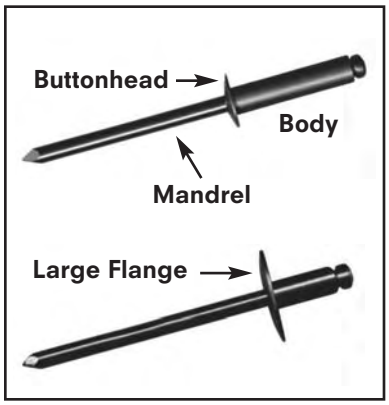
STOCK NO.	Body Dia.	Grip Range	Quantity	UNIT PKG.
118-1005	.2500	.090-.115	50	ONE BOX
189-6662	.2500	.110-.177	50	ONE BOX
118-1002	.2500	.090-.115	100	ONE BOX

Blind Rivets

Blind Rivet Applications

• Auto Glass • Heat and Air Conditioning
• Automotive Repair • Electrical and Lighting • Building Specialties
• Signs and Displays • Aircraft and Boats • Recreational Vehicles

Blind rivets cut labor costs and save time during auto glass installation. They are able to join thin gauge, similar or dissimilar types of materials, providing vibration free, tamper-proof fastening.
Blind rivets are especially useful for fastening where there is no access to the opposite side. Neat appearance, and no surface marring or distortion. Excellent replacements for screws.



Features and Benefits of Various Head Styles

Buttonhead
A low profile head diameter twice the rivet body diameter, providing adequate bearing surface for nearly all applications.
Open-end buttonhead rivets offer the broadest selection of sizes available.

Large Flange
Provides greater bearing surface for fastening soft and brittle facing materials and oversize facing holes. They work well with soft materials, where the increased flange diameter protects the integrity of the application.

Aluminum Rivet Material with Aluminum Mandrel

STOCK NO.	Painted	Head Style	Body Diameter	Grip	Quantity	UNIT PKG.
118-2001		Button	.1250	.063 - .125	500	ONE BOX
118-2017		Button	.1250	.126 - .187	100	ONE BOX
118-2002		Button	.1250	.188 - .250	500	ONE BOX
118-2610		Large Flange	.1875	.501 - .625	250	ONE BOX
118-2612		Large Flange	.1875	.626 - .750	250	ONE BOX
118-2009	Black	Button	.1250	.188 - .250	500	ONE BOX
118-2045		Button	.1250	.251 - .312	500	ONE BOX
118-2004		Button	.1562	.188 - .250	500	ONE BOX
118-2022		Button	.1875	.062 - .150	50	ONE BOX
118-2012		Button	.1562	.251 - .375	50	ONE BOX
118-2058		Button	.1562	.376 - .500	500	ONE BOX
118-2018		Button	.1875	.126 - .250	50	ONE BOX
118-3845		Button	.1875	.313 - .375	100	ONE BOX
118-2023		Button	.1562	.062 - .150	50	ONE BOX
118-2020		Large Flange	.1875	.376 - .500	25	ONE BOX
118-2019		Button	.1875	.376 - .500	250	ONE BOX
118-2021	Black	Button	.1250	.063 - .125	500	ONE BOX
118-3839		Button	.1875	.501 - .625	500	ONE BOX

Aluminum Rivet Material with Steel Mandrel

STOCK NO.	Head Style	Body Diameter	Grip	Quantity	UNIT PKG.
118-2005	Button	.1250	.063 - .125	500	ONE BOX
118-2006	Button	.1250	.126 - .187	500	ONE BOX
118-2007	Button	.1250	.188 - .250	500	ONE BOX
118-2008	Button	.1250	.313 - .375	500	ONE BOX
118-2010	Button	.1250	.375 - .500	100	ONE BOX
118-2011	Button	.1562	.188 - .250	500	ONE BOX
118-2015	Button	.1562	.251 - .375	50	ONE BOX
118-2013	Button	.1875	.126 - .250	250	ONE BOX
118-2014	Button	.1875	.313 - .375	250	ONE BOX
118-2016	Button	.1875	.375 - .500	1000	ONE BOX

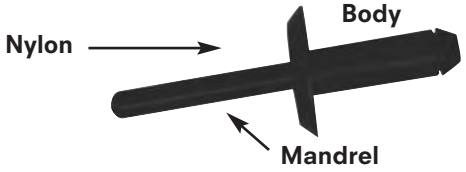
Stainless Rivet Material with Stainless Mandrel

STOCK NO.	Head Style	Body Diameter	Grip	Quantity	UNIT PKG.
118-2107	Button	.1250	.188 - .250	500	ONE BOX
118-2148	Button	.1250	.376 - .500	500	ONE BOX

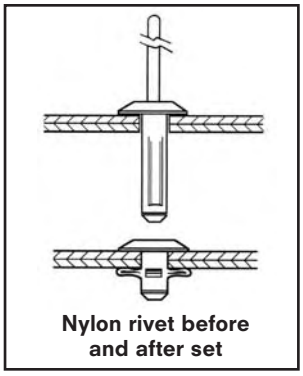
Nylon Rivets & Rivet Nuts

Nylon Rivets

Nylon Rivets are used by domestic auto manufacturers for both original equipment and replacement parts. Nylon rivets are ideal for non-conductive and non-corrosive environments. They fasten plastic-to-plastic, plastic-to-metal, and plastic-to-fiberglass. As they set, three legs form to securely lock the components in place and prevent pullouts.



- **Precision-molded, all-nylon**
- **Secure lock prevents pull-out**
- **Fasten plastic-to-plastic, plastic-to-metal or plastic-to-fiberglass**



Nylon rivet before and after set

Nylon Rivet Material with Plastic Mandrel
UNIT PKG: ONE BOX of 100

STOCK NO.	Body Dia.	Grip	UNIT PKG.
119-5648	.1260	.236 - .413	ONE BOX
119-5649	.1970	.059 - .177	ONE BOX
119-5644	.1970	.118 - .177	ONE BOX
119-5803	.1970	.118 - .236	ONE BOX
119-5804	.1970	.236 - .394	ONE BOX
119-5805	.2500	.157 - .236	ONE BOX
119-5647	.2500	.157 - .394	ONE BOX
119-5650	.2600	.098 - .197	ONE BOX

Rivet Nuts

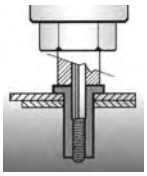


Cross Section View

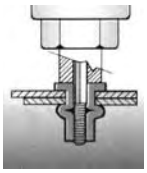
Rivet nuts are used in a wide variety of applications and are designed to provide a very efficient method of placing permanent threads in thin material. Rivet nuts are installed from one side and are perfect for use in metal, fiberglass, and rigid plastic previously too thin for tapped threads. Rivet nuts provide a neat appearance and once in place the internal threads are ready for a screw or bolt. The flat head design provides the most bearing surface for higher torque applications. The large flange extends above the material in which it is installed and provides a built-in space.

4 Easy Steps for Installation

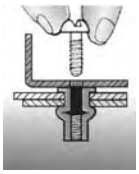
1. Drill hole to correct diameter, thread fastener onto tool mandrel and insert into hole.



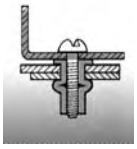
2. Actuate tool to properly set fastener into material.



3. Complete your fastening operation with a bolt or screw with the proper thread.



4. The positive riveting action of both Klik Rivet-Nuts and Klik Poly-Nuts provide consistent firm fastening. Push-out and shake-loose are virtually eliminated.



Aluminum Rivet Nuts

STOCK NO.	Type	Body Dia.	Grip	Quantity	UNIT PKG.
119-5652	Rivnut 6-32	.1890	.010 - .075	100	ONE BOX
119-5651	Rivnut 8-32	.221	.075 - .120	50	ONE BOX
119-5653	Rivnut 8-32	.2210	.010 - .075	100	ONE BOX
119-5654	Rivnut 10-24	.2500	.010 - .080	100	ONE BOX
119-5655	Rivnut 10-32	.2500	.010 - .080	100	ONE BOX
119-5656	Rivnut 10-24	.2500	.080 - .130	50	ONE BOX
119-5657	Rivnut 10-32	.2500	.080 - .130	50	ONE BOX
119-5658	Rivnut 1/4-20	.3320	.020 - .080	50	ONE BOX
119-5659	Rivnut 1/4-20	.3320	.080 - .140	40	ONE BOX
119-5660	Rivnut 1/4-20	.3320	.140 - .200	40	ONE BOX
119-5661	Rivnut 5/16-18	.4130	.030 - .125	25	ONE BOX
119-5662	Rivnut 5/16-18	.4130	.125 - .200	25	ONE BOX
119-5663	Rivnut 3/8-16	.4900	.030 - .115	25	ONE BOX
119-5664	Rivnut 3/8-16	.4900	.115 - .200	20	ONE BOX

Clip & Guide Removal Tools

Clip-Zip® Fastener Remover



Eases removal of body door trim moulding and bumper cover clips. Works great on removing hood insulating fasteners and truing wire stays. Squeeze the handles and fasteners pop out without damage to panel or trim moulding.

STOCK NO.	Length	UNIT PKG.
201-1326	8-3/4"	ONE

Window Guide Removal Pliers





Twist and Pry



Window Guide Pops Open



Squeeze to Snap Together

Window guide remover pliers give you a better chance of saving the old window guides, and help you put them back on the new glass.

STOCK NO.	Description	UNIT PKG.
200-0685	Window Guide Removal Pliers	ONE

Cowl Clip Removal Tool





Twist Knurled Head and Screw Grips Plastic Screw



Squeeze Handles and Screw Is Pulled Out



Common Cowling Fastener

Small, sharp screw penentrates into the plastic screw head and pulls it out. Works quick and simple.

STOCK NO.	Description	UNIT PKG.
200-0819	Cowl Clip Removal Tool	ONE

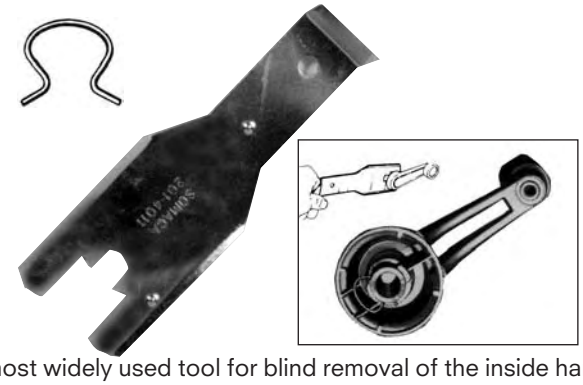
E Z Popper



Prevents rivets from spinning when being drilled out of broken door glass. Tool wedges between the plastic washers to keep the rivets steady. Can also be used to pry apart the plastic washers after they are drilled.

STOCK NO.	Description	UNIT PKG.
200-0522	E Z Popper	ONE

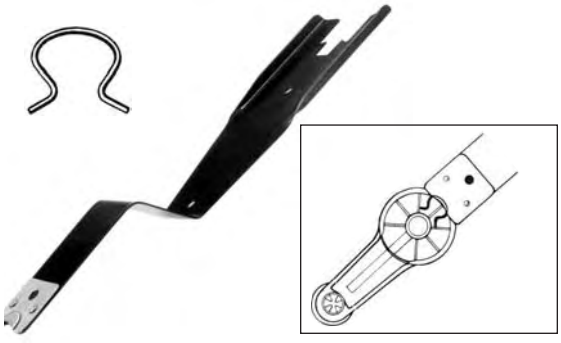
Door Handle Spring Clip Tool



The most widely used tool for blind removal of the inside handles. Simple alignment with shaft of the handle spring will locate the clip for instant removal. Tool compresses door handle spring far enough so that the handle can be removed.

STOCK NO.	Description	UNIT PKG.
201-4011	Door Handle Spring Clip Tool	ONE

Door Handle Spring Clip Tool
Dual Purpose



Removes and installs inside door handles and window crank clips on GM, Ford and other cars using spring clips. Grooved end firmly holds clips for installation. Flared sides prevent the metal from damaging the door panel.

STOCK NO.	Description	UNIT PKG.
201-4035	Clip Removal/Installer Tool	ONE

Clip & Moulding Release Tools

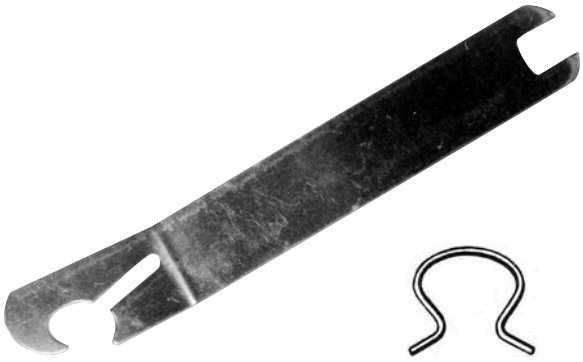
Window and Door Clip Remover



For Ford, GM and most common "C" type clips. Flared sides prevent the metal from damaging door panel. Unique back end firmly holds the clip for easy installation of the "C" clips back into the handle.

STOCK NO.	Description	UNIT PKG.
200-0749	Window/Door Clip Remover	ONE

Door Handle Spring Clip Tool



One end of the tool pushes spring clip out of late style GM door/window handles. The other end is for older style Ford handles. Merely insert tool in bottom or handle side and push up. Lock clip will spring out easily.

STOCK NO.	Description	UNIT PKG.
201-4009	Door Handle Spring Clip Tool	ONE

Universal Window Moulding Release Tool

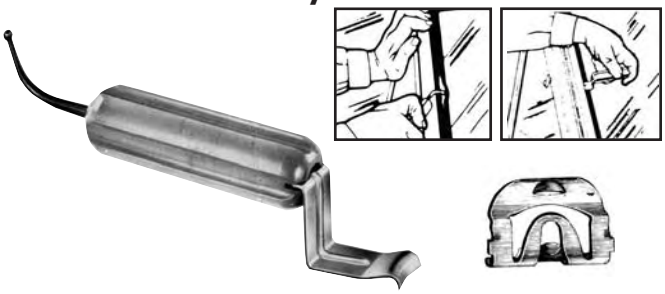


Instantly lift clips and release reveal moulding on windshields and backlite installations. Works in either direction, so there is no need to turn it end for end or change tools. Right or left handed operation. Heat treated and extremely wear resistant. Wide throat lays flat on the glass and will not twist when lifting clips from moulding.

STOCK NO.	Description	UNIT PKG.
201-1061	Universal (Right or Left)	ONE

Dual-Purpose Window Moulding Release Tool

For Chrysler Cars



One end spreads zipper type rubber gasket, and the other removes standard Chrysler moulding clips. Tool has a plastic grooved Sure-Grip Handle.

STOCK NO.	Description	UNIT PKG.
201-1063	Gasket Spreader/Clip Removal Tool	ONE

Double End Window Moulding Release Tool

For GM, Ford and Chrysler Cars



Straight Blades

Use to locate and remove clips on GM, Ford and Chrysler cars. Place the tool's jaw flat against the glass, find the clip, and roll it out with the remover's tip, while keeping the tool's jaw flat to the glass.

STOCK NO.	Description	UNIT PKG.
201-1064	Universal (Right and Left)	ONE

Double End Window Moulding Release Tool



Straight Blade

Removes reveal moulding clips. Right and left hand operation. One piece quality steel with plastic dipped handles. Flange acts as guide. Hook ends are slightly rolled to engage clips for removal.

STOCK NO.	Description	UNIT PKG.
201-1113	Universal (Right and Left)	ONE

****Always wear protective eye glasses or goggles when using moulding clip removal tools, sealant cut-out knives, and windshield chisels and scrapers.**

Hook Tools

Medium Duty Insert Tools



Invaluable tools speed up locking and installation of windshields and back glass weatherstrip rubber over the pinchweld. Also use as a cotter key and snap ring remover. Available with a 1"pigtail or 1-1/2" straight tip.

STOCK NO.	Tip Length	Tip Design	UNIT PKG.
201-1054	1"	Pig Tail	ONE
201-1178	1-1/2"	Straight	ONE

Heavy Duty Insert Tool



A heavy duty tool designed for installing windshield and back glass rubber. Has a 7/8" long, 90° tip.

STOCK NO.	Tip Length	UNIT PKG.
201-1177	7/8"	ONE

Heavy Duty Insert Tool



Curved tip tool is extremely popular because of its many automotive uses. Eases the installation of windshield rubber over the pinchweld in body openings. Also used to remove body clips and mouldings, as a spring puller, cotter pin extractor and radiator hose remover.

STOCK NO.	Tip Length	UNIT PKG.
201-1047	1-5/8"	ONE

Hook and Pick Set



Set has four different configurations to help you get under and pry up the smallest object. Straight pick also works great when you are trying to align small holes.

STOCK NO.	Description	UNIT PKG.
200-0923	Hook and Pick Set	ONE

Double Bend Hook Tool



Hardened steel tools have a distinctive curved end which reaches over the pinchweld and easily grabs the rubber lip.

STOCK NO.	Length	UNIT PKG.
200-0753	4-1/2" Shank	ONE
200-0895	7-1/2" Shank	ONE

Rubber Gasket Cleaner



This tool's blade is sharpened on the end and both sides to clean glass and old sealant out of the gasket in one pulling motion. Unique design keeps your hands clear of the glass.

STOCK NO.	Description	UNIT PKG.
200-0751	Rubber Gasket Cleaner	ONE

Weatherstrip Closing Tool



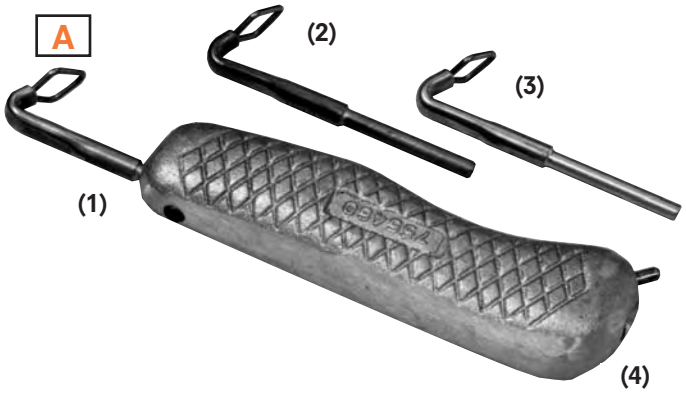
Speeds the closing of self-sealing rubber. Roller rides along gasket edge to reduce drag.

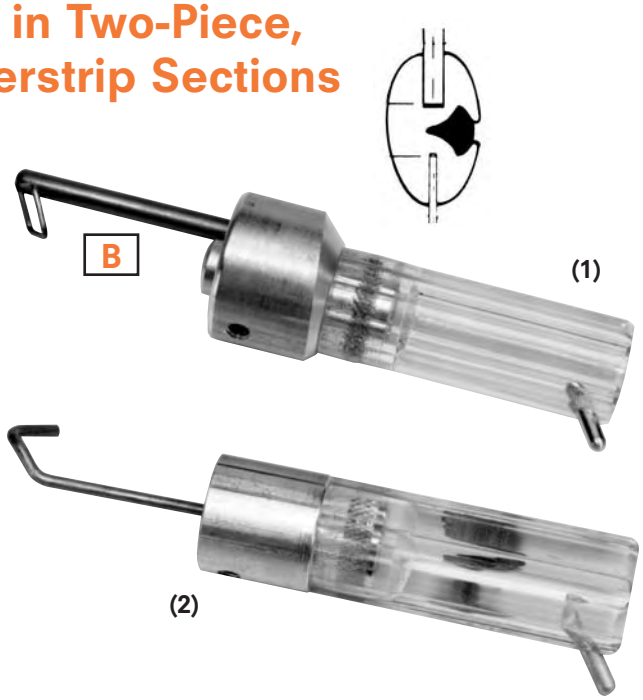
STOCK NO.	Description	UNIT PKG.
201-1041	Closing Tool	ONE

****Always wear protective eye glasses or goggles when using moulding clip removal tools, sealant cut-out knives, and windshield chisels and scrapers.**

Glass Insert Tools

Tools for Installing Glass in Two-Piece, Self-Sealing Rubber Weatherstrip Sections





A. CHRYSLER-BOEING Insert Tool

This locking strip insert tool is used for installing round insert strips as used in automotive, aeronautical and marine applications. It has a reinforced eye bend and shank for added strength and durability. The metal pistol-style handle provides the user with a secure and comfortable grip.

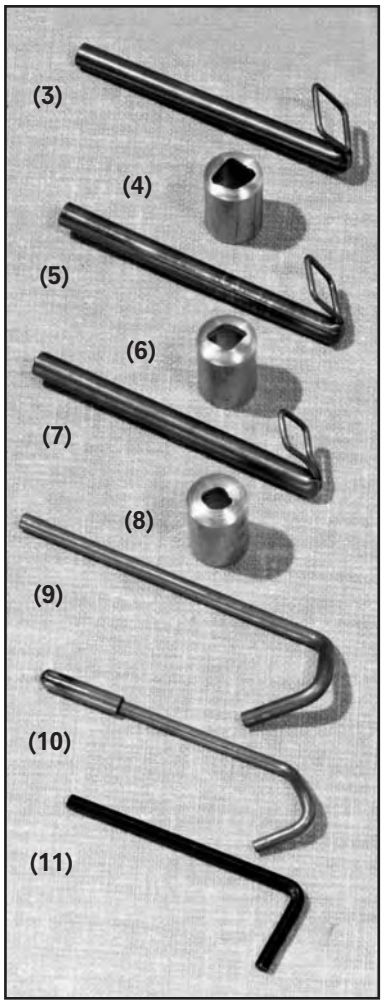
STOCK NO.		Description	UNIT PKG.
201-1640	(1)	Tool with 7/16" Eye Inserter	ONE
		REPLACEMENT PARTS	
201-1641	(2)	7/16" Eye Inserter	ONE
201-1642	(3)	3/8" Eye Inserter	ONE
201-1645	(4)	Pistol Handle Only	ONE

B. SOMACA 11 Piece Insert Kit

There are two simple steps to install rear window glass in vehicular cabs, coaches, trailers and boats.

1. Insert one of the spreader hooks into the solid channel spreader handle. Tighten set screw with allen wrench. Use the channel spreader to open the glass channel of the weatherstrip, allowing the glass to seat into position.
2. Insert a collet into the aluminum front of the hollow insert handle and tighten set screw. Attach inserter eye, tighten set screw, feed the locking strip through the handle, the collet and the eye inserter.

STOCK NO.		Description	UNIT PKG.
201-1021	(1-11)	Complete Kit	ONE
		INSTALLATION KIT INCLUDES:	
STOCK NO.		**Description**	**UNIT PKG.**
201-1022	(1)	Hollow Inserter Handle	ONE
201-1023	(2)	Channel Spreader Handle	ONE
201-1024	(3)	7/16" Eye Inserter	ONE
201-1025	(4)	7/16" Collet	ONE
201-1026	(5)	3/8" Eye Inserter	ONE
201-1027	(6)	3/8" Collet	ONE
201-1028	(7)	5/16" Eye Inserter	ONE
201-1029	(8)	5/16" Collet	ONE
201-1030	(9)	Large Channel Spreader Hook	ONE
201-1031	(10)	Small Channel Spreader Hook	ONE
201-1034	(11)	Allen Wrench	ONE

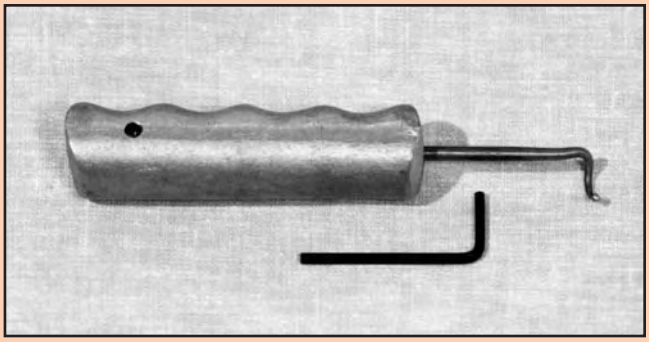


Glass Insert Tools

Somaca "Pig-Tail" Locking Kits

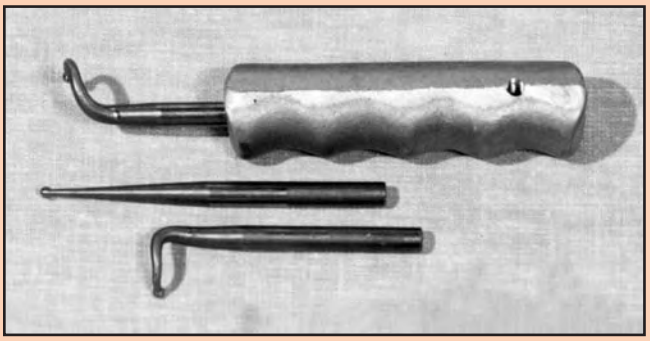
"Pig-Tail" locking tools are used for installing self-locking one-piece rubber gaskets in automotive and curtainwall building construction. The "sure-grip" aluminum handle has a provision for bit insertion at both ends and Allen screws.

Regular Duty Tool - 3/16" Shank



STOCK NO.	Description	UNIT PKG.
201-1036	Pistol Handle (3/16" Hole)	ONE
201-1035	3/16" Right Hand Pig Tail	ONE
201-1034	Allen Wrench	ONE
201-1456	Complete Kit (One of Each Above)	ONE

Heavy Duty Tool - 5/16" Shank



STOCK NO.	Description	UNIT PKG.
230-4001	Pistol Handle (5/16" Hole)	ONE
230-4002	5/16" Straight Bit	ONE
230-4004	5/16" Left Hand Pig Tail	ONE
230-4005	5/16" Right Hand Pig Tail	ONE
201-1034	Allen Wrench	ONE
230-4007	Complete Kit (One of Each Above)	ONE

Auto Glass Setting Sections

Dense Rubber for 1/8" Glass

Height . . . . . **5/16"**
Width . . . . . **7/32"**
Inside Base . . . . . **1/8"**
Weight . . . . . **2 lbs.**

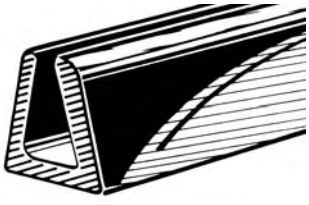


A general purpose, very light setting channel for setting double strength glass.

STOCK NO.	Length	UNIT PKG.
101-3107	50' (15.24m)	ONE ROLL

Dense Rubber for 1/4" Glass

Height . . . . . **9/16"**
Width . . . . . **7/16"**
Inside Base . . . . . **1/4"**
Weight . . . . . **5 lbs.**

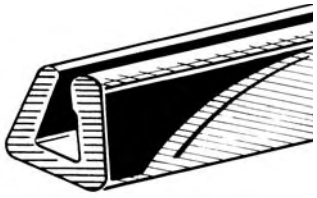


Used when a deep rabbet is desired.

STOCK NO.	Length	UNIT PKG.
101-3111	50' (15.24m)	ONE ROLL

Dense Rubber for 1/4" Glass

Height . . . . . **1/2"**
Width . . . . . **1/2"**
Inside Base . . . . . **1/4"**
Weight . . . . . **5 lbs.**



Used for setting back glass and other stationary installations.

STOCK NO.	Length	UNIT PKG.
101-3112	50' (15.24m)	ONE ROLL

Dense Rubber for 1/4" Glass

For Older Model Cars

Inside Base . . . . . **1/2"**

Rear window glass setting channel and weatherstrip. All Chrysler products - 3/4" x 3/4".



STOCK NO.	Length	UNIT PKG.
101-3103	50' (15.24m)	ONE ROLL

Eyelet Tools

Insert Eyes Shown Actual Size



NOTE
This locking strip tool fits Somaca Locking strip:
STOCK NO. 101-2253

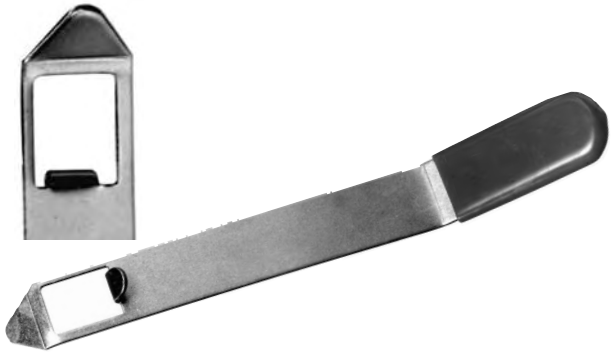
Tool is designed for use on large 7/16" wide locking strip on White Freightliner windshields.

STOCK NO.	Position	UNIT PKG.
201-1127	Straight	ONE



A locking strip tool for Chevette windshield and backlites. Also used on Pontiac T1000.

STOCK NO.	Position	UNIT PKG.
201-1188	Straight	ONE



Designed primarily for inserting the wider shaped weather seal lock strip on GMC, International trucks and other U.S. made trucks. Used on many cars and trucks.

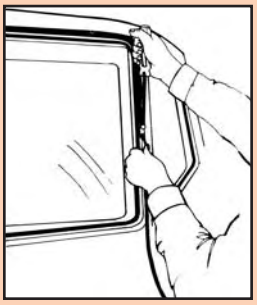
STOCK NO.	Position	UNIT PKG.
201-1185	Straight	ONE



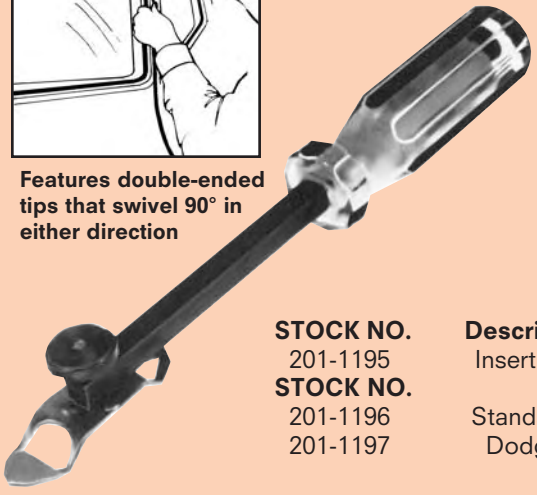
NOTE
This locking strip tool fits Somaca Locking strip:
STOCK NO. 101-2252, 101-2253, 101-2254

A general purpose locking strip tool. Eye threads locking strip as heel presses it into the channel. Fits strips to 7/16".

STOCK NO.	Position	UNIT PKG.
201-1018	Straight	ONE



Features double-ended tips that swivel 90° in either direction



Lisle® Truck Windshield Locking Strip Tool

Tool comes with two double-ended tips that fit most applications. Tip swivels 90° in either direction to work where most tools won't. Select the proper tip and work it into the rubber moulding. Thread locking strip into tool eyelet and slowly work it around windshield while feeding locking strip into eyelet.

STOCK NO.	Description	Position	UNIT PKG.
201-1195	Insert Tool	Straight	ONE

STOCK NO.	Description	UNIT PKG.
201-1196	Standard Replacement Tip	ONE
201-1197	Dodge Replacement Tip	ONE



Locking Strip Insert Tools

Insert Eyes Shown Actual Size



A special tool for inserting locking strips on Dodge vans.

STOCK NO.	Position	UNIT PKG.
201-1130	Straight	ONE



Used for door panels on General Motors cars and Chevy trucks.



STOCK NO.	Position	UNIT PKG.
201-1093	Straight	ONE



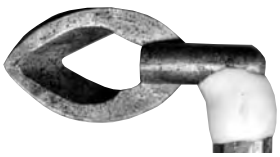
This tool is fabricated specifically to insert the chrome capped (Mylar) locking strips in Dodge and Plymouth vans and Omni-Horizon cars. It can be used to insert or remove locking strips.



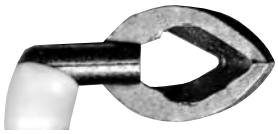
STOCK NO.	Position	UNIT PKG.
201-1160	Straight	ONE



Three Position Locking Strip Insert Tools







Widely used tools are designed for large locking strips. Primarily for trucks, buses and off-the-road equipment.

NOTE: This locking strip tool fits Somaca Locking strips:
STOCK NO. 101-2252, 101-2253, 101-2254

STOCK NO.	Position	UNIT PKG.
201-1048	Left Hand	ONE
201-1046	Straight	ONE
201-1049	Right Hand	ONE

Locking Strip Insert Tools



201-1039



201-1070



201-1170



Used for inserting locking strip into weatherstrip of General Motors, Chrysler and many import cars.
NOTE: This locking strip fits Somaca Locking Strip
STOCK NO. 101-2252

STOCK NO.	Position	UNIT PKG.
201-1039	Straight	ONE

For Ford Capri, Chevrolet, GMC and International trucks.

STOCK NO.	Position	UNIT PKG.
201-1070	Straight	ONE

Locking strip insert for windshield and stationary window. Dodge vans 1983.

STOCK NO.	Position	UNIT PKG.
201-1170	Straight	ONE

Headliner and Panel Clip Tools

Channel Headlining Installation Tool



Headliner tool helps you quickly tuck fabric behind the roof trim

Easily stuff headlining in the channel above doors, and upholstery trim edges into hard to get places with our headlining tool. Edge won't damage material and works around corners. Spring steel blade riveted in wood handle.

STOCK NO.	Length	Blade Width	UNIT PKG.
201-6003	7-1/4"	1-1/2"	ONE

2 in 1 Headliner Moulding Clip Removal Tool

Removes Single or Double Prong Clips!



Remove single or double prong headliner clips without breaking them. The tool pays for itself in the savings of buying expensive and sometimes hard to find, replacement clips. Made of durable tempered stainless steel with a vinyl grip.

STOCK NO.	Length	UNIT PKG.
201-0501	6-1/4"	ONE

Headliner Tucking Tool



When headliners need to be retucked underneath the garnish mouldings, trim panels, weatherstripping and windshield gaskets, this is the tool. Simply place the tool between insert area and give a slight pushing motion.

STOCK NO.	Description	UNIT PKG.
200-1142	Headliner Tucking Tool	ONE

Door Panel Clip Removing Tool



Pulls out plastic trim fasteners on GM cars, but works as well on Ford, Chrysler, and other car's metal fasteners. Bevelled front for easy entry, and machined gripping slot carefully deburred to minimize damage to the trim pad. Made of heat treated, high carbon steel.

STOCK NO.	Length	UNIT PKG.
201-7217	8-1/4"	ONE

Door Panel Clip Removing Tool



Quickly removes door panel clips without unnecessary damage. Insert the tool under the edge of the door upholstery panel and insert into the fastener or clip as far as possible. Then pry up. A rugged tool with a large, sure grip handle.

STOCK NO.	Length	UNIT PKG.
201-6005	10"	ONE

Door Panel Nail Removing Tool



Tool has a heavy duty lip with the shaft set in a comfortable plastic handle. Extra long bevelled prongs ease the removal of inside panels and upholstery nails and fasteners.

STOCK NO.	Length	UNIT PKG.
201-6001	10-1/4"	ONE

Clip Removal Tool



Sharp tips and a sharpened "V" groove slip smoothly under the clip head for removal.

STOCK NO.	Length	UNIT PKG.
200-0657	7-1/2"	ONE

Mirror Bracket Wrenches



STOCK NO.	Description	UNIT PKG.
201-1260	Tool with 2 Hex Tips: 3/32" & 5/64"	ONE
201-1265	Tool with 2 Torx Tips: No. 15 & No. 20	ONE
201-1262	Tool with #1 Phillips & No. 15 Torx Tip	ONE

Mirror Bracket Wrench Combo



Sturdy plastic handle provides a solid grip when removing or replacing rearview mirrors. Removable tips have bits on each end: one has 2 torx bits, sizes T-15 and T-20; the other has 2 hex bits, sizes 3/32" and 5/64". With Pocket clip.

STOCK NO.	Length	UNIT PKG.
213-1242	6"	ONE

Mirror Bracket Wrench



Place at the bottom windshield edge where the bracket attaches, and push down gently to remove bracket.

STOCK NO.	UNIT PKG.
200-6020	ONE

RearView Mirror Installer





Most rearview mirrors are easy to remove but impossible to reattach. Now, you don't have to force mirror on and risk breaking it. Just set the upper jaw against the rearview mirror, put the nylon block against the rearview mirror mounting bracket and squeeze the handles.

STOCK NO.	UNIT PKG.
200-0309	ONE

The Pumper™ Windshield Bag



Instead of risking a neck injury by pushing the windshield out with your head after you've cut the urethane, use The Pumper. This inflatable bag will push out the windshield by exerting pressure in excess of 200 lbs.

STOCK NO.	Description	UNIT PKG.
201-1490	Inflatable Bag	ONE

The Expander





In closed position, place against pinchweld and hook over glass. Squeeze handle to push glass out.

To use, simply cut the top and sides from the inside and insert The Expander between the pinchweld and top edge of the glass. Squeeze the handle and watch the glass pull away from the pinchweld leaving room to cut the bottom edge.

STOCK NO.	UNIT PKG.
200-0544	ONE

Ford Rear ViewMirror Release Tool



For Fords with a spring release instead of a removal screw on the rearview mirror bracket. Blade slides between the rearview mirror and bracket. Tap gently, push up and the mirror is dislodged.

STOCK NO.	Length	UNIT PKG.
201-1263	6"	ONE

GM RearView Mirror Release Tool



Removes late model GM rearview mirrors. Push tab under clip lip that holds the mirror to the windshield bracket and pry up gently. With your free hand, pull mirror off the bracket. All steel tool with rounded handle and tab.

STOCK NO.	Length	UNIT PKG.
201-1264	4-3/8"	ONE

Moulding Installer/Nut Removal Tools

Roll On Channel Moulding Installer





Install channel mouldings in seconds. To use, start a 1" section of the moulding. Pull down against the moulding with roller and pull the moulding out at a 45° angle to the glass. Then push or pull the tool forward to seat the moulding.

STOCK NO.	UNIT PKG.
200-1146	ONE

Window Retaining Nut Removal Tools



Tool 201-1087 is for use on Chrysler, Ford and GM cars using bolt-on sash methods. Tool 193-7174 is used on Saturn vehicles. Both tools can be used as a windshield wiper nut remover. Extra long handles for greater leverage.

STOCK NO.	For Use On	Length	UNIT PKG.
201-1087	Chrysler, Ford, GM	6"	ONE
193-7174	Saturn	6"	ONE

Window Retaining Nut Removal Tool



Removes and replaces the window retaining nut on American cars using bolt-on sash methods. Pins are 3/16" dia. x 1/8" long. Use with 1/4" ratchet (not included).

STOCK NO.	Diameter	UNIT PKG.
201-1830	1-5/8"	ONE

Retaining Nut Removal Socket



Fits most Ford, GM and Chrysler cars. A high quality tool made of steel with steel dowel pins that will firmly hold to the retaining nut. **3/8" ratchet not included.**

STOCK NO.	Description	UNIT PKG.
200-0596	Socket Only	ONE

Window Retaining Nut Removal Tool



This spanner will fit 95% of all the retaining nuts on the market. Sturdy steel block has five different sizes and pin configurations. It will fit on a 1/4" socket wrench with an extension.

STOCK NO.	UNIT PKG.
200-0623	ONE

Window Retaining Nut Removal Tool



Removes and replaces window retaining nut on American cars using bolt-on sash methods. Pins 3/16" dia. x 1/4" long are hardened and milled.

STOCK NO.	Length	UNIT PKG.
201-4082	6-3/8"	ONE

Torches and Cylinders

Trigger Start Brazing Torch Kit

MAPP™ Gas Burns Hotter Than Propane for Welding, Brazing and Soldering





This multipurpose torch has a trigger Piezo ceramic igniter that provides thousands of easy torch lights. It has a solid brass regulator valve with adjustable control knob for precision flame control in any position. Stainless steel burn tube can be rotated 360° for the right work angle. The unit brazes, solders, sweats, heats and melts.

Torch Kit includes: 16 oz. brazing MAPP fuel cylinder, torch head No. 213-1111, and instructions.

STOCK NO.	Description	UNIT PKG.
213-1110	Trigger Start Torch & MAPP Cylinder	ONE KIT

Trigger Start Brazing Torch

Torch works with high temp MAPP brazing fuel and will also burn propane.



STOCK NO.	Description	UNIT PKG.
213-1111	Trigger Start Brazing Torch	ONE TORCH

Replacement Cylinders



213-1101 Yellow



213-1102 Blue

STOCK NO.	Description	Cylinder Color	UNIT PKG.
213-1101	16 oz. MAPP Gas	Yellow	ONE CYLINDER
213-1102	14.1 oz. Propane Gas	Blue	ONE CYLINDER

Economy Propane Torch Kit

• Solid Brass • Pencil Flame





This portable, lightweight, easy to use torch kit solders, sweats, heats and melts. Can be used to sweat fittings and joints, to loosen rusted bolts, repair gutters and tools, and for removing floor tile and paint. Torch features a fully adjustable fuel knob that provides precise flame control for jobs of any size. Solid brass construction for years of heavy duty use.

Torch Kit includes: 14.1 oz. blue propane fuel cylinder 213-1102, solid brass pencil tip burner 213-5112, and instructions.

STOCK NO.	Description	UNIT PKG.
213-1103	Pencil Tip Burner & Propane Cylinder	ONE KIT

Pencil Tip Burner

A quality solid brass torch for heavy duty jobs. Burner produces a pencil flame for more detailed work.



STOCK NO.	Description	UNIT PKG.
213-5112	Pencil Tip Burner	ONE BURNER

SOLDER-IT™ Micro-Jet Butane Torch

For Auto Glass Windshield Repair

• **Temps to 2400°F**

Torch quickly clears moisture from cracks. Can accelerate curing of polymer. Pocket size. Includes refuelable cell. Butane refills are easily found in local stores.



STOCK NO.	Description	UNIT PKG.
200-2400	Micro-Jet Butane Torch	ONE TORCH

Solderless Terminal Kit

160 Piece Non-Insulated Kit





Kit Includes most common non-insulated terminals and connectors



C11210
Wire 22-18, Stud 10



C11206
Wire 22-18, Stud 5-6



C11310
Wire 16-14, Stud 10



C18301
Wire 16-14



C11306
Wire 16-14, Stud 5-6



C13306
Wire 16-14, Stud 4-6



C13310
Wire 16-14, Stud 10



C18302
Wire 16-14



C17302
Wire 26-14



C17202
Wire 22-18

An assorted selection of 16 each of the 10 most used non-insulated terminal styles packed in a sturdy, compartmented plastic box with molded tray and see-thru cover.

SIZE: 6-1/2" LONG x 5-1/2" WIDE x 1-5/16" DEEP

STOCK NO.	Description	UNIT PKG.
123-1398	160 Piece Kit	ONE KIT

3M Scotchlok™ Auto-Tap Connectors

A heavy-duty, self-stripping connector that is designed for 14, 16 or 18 gauge wire connected to 10 or 12 gauge automotive wire. Use on equipment where tap, in-line and pigtail splices are required. UL listed for 300 volt tap splice.



STOCK NO.	Color	Contents	UNIT PKG.
123-1395	Brown	50	ONE BOX

This self-stripping connector is designed for use on 14, 16 or 18 gauge wire connected to 10 or 12 gauge automotive wiring. Capable of making tap, in-line and pigtail splices. It is UL listed for 300 volt tap splices.

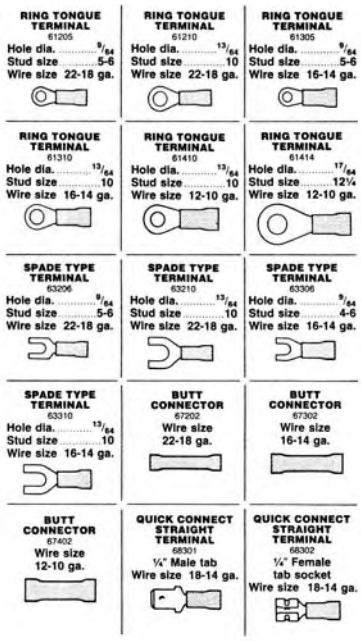


STOCK NO.	Color	Contents	UNIT PKG.
123-1396	Blue	50	ONE BOX

Solderless Terminal Kit

158 Piece Insulated Kit





This kit contains 15 different single grip insulated terminal styles for a wide variety of general purpose applications. Clear plastic compartmented box. Assortment includes ring, spade, male tab, female tab and butt connectors.

STOCK NO.	Description	UNIT PKG.
123-1394	158 Piece Kit	ONE KIT

Multipurpose Crimp Tool



Tool strips and cuts wire, crimps terminals and shears bolts. Combo crimping die for insulated/non-insulated solderless terminals. 6 popular electrical bolts can be cut with the bolt shears - 4-40, 5-40, 6-32, 8-32, 10-24, and 10-32. Stripping dies for 22 to 10 gauge cable. Deep etched markings.

STOCK NO.	Length	UNIT PKG.
123-1397	8-1/8"	ONE TOOL

7" Nylon Cable Ties



Tying wires is easy with nylon cable ties. The one-piece design is easy on the user's hands. Simply insert the tapered tail into the tie head. Uniform serrations along the length of the tie permit easy pull-through, and eliminate slippage.

STOCK NO.	Length	Contents	UNIT PKG.
211-1829	7"	100	ONE PKG.

Electrical Specialty Tools

Computer Memory Savers



Automotive computer memory savers are designed to maintain the memory of the onboard vehicle computer (CCU) when the battery is disconnected. Use of these tools when changing or interrupting the power source prevents loss of certain driveability codes, keyless entry codes, digital radio setting, cellular phone settings and other memory related functions. Also prevents loss of radio function on anti-theft radio systems. Stock No. 213-0294 plugs into standard 120VAC outlet, and No. 213-0295 uses a 9V alkaline battery.

STOCK NO.	Description	UNIT PKG.
213-0294	120VAC Tool	ONE TOOL
213-0295	9V Tool	ONE TOOL

Low Voltage Circuit Tester



A low voltage device for checking live 6-24V, AC or DC circuits. Tests for shorts on automotive and truck electrical systems, motor field coils, radio and low voltage circuits, ground circuits of all lamps, wiring, fuses, etc. Bulb in handle glows when circuit is complete.

STOCK NO.	Description	UNIT PKG.
213-7129	Circuit Tester	ONE TOOL

Heat Sink Forceps



Hold Small Parts for Soldering, Testing and Cooling

Self-clamping, stainless steel pincers hold small parts and components, leaving your hands free for other tasks. They feature finely serrated curved or straight jaws, a box joint pivot and a 3-position ratchet lock. Never use on live circuits.

STOCK NO.	Description	Length	UNIT PKG.
341-7109	Curved Tip	5-1/2"	ONE PAIR
341-7108	Straight	5-1/2"	ONE PAIR

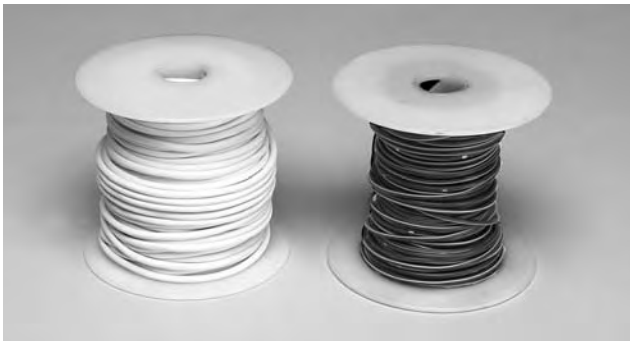
Circuit Continuity Tester



This tool safety tests circuits with the power off. An ideal tool for testing fuses, grounds, shorts, contacts, diodes and open circuits. Includes 36" long cable. Tester uses 1 AA battery (not included) and a #49 bulb.

STOCK NO.	Description	UNIT PKG.
213-2647	Circuit Continuity Tester	ONE TOOL

Primary Automotive Wire



STOCK NO.	Gauge	Color	Length	UNIT PKG.
211-1812	12	Red	100'	ONE ROLL
211-1816	16	White	100'	ONE ROLL
211-1818	18	Black	100'	ONE ROLL
211-1819	14	Green	100'	ONE ROLL

Jumper Cables



"No tangle" twin jumper cables are all copper (10GA), 43 strand, 12' long. Rated at 15 amps, cables fit both top and side battery terminals.

STOCK NO.	Description	Length	UNIT PKG.
211-1012	Jumper Cables	12'	ONE PAIR

Vacuum Cleaners

FEIN Mini-Turbo Portable 6 Gallon Wet/Dry Vac





Features:
- **1-1/4" diameter hose fits inside door panels and other inaccessible areas**
- **Accessory package suited for auto glass professionals**
- **Lightweight at 17-3/4 lbs.**
- **Quiet - 63 decibels**
- **Small but powerful, with 90 inches of static water lift**
- **16' long cord and locking hose**

The Fein Mini-Turbo uses a unique dual fan motor, which prevents electrical damage and extends life. The cloth bladder utilizes the capacity of the vacuum tank and allows for maximum filtration.

Accessories Included: Long 10-1/2' x 1-1/4" hose, two hose extenders, elbow adapter with suction reducer, wide floor nozzle, smooth bottom attachment, rubber lip attachment, carpet brush attachment, crevice tool, upholstery tool, and cloth bladder. Can special order HEPA filter.

STOCK NO.	Tank Size	Wet Capacity	Dry Capacity	UNIT PKG.
209-5514	6 gal.	5.3 gal.	6 gal.	ONE UNIT

shop•vac® All-Purpose Wet/Dry Vacs

6 Gallon Vac

3.0 PEAK HP



A compact version of the 16 gallon unit. Because of its size, this small but powerful vac is extremely portable. The narrow 1-1/4" diameter hose comes in handy when working in tight places.

Accessories Included: 7' x 1-1/4" hose with two 1-1/4" extension wands, 10" combination wet/dry nozzle, 10" squeegee, foam filter sleeve, reusable dry filter, and push-in caster system.

STOCK NO.	Tank Size	Wet Capacity	Dry Capacity	H.P. (Peak)	UNIT PKG.
211-7781	6 gal.	5 gal.	6 gal.	3.0	ONE UNIT

ACCESSORIES FOR 16 GALLON AND 6 GALLON UNITS (HOSES FIT BOTH UNITS)

STOCK NO.	Description	UNIT PKG.
211-9013	Vacuum Hose - 8' x 2-1/2"	ONE HOSE
211-9056	Vacuum Hose - 12' x 1-1/2"	ONE HOSE
211-9030	Vacuum Cartridge Filter	ONE FILTER
211-9052	Vacuum Cloth Filter	ONE FILTER
211-9034	Prefilter for No. 211-9030	ONE FILTER

16 Gallon Commercial Vac

Picks Up:
- **Glass Fragments**
- **Sawdust**
- **Dirt and Debris**
- **Wood Chips**
- **Standing Water**
- **Grass and Leaves**



4.5 PEAK HP

This all-purpose industrial utility vac has revolutionized heavy duty cleaning. Its 4.5 HP motor provides more cleaning power than standard units. Rugged tanks are made of rustproof, dent resistant plastic. An automatic float shuts off and stops wet pickup when full; no danger of overflow. It also features a push-in caster system for easy mobility, and convenient ergonomic carry handles.

Accessories Included:
7' x 2-1/2" hose with extension nozzle, 10" squeegee, two extension wands, 10" combination utility nozzle, foam filter sleeve, reusable dry filter, and push-in caster system.

DISCONTINUED

Brushes

Scrub Brush



Heavily filled with white tampico fiber staple set in wax tumbled, hardwood block. Block measures 8-1/4"long x 3" wide. Trim length 1-1/4".

STOCK NO.	Description	UNIT PKG.
213-1095	Scrub Brush	ONE

Putty Scrub Brush



Excellent for cleaning lead glass panels after puttying. Made on a squared end hardwood block with tampico fibers.

STOCK NO.	Size	Trim	UNIT PKG.
213-1096	4-3/4" x 1-1/2"	5/8"	ONE

Small Parts Cleaning Brush



Useful for cleaning metal shavings, glass chips, dirt, grease, etc. from parts and machines. Also good for cleaning window and door channels, and auto pinchwelds. A handy shop brush for those hard to reach spots.

STOCK NO.	Texture	Lgth.	Bristle Lgth.	UNIT PKG.
213-1073	Polypropylene	11-1/2"	2-3/4"	ONE

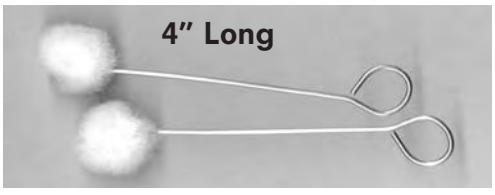
Swab Brush



A 3/8" diameter brush used to apply fluids, pastes, or grease to small surfaces, joints or channel openings. Black horsehair set in tin ferule.

STOCK NO.	Overall Lgth.	Trim Lgth.	Contents	UNIT PKG.
230-4066	5-3/4"	7/8"	12	ONE BAG
230-4067	5-3/4"	7/8"	144	ONE BAG
230-4068	5-3/4"	1-1/8"	144	ONE BAG

Daubers



STOCK NO.	Description	Contents	UNIT PKG.
121-9908	Glass Prep Daubers	100	ONE BAG

Corn Straw Whisk Broom



Excellent quality, medium priced whisk broom. Made of fine, select cornstraw with nickel ball and ring cap.

STOCK NO.	Texture	Overall Length	UNIT PKG.
213-1009	Corn Straw	10-1/2"	ONE BROOM

Palmyra Fiber Floor Brush



For wet or dry sweeping under rough conditions. Staple set in clear lacquered, hardwood threaded block.

STOCK NO.	Description	UNIT PKG.
213-1070	24" Length, 4" Trim (Comes with Handle Brace)	ONE BRUSH
213-1099	5' Threaded Handle	ONE HANDLE

Dual Texture Floor Brush



Unique brush sweeps both rough and fine dirt at the same time. The coarse brown, plastic center rows sweep the rough dirt, while the silver border, flagged tip plastic rows sweep fine dust. For smooth or rough floors. Set in a hardwood block with two threaded holes.

STOCK NO.	Description	UNIT PKG.
213-1071	30" Length, 3" Trim (Comes with Handle Brace)	ONE BRUSH
213-1099	5' Threaded Handle	ONE HANDLE

Bench Brush



Two popular brushes are available. One features tampico fiber and the other a mixture of horsehair and tampico. Both brush fibers are stable set in a hardwood block. Brush face length is 9" with an overall length of 13-1/2".

STOCK NO.	Description	UNIT PKG.
213-1093	Tampico Fiber - 2" Trim	ONE BRUSH
213-1094	Horsehair Blend - 2-1/2" Trim	ONE BRUSH

Ultrasonic Leak Detector



Ensure customer satisfaction and reduce callbacks with our Ultrasonic Leak Detector. By listening to ultrasonic noises, this valuable tool can find leaks in urethane. Perfect for window seals, auto trunks, door seals and sunroofs. Audible and visual indicators. Includes two 9V batteries and carrying case.

STOCK NO.	Description	UNIT PKG.
213-1155	Leak Detector	ONE

Penetrating Oil with Graphite and Flake Graphite Gun





Penetrating Oil is a convenient method of freeing hard-to-reach parts "frozen" by corrosion or rust. It combines penetrating oil and lubricating graphite in aerosol form.
The puffer gun contains a dry graphite, highly refined and finely powdered. It provides superior dry lubrication to locks, doors and windows.

STOCK NO.	Size	Case Quantity	UNIT PKG.
120-1346	12.5 oz. Aerosol Can	12	ONE CAN

STOCK NO.	Description	UNIT PKG.
120-0735	50 Gram Graphite Puffer Gun	ONE
120-0734	1 lb. Graphite Flake Shaker	ONE

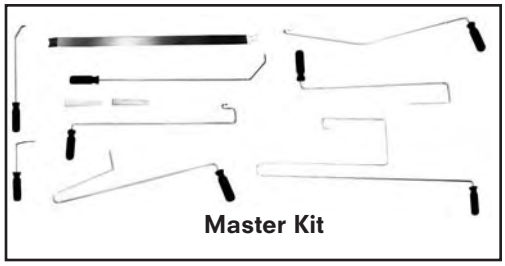
Wheel Step



Simply unfold the wheel step hook over the tire and you instantly gain 12" to 20" depending on the wheel size. The wheel step supports up to 200 lbs. and is 22" wide. Folds flat for easy storage.

STOCK NO.	Description	UNIT PKG.
200-1965	Wheel Step	ONE

Door Lockout Tools



Master Kit

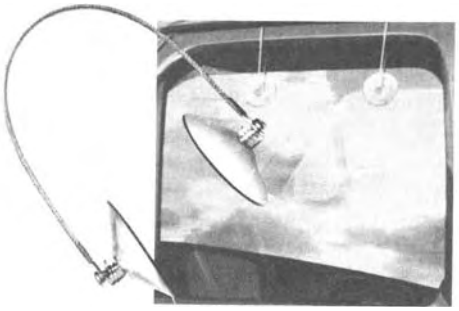


Master Kit contains a short and long vent wing tool, horizontal rod tool, wide lock button lift tool, universal tool, master key and wooden wedges, vertical rod tool, lock knob lift tool, and a side lock tool. Comes with an instruction booklet and heavy duty vinyl pouch. Kit will unlock over 95% of all cars.
The "Houdini" unlocks almost any car in minutes. It unfolds and locks into position, ready for use. Sections rotate to close.

STOCK NO.	Description	UNIT PKG.
201-2700	Master Lockout Kit	ONE KIT
201-4055	Houdini Folding Tool	ONE TOOL

Side Window Holder

Holds Door Glass While Working On Window Regulators



Works on all cars and trucks with a top door frame. Loop cable over door frame and attach suction cups to each side of the glass. Window glass is securely held above the door.

STOCK NO.	Description	UNIT PKG.
201-4039	Side Window Holder	ONE

Work Lights, Light Cords and Gloves

Halide Shop Work Light



- **Budget Priced**
- **Energy Saving**

Provides a concentrated light source while saving money and energy. With more light output than six 40 watt florescent lights, it saves 65 watts per hour, or 520 watts per 8 hour shift. Light has a self-contained transformer-ignitor. 110V.

STOCK NO.	Description	Weight	UNIT PKG.
230-4355	Halide Light	15 lbs.	ONE
230-4351	175 Watt Replacement Bulb		ONE

Coated Cotton Work Gloves



- **Grainy Finish**

A grainy, vinyl coated cotton work glove that is both flexible and durable. Gloves provide a firm grip on metal, wood or glass. The cotton material "breathes" so the hands feel more comfortable. Washable, they remain pliable after drying, and are not waterproof.

Case Quantity: 12 pair

STOCK NO.	Description	UNIT PKG.
240-4105	Open Wrist/Grain Coated	ONE PAIR

All-Cotton Work Gloves



Cotton work gloves have a double knit wrist with more than 35 large black plastic dots per inch. The dots completely cover the palm and fingers for increased gripping power.

Case Quantity: 12 pair

STOCK NO.	Description	UNIT PKG.
240-4118	Knit Wrist/Dot Coated Palm	ONE PAIR

3-Conductor Round Extension Cords

- **For Outdoor/Indoor Use**
- **Thermo-Vinyl Cord**
- **U-Blade Ground**

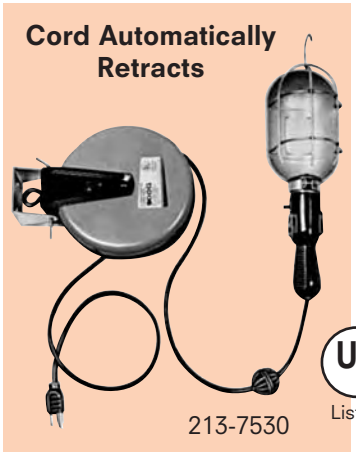
UL Listed



These heavy duty cords resist oil, grease, abrasion and ozone. They are designed for long life and dependable service. Stranded copper wire stays completely flexible in cold weather. Molded on connectors.

STOCK NO.	Size	Length	Outlets	Color	UNIT PKG.
213-7549	16/3	50'	3	Orange	ONE
213-7546	16/3	50'	1	Orange	ONE
213-7547	16/3	100'	1	Orange	ONE

Deluxe Drop Lites



UL Listed



These deluxe drop lites deliver light where you need it. Your choice of retractable cord or loose. Handles have side outlet and switch.

STOCK NO.	Gauge	Amps	Cord Length	UNIT PKG.
213-7530	18	7	50'	ONE
213-7550	16	13	25'	ONE

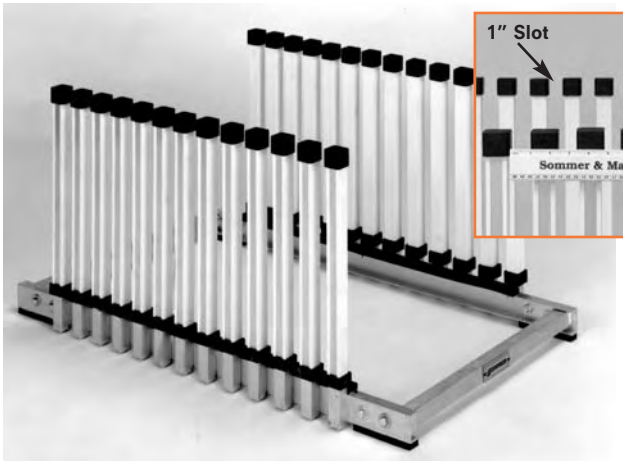
Windshield Racks

RHINO RACKS™

Windshield Racks with Extra Wide Spacing

- Extra wide 1″ spacing for easy top or side loading of oversized or dramatically curved windshields
- 3/4″ standard spacing
- Hi-visibility white plastic posts help you guide windshields into rack
- Heavy duty rubber caps and cushioned strips protect glass during transit
- Aluminum K.D. frame dimensions:
  10 and 12 lite - 27-1/2″ W x 40-1/2″ L x 21-1/2″ H
  5 lite - 27-1/2″ W x 20-1/4″ L x 21-1/2″ H
- Fits any van or truck
- K.D. racks ship U.P.S. for freight savings

NOTE: 10 & 12 lite rack spacing is evenly divided, *5 Lite spacing is 3/4″.



UNIT PKG: ONE REGULAR RHINO RACK

STOCK NO.	Capacity	Weight
210-1472	12 Lites	41 lbs.
210-1481	10 Lites	37 lbs.
210-1480	5 Lites	27 lbs.

UNIT PKG: ONE REPLACEMENT RUBBER STRIP

STOCK NO.	Fits
210-1012	12 Lite Rack
210-1010	10 Lite Rack
210-0035	5 Lite Rack



Two Options! Choose the Locking Rhino Rack or Customize Your Basic Rack!

Buy Extra Rotating Locks with Our Basic Rack.

Make Some Sections Locking by Changing Caps.

UNIT PKG: ONE LOCKING RHINO RACK

STOCK NO.	Capacity	Weight
210-1474	12 Lites	41 lbs.
210-1484	10 Lites	37 lbs.
210-1485	5 Lites*	27 lbs.

LOCKING CAPS - SOLD EACH
STOCK NO. 210-1470



burco redi rack

Windshield Rack

- **Finger Lock Mechanism**
- **Each Position Measures 3″ on Center**
- **Steel Construction Black Color**



STOCK NO.	Description	UNIT PKG.
210-1499	5 Lite w/15″ High Masts 18″L x 30″W x 18″H	ONE STAND
210-1498	9 Lite w/15″ High Masts 30″L x 30″W x 18″H	ONE STAND
210-0924	9 Lite w/24″ High Masts 30″L x 30″W x 27″H	ONE STAND
210-1497	14 Lite w/15″ High Masts 45″L x 30″W x 18″H	ONE STAND

SPECIAL ORDERS ARE WELCOME

SOMACA

Windshield Stand

- **Adjustable Work Height**
- **Non-Slip Feet and Work Surface**
- **Strong PVC Work Surface**

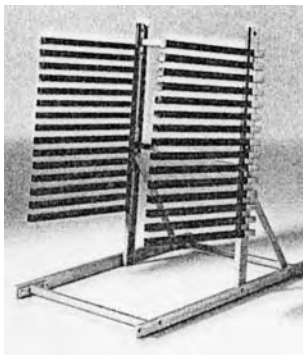
Sturdy 1-1/4″ dia. steel tubing windshield stand is lightweight enough to fold for transport. Height of stand is adjustable by removing the wing nuts holding the 18″ long chain, and selecting a link in the chain that is a comfortable working height. Reinforced PVC work surface is about 27″ wide.



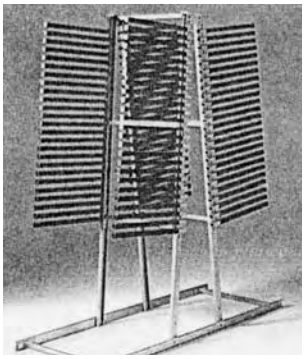
STOCK NO.	Description	UNIT PKG.
201-1098	Folding Windshield Stand	ONE STAND

Windshield Storage Racks and Carts

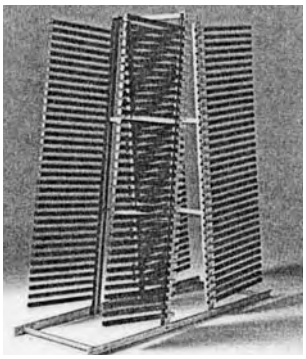
Weathers Vertical & Wall Mount Windshield Storage Racks



Single Sided Vertical Rack
Stock No. 210-1475 Shown



Two Sided Vertical Rack
Stock No. 210-1483 Shown



Two Sided Vertical Rack
Stock No. 210-1478 Shown



Wall Mount Rack
Stock No. 210-1477 Shown

Vertical Windshield Storage Racks

STOCK NO.	Description	UNIT PKG.
210-1475	15 Lite - Single Sided 42" Base x 27"W x 42"H - 87 lbs.	ONE RACK
210-1489	25 Lite - Single Sided 41" Base x 27"W x 80"H - 180 lbs.	ONE RACK
210-1492	36 Lite - Single Sided 41" Base x 27"W x 80"H - 209 lbs.	ONE RACK
210-1494	45 Lite - Single Sided 45" Base x 27"W x 95"H - 232 lbs.	ONE RACK
210-1483	50 Lite - Two Sided 72" Base x 27"W x 82"H - 300 lbs.	ONE RACK
210-1478	90 Lite - Two Sided 72" Base x 27"W x 95"H - 367 lbs.	ONE RACK

A Variety of Solutions for Your Windshield Storage Problems!

Wall Mounted Storage Racks

STOCK NO.	Description	UNIT PKG.
210-1493	36 Lite - Single Sided with Universal Mounting Kit 7.4'H. Base Width 27". 149 lbs.	ONE RACK
210-1490	36 Lite - Single Sided Mounting Kit for Cinder Block Walls 7.4'H. Base Width 27". 149 lbs.	ONE RACK
210-1477	45 Lite - Single Sided with Universal Mounting Kit 9'H. Base Width 27". 195 lbs.	ONE RACK

Weathers Windshield Carrier



High Profile, Steel Construction

STOCK NO. 210-1482
UNIT PKG: ONE CARRIER
36 lite windshield carrier. High profile with mounting kit for long bed compact. Measures 75.375" long x 50" wide x 41" high. Weight 217 lbs.

Weathers Standard Glass Carts



UNIT PKG: ONE CARRIER
STOCK NO. 210-1495
15 lite Standard Glass Cart. Measures 51" long x 27" wide x 25" high. Weight 75 lbs.
STOCK NO. 210-1476
20 lite Standard Glass Cart. Measures 63" long x 27" wide x 25" high. Weight 93 lbs.
STOCK NO. 210-1491
25 lite Standard Glass Cart. Measures 74" long x 27" wide x 25" high. Weight 113 lbs.

Weathers Ergonomic Glass Carts



Pegs are held upright by sturdy spring clips and pivot downward to enable easy loading and unloading. Walk-in base. Windshields rest 29" above the floor. Toe brakes on swivel casters.

STOCK NO. 210-1496
UNIT PKG: ONE CARRIER
15 lite Ergonomic Glass Cart. Weight 149 lbs.

Windshield Cart and Inspection Stand

Windshield Cart

- **1-1/4" Width Spacing of Posts Provides Capacity for Radically Curved Lites**
- **Slotted Base for Forklift Transport**
- **5" Heavy Duty Casters**
- **Cart Capacity, 3000 lbs.**
- **Shock Absorbing Welded Steel Frame Design**

This super heavy duty rolling windshield cart will take rough handling like you won't believe. Why keep replacing budget priced carts?
The 40" high push handle is ergonomically friendly for workers. Two casters lock for stability while loading lites into delivery vehicles. The other two casters swivel. Huge 5" roller bearing casters are non-marring and urethane coated for years of service. Shipped fully assembled from our Cicero factory via truck.



Dimensions
42"H x 32W x 43"L

STOCK NO.	Description	Weight	UNIT PKG.
210-1419	15 Lite Cart	200 lbs.	ONE

Windshield Inspection Stand

- **Clean Windshields in Highly Illuminated Workspace**
- **Inspect Windshields Before Installation or Shipment**
- **Remove Scratches on a Stable and Secure Work Surface**

If you want to project a professional image in your auto glass operation, no other piece of equipment can match this stand as an image builder!
Super heavy duty, 300 lbs., welded steel stand has all glass contact surfaces covered by rubber or plastic. The white 3/4" back board is illuminated by eight (8) fluorescent bulbs (included). The base of the stand is pre-drilled for floor mounting to provide the safest work environment. The metal grating mid-level shelf has been designed to hold your cleaning supplies and scratch removal tools – all within easy reach.
The stand ships, skid mounted, fully assembled and wrapped in protective film, via truck from Cicero.

Electrical Specifications: 125V/15A/1875W
15 Amp, 125 Volt, Grounded Outlets with 15 Amp Circuit Breaker.



Stand Dimensions
75"H x 32-1/2"W x 97"L
Shipping Skid Dimensions
79"H x 40"W x 105"L

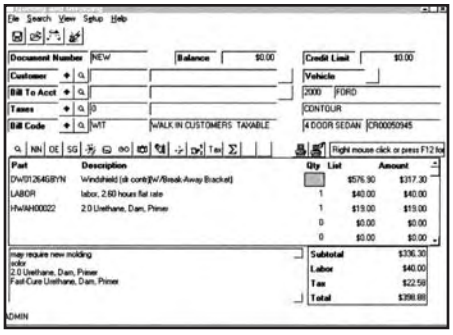
STOCK NO.	Description	Shipping Weight	UNIT PKG.
210-1488	Inspection Stand w/8 bulbs	350 lbs.	ONE

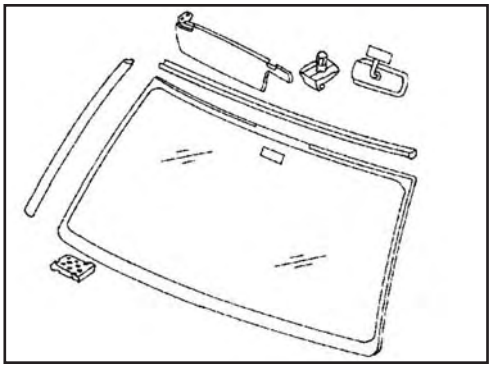
Computer Software

Automotive and Flat Glass Business Management Software

Quest

Quest Software Inc. offers the finest management software available for auto glass and flat glass businesses. The software prints quotes, work orders and invoices. It also allows you to enter in an unlimited number of customers and parts. Security is integrated with the program. EDI software and accounting interfaces are also available.





GLASSquote for Auto Glass

- Fast and accurate vehicle selection and pricing using NAGS
- OEM data with dealer list price and precision parts and pricing
- Graphics of vehicle and glass with ability to print
- Built-in accounts receivable with sales and payment reports available with GLASSquote Plus version.

STOCK NO.	Description	UNIT PKG.
300-1015	GLASSquote Advantage for Windows	ONE
300-1010	GLASSquote Plus for Windows	ONE
300-1022	EDI (electronic billing to insurance companies)	ONE

Software Maintenance and NAGS Updates

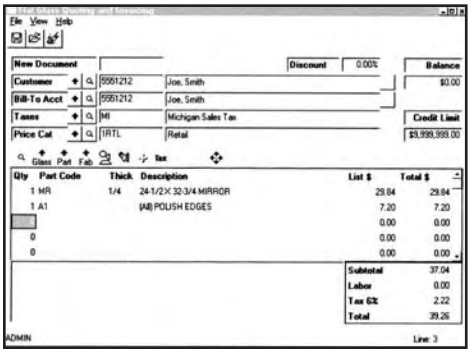
- Includes NAGS, OEM and precision parts pricing
- Graphic of vehicle and exploded view of glass part
- Unlimited technical and user support

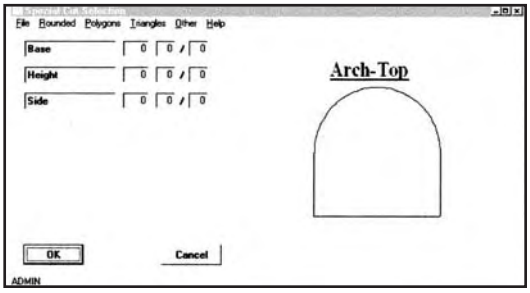
STOCK NO.	Description	UNIT PKG.
300-1062	GLASSquote Advantage Annual NAGS Renewal	ONE
300-1060	GLASSquote Plus Annual Nags Renewal	ONE

FLATglass Software

- Pricing for glass, fabrications, parts and labor
- Unlimited pricing and markup categories
- Pricing can be marked up from your cost
- Labor can be attached to each glass, fabrication or part with ability to price labor by unit of measure
- Built-in accounts receivable with sales and payment records available with FLATglass Plus version

STOCK NO.	Description	UNIT PKG.
300-1016	FLATglass Advantage for Windows	ONE
300-1030	FLATglass Plus for Windows	ONE





Invoices and Statements

STOCK NO.	Description	Quantity	UNIT PKG.
300-1070	3-Part Auto Glass Invoices	1000	ONE BOX
300-1071	4-Part Auto Glass Invoices	700	ONE BOX
300-1090	3-Part Flatglass Invoices	1000	ONE BOX
300-1091	2-Part Statements	1000	ONE BOX

System Requirements: Pentium or Higher Processor

• 1 Gig Hard Drive • 64 Meg of RAM • CD Rom Drive • Windows 95 or Higher

Cleaners and Specialty Aerosols



Cleaners for all surfaces - plastic, glass and fabrics. Special aerosol products, too.

Private Label Glass Cleaner and Silicone Lubricant . . . Hi-Sheen and Somaca Silicone Spray are available with your own private label. Ask your local branch for details.

Somaca Hi-Sheen Glass Cleaner . . . the all-time, hardworking favorite. Cleans practically everything. Leaves glass spotless and sparkling.
Stock No. 337-1100. 19 oz. Sold per Carton of 12 Cans.

Sommertyme Plexiglass Cleaner . . . cleans and protects. For plexiglass, lucite, mirrored acrylic, formica. Anti-static.
Stock No. 337-9000. 15 oz. Sold Each.

Somaca Mirror Glo. . . adds a final professional touch and high polish to installations. Ammonia free - won't attack mirror edges.
Stock No. 336-7500. 19 oz. Sold Each.

POWR BOND Automotive Glass Cleaner . . . specially formulated to be compatible with all urethane systems.
Stock No. 121-1100. 20 oz. Sold per Carton of 12 Cans.

Sprayway Glass Cleaner . . . makes windows and mirrors sparkling clean.
Stock No. 337-1244. 19 oz. Sold per Carton of 12 Cans.

Sprayway Dry Cleaner . . . Works great. Removes urethane, tar, grease and paint from fabrics and vinyl.
Stock No. 337-1732. 20 oz. Sold Each.



AlumaColor Metal Extrusion Touch-Up Paint . . . comes in a wide variety of colors. Perfect for use on aluminum store-front sections, door and window frames. Paint is designed to match anodic architectural finishes.
12 oz. Sold Each. See Page 461 for Selection.

Somaca Mirror Edge Sealant . . . a clear spray coating formulated to seal mirror edges after edging. Helps prevent black edge problems.
Stock No. 336-7400. 10.5 oz. Sold Each.

Excelene Polishing Oil . . . eases glass removal from a dry glaze or rubber moulding in autos and vans.
Stock No. 259-9065. 11 oz. Sold Each.



The Original!

Hi-SHEEN® Glass Cleaner

From the company that earned its reputation by knowing how to clean glass!

Often Imitated - Never Duplicated

Hi-Sheen Glass Cleaner has been faithfully cleaning commercial and residential glass since 1970. It's dependable, no-nonsense aerosol formula is the reason, year after year, Hi-Sheen is always our most popular product!



NO CFC's Ozone Safe!

Environmentally Safe Product!

Having an effective, reliable glass cleaner is just as important today as it was 30 years ago. This industrial strength cleaner is specially formulated to dissolve the toughest problems a professional will face: dirt, fingerprints, grime, grease, salts, saps and smudges.

Hi-Sheen lifts residues from nonporous surfaces. It will not run when applying, or evaporate quickly like many other cleaners on the market. And it won't leave streaks, blurs or rainbows. Hi-Sheen can clean practically everything . . . glass, tile, formica, metal panels, and vinyl, and it has a pure, clean, "perfume-free" scent.



Resale Display Carton

This is a great resale item for glass shops. We are always receiving inquiries from homeowners asking where they can purchase Hi-Sheen in their area. Some of the most popular uses are for cleaning film and soot from glass fireplace panels, and lifting ocean salts from windows. This product is never sold to national home centers, which offers you, the glass shop owner, an exclusive product to sell to your customers.

STOCK NO.	Size	SOLD PER CARTON Contents	Weight	UNIT PKG.
337-1100	19 oz.	12 Cans	22 lbs.	ONE CARTON

Glass Cleaners

Hi-Sheen Pre-Mix Glass Cleaner

A Professional Cleaner for Glass, Acrylics and Tile



Somaca Hi-Sheen Pre-Mix is an economical way to clean glass, porcelain, crystal, tile and fiberglass. Hi-Sheen has a pleasant "spring fresh" scent, and does not streak, leaving glass sparkling. Hi-Sheen is anti-static, and repels dust, dirt, stains and film. A high concentration of special cleansing ingredients make it ideal for the toughest cleaning jobs. The gallon refill has been tested for compatibility with auto glass adhesives like POWR BOND and Sika products.

STOCK NO.	Description	UNIT PKG.
337-1085	Quart of Cleaner in Plastic Sprayer	ONE SPRAYER
337-1086	Gallon Refill	ONE JUG

GLAZERS CHOICE® Glass & More Cleaner





No Ammonia, No Vinegar Formula

Glazers Choice Glass & More Cleaner is a no ammonia, no vinegar formula - safe for silver mirror backings. Clear liquid is streak free.

STOCK NO.	Description	Case	UNIT PKG.
337-1170	32 fl. oz. Bottle	12	ONE BOTTLE
337-1175	5 Gallon Box	1	5 GAL. BOX

GUNTHER Mirror & More Glass Cleaner





Contains No Ammonia or Vinegar

An all-purpose glass cleaner, Mirror & More contains no ammonia or vinegar to harm mirror backing. Non-streaking, environmentally safe formula. Sold in 8 fl. oz. spray bottle or 5 gallon economy box container.

STOCK NO.	Size	Case	UNIT PKG.
337-6999	8 fl. oz.	24	ONE BOTTLE
337-7000	5 gallons	1	5 GAL. BOX

POWR BOND™ Auto Glass Cleaner

No Ammonia, Alcohol or Silicone



Somaca POWR BOND Auto Glass Cleaner is specially formulated for the auto glass industry to be compatible with all urethane systems. (Note: many other glass cleaners may contain chemicals that will not allow urethane to bond to the glass). Its powerful formulation cuts through grime, grease and residues, leaving the glass clean, with a streak-free shine.

SOLD PER CASE OF 12 CANS

STOCK NO.	Size	Contents	Weight	UNIT PKG.
121-1100	19 oz.	12	18.5 lbs.	ONE CARTON

Sprayway® Glass Cleaner



Sprayway makes windows and mirrors sparkling clear. Glass tends to stay cleaner and brighter longer. Dirt, grease, stains and grime are quickly dissolved. Sprayway will not streak or leave a film. Use on windows, glass brick and mirrors. Ideal for cleaning tile, ceramics and vinyl.

SOLD PER CASE OF 12 CANS

STOCK NO.	Size	Contents	Weight	UNIT PKG.
337-1244	19 oz.	12	22 lbs.	ONE CARTON

Glass Cleaning Towels

Glass Cleaning Towels

For Stores, Homes, Shops, Offices, Hotels, Restaurants, and Sport Complexes



Two Slide Out Dispenser Boxes Included

These highly absorbent and tough towels are the most versatile wiping product available to the glass industry. They are soft but strong and can safely clean everything from camera lenses to storm windows to furniture. They are packaged 500 towels per case, with 2 self-dispensing cardboard counter units enclosed. These quality paper towels are lint-free and combine softness, strength and absorbency to successfully fulfill all glass cleaning requirements. Hand wipes are also widely used in the cleaning of ceramic tiles, plastic panels, counters and general surface cleaning.

STOCK NO.	Sheet Size	Case Contents	UNIT PKG.
213-1300	13-1/2" x 17-5/8"	500 Sheets	ONE CASE

Somaca Glass Cleaning Towels



15 Boxes with 125 Towels - 2-Ply

Ideal for cleaning glass, this tough towel's two-ply construction provides superior strength and fast absorption at an economical cost per wipe. Contains 15 boxes per case, with 125 light duty wipes per box - 10-1/4" x 12" size sheets.

STOCK NO.	Sheet Size	Case Contents	UNIT PKG.
213-0003	10-1/4" x 12"	15 Boxes	ONE CASE

M-Tork Plus Glass Wipers



These economical, lint-free towels are made of 100% absorbent cellulose. Tork towels are non-streaking and scratch-free.

STOCK NO.	Description	Case Contents	UNIT PKG.
200-1234	Tork Towels	6 Rolls	ONE CASE

STOCK NO.	Description	UNIT PKG.
200-2071	Tork Towel Dispenser	ONE DISPENSER

Somaca Kleen Wipes Glass Cleaning Towels

3-Ply

Lint-Free Super Absorbency, Incredibly Soft Texture



15 "Pop-Up" Boxes with 70 Towels

Somaca Kleen Wipes light duty disposable towels are perfect for any cleaning requirement, either at the glass shop, factory, corporate office, retail store, marina, farm or home. They are lint-free, amazingly soft, non-abrasive and pliable, yet strong and extremely absorbent. These triple-ply, shred resistant towels are ideal for delicate surfaces. Wipes are sold by the case (1050 towels). Each case contains 15 individual "pop-up" boxes of 70 towels each.

STOCK NO.	Sheet Size	Case Contents	UNIT PKG.
213-1314	15" x 16-3/4"	15 Boxes	ONE CASE

Mirror and Plastic Cleaners

Sommertyme Plexiglass Cleaner

- No Ammonia or Silicones
- No Streaking
- No Clouding
- No Offensive Odor



Somaca Sommertyme is an outstanding product that not only cleans, but protects. It cleans plexiglass, lucite, mirrored acrylic and formica. The special antistatic ingredients repel dust, film and fingerprints. It contains no ammonia or silicones and is safe for all nonporous plastics. Works like Novus 1 (see below).

SOLD PER CAN - 12 CANS PER CARTON

STOCK NO.	Size	UNIT PKG.
337-9000	15 oz.	ONE CAN

"Mirror Glo" Cleaner

- No Ammonia

Leaves Mirrors, Windows and Door Panels Sparkling Clean!



Mirrors really do glow with Somaca Mirror glo. You'll find that Mirror Glo adds that final, professional touch and high polish to all your installation jobs. And, your customers will love it - so much that Mirror Glo will be one of your better resale items.
Mirror Glo is ammonia free and will not attack mirror edges, or contribute to "black edge." It has a pleasing fragrance and resists fogging on bathroom mirrors. Mirror Glo also retards fingerprint build-up.

SOLD PER CARTON

STOCK NO.	Size	Contents	Weight	UNIT PKG.
336-7500	19 oz.	12 Cans	22 lbs.	ONE CARTON

NOVUS Plastic Care Products

These 3 products professionally clean and protect all industrial and household plastics

Novus 1
Plastic Clean and Shine



Use On:
- All Uncoated Plastics
- Fiberglass
- Computers
- Auto Interiors

NOVUS No. 1 gently cleans all plastics without scratching. Leaves a lustrous shine that resists fogging, repels dust, and eliminates static. Protects against smudges and scratching. 8 fl. oz. spray bottle.

STOCK NO.	Size	UNIT PKG.
200-7020	8 fl. oz.	ONE BOTTLE

Novus 2
Fine Scratch Remover



Directions:
- Shake well
- Test small area
- Apply in a circular motion until dry
- Buff with clean cloth

NOVUS No. 2 removes fine scratches, haziness and abrasions from most plastic surfaces. Restores original appearance to faded and discolored plastics. 8 fl. oz. applicator bottle.

STOCK NO.	Size	UNIT PKG.
200-7030	8 fl. oz.	ONE BOTTLE

Novus 3
Heavy Scratch Remover



Directions:
- Read directions carefully
- Use No. 3 with back and forth strokes
- Then apply No. 2

NOVUS No. 3 removes heavy scratches and abrasions from most acrylic surfaces. Contains abrasives. Not for eyeglasses, polycarbonates or coated plastics. Use No. 2 for final finishing. 8 fl. oz. applicator bottle.

STOCK NO.	Size	UNIT PKG.
200-7050	8 fl. oz.	ONE BOTTLE

Purchase Kit of all 3 Products -	STOCK NO.	Description	Contents	UNIT PKG.
	200-7100	Novus 1, Novus 2, and Novus 3	(3) 8 fl. oz. Bottles	ONE KIT

Glass Detergents, Towels and Sprayers

LOW-e Washing Machine Detergent



Specially Formulated Liquid for Glass

- Self-Adjusting pH to Water Conditions
- Delimer to help machine keep free of dirt build-up
- Biodegradeable and approved for use in all drainage septic systems

Somaca "Low-e" is for use with all glass washing machines. One gallon size of super concentrated detergent treats over 1000 gallons of water. Field tested to yield best results of "Low-e" soft coat manufacturing production runs.

Listed on H.B. Fuller "Acceptable List." Not for mirrors.

STOCK NO.	Size	Form	UNIT PKG.
337-9046	One Gallon	Concentrate	ONE BOTTLE
337-9048	55 Gallon	Concentrate	ONE DRUM

Glass-EEZ Glass Cleaning Towels



Lint-Free - 4-Ply Towels
500 Towels with 2 Dispenser Boxes

These high quality paper towels are the most versatile wiping product available to the glass industry. They are lint-free and combine softness, strength and absorbency to successfully fulfill all glass cleaning requirements.

STOCK NO.	Sheet Size	Contents	UNIT PKG.
213-1300	13-1/2" x 17-5/8"	500	ONE CARTON

Lavare Washing Machine Detergent



Specially Formulated Powder for Glass

An outstanding product that leaves glass clean without traces of water spots. Somaca's washing machine detergent combines a controlled foaming action with quick rinsing and water softening benefits.

Listed on H.B. Fuller "Acceptable List."

STOCK NO.	Size	Form	UNIT PKG.
337-9040	40 lbs.	Powder	ONE DRUM
337-9041	100 lbs.	Powder	ONE DRUM

Trigger Sprayers

Measuring Scale Printed on Body



337-1003



337-1032

STOCK NO.	Description	Size	UNIT PKG.
337-1003	Somaca	16 oz.	ONE DISPENSER
337-1032	SprayMaster	32 oz.	ONE DISPENSER

A-MAZ Water Stain Remover

Specific Applications for A-MAZ:

SHOWER DOOR:
- **No Odor Product, Won't Scratch Glass**
- **Use Clean Shield No. 337-9512 for Extended Protection**

ARCHITECTURAL:
- **Remove Sealant and Water Stains from Windows and Art Glass**

AUTO GLASS:
- **Remove Water Spots, Mineral Deposits, and Car Wash Wax Build-Up from Windshields**



A-MAZ removes the toughest stains on glass - water stains, mineral deposits, and sealant stains. It can also be used on all types of bathroom surfaces to remove lime scale, oxidation, and soap scum.

Application Directions:

Use the nylon pad provided with product. Cut off 1" for use as an applicator. A light duty white nylon pad or a clean rag can be used as a substitute.

FOR SHOWER DOORS:
Dampen the 1" cut off of the pad and dip into A-MAZ. Rub the product into the glass using a circular motion. Allow the product about 2 minutes to work, then rub out with the large section of nylon pad. Wipe working area with clean rag or paper towel. (Apply Clean Shield, No. 337-9512 for extended protection).

FOR ARCHITECTURAL APPLICATIONS:
Using a spray bottle, mist the window with water before application. Apply A-MAZ and allow the product to work for 3 to 5 minutes. A white wool felt polish head assembly with drill (Somaca No. 211-7573), may be used to work A-MAZ into the glass. Then wipe working area with a clean rag or paper towel.

STOCK NO.	Size	UNIT PKG.
337-9520	14 oz. Container w/Applicator Pad	ONE

Clean-X™



STEP 1

Shower Cleaner

This unique professional strength, mildly abrasive soft cream cleanser effectively removes calcium, mineral deposits, rust, lime scale, soap scum, grease and stains from glass, ceramics, porcelain and chrome. Cleaner is also excellent for kitchen use too. Read directions and caution section of label before use.

STOCK NO.	Description	UNIT PKG.
337-9511	Shower Cleaner 16 fl. oz.	ONE BOTTLE



STEP 2

Clean Shield

- **Unique White Creamy Viscosity**

The invisible non-stick finish that shields showers, windows, tile, sinks, tubs, counters and appliances against rust, hard water mineral deposits, soap scum, stains and spills. This product seals, polishes and protects against dulling and build up on glass, marble, porcelain, plastics, fiberglass, laminates, chrome, stainless and more.

STOCK NO.	Description	UNIT PKG.
337-9512	Clean Shield 8 fl. oz.	ONE BOTTLE

Metal Prep and Polish



The Original Magic Mix!

For use on aluminum, brass, copper, silver and magnesium. Apply product sparingly and rub lightly. Let dry and then dust off with a cotton cloth.

NOTE: Do not use on plated surfaces like gold, silver or platinum, as thin plating is easily removed. Read safety guidelines on bottle before use.

STOCK NO.	Description	UNIT PKG.
220-1358	Metal Prep - 8 fl. oz.	ONE BOTTLE
220-1359	Metal Polish - 8 fl. oz.	ONE BOTTLE
220-1360	One Bottle of Each Product	ONE KIT

Professional Window Washing Tools

Sleeve-Style Washers



T-Bar Frame w/Cover



Porcupine Scrubber Cover

These popular washers are built to last with an extra heavy duty synthetic pile, double-twist fabric and double seams at the sewn ends. Velcro fasteners secure cover to lightweight T-bar frame. Can be used with the REA-C-H extension pole. The Porcupine heavy duty washer cover has interwoven flexible scrubber bristles that are tough on dirt, yet soft on glass. Easily slips on and off T-bar frame.

STOCK NO.	Description	Size	UNIT PKG.
213-2513	T-Bar Frame w/Cover	14″	ONE TOOL
213-2514	T-Bar Frame w/Cover	18″	ONE TOOL

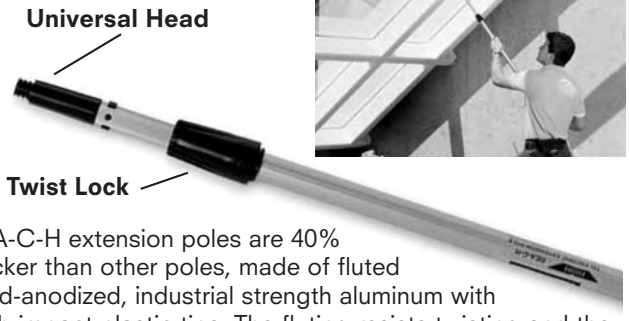
ACCESSORIES

STOCK NO.	Description	Size	UNIT PKG.
213-2515	Replacement Cover	14″	ONE COVER
213-2516	Replacement Cover	18″	ONE COVER
213-2517	Porcupine Scrubber	14″	ONE COVER
213-2518	Porcupine Scrubber	18″	ONE COVER

REA-C-H Extension Poles

Industrial Strength Aluminum





REA-C-H extension poles are 40% thicker than other poles, made of fluted gold-anodized, industrial strength aluminum with high-impact plastic tips. The fluting resists twisting and the gold-anodized finish ensures years of corrosion-free use. Poles have a quarter turn positive lock and a comfortable rubber grip. Threaded tip is universal - it fits most window cleaning tools, paint rollers and brushes.

STOCK NO.	Description	Extended Length	UNIT PKG.
213-2519	2 Section Pole	8′	ONE POLE
213-2520	3 Section Pole	12′	ONE POLE

Window Cleaning Soap and Synthetic Chamois





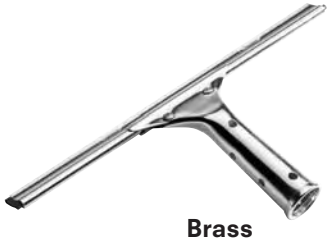


Synthetic Chamois in plastic container keeps chamois moist and ready for use

Bio-degradable formula soap makes squeegees slide easily across glass while instantly dissolving built-up grime, even grease. Available in liquid or powder. Synthetic chamois absorbs dirt and grime, cleans/dries fine finished surfaces.

STOCK NO.	Description	Size	UNIT PKG.
213-2521	Liquid Concentrate	16 oz.	ONE BOTTLE
213-2522	Powder	16 oz.	ONE JAR
213-1318	Synthetic Chamois	2 Sq. Ft.	ONE
213-1319	Synthetic Chamois	4 Sq. Ft.	ONE

Master Series Squeegees



Brass



Stainless Steel

The squeegee's rubber blade has a razor-sharp square edge, which leaves glass perfectly clean and streak free.
The solid brass frame is built to the precision tolerances you get from tempered, solid brass with perfect balance and weight. The annealed stainless steel frame has the advantage of lightness, strength and corrosion resistance. It has a soft rubber handle. Both squeegees can be used with the REA-C-H pole.

STOCK NO.	Description	Size	UNIT PKG.
213-2523	Solid Brass	14″	ONE
213-2524	Solid Brass	18″	ONE
213-2525	Stainless Steel	14″	ONE
213-2526	Stainless Steel	18″	ONE

REPLACEMENT CHANNELS AND RUBBER

STOCK NO.	Description	Size	UNIT PKG.
213-2527	Brass	14″	ONE
213-2528	Brass	18″	ONE
213-2529	Stainless Steel	14″	ONE
213-2530	Stainless Steel	18″	ONE

REPLACEMENT HANDLES

STOCK NO.	Description	UNIT PKG.
213-2531	Brass	ONE
213-2532	Brass/Rubber Quick Release	ONE
213-2533	Stainless Steel	ONE
213-2534	Stainless/Rubber Quick Release	ONE

Glass Cutters - Wood and Metal Handle

Wood Handle Glass Cutters

• Steel Wheel • Long Lasting Carbide Wheel • General Purpose Cutting - 120° to 130° Hone Angle Wheel

STOCK NO. 210-2200 	**Handle Color** Orange	**Description** One of our most popular cutters, with a steel wheel and 130° hone angle. Each cutter is packed in a colorful box. For general shop use.	**UNIT PKG.** ONE DOZEN BOXED
STOCK NO. 210-2222 	Natural Wood	This value priced cutter is for general shop use. The carbide wheel, with a 130° hone angle, will outlast a steel wheel by ten to one. Made in China.	ONE DOZEN BOXED
STOCK NO. 210-2300 	Green	Our best selling wood handle cutter, Bohle, is imported from Germany. Steel wheel cutter has a 130° hone angle for general shop use or resale. Each cutter is individually boxed.	ONE DOZEN BOXED
STOCK NO. 210-2410 	Green	Six cutters in one! This unique cutter has a turret that holds six steel wheels. Just turn the turret when you are ready for a new wheel. 120° hone angle. Individually carded and sold each.	ONE CUTTER CARDED
STOCK NO. 210-2401 		Replacement turret for Stock No. 210-2410 listed above.	ONE TURRET

Metal Handle (Cast Iron) Glass Cutters

• Steel Wheel • Carbide Wheel - Lasts 10 Times Longer • General Purpose Cutting - 124° to 130° Hone Angle Wheel

STOCK NO. 210-1111 	**Handle Color** Black/Orange	**Description** Straight handle Somaca cutter for general purpose use. 130° hone angle steel wheel. Individually boxed.	**UNIT PKG.** ONE DOZEN BOXED
STOCK NO. 210-1222 	Black/Orange	The ball end on this Somaca cutter is used to tap the score line. Steel wheel with a 130° hone angle. Individually boxed.	ONE DOZEN BOXED
STOCK NO. 210-1001 	Green/Gold	Fletcher-Terry's classic "Gold Tip" straight handle glass cutter is our most popular cast iron handle cutter. Steel wheel with a 130° hone angle. Each cutter is individually boxed.	ONE DOZEN BOXED
STOCK NO. 210-1002 	Green/Gold	Fletcher-Terry ball end classic glass cutter. Steel wheel with a 130° hone angle. Each cutter individually boxed.	ONE DOZEN BOXED
STOCK NO. 210-1031 	Green/Silver	Long lasting carbide wheel cutter from Fletcher-Terry. This straight handle cutter has a 124° hone angle for general shop use. Carded and sold each.	ONE CUTTER CARDED
STOCK NO. 210-1032 	Green/Silver	This ball end, carbide wheel Fletcher-Terry cutter is our best selling metal handle cutter. 124° hone angle. Boxed and sold each.	ONE CUTTER BOXED

Glass Cutters - Metal and Plastic Handle

Metal Handle (Cast Iron) Glass Cutters

• Steel Wheel • Long Lasting Carbide Wheel • General Purpose Cutting - 114° to 148° Hone Angle Wheel

STOCK NO.		Handle Color	Description	UNIT PKG.
210-2230		Gold	Diamantor gold cutter is imported from Germany. The steel wheel has a 130° hone angle for general cutting.	ONE DOZEN BOXED
210-1401		Silver/Gold	Fletcher heavy glass cutter with 148° hone angle, carbide wheel, and ball end.	ONE CUTTER BOXED
210-1128		Blue/Gold	Fletcher art glass cutter with 114° hone angle steel wheel. Ball end.	ONE CUTTER CARDED
210-1136		Silver/Gold	Fletcher art glass cutter. 114° hone angle carbide wheel. Straight end.	ONE CUTTER CARDED
210-1137		Silver/Gold	Fletcher art glass cutter, with 114° hone angle carbide wheel. Cutter has a ball end.	ONE CUTTER BOXED

Plastic and Aluminum Handle Glass Cutters

STOCK NO.		Handle Color	Description	UNIT PKG.
210-2411		Blue Plastic	Bohle "Toplife" Premium 135° angle wheel cutter with lightweight plastic handle. Wheel is not replaceable. Use with confidence to score glass from 3/32" to 1/2".	ONE CUTTER
210-1050		Black Plastic	Fletcher ScoreMaster I carbide wheel cutter with a 140° hone angle. Replacement wheels listed on page 189.	ONE CUTTER CARDED
210-1504		Brite Silver	The diamond chip point cutter is only for the experienced craftsman. To cut glass with a diamond hand cutter requires skill, dexterity, and experience. It should not be attempted without instruction and a considerable amount of practice.	ONE CUTTER

HONE ANGLE RECOMMENDATIONS

Steel and carbide wheel glass cutters have unique wheel hone angles for specific applications. The hone angle defines the sharpness of the wheel that creates the score line on the glass.

HONE ANGLE	APPLICATION
114°	Art Glass
120° to 140°	General Purpose
148° +	Thick Glass (1/2"-3/4")

Oil Cutters

Somaca Value Priced Carbide Wheel Oil Cutters - 135°



Stock No. 200-0138
Brass Handle



Stock No. 200-0135
Plastic Handle

Clear Plastic Handle

STOCK NO.	Description	UNIT PKG.
200-0135	Clear Plastic Handle	ONE
200-0137	Replacement Head*	ONE

Brass Handle - Ball End

200-0138	Brass Handle - Ball End	ONE
200-0139	Replacement Head*	ONE

***Replacement Heads Are Not Interchangeable**

Silberschnitt "4000" Series Oil Cutter

- **Value Priced**
- **Lightweight Aluminum Alloy Cutting Head**
- **"Toplife" Quality Wheel**
- **More than Double the Life of Conventional Carbide Wheel**

Features a 138° hone angle wheel.
Cutting head swivels 30°.
Heavy duty brass handle version can use the ergonomic transversal handle, #210-2414, to apply cutting pressure. Only 4000 Series heads can be used with this cutter.



STOCK NO.	Description	Head Type	UNIT PKG.
210-2402	Brass Handle Oil Cutter	Wide	ONE
210-2403	Brass Handle Oil Cutter	Narrow	ONE
210-2404	Plastic Handle Oil Cutter	Wide	ONE
210-2405	Plastic Handle Oil Cutter	Narrow	ONE
210-2406	4000 Series Replacement Head	Wide	ONE
210-2407	4000 Series Replacement Head	Narrow	ONE
210-2414	Handle for Brass Models		ONE

Fletcher Carbide Glass Cutters

FLETCHER Designer II Series

Carbide Wheel Glass Cutters
With Interchangeable Heads and Oil Reservoir

Fletcher's "Gold-Tip" Designer II glass cutters are fluid dispensing cutters delivering superior glass cutting performance. Choose from solid brass pencil grip handle, lightweight clear plastic pencil grip handle, or fatigue-reducing pistol grip. Fiberlock™ anti-leak fluid dispensing system lays down a perfect bead for perfect scores. Snap-in/out interchangeable heads can be set for either fixed or swivel cutting.



Solid Brass **210-1712**
Contour Grip Handle **210-1713**

Clear Plastic
Contour Grip Handle
210-1711

Solid brass contour grip handle glass cutter with either a wide 140° tungsten carbide head for straight edge cutting or narrow 140° head for pattern cutting.
Plastic contour grip handle glass cutter has a narrow 140° tungsten carbide cutting head for pattern cutting.

STOCK NO.	Head	Style	UNIT PKG.
210-1711	Narrow	Pattern	ONE
210-1712	Wide	Straight	ONE
210-1713	Narrow	Pattern	ONE

Clear Plastic Pistol Grip Handle

A plastic contour grip handle glass cutter with either a wide or narrow 140° tungsten carbide cutting head, for straight or pattern glass cutting.



STOCK NO.	Head	Style	UNIT PKG.
210-1714	Narrow	Pattern	ONE
210-1715	Wide	Straight	ONE

Designer II Interchangeable Heads

Heads Not Interchangeable with ScoreMaster Series

140° Angle
Pattern Cutting



UNIT PKG: ONE

STOCK NO.	Head
210-3712	Narrow

140° Angle
Straight Cutting



UNIT PKG: ONE

STOCK NO.	Head
210-3711	Wide

154° Angle
Glass 1/2" and Thicker



UNIT PKG: ONE

STOCK NO.	Head
210-3713	Wide

ScoreMaster Series
Carbide Wheel Cutting Heads



Interchangeable Heads ScoreMaster Series

140° Angle
Pattern Cutting



STOCK NO.	Head	UNIT PKG.
210-3131	Narrow	ONE

114° Angle
Art Glass



STOCK NO.	Head	UNIT PKG.
210-3133	Narrow	ONE

140° Angle
Straight Cutting



STOCK NO.	Head	UNIT PKG.
210-3135	Wide	ONE

154° Angle
Heavy Glass



STOCK NO.	Head	UNIT PKG.
210-3136	Wide	ONE

ENVIROGOLD™ Glass Cutting Fluid

Cutting fluid specifically designed for use with "Gold Tip" Designer II glass cutters.



UNIT PKG: ONE

STOCK NO.	Size
210-3741	4 oz. Bottle

Oil Carbide Glass Cutters

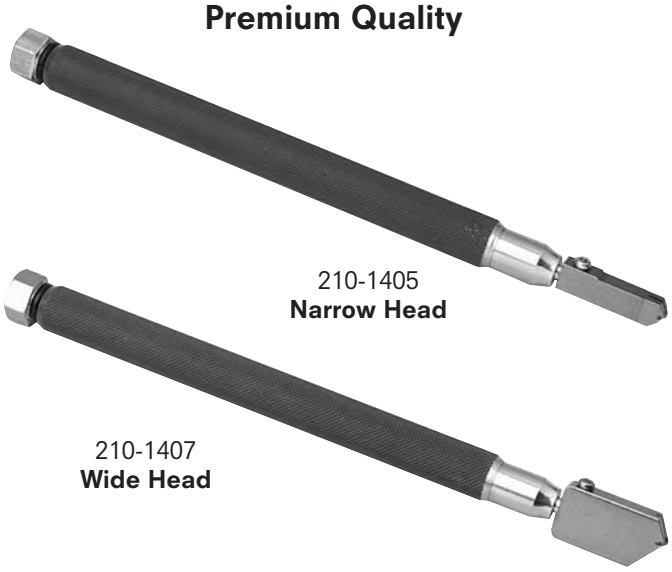
TOYO Carbide Wheel Oil Glass Cutters

Original Supercutter®

Straight End Brass Handle

134° Hone Angle

Premium Quality



210-1405
Narrow Head

210-1407
Wide Head

The Supercutter is the standard of the stained glass and glazing industry. It features a precision-ground carbide cutting wheel in a replaceable head. The wheel is automatically lubricated by an ingenious, constant oil feed system.
The **narrow** head is prized by art glass craftsmen to make intricate scores while doing pattern work.
The **wide** head is designed for normal everyday straight line cutting.

STOCK NO.	Head	Cut Type	Angle	UNIT PKG.
210-1405	Narrow	Pattern	134°	ONE
210-1407	Wide	Straight	134°	ONE

Comfort-Grip Supercutter®

Straight End
Fluorescent Colors

134° Hone Angle

Premium Quality



Wide Head

The Comfort-Grip Supercutter has a lightweight, tapered barrel with contoured finger channels designed to fit any size hand. Cutter has a precision-ground cutting head and an automatic oil-feed system with a 134° carbide wheel. Six fluorescent colors are available - shipped in random order.

STOCK NO.	Head	Angle	UNIT PKG.
210-1421	Wide	134°	ONE

Pistol-Grip Supercutter®

Clear Plastic Handle

134° Hone Angle



Wide Head

Toyo's Pistol-Grip Heavy Duty Supercutter is designed for hours of fatigue-free cutting. Features a self-lubricating head, fed by an oil reservoir in the handle. 134° carbide wheel.

STOCK NO.	Head	Angle	UNIT PKG.
210-1420	Wide	134°	ONE
210-1422	Pattern	134°	ONE

TOYO **Replacement Cutting Heads**



210-3106



210-3140/3141/1505

STOCK NO.	Head	Angle	UNIT PKG.
210-3106	Pattern	134°	ONE
210-3140	Wide	134°	ONE
210-3141	Wide	155°	ONE
210-1505	Wide - Tap Wheel	158°	ONE

Toyo Oil Cutters

Custom-grip Supercutter®

Adjustable Grip Relieves Strain on Fingers



The Custom-Grip Supercutter has a four-position saddle built into the barrel. The saddle fits between the thumb and forefinger, allowing the fingers to remain straight, relieving them of strain while scoring. To fit all hand sizes, the saddle is adjustable to four different heights.

TAP Wheel Technology



The TAP Wheel on the Custom-grip Supercutter has an axle bore with eight microscopic cams creating eight "taps" per wheel revolution. This action will drive the score deeper into the glass allowing easy breakout with less flaring. The new spring-controlled oil valve provides steady and consistent oil flow. Specific replacement heads are required for this cutter.

STOCK NO.	Description	Head	UNIT PKG.
210-1411	Custom-grip Supercutter	Wide	ONE
210-1410	Custom-grip Supercutter	Pattern	ONE
210-3144	Replacement Head	Wide	ONE
210-3146	Replacement Head	Pattern	ONE

Somaca Glass Cutting Oil

For Use On Hand Held Cutters and Automated Cutting Machines

Developed initially for glass shops that did a large amount of daily hand cutting of glass. Now being used on automated glass cutting units. Helps to produce clear and concise cuts and promotes increased wheel life.



STOCK NO.	Size	UNIT PKG.
120-1010	1 Gallon	ONE
265-1013	1 Quart	ONE

Thomas-grip Supercutter®

Ideal for Pattern Cutting



An automatic oil-feed cutter that features a unique, ergonomically designed handle. The barrel is topped with a saddle that fits between thumb and index finger, creating a three-point grip that ensures precise control. In addition, the handle shape accommodates many other scoring techniques. The Thomas-grip Supercutter is available in six fluorescent colors, which will be shipped in random order.

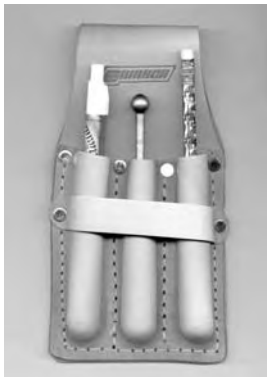
STOCK NO.	Description	Head	UNIT PKG.
210-1409	Thomas-grip Supercutter	Wide	ONE
210-1408	Thomas-grip Supercutter	Pattern	ONE
210-3140	Replacement Head	Wide	ONE
210-3106	Replacement Head	Pattern	ONE

Glass Cutter/Marker Pouches

Harness Leather



211-9330



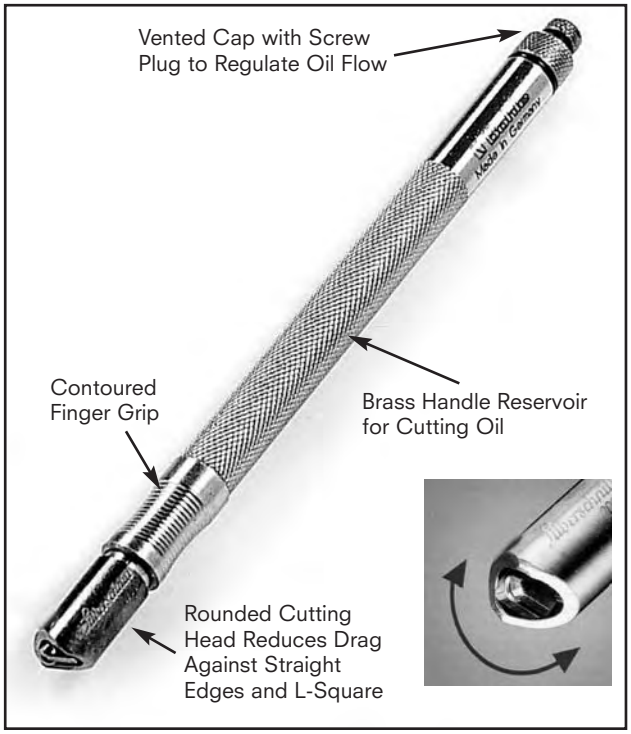
211-9350

Handy pouches made of extra heavy harness leather. Three pockets for holding glass cutters, glass markers or pencils, etc. Open-faced model or a riveted belt strap model for affixing a tape rule on the front. 1-1/2" wide tunnel belt slot.

STOCK NO.	Size	UNIT PKG.
211-9330	6" high x 3" wide	ONE POUCH
211-9350	6" high x 3" wide	ONE POUCH

Oil Reservoir Glass Cutter

Silberschnitt 2000 . . . featuring a unique, composite wheel



Use Deluxe Cutter With . . .

- 2000 Circle and Oval Cutters
- Corner Cut-Out Template
- Other Bohle Special Order Tools

The Silberschnitt 2000 is the newest German invention for glass cutters with an oil reservoir. The Toplife wheel is made of a composition of new carbide types. The result is an unbelievable life and unique feel. Hone angle is 145°.

The wheel holder is double-mounted in ball bearings. The round wheel holder will rotate through 360° which is ideal for cutting along templates.

Wheel holders are interchangeable and are marked with code numbers to identify various angles.

The 2-valve oil system is adjustable from shut off to extra flow for thick glass work.

STOCK NO.	Description	UNIT PKG.
210-2412	Brass Handle Oil Cutter with Toplife Wheel	ONE

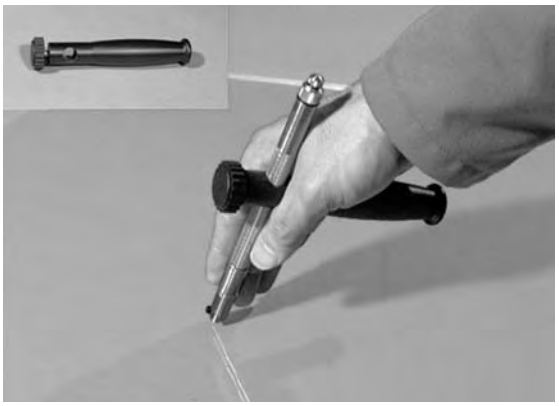
Ergonomic Transverse Handle



Higher Cutting Pressure for Thick Glass

Bohle brass handle cutters can be used with the ergonomic transverse handle. This handle can be individually adjusted to hand size. When properly fitted, the handle can apply higher cutting pressure when cutting thick glass.

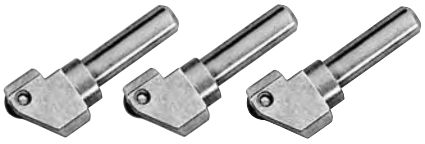
STOCK NO.	Description	UNIT PKG.
210-2414	Transverse/Ergonomic Handle for 2000 Cutters	ONE



Toplife 2000 Wheel Holders

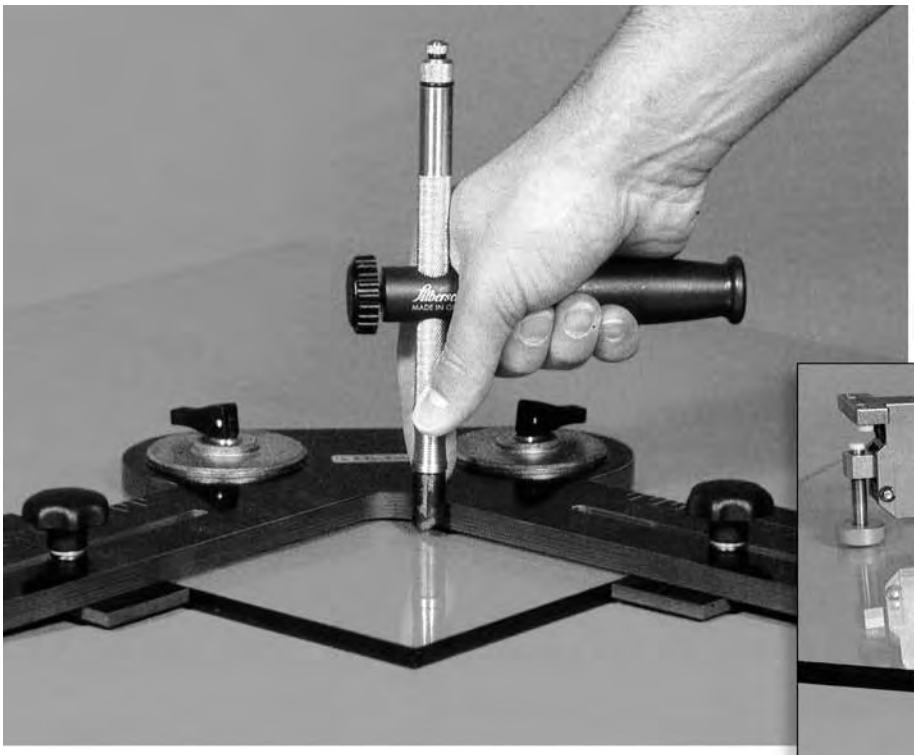
Fit Toplife 2000 Deluxe Glass Cutter

Interchangeable Wheel Holders for the Toplife 2000 Deluxe Glass Cutters are available in three angles to accommodate glass thicknesses from 3/32" to 3/4". They feature Toplife wheels made of laminate material that has superior cutting life compared to traditional carbide cutter wheels. Replacement is simply a matter of pulling out the wheel holder with a pair of needle nose pliers. You can order them by wheel angle or in a set containing all three.



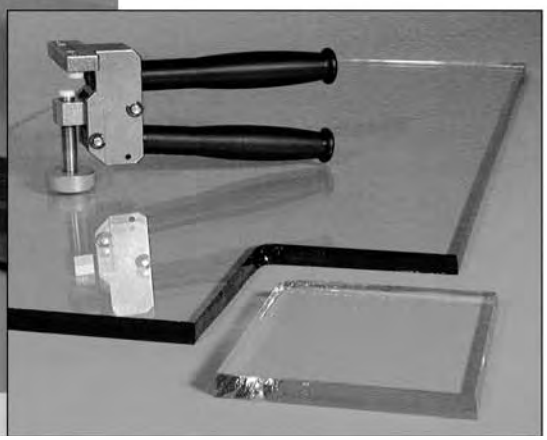
STOCK NO.	Hone Angle	Glass Thickness	UNIT PKG.
210-2416	145° - Standard Glass	1/4" - 3/8	ONE
210-2417	155° - Templates	1/4" - 9/16"	ONE
210-2418	158°- Heavy Glass	3/8" - 3/4"	ONE
210-2419	Set of 3 (145°, 155° and 158°)		ONE SET

Corner Cut-Outs Tool Kit



Cutting Corner Cut-Outs Has Never Been Easier!

For Flat Glass
1/8" to 5/8" Thick



Forget the drilling and sawing! With the Bohle tools, corner cut-outs on glass 1/8" to 5/8" thick are easy.
Kit Includes: Adjustable template with 2 suction cups (template adjusts from 1-3/4" to 6-7/8" and the corner radius is 1/4"), Silberschnitt 2000 Oil Cutter with a 155° wheel, extra 145° wheel holder, handle for creating more pressure, running pliers, and oil.

STOCK NO.	Description	UNIT PKG.
210-2578	Corner Cut-Out Kit	ONE KIT
210-2505	Template Only	ONE
210-2504	Running Pliers - Up to 5/8" Thick Glass	ONE

Cut-Opener

Bohle's Cut-Opener runs complicated cuts, such as 90° corners. The Cut-Opener will work with just about every shape in 1/4" to 3/8" glass. Maximum reach is 3.9". Detailed instruction manual is provided.

STOCK NO.	Description	UNIT PKG.
210-2570	Cut-Opener Tool	ONE



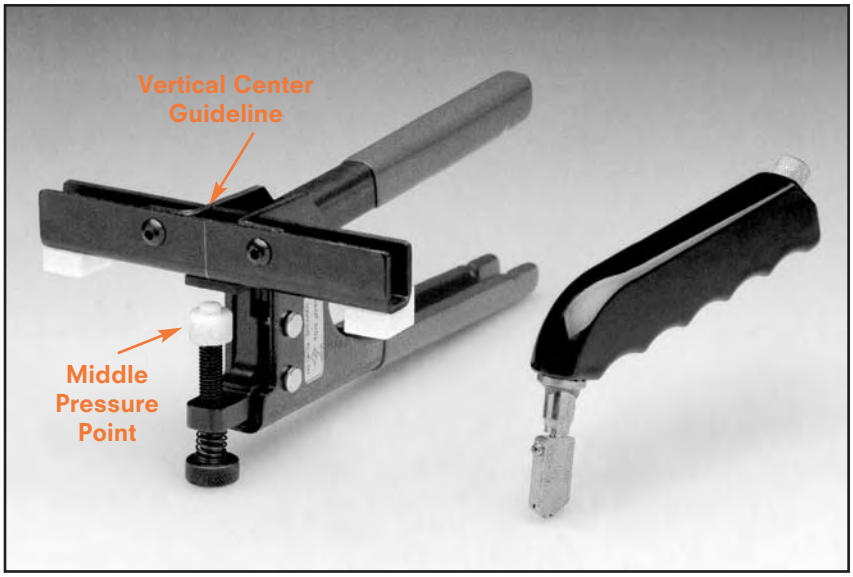
Heavy Glass Breakers

TOYO
Heavy Plate Cutting System



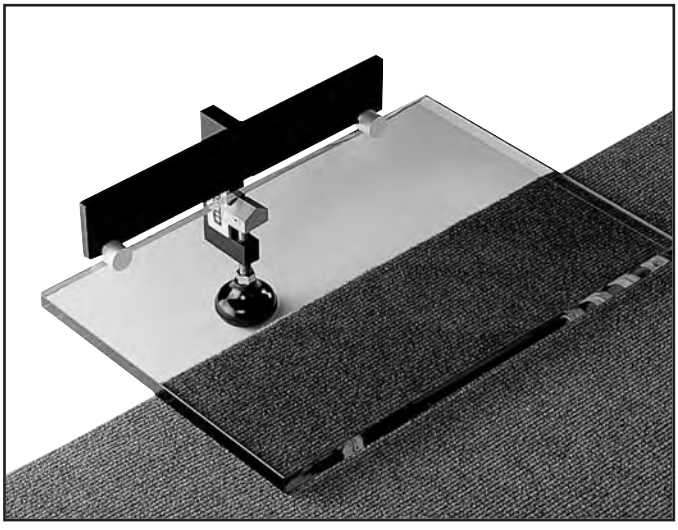
Featuring
TAP Wheel™ Technology

Cleanly Breaks 1/2" to 3/4" Heavy Plate



Tap Wheel technology creates an internal vibration between the wheel and axle, driving the median crack created by the score much deeper into the glass. This reduces flaring and can save over 80% of additional edging work processing.
After the glass is scored, the 19:1 power ratio Toyo pliers easily run the score. To run the glass, center the pliers' vertical guideline over the score line. The round crown provides flare control. Even pressure on both sides of the score achieves a clean, square breakout.
Pliers are adjustable for cutting narrow to wide strips and different glass thicknesses.
Kit Includes: Heavy Glass Pliers and wide head (158°) Toyo Oil Cutter.

STOCK NO.	Description	UNIT PKG.
210-1500	Heavy Glass Pliers, and Wide Head (158° Tap Wheel) Toyo Oil Cutter	ONE KIT
210-1501	Pistol Grip Glass Cutter w/158° Tap Wheel Head	ONE
210-1505	Wide Tap Wheel 158° Replacement Head	ONE
210-3142	Narrow Tap Wheel 158° Replacement Head	ONE
210-1502	Pliers - Replacement Tips - Top Square Units	TWO
210-1503	Pliers - Replacement Cap - Bottom	PAIR



FLETCHER Heavy Glass Breaker

Easily Breaks 3/8" to 1" Heavy Plate

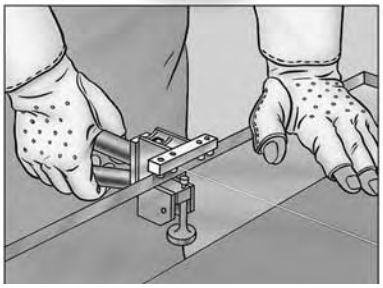
Cutting thick glass, 3/8" to 1" thick is always a challenge, but the Fletcher Breaker Tool simplifies your job. Detailed instructions with pictures for various applications are packed in the kit. After glass scoring, mount the Breaker on the glass with the screw knob facing down. Spread the two silver round anvils as far apart as possible, locating the pointed silver fulcrum directly under the score line. Turn the black knob so that the fulcrum presses upward on the glass from below.
Kit Includes: Heavy Glass Breaker Tool and 148° carbide wheel cutter for scoring 1/2" and thicker glass.

STOCK NO.	Description	UNIT PKG.
210-1400	Breaker Tool with 148° Glass Cutter	ONE KIT
210-1401	148° Carbide Wheel Glass Cutter	ONE

Tools for Thick Glass



Stock No.
210-2502



Bohle Glass Breaking Pliers

Stock No.
210-2504

Featuring an adjustment screw that adjusts the pliers precisely to the glass thickness for optimum load transmission - which means your scores are opened cleanly and quickly.

STOCK NO.	Description	Thickness Range	UNIT PKG.
210-2502	Bohle Thick Glass Pliers - Heavy Duty	Up to 1″	ONE
210-2504	Bohle Glass Pliers - Medium Duty	1/4″ - 5/8″	ONE

Thick Glass Premium Quality Circle Cutter Kit

With Specialized Tools for Cutting Circles up to 47″ Diameter and Straight Cutting

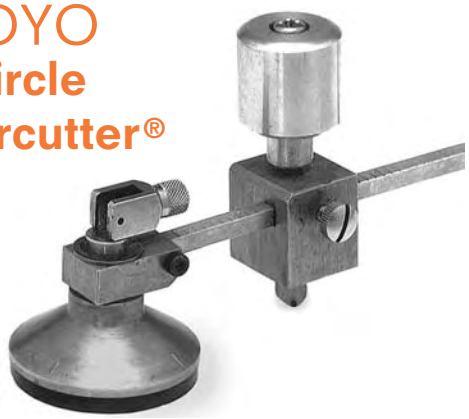
Bohle's Premium Circle Cutter Kit is for glass 3/8″ to 1″ thick. The special ball handle above the wheel holder enables you to apply the correct cutting pressure. Cutter bar has metric scales.
Kit Includes: circle cutter, special thick glass cutter for straight line cutting, Stock No. 210-2502 cut run pliers for glass up to 1″, glass tap gun with force adjustment, cutting fluid, and plastic storage case.



STOCK NO.	Description	UNIT PKG.
210-2574	Premium Circle Cutter Kit	ONE KIT

Circle Cutters

TOYO Circle Supercutter®



The Circle Supercutter features a vacuum cup for a positive grip on the cutting surface. Cutting unit has an automatic oil-feed system and a replaceable wheel and axle. The blade swivels to align the wheel for left- or right-hand scores. Cutting unit is positioned on a pivoting radius bar which is ruled for precise adjustment.

STOCK NO.	Description	UNIT PKG.
210-1507	Circle Cutter - 48″ Dia.	ONE
210-1508	Circle Cutter - 72″ Dia.	ONE
210-1509	Circle Cutter - Heavy Glass 48″ Dia. - Tap Wheel	ONE

FLETCHER Small Circle and Lens Cutter

Cuts Glass Positioned on Board 1/2″ to 5″



Simplicity in design and handling enables the user to cut perfect circles every time. Cuts circles as small as 1/2″ in diameter - as large as 5″. An ideal unit for hand cutting flashlight lenses on a semi-production basis. 3″ graduated rod makes it simple to adjust for any size circle up to 5″.

STOCK NO.	Description	UNIT PKG.
210-3530	Lens Cutter - 8″ x 6″ Base	ONE

REPLACEMENT TURRET

STOCK NO.	Description	UNIT PKG.
210-3531	Turret with 3 Wheels - 132°	ONE



FLETCHER CircleMate™ II Circle Cutters

• Vacuum Cup Base • Longer Wheel Life
• English/Metric Bar • 3 Wheel Turret • Edge Guide



3 Wheel Turret



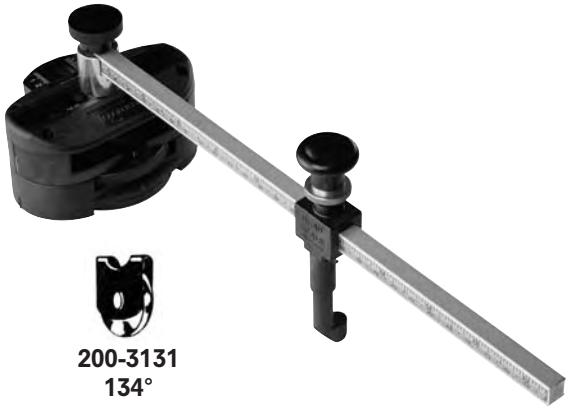
Wheel Saddle



CircleMate II is a professional quality cutter with a vacuum cup base that locks firmly to the surface of the glass by depressing the thumb lever. It comes with an aluminum bar, available in 3 different lengths that cuts circles from 3" to 28", 48" or 72" in diameter, with an easy-to-read diameter scale (scale in English and metric). Edge guide for strips included.

STOCK NO.	Description	Centimeters	UNIT PKG.
210-3526	Circles 3" to 28"	7.6 to 71	ONE
210-3548	Circles 3" to 48"	7.6 to 122	ONE
210-3572	Circles 3" to 72"	7.6 to 184	ONE
210-3532	3 Steel Wheel Turret - 132°		ONE
210-3528	Carbide Wheel/Saddle - 134°		ONE
210-2555	Carbide Wheel/Saddle - 114°		ONE

FLETCHER Oval and Circle Glass Cutter



200-3131
134°

The cutter makes ovals 4-1/2″ to 24″. Circles can be created to 21″ in diameter. Offset is 3″.
A tungsten carbide wheel unit is included. The easy to operate suction cup adheres the cutter to the glass with the turn of a dial.
Easy to read scale lets you set accurate measurements with the turn of the knob.

STOCK NO.	Description	UNIT PKG.
200-5221	Oval & Circle Glass Cutter	ONE
200-3131	Replacement Wheel - 134°	ONE

Silberschnitt Circle Cutter

Silberschnitt Circle Cutters



Precision Circle Cutters

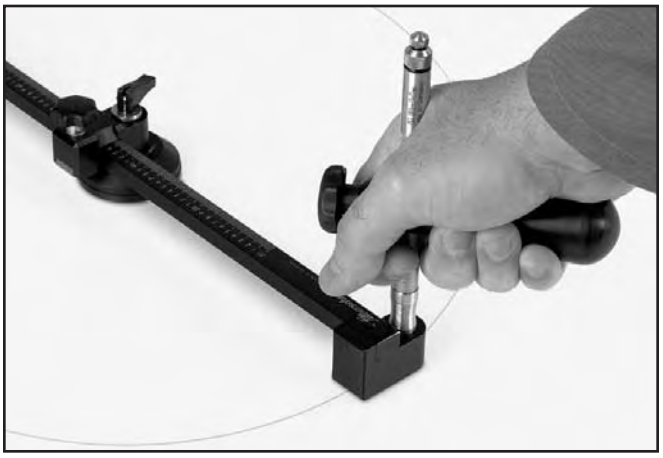
Cuts Circles 2-1/2" to 78"

- **Turret with 6 Steel Wheels**
- **English and Metric Brass Bar**

A high luster brass circle cutter crafted in Germany. The suction feature gives positive holding action when the lever is depressed. Bar is scaled in inches and centimeters. Minimum circle is 2-1/2" (6.35cm).

Silberschnitt Circle Cutters

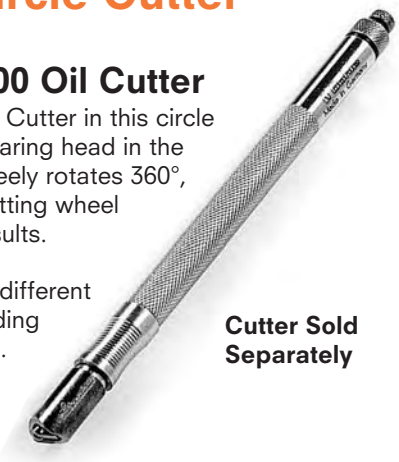
STOCK NO.	Max. Circle Dia.	Centimeters	UNIT PKG.
210-3511	Circles to 23.5"	60 cm	ONE
210-3512	Circles to 39.4"	100 cm	ONE
210-3514	Circles to 47.2"	120 cm	ONE
210-3516	Circles to 78.8"	200 cm	ONE



System 2000 Circle Cutter

Uses 2000 Oil Cutter

Use your 2000 Oil Cutter in this circle cutter. The ball-bearing head in the 2000 Oil Cutter freely rotates 360°, and the trailing cutting wheel yields amazing results. Wheel holders are exchangeable for different applications including thick glass cutting.



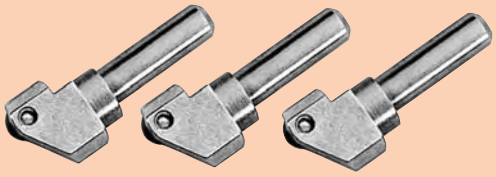
Cutter Sold Separately

System 2000 Circle Cutter

STOCK NO.	Max. Circle Dia.	Centimeters	UNIT PKG.
210-3611	Circles to 23.5"	60 cm	ONE
210-3613	Circles to 47.2"	120 cm	ONE
210-3614	Circles to 78.8"	200 cm	ONE
210-2414	Handle for 2000 Cutter		ONE

Replacement Parts for Steel Wheel Circle Cutter

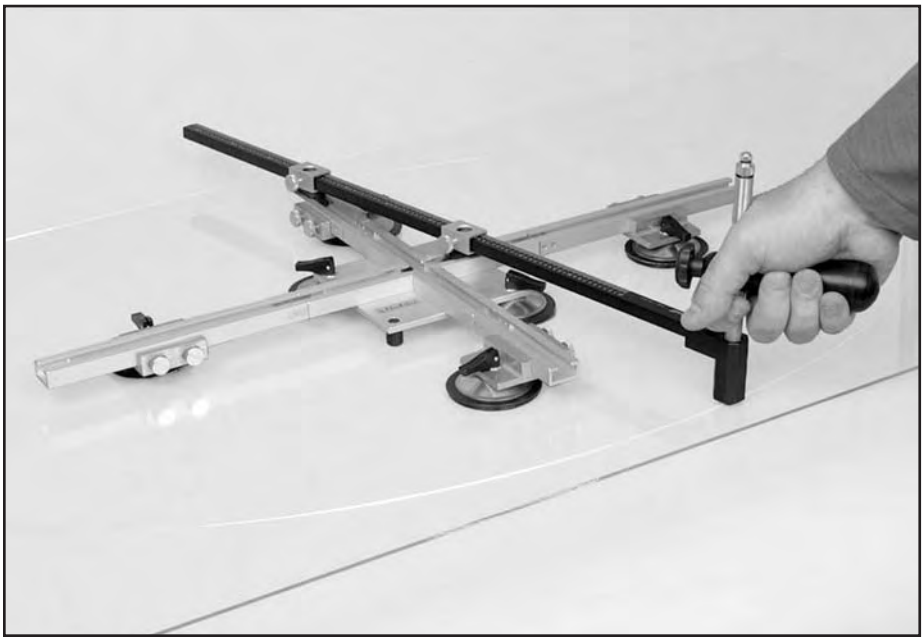
STOCK NO.	Description	UNIT PKG.
210-2520	Replacement Metal Cutting Head w/6 Wheel Turret	ONE
210-2519	Turret with 6 Wheels - 130°	ONE
210-2623	Replacement Steel Wheels	ONE DOZEN
210-2620	Replacement Rubber Base	ONE



Replacement Wheel Holders

STOCK NO.	Hone Angle	Glass Thickness	UNIT PKG.
210-2416	145° - Standard	1/4"- 3/8"	ONE
210-2417	155° - Templates	1/4"- 9/16"	ONE
210-2418	158° - Heavy	3/8"- 3/4"	ONE
210-2419	Set of 3 (145°, 155° and 158°)		ONE SET

Circle/Oval and Oil Cutters



Circle and Oval Cutting Machine

Silberschnitt System 2000

Designed for accurately cutting ovals on a regular basis. Easily cuts glass up to 3/4". Comes with a 145° Toplife Wheel Holder and brass handle Oil Cutter 2000. As with all series 2000 tools, other wheel holders are available. Bar is scaled in inches.
Machine includes detailed instruction manual and related items.

STOCK NO.	Description	Oval Capacity	UNIT PKG.
210-2550	Circle & Oval Machine	9" to 48"	ONE
210-2551	Extension Kit	Up to 72"	ONE
210-2416	Toplife Wheel Holder 145°		ONE
210-2417	Toplife Wheel Holder 155°		ONE
210-2418	Toplife Wheel Holder 158°		ONE

Hone Angle Chart

114°	120°	124°	130°	134°	140°	148°
Art Glass	General Purpose					1/2" & 3/4" Thick Glass

Inch - Metric - Glass Weight Conversion Data

Inches	mm	Glass Weight (lbs. per sq. ft.)	Inches	mm	Glass Weight (lbs. per sq. ft.)
1/32	0.79		9/16	14.29	
1/16	1.59	.81 SS*	19/32	15.08	
3/32	2.38	1.20	5/8	15.88	
1/8	3.18	1.50 DS*	21/32	16.67	
5/32	3.97		11/16	17.46	
3/16	4.76		23/32	18.26	
7/32	5.56		3/4	19.05	9.60
1/4	6.35	3.00	25/32	19.84	
9/32	7.14		13/16	20.64	
5/16	7.94		27/32	21.43	
11/31	8.73		7/8	22.23	
3/8	9.53	5.00	29/32	23.02	
13/32	10.32		15/16	23.81	
7/16	11.11		31/32	24.61	
15/32	11.91		1	25.40	13.00
1/2	12.70	6.50	1-1/4	31.75	
17/32	13.49		1-1/2	38.10	

***SS = Single Strength**
***DS = Double Strength**

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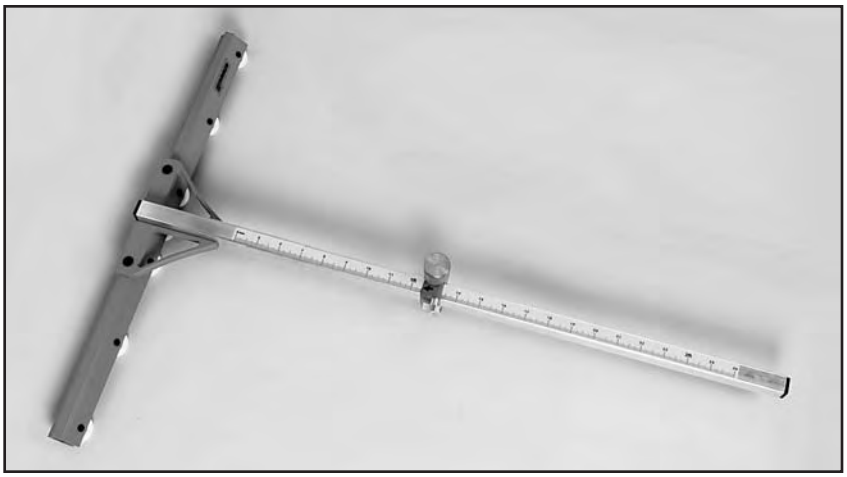
crlaurence.com
usalum.com
columbiamfg.com
(800) 421-6144

Strip Cutters

Somaca Premium Strip Cutter with Self-Oiling Cutting Head



Clean Scores All the Time with Exclusive Self-Oiling Cutting Head!





Smooth Rolling Nylon Wheels

Featuring . . .
- Oil Resevoir Lubricates Toyo Carbide Wheel
- Ball Bearing Guide Wheels
- Heavy Duty Aluminum Roller Assembly with Brace
- Recessed Measure Markings Prevent Rub-Off
- Thick Glass Scoring with 154° Cutting Head Option

STOCK NO.	Description	UNIT PKG.
220-2124	24″ Cutter w/134° Head	ONE
220-2148	48″ Cutter w/134° Head	ONE
220-2172	72″ Cutter w/134° Head	ONE
	Replacement Parts	
210-3142	154° Head - Heavy Glass	ONE
210-3106	134° Head	ONE
220-2219	Complete Head Assembly	ONE
220-2218	Wheel Only - 134°	ONE

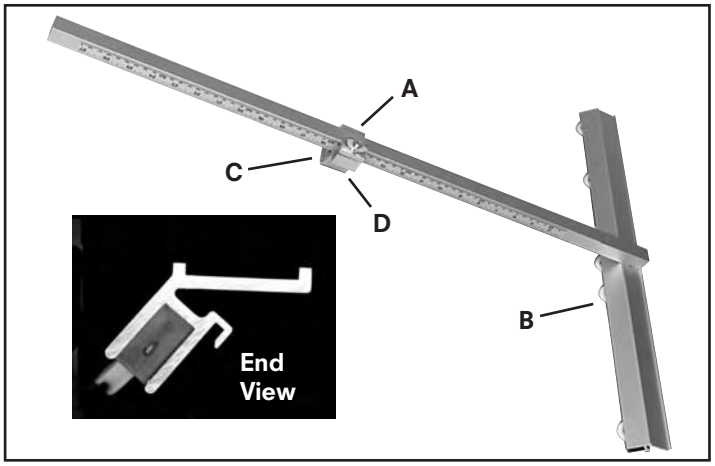
Production Glass Strip Speed Cutter

- **Save Times and Manpower**
- **One-Person Operation**

Cuts a perfect parallel line up to 74″. Cutter has an easily readable scale for precision adjusting and removable rollers for right or left hand operation. Cutting head turret is fitted with six steel wheels. The 72″ cutter has a reinforced double tube construction for more accurate performance.

Part Numbers for Replaceable Pieces:
A - Cutting Head
B - Edge Roller Guide
C - 210-2519, Turret (6 Steel Wheels)
D - 210-2623, Steel Wheels (12)

STOCK NO.	Size	Min. Width	Max. Width	UNIT PKG.
220-2024	24″	3″	27″	ONE
220-2048	48″	11-1/2″	50-1/2″	ONE
220-2072	72″	43″	74″	ONE



STOCK NO.	Replacement Parts	UNIT PKG.
210-2524	Head Assembly/Rapide Style Cutter	ONE
210-3524	Head Assembly/Production Speed Cutter	ONE
210-2525	Edge Roller/Rapide Style Cutter	ONE
210-3525	Edge Roller for Production Speed Cutter	ONE
210-2519	Cutting Turret (6 Wheels)	ONE PKG.
210-2623	Steel Cutting Wheels (12)	ONE DOZ.

FLETCHER F-3000

Glass, Plastic and Matboard Cutting Machines

Exclusive Quick-Change Feature Allows Conversion From Glass to Plastic to Matboard in Seconds

The Fletcher 3000 does everything profitably and accurately for a long, long time. It's built of sturdy anodized aluminum. Optional stops (two recommended) are available for production cutting. It has a 3-position cutting turret that enables you to switch from glass to plastic to matboard with a quick turn. Comes with a special breaker system for plastic and a full length clamp for top-to-bottom non-slip, mark-free clamping of mat and plastic. The large diameter, polished steel tubes are virtually friction-free, which allows head assembly to ride with ease and accuracy. Measurements can be read from either side. Blades score glass, plastic and mat or foam board to 1/4" thick. Manufacturer's warranty is 5 years.

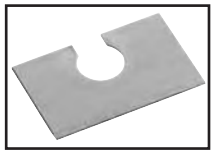


GLASS

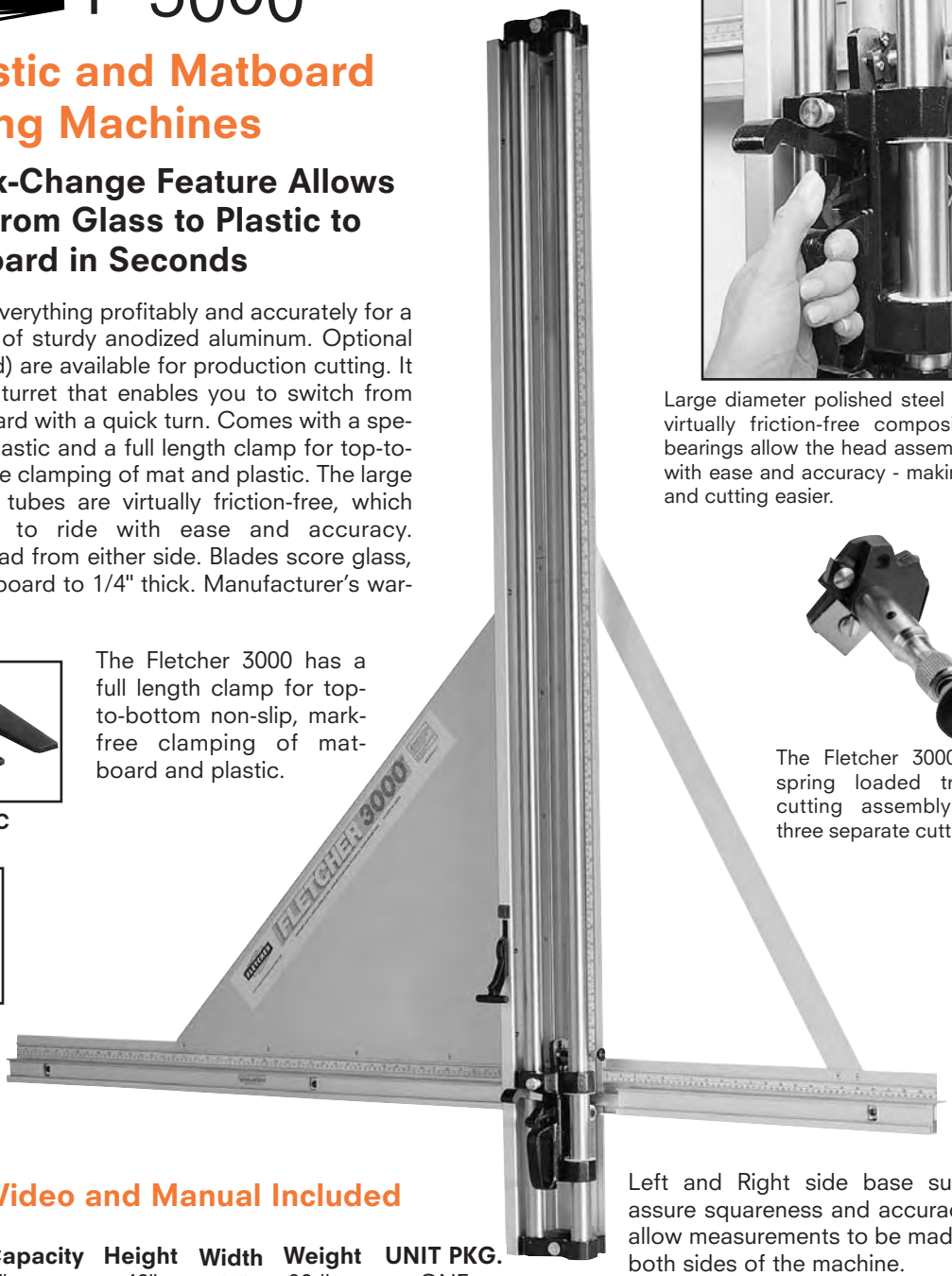


PLASTIC

The Fletcher 3000 has a full length clamp for top-to-bottom non-slip, mark-free clamping of matboard and plastic.



MATBOARD





Large diameter polished steel tubes and virtually friction-free composite sleeve bearings allow the head assembly to ride with ease and accuracy - making scoring and cutting easier.



The Fletcher 3000's unique spring loaded triple-turret cutting assembly features three separate cutting edges.

Instruction Video and Manual Included

STOCK NO.	Cutting Capacity	Height	Width	Weight	UNIT PKG.
220-1248	48"	48"	48"	80 lbs.	ONE
220-1260	60"	60"	48"	85 lbs.	ONE

Left and Right side base supports assure squareness and accuracy and allow measurements to be made from both sides of the machine.

REPLACEMENT WHEELS AND BLADES

STOCK NO.	Description	UNIT PKG.
210-2556	10 Steel Wheel Units - Glass (120°)	ONE PKG.
210-2558	Carbide Wheel Unit - Glass (124°)	ONE
220-1265	Optional Measuring Stop	ONE STOP
210-4318	10 Scoring Blades - Plastic	ONE PKG.
210-4320	10 Scoring Blades - Mat	ONE PKG.
210-2555	Carbide Wheel Cutter - 114°	ONE

Optional measuring stops help eliminate cutting mistakes - especially when cutting several pieces of work to the same dimensions. Simply position the stops to the correct dimensions and slide the material to be cut against the stop. Two stops are recommended for production cutting.

Glass Cutter Wheels

Steel and Carbide Glass Cutting Wheels



Carbide Wheels Without Axles



Steel Wheel U-Shaped Refills



Carbide and Steel Wheel and Axle



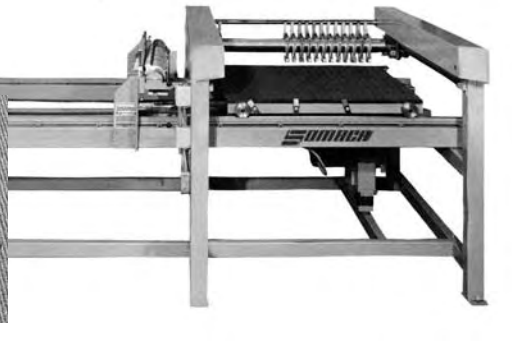
Steel Enclosed



Steel with U Axles



Steel Turret Without Axles



Carbide Without Axles

Steel Cutter Wheels With Axles

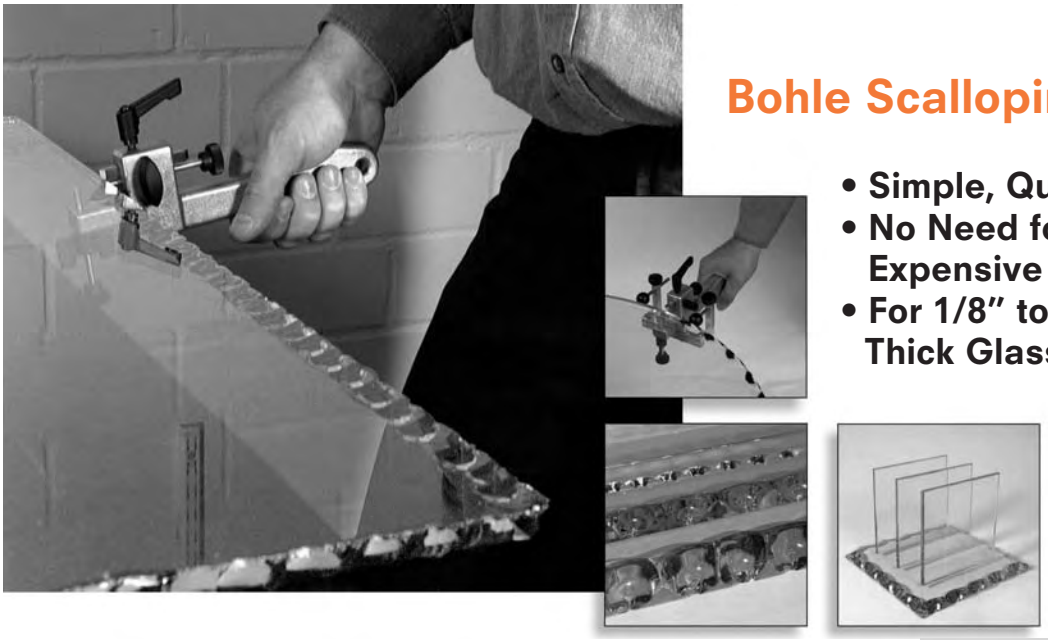
STOCK NO.	Diameter		Axle Type	Recommended For	For Use With	UNIT PKG.
210-2501	7/32″		U Shaped 120°	Window or Plate Glass, General Cutting Pattern & Circle Cutting	FLETCHER Quick Tip Replaceable Assembly For 2 QT Handles	TEN
210-2519	5/32″		Unit - Turret 130°	General Cutting Turret with 6 Wheels	BOHLE Circle Cutters: 210-3511 210-3512, 210-3514, 210-3516 RAPIDE Speed Cutters: 220-1048, 220-1072	ONE TURRET
210-2401	7/32″		Unit- Turret 122°	General Cutting Turret with 6 Wheels	FLETCHER Multi-Wheel Hand Glass Cutter: 210-2410	ONE TURRET
210-3531	7/32″		Unit - Turret 132°	General Cutting Turret with 3 Wheels	FLETCHER Small Circle and Lens Cutter: 210-3530	ONE TURRET
210-3532	7/32″		Unit- Turret 132°	General Cutting Turret with 3 Wheels	FLETCHER Circle Mate II Circle Cutters: 210-3526, 210-3548, 210-3572	ONE TURRET
210-2556	5/32″		Unit - Enclosed 120°	General Cutting	FLETCHER Upright Cutting Machines: 220-1148, 220-1160, 220-1100 1100 & 3000 Series: 220-1124, 220-1248, 220-1260	TEN
210-2557	5/32″		Unit - Enclosed 124°	Circles & Odd Shapes	FLETCHER Circle Cutter: 210-3508	TEN
210-3224	7/32″			Window & Plate Glass	Stalter Cutter: 1973 to Present	ONE
210-2623	5/32″		Straight 135°	General Cutting	SOMACA Circle Cutters: 210-3685, 210-3687	TWELVE
210-3099			Straight Axle for All Carbide Cutter Wheels Listed Above			ONE

Carbide Cutter Wheels Without Axles

210-3054	5/32″	Window and Plate Glass	BP-4745 and BP-4800 Shape Cutter	ONE
210-3056	5/32″	1/8" to 3/16" Thick Glass	BP-4745 and BP-4800 Shape Cutter	ONE
210-3072	7/32″	Plate Glass and Pyrex	STALTER Cutter Prior to '72	ONE
210-3074	7/32″	Window and Plate Glass	STALTER Cutter Prior to '72	ONE

Contact Us For Carbide Wheels and Axles to Fit Your Automatic Glass Cutting Table

Chipping and Scalloping Tools

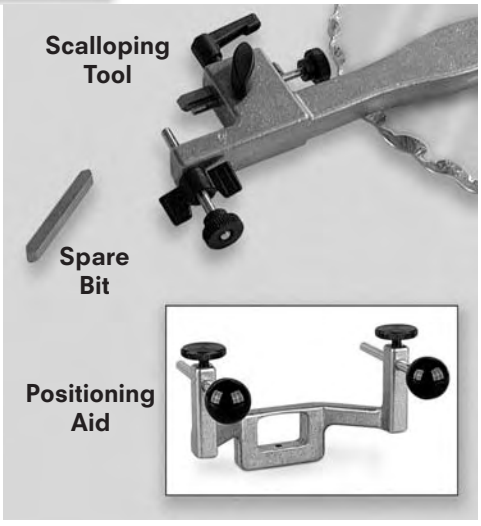


Bohle Scalloping Tool

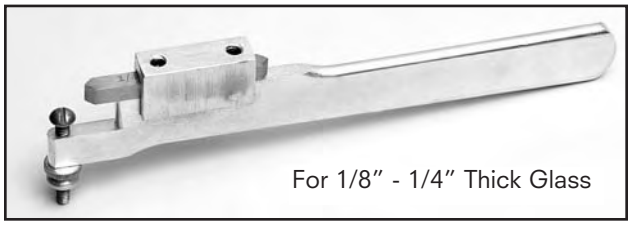
- **Simple, Quick and Attractive**
- **No Need for Expensive Machinery**
- **For 1/8" to 1" (3-25mm) Thick Glass**

Quickly produces a regular scallop design on flat glass edges. The scallop depth and width can be adjusted to your dimensions regardless of the glass thickness. Different edges can be made which will make your work unique.
The Scalloping Tool produces a high quality edge which reduces additional grinding and polishing work by up to 90%.
An optional positioning aid helps hold the tool in the correct position, making your scallops on circles or straight edges even more regular.
A detailed instruction manual makes working the tool easy (English Version in Section "GB").

STOCK NO.	Description	UNIT PKG.
210-3615	Scalloping Tool	ONE
210-3616	Spare Bit	ONE
210-3617	Positioning Aid	ONE



Glass Edge Chipper Tool

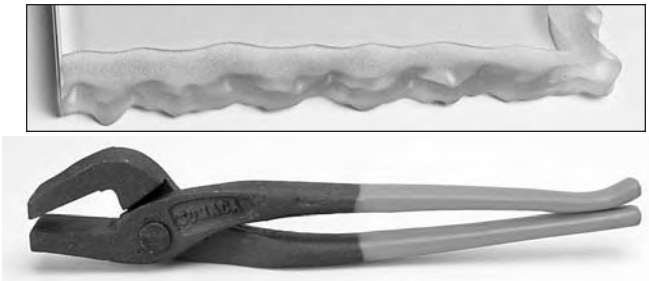


For producing a scallop or chip effect primarily on mirror and decorative glass edges. Chip size can be adjusted to the thickness of the glass. Double-ended carbon steel chipping bar can be turned around when one point gets dull. Chipping points can be resharpened. To scallop glass requires skill, dexterity and experience.

STOCK NO.	Description	Length	UNIT PKG.
230-4492	Complete Tool	8"	ONE
230-4493	Carbon Steel Chipping Bar		ONE

Heavy Plate Glass Pliers

Produces Ice Peak Glass Edge



A tool primarily designed for working with heavy plate glass, Carrara, Virtolite, etc., in all thicknesses up to 1". Easily controlled use with comfortable handles. A plier with rugged strength, perfect balance and easy workability.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
240-4555	14-3/8"	1-1/8"	4-1/4 lbs.	ONE TOOL

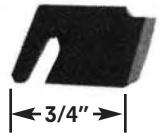
Plastic and Tile Cutting Tools

FLETCHER Heavy Duty Plastic Cutter



This tool is designed for heavy duty cutting of acrylic, formica, and other types of fracture-sensitive plastic sheets up to 1/4". Exclusively designed large "Power-Grip" handle permits a firm grip and gives up to 55% more pressure than other types of scoring tools. Tool cuts plastic easier with much less fatigue. Also cuts soft sheet metal.

STOCK NO.	Description	UNIT PKG.
210-4311	Heavy Duty Cutter w/Blade	ONE



CUTTER REPLACEMENT BLADES

STOCK NO.	Description	UNIT PKG.
210-4312	Packet of 10 Blades	ONE PKG.

Red Devil Plastic Cutter



A valuable tool for getting clean, accurate cuts in acrylic plastic sheets, tile board and some thin metal. It has a rugged plastic handle with a securely mounted steel blade. To score, always use a straight edge and position sheet over table edge. Start blade at the far edge and draw cutter smoothly over the length of sheet. Repeat score twice.

STOCK NO.	Description	UNIT PKG.
210-4370	Plastic Cutter	ONE

STANLEY Plastic Cutter Blades



This Stanley Scoring Blade converts the popular Stanley Utility Knife No. 210-4199 into a heavy duty plastic and formica cutting tool. Double edge blade. Blade will fit most utility knives.

STOCK NO.	Description	UNIT PKG.
210-4324	2 Scoring Blades	ONE PKG.

FLETCHER Heavy Duty Tile Cutter



Scores tile up to 1/4" thick.

STOCK NO.	Description	UNIT PKG.
210-5230	Tile Cutter	ONE
210-2555	Replacement Wheel - 114°	ONE

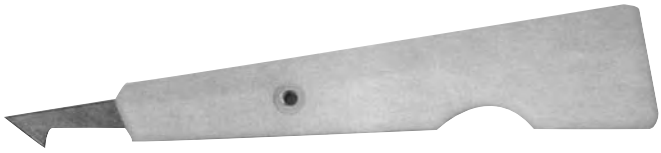
HYDE Plastic Cutter



This Hyde cutter cuts acrylic and all kinds of fracture-sensitive plastics, plus thin copper, aluminum and tin sheets. It has a solid blade with non-slip vinyl covered handle. Double tipped blade may be used horizontally or vertically. Handle has a vinyl cushioned grip.

STOCK NO.	Description	UNIT PKG.
210-4321	Plastic Cutter	ONE

SOMACA Fold-Up Plastic Cutter



Hardened steel cutting blade can be resharpened to maintain a sharp cutting edge and keep fracturing to a minimum. The blade folds easily into a compact plastic handle, providing safety while carrying and storing.

STOCK NO.	Description	UNIT PKG.
210-4325	Folding Plastic Cutter	ONE

FLETCHER ScoreMate™ Plastic Cutter



This high quality cutter is double-edged, with two precision ground scoring tips. Handle is vinyl coated for comfort.

STOCK NO.	Description	UNIT PKG.
210-4322	Plastic Cutter	ONE

Glass Tapper and Cutting Oil

Glass Run Tapper



A well balanced tapping hammer designed to start the "run" on freshly scored glass. The tool has a 3/4" diameter soft brass ball with deep set ferrule and a red hickory handle.

STOCK NO.	Description	Length	UNIT PKG.
230-4652	Tapping Hammer	8-3/4"	ONE

GUNK® Super Oil

Lubricates Glass Cutter Wheels and Moving Metal Parts



Gunk Super Oil is a premium light viscosity machine oil that protects and lubricates metal parts against wear, friction, corrosion and discoloration. We highly recommend Super Oil for use on steel and carbide glass cutting wheels; it will increase the wheel's cutting life, ability and performance. It is also recommended for lubricating watch and clock mechanisms, fishing reels, firearms, locks, springs, hinges, air tools, etc.

STOCK NO.	Size	UNIT PKG.
120-1003	4 oz. Bottle	ONE

Glass Cutting Oil

For Use On Hand Held Cutters and Automated Cutting Machines

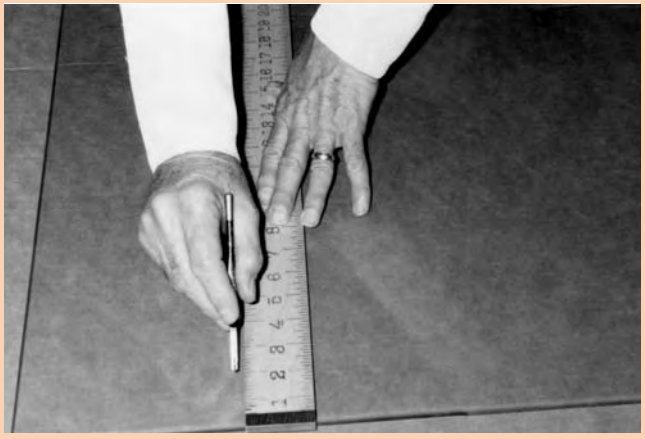


This fine oil lubricant was developed, initially, for glass shops that did a large amount of daily hand cutting of glass. It is now being used on automated glass cutting units. Somaca cutting oil helps to produce clear and concise cuts and promotes increased wheel life. It can also be used as a general lubricant for any sliding and rotating metal parts.

STOCK NO.	Size	UNIT PKG.
120-1010	1 Gallon	ONE
265-1013	1 Quart	ONE

Basic Glass Cutting Techniques





IMPORTANT: **Never cut a piece of glass with a brand new cutter. In order to break in a new cutting wheel, take a piece of scrap glass and run your cutter over it at least ten times until you hear a constant "cutting" noise throughout each cut.**

1. Wipe off or clean the glass thoroughly before starting. Be sure that the glass is flat and level on the table. Have table covered with felt or carpet for best results.
2. Use a straight edge, making allowance for 1/2 the width of cutter head when measuring.
3. Dip the wheel in a light oil or use an oil cutter.
4. Place the cutter between the index and middle fingers, thumb on the underside of the handle for stability.
5. Start the wheel on the far side of the sheet of glass (1/8" from far edge) and hold your cutter erect so that the wheel will revolve easily. Make a straight, even stroke. A continuous cut must be made across the entire surface of the glass or it will run to one side. Do not retrace a score.
6. Press just hard enough to make a fine hair line on the glass. If you press too hard, the glass will flake.
7. Run the cutter wheel entirely across the glass (allow your cutting wheel to drop off the panel).
8. To break the glass, hold the pane firmly between the first finger and thumb with both hands (side nearest to you) and give the glass a slight bend. It will "run" the entire length of the cut. Another method is to place the end of the cutter handle under the end of the cut on the side towards you and press down on glass at each side of cut with your thumbs. For breaking off narrow strips, use the breaker in the head of the cutter. For breaking plate or heavy glass, use SOMACA glass pliers (No. 210-5215), taking the pliers up to within 1/8" of the cut. Tapping the glass gently under the cut using a glass tapper will make the glass "run." (Always break the glass immediately after cutting).
9. Grind freshly cut glass on SOMACA upright abrasive belt sander, Stock No. 262-2000, for safety in handling, storage or installation.

Manually Operated Cutting Table

Manually Operated "Tilt-Top" Glass Cutting Tables

Fabricated in Sizes:
6′ x 8′, 8′ x 10′, 8′ x 12′, and 9′ x 12′



Standard Features Include . . .
- Indoor/Outdoor Carpet: Cushions Glass and Protects Against Scratches
- Counter Balance Pans: Fill with Cement or Bricks
- Retractable Wooden Toes: Support Glass in Vertical Position for Loading

Accessories . . .
- Air Flotation: Allows One Person to Move Large Lites of Glass
- Breaker Bar: For Easy Glass Breaking
- Replacement Carpet

Sommer & Maca's glass cutting tables are constructed of heavy gauge steel, electrically welded and painted. A full 3/4" smooth particle board table top and carpet is included.
All tables are custom built with tops pre-fitted and drilled. Tables are then disassembled and crated for shipping. Table top and carpet requires minimal assembly.
All tables have casters and are equipped with floor locks and retractable wooden shoes. The manually operated table is noted for its ease of operation. Counter-balance mechanism is designed for one person handling of large lites of glass. Tables are shipped knocked down without counterbalance weights. (Cement blocks or bricks are used for counterbalancing).

COUNTERBALANCED TILTING CUTTING TABLES

STOCK NO.	Table Size	Breaker Bar	Air Flow/12 Outlet (1HP) 1/60/120V	Air Flow/16 Outlet (3HP) 3/60/220V
240-2500	6 x 8			
240-2510	8 x 10			
240-2511	8 x 10	Included		
240-2512	8 x 10		Included	
240-2513	8 x 10	Included	Included	
240-2550	8 x 10			Included
240-2502	8 x 12			
240-2503	8 x 12	Included	Included	
240-2504	8 x 12	Included		
240-2543	8 x 12		Included	
240-2509	9 x 12			
240-2525	9 x 12	Included		Included
240-2544	9 x 12			Included

F.O.B. Cicero, IL. Other Sizes and Accessories Available Upon Request

Cutting Table, Flotation Unit & Supplies

Manually Operated Scissor "Tilt-Top" Glass Cutting Table

- **Easily Knocked Down for Transporting**
- **6′ x 8′ Space Saving Size**
- **Sturdy All Steel Construction - Carpet Top**



Manually operated scissor fold-up table is perfect for glass shops with limited floor space, or who only cut small glass lites. Constructed of steel for strength and durability. Table comes with a carpeted top, four swivel casters, two floor locks and two hardwood toes. The base has adequate space for supporting ballast containers. Shipped partially K.D.

STOCK NO.	Size	Weight	UNIT PKG.
240-2500	6′ x 8′ Table	300 lbs.	ONE

Ordering Replacement Carpet . . .



You can order two ways: **1)** For tables 8′ x 12′, or 9′ x 12′, order a pre-cut size 12′ x 13′, or **2)** For smaller tables, order by the linear foot. All carpet is sold 12′ wide.

STOCK NO.	Description	UNIT OF MEASURE
240-2553	Pre-Cut 12′ x 13′ Indoor/Outdoor Carpet	ONE ROLL
240-2551	Custom Length	LINEAR FOOT

Cutting Table Air Flotation Unit



Improve your cutting table's capabilities with an air flotation unit. Easy to install, it allows the user to float, move and turn glass on the table top. It features a self-contained blower system, hose, and 12 check ball outlets. A 230V, 3 phase, 3 HP model with 16 outlets is available on special order. Use with 3/4" table top. Holes must be 2-7/16".

STOCK NO.	Description	UNIT PKG.
240-2562	Air Flotation Unit - 120V	ONE
240-2563	Air Flotation Unit - 220V	ONE

FEIN Mini-Turbo Portable 6 Gallon Wet/Dry Vac

Features:

- **1-1/4" diameter hose**
- **Lightweight at 17-3/4 lbs.**
- **Quiet - 63 decibels**
- **Small but powerful, with 90 inches of static water lift**
- **16′ long cord and locking hose**



The Fein Mini-Turbo uses a unique dual fan motor to prevent electrical damage and extend life. The cloth bladder utilizes the capacity of the vacuum tank and allows for maximum filtration.

Accessories Included: Long 10-1/2′ x 1-1/4" hose, two hose extenders, elbow adapter with suction reducer, wide floor nozzle, smooth bottom attachment, rubber lip attachment, carpet brush attachment, crevice tool, upholstery tool, and cloth bladder. Can special order HEPA filter.

STOCK NO.	Tank Size	Wet Capacity	Dry Capacity	UNIT PKG.
209-5514	6 gal.	5.3 gal.	6 gal.	ONE UNIT

Bench Brushes



Two popular brushes are available. One features tampico fiber and the other a mixture of horsehair and tampico. Both brush fibers are stable set in a hardwood block. Brush face length is 9-1/2" with an overall length of 14".

STOCK NO.	Description	UNIT PKG.
213-1093	Tampico Fiber - 2" Trim	ONE
213-1094	Horsehair Blend - 2-1/2" Trim	ONE

Heavy Duty Dust Pan



Sturdy, one-piece construction dust pan, stamped from heavy gauge steel. It has a baked black enamel finish and is designed for rugged and lasting service.

STOCK NO.	Finish	Width	UNIT PKG.
213-1008	Baked Black Enamel	16"	ONE

Wood "L" Squares and Lip Rules

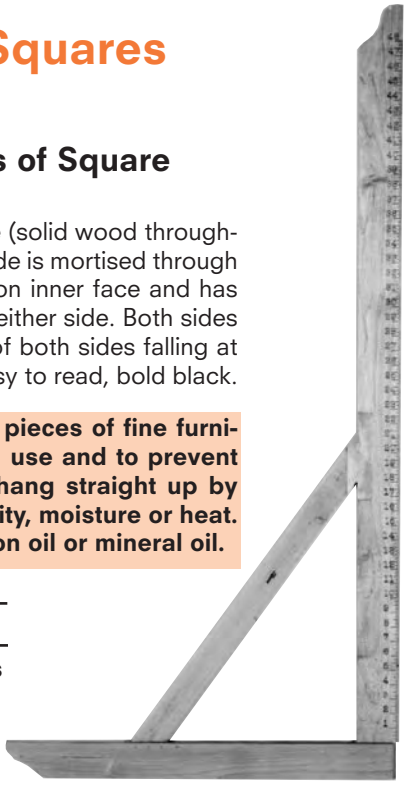


Glazier's Solid Maple "L" Squares

- **Solid Design for Long Use**
- **Inch Markings on Both Sides of Square**

These "L" squares are made of thoroughly seasoned maple (solid wood throughout), and have corner braces with brass side plates. The blade is mortised through and securely riveted into the stock. Stock is brass bound on inner face and has shoulder on both sides of blade so square can be used on either side. Both sides of rule are marked on outer edge in inches by 8ths with 0 of both sides falling at inside of stock. Lines and figures permanently marked in easy to read, bold black.

IMPORTANT: Treat wood rules and straight edges like pieces of fine furniture. Always take care not to physically abuse while in use and to prevent warpage while stored. Store rules flat on a table, or hang straight up by stock. Storage area must be devoid of excessive humidity, moisture or heat. Keep wood sealed with a periodic rubbing of pure lemon oil or mineral oil.



STOCK NO.	BLADE, INCHES			BASE, INCHES		
	Grad. Length	Width	Thickness	Length	Width	Thickness
210-5551	60"	3"	1/4"	30"	2-1/2"	13/16"
210-5552	48"	3"	1/4"	27"	2-1/2"	13/16"
210-5554	36"	3"	1/4"	27"	2-1/2"	13/16"

Glazier's Solid Maple Lip Rules



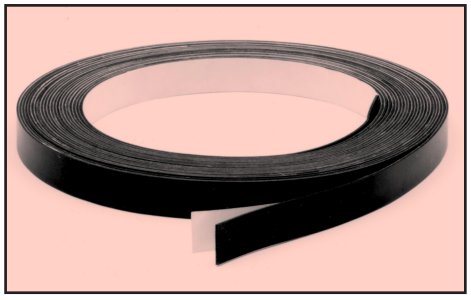
Extruded Brass Lip for a Solid Grip



These superior rules are fabricated from selected, seasoned maple and meticulously finished. Bold markings are embedded in the wood below the surface and black filled for easy reading. Large bold graduations are marked on both sides and edges in consecutive inches by 8ths. One end has a sturdy extruded brass lip - the other end has a brass cap.

STOCK NO.	Length	Width	Thickness	UNIT PKG.
*210-5714	120"	3"	3/8"	ONE
210-5716	96"	3"	3/8"	ONE
210-5718	72"	2-1/2"	3/8"	ONE
210-5720	48"	2"	3/8"	ONE

***OVER UPS LIMIT - SHIPPED BY MOTOR FREIGHT**



Grip Strip Tape

Prevents Glazier's Rules and Squares From Slipping

A specially formulated friction tape has one sticky side and is easy to apply. When affixed to wood or phenolic rules, it will help control slippage while scoring glass or acrylic.

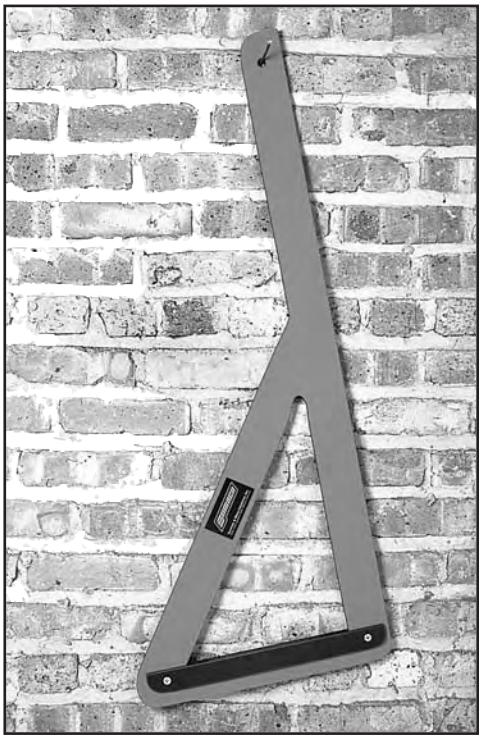
STOCK NO.	Description	Color	Size	UNIT PKG.
213-2400	Grip Tape	Black	1/2" x 25'	ONE ROLL

Phenolic "L" Squares and Rules

Glazier's Phenolic "L" Squares

Durable and Tough Straight Edges
Won't Fracture or Chip

- Superior Quality and Design
- Long Life Phenolic Resin
- Adjustable
- Economically Priced
- American Made and Designed

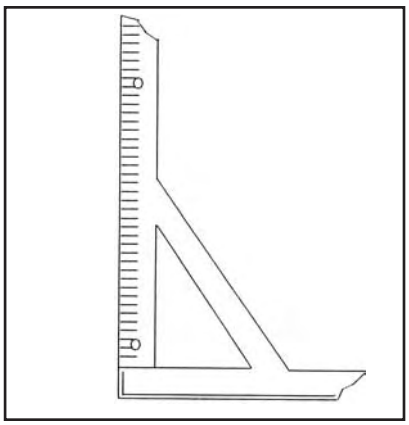


These scarlet, attractively priced "L" squares give the glazier the assistance needed to accurately score flat glass. They are made of tough, durable, high impact phenolic resin that will resist wear during many years of hard usage.

These squares have no calibrations or markings. All "L" squares can be shipped by UPS. Care should be taken when not in use. Always hang on a wall, straight up, utilizing the hang hole to prevent warping due to excessive heat or moisture.

STOCK NO.	Size	Base Length	Weight	UNIT PKG.
210-5724	24"	12"	1-3/4 lbs.	ONE
210-5736	36"	18"	3 lbs.	ONE
210-5748	48"	24"	4-1/2 lbs.	ONE
210-5760	60"	30"	6 lbs.	ONE

Budget Priced Molded "L" Squares



Heavy duty, plastic injection "L" square in wood grain finish. Has a cutting ledge on the bottom to assure a 90° score. Can be used right or left handed and has graduated markings. No adjustments needed.

STOCK NO.	Description	UNIT PKG.
210-5556	24" L Square	ONE
210-5557	37" L Square	ONE
210-5558	50" L Square	ONE



Glazier's Phenolic Straight Edges

These tough and durable phenolic straight edges are made to last and withstand rough handling and usage. There is never a worry about fracturing or chipping. The edges are ground meticulously to produce accurate cuts on glass. There are no numerical markings or calibrations on the face.
These rules are a must for every glass shop; five sizes are available. Phenolic rules present a substantial price savings compared to maple or aluminum rules.
All rules are 2-7/8" wide x 1/2" thick.

Always hang rules from a wall hook when not in use. Store rules away from excessive heat producing devices.

STOCK NO.	Size	Weight	UNIT PKG.
210-5704	48"	2-1/2 lbs.	ONE
210-5706	72"	4 lbs.	ONE
210-5708	96"	5-1/2 lbs.	ONE
210-5710 *	120"	6-3/4 lbs.	ONE
210-5712 *	144"	7-3/4 lbs.	ONE

*OVER UPS LIMIT - SHIPPED BY MOTOR FREIGHT ONLY.

Glass Scribers, Marking Pens and Pencils

SANFORD Sharpie® Marking Pens



211-3331



211-3341

These American-made markers write on anything - plastic, glass, ceramic, metal, enamel, wax paper, cellophane, rubber, leather, film, wood . . . and much more. Permanent ink, available in several colors and two point widths.

SOLD EACH

FINE POINT

STOCK NO.	Color	Ink	UNIT PKG.
211-3331	Black	Permanent	ONE PEN
211-3336	Red	Permanent	ONE PEN
211-3338	Blue	Permanent	ONE PEN

EXTRA FINE POINT

STOCK NO.	Color	Ink	UNIT PKG.
211-3341	Black	Permanent	ONE PEN
211-3346	Red	Permanent	ONE PEN

SANFORD SUPER Sharpie® Bold Point Marking Pen



This permanent ink marker will write on any surface, anytime. Quality ink is delivered through a pointed bold tip. The large round barrel shape fits comfortably in your hand. Perfect for creating signs or marking cartons.

SOLD EACH

STOCK NO.	Color	Ink	UNIT PKG.
211-3349	Black	Permanent	ONE PEN

China Markers



The ideal glass, plastic, ceramic and metal marker. Marks vividly and permanently, even on slick surfaces. Wipes off immediately with damp cloth. A pull-on tear string removes fiber paper for new point. Never dries out.

SOLD PER DOZEN

STOCK NO.	Dia.	Length	Color	UNIT PKG.
211-3446	3/8″	6-1/2″	Black	ONE DOZEN
211-3448	3/8″	6-1/2″	Red	ONE DOZEN
211-3450	3/8″	6-1/2″	Bright Yellow	ONE DOZEN

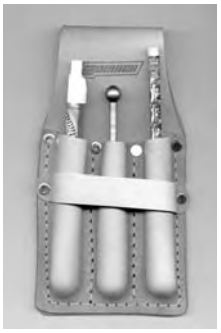
SOMACA Glass Cutter/Marker Pouches

Harness Leather



211-9330

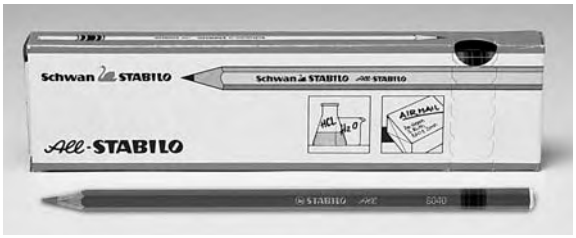
211-9350



Handy pouches made of extra heavy harness leather. Three pockets for holding glass cutters, glass markers or pencils, etc. Open-faced model or a riveted belt strap model for affixing a tape rule on the front. 1-1/2″ wide tunnel belt slot.

STOCK NO.	Size	UNIT PKG.
211-9330	6″ high x 3″ wide	ONE POUCH
211-9350	6″ high x 3″ wide	ONE POUCH

All-Stabilo® Marking Pencils



All-Stabilo marking pencils write on regular paper as well as glossy materials such as glass, metal, plastic and ceramics.

SOLD PER DOZEN

STOCK NO.	Length	Color	UNIT PKG.
211-3040	7″	Red	ONE DOZEN
211-3044	7″	Yellow	ONE DOZEN
211-3046	7″	Black	ONE DOZEN

Glass Scribing Pencils

For Marking on Glass, Metal and Acrylic Surfaces



Carbide Tip



Diamond Tip

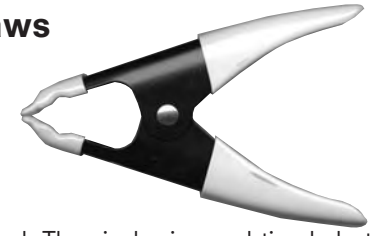
STOCK NO.	Length	Tip	UNIT PKG.
211-3483	6″	Carbide	ONE SCRIBE
211-3485	6″	Diamond	ONE SCRIBE

Spring Clamps and Vises

STANLEY® Spring Clamps

Ideal for Holding Straight Edge Rules

Vinyl Coated Jaws and Grips



Excellent Quality

Made of heavy gauge steel. The vinyl grips and tips help to prevent marring of work surface.

STOCK NO.	Length	Jaw Opening	UNIT PKG.
213-1161	4-1/16"	7/8" Coated	ONE
213-1162	6-1/8"	1-3/4" Coated	ONE

"Pony" Spring Clamps

Vinyl Coated Jaws and Grips



Good Quality

An all-purpose spring clamp for jobs requiring a strong, firm grip. Feature zinc-plated steel jaws and super-strong tempered steel springs for even pressure along clamped surface.

STOCK NO.	Length	Jaw Opening	UNIT PKG.
213-1080	6-1/4"	2" Coated	ONE
213-1082	9"	3" Coated	ONE

Coated Jaws with Uncoated Grips



Good Quality

STOCK NO.	Length	Jaw Opening	UNIT PKG.
213-1087	4"	1" Coated	ONE

Spring Clamp

Made of durable glass reinforced nylon for light weight and durability. They have non-slip handles with non-marring soft pads which are configured to hold odd shapes.



STOCK NO.	Max. Jaw Opening	UNIT PKG.
213-1170	1"	ONE
213-1172	2"	ONE
213-1174	3"	ONE

Solo One Hand Rule Clamp

Holds Straight Edges Securely





This unique clamp is ideal for clamping objects to be measured, cut, sawed, drilled, glued or repaired. Its grooved nylon jaws clamp and firmly hold objects, in seconds. It is trigger activated, just like a caulking gun, and a thumb release button instantly releases the clamping pressure.

STOCK NO.	Maximum Jaw Opening	UNIT PKG.
213-1836	4"	ONE

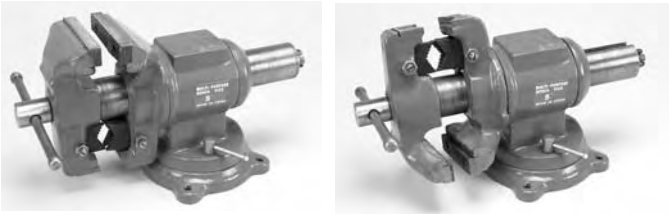
Plier C-Vise



Hardened steel C-clamp mounts anywhere. Holds any 10" or 12" vise grip-style locking pliers to make a portable vise. Perfect for welding, sawing, scraping, disassembly, etc. (Vise Grips must be ordered separately.)

STOCK NO.	Description	Length	UNIT PKG.
213-3210	C-Clamp		ONE
211-4510	Vise Grip Plier	10"	ONE

5" Mechanic's Bench Vise



This rugged, cast iron mechanic's bench vise features a large anvil surface for shaping and forming. It has a 5-3/8" maximum jaw opening and positive locks for easy positioning on a 360° swivel base. Jaws are replaceable.

STOCK NO.	Description	Weight	UNIT PKG.
213-1321	5" Bench Vise	24.5 lbs.	ONE

Tape Measures

Power Tape Rules



- 3/4" and 1" Wide Blades

Yellow Blade with Black and Red Figures

These precision steel tape rules have a clearsight yellow blade coating that is highly resistant to abrasion, chipping and most acids, alkalies and oils. Lightweight case has a removable belt clip and is virtually indestructible.

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9412	3/4"	12 ft.	ONE RULE
210-9416	3/4"	16 ft.	ONE RULE
210-9425	1"	25 ft.	ONE RULE

Lufkin® Series 1000 Power Tape Rules



- 3/4" Wide Blade

Yellow Blade with Black and Red Figures

A lightweight but durable, reasonably priced tape rule. Black matte ABS case with a positive toggle lock - holds the blade secure at any length. Blaze orange control lock with built-in shock absorber cushions blade return. Belt clip.

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9512	3/4"	12 ft.	ONE RULE

Lufkin® QuikRead Power Tape Rule

- Only Vertical Read Tape Available
- Fractions on Left - Decimal Equivalents on Right





- 1" Wide Blade

Yellow Blade with Black and Red Figures

Rounded royal blue case fits your hand for comfort. Rubber bumper absorbs shock of blade return, and Lufkin "Quad Hook" extends blade life. 3" base for inside measurements.

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9526	1"	25 ft.	ONE RULE

Lufkin® Mezurall® Manual Tape Rules



- 1/2" Wide Blade
- Economy Priced



- 1/2" and 3/4" Wide Blades
- Economy Priced

Yellow Blade with Black and Red Figures

1/2" and 3/4" blades rest in a rugged and comfortable-to-handle chrome case. The blade features large, black, easily read figures which contrast with yellow background. Belt clip.

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9223	1/2"	10 ft.	ONE RULE
210-9224	1/2"	12 ft.	ONE RULE
210-9234	3/4"	12 ft.	ONE RULE

Tape Measures

STANLEY® Professional Power Tape Rules

POWERLOCK®



• 3/4" and 1" Wide Blades

Yellow Blade with Black and Red Figures

Tape rules have a bright chrome finish case with belt clip. Exclusive POWERLOCK feature gives positive blade lock with no creeping. Rules have the slide lock up front for easy operation. Mylar clad yellow blade reduces friction and takes 3 to 10 times more abrasive wear than any other blade. Easy-to-read measurements are graduated in 16ths on both edges of one side with stud markings every 16" and 19.2". Tru-Zero hook feature. Data tables incorporated on back of 3/4" blades. 1" blades have 7' tape stand out.

3/4" WIDE BLADE

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9733	3/4"	10 ft.	ONE RULE
210-9734	3/4"	12 ft.	ONE RULE
210-9735	3/4"	16 ft.	ONE RULE

1" WIDE BLADE

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9740	1"	16 ft.	ONE RULE
210-9778	1"	25 ft.	ONE RULE
210-9730	1"	30 ft.	ONE RULE

Stanley LEVERLOCK® Power Tape Rules



• 3/4" Wide Blade

Yellow Blade with Black and Red Figures

A unique, compact 3/4" wide power tape rule. The LEVERLOCK features an automatic bottom lock. Bottom slides forward to retract tape. Yellow Mylar coated blade resists rust, abrasion, dirt and oils. Strong black ABS case. Tru-Zero hook slides to allow for its own thickness. Special slot in hook allows use of nail as pivot to draw circles and arcs. Data tables on back of blade.

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9753	3/4"	12 ft.	ONE RULE
210-9756	3/4"	16 ft.	ONE RULE

REPLACEMENT BLADES

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9930	3/4"	12 ft.	ONE BLADE
210-9931	3/4"	16 ft.	ONE BLADE

LEVERLOCK® "Hi-Vis" Green Power Tape Rule



• 1" Wide Blade

Yellow Blade with Black and Red Figures

Bright green case color makes this tape rule easy to locate. Mylar coated blade remains rigid up to 7' and also has the 3 rivet Tru-Zero hook feature. Squeeze automatic bottom lock to retract blade into case.

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9780	1"	25 ft.	ONE RULE

Tape Rule Holder

Harness Leather



• Holds Tape Rules 12' to 16'

This leather tape rule pouch has a safety snap strap to securely hold the tape rule when not in use. Belt slot accommodates 2" wide belts.

STOCK NO.	Description	UNIT PKG.
211-9556	Belt Slot: 2-3/4" Pocket: 2-3/4" x 2-3/4" x 1-1/4"	ONE HOLDER

Specialty Tape Measures / Stud Sensor

STANLEY® Power Tape Rules

FRACTIONALREAD®

- **Numerical Readouts Every 1/8″**
- **7′ Blade Standout**



Yellow Blade with Black and Red Figures

FRACTIONALREAD features numerical readouts every 1/8″. Polymer coated, high contrast markings on blade. Measurements are graduated in 16ths, with stud markings every 16″ and 19.2″. Yellow ABS textured case provides a non-slip grip. Durable 3 rivet hook. 3/4″ tape is not fractional.

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9736	3/4″	16 ft.	ONE RULE
210-9737	1″	25 ft.	ONE RULE

STANLEY® Stud Sensor

IntelliSensor™ Plus

- **Two Scanning Depths, Standard 3/4″ and 1-1/2″ Deep**
- **Locates Wood and Metal Studs and Joists**

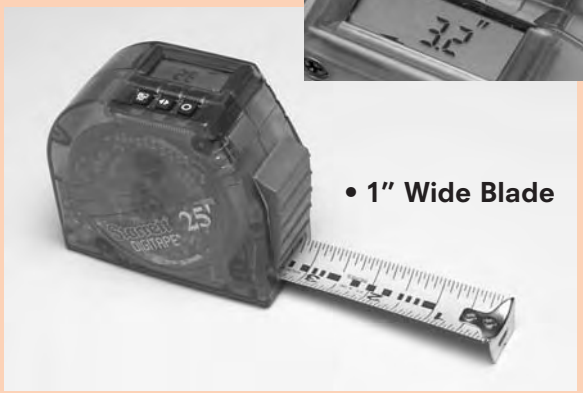


The IntelliSensor Plus features two scanning depths: standard 3/4″ and 1-1/2″ deep read with automatic calibration in both modes. Easily detects wood and metal studs and joists with LED display and audio horn that indicates stud edge and center position for accurate marking. Sturdy, black ABS case.

STOCK NO.	Description	UNIT PKG.
210-9738	Stud Sensor	ONE TOOL

Starrett® Digitape Power Tape Rule

- **Displays Inches, Feet, Fractions or Centimeters in Large Digital Figures**
- **Converts Between Standard and Metric**
- **Stores Measurement in Memory**



Easy-to-use Digitape offers remarkable electronic measuring ability. An internal optical sensor "reads" the black squares printed along the length of the blade (similar to a bar code), constantly recalibrating itself every 1-1/2″. The result is consistent and reliable accuracy. Digitape automatically adds the length of the case to inside measures and resets to zero at any blade position. Can also be used as a manual tape.

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9744	1″	25 ft.	ONE RULE

Glass Cutter/Marker Pouches

Harness Leather



211-9330

211-9350



Handy pouches made of extra heavy harness leather. Three pockets for holding glass cutters, glass markers or pencils, etc. Open-faced model or a riveted belt strap model for affixing a tape rule on the front. 1-1/2″ wide tunnel belt slot.

STOCK NO.	Size	UNIT PKG.
211-9330	6″ high x 3″ wide	ONE POUCH
211-9350	6″ high x 3″ wide	ONE POUCH

Glass Working Pliers

Drop Jaw Glass Pliers

#1 BEST SELLER



These economical pliers are heavy and full bodied, for work on glass up to 1/2" thick. Drop head jaw provides powerful leverage under slight hand pressure. Vinyl covered handle.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5215	8-3/4"	7/8"	11.2 oz.	ONE TOOL

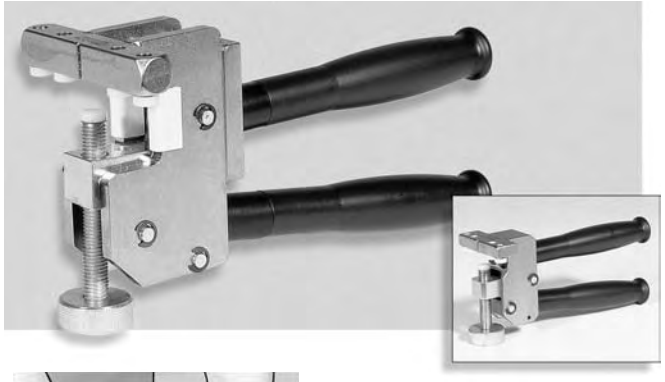
Glass Run Pliers

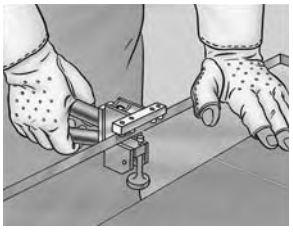


Designed to give a clean run on glass, these pliers feature a concentric jaw design that when placed directly over a score, will motivate a "run" by just squeezing the handles. A thickness adjusting screw allows correct pressure on glass up to 3/8" thick.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5110	8"	1"	11.2 oz.	ONE TOOL

Bohle Glass Breaking Pliers





Featuring an adjustment screw that adjusts the pliers precisely to the glass thickness for optimum load transmission - which means your scores are opened cleanly and quickly.

STOCK NO.	Description	Range	UNIT PKG.
210-2502	Heavy Duty	Up to 1"	ONE TOOL
210-2504	Medium Duty	1/4" to 5/8"	ONE TOOL

Flare Jaw Glass Pliers

#2 BEST SELLER



An extremely popular glass plier, sturdily made and well balanced. It's drop-forged with a polished head and "war-bow" vinyl coated handles. 1" jaw width.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5234	8"	1"	11.5 oz.	ONE TOOL

Soft Jaw Grozing Pliers



Soft jaw grozing pliers are made especially for working with thin or art glass. A must for stained glass work. Top angled jaw and curved lower jaw are serrated. Polished head.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5084	6"	3/8"	6.5 oz.	ONE TOOL

Straight Jaw Glass Pliers



This high quality, multi-use pliers is large enough to do all glass work, yet small enough to fit in pocket. Polished head.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5048	6-1/2"	7/16"	6.5 oz.	ONE TOOL

Flare Jaw Glass Pliers



An extremely popular style pliers that belongs on every work bench. Attractively priced, soundly made, balanced feel with polished jaws.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5210	8"	3/4"	12 oz.	ONE TOOL

Glass Run Pliers

Floating Jaw Glass Run Pliers



These pliers can be used on all thicknesses of glass from DS to 3/8". They are self-aligning, requiring no adjustments. Unique "floating block jaws" stay parallel to glass, allowing the glass to break perpendicular.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5194	9-3/8"	2"	1 lb.	ONE

3-Button Glass Run Pliers



Perfectly balanced pliers start the glass to run when pressure is applied by three 5/8" diameter vinyl buttons, two on the top jaw and one on the lower. The vinyl coated handles are spring controlled and create the required pressure to break the glass. Lower jaw width: 5/8". Upper jaw width: 1-7/8".

STOCK NO.	Length	Weight	UNIT PKG.
210-5115	9"	1 lb.	ONE

Silberschnitt Art Glass Run Pliers



Unique jaw design distinguishes this glass running pliers from all others. A swiveling hard vinyl pressure bar built into the front tip allows you to control the glass run simply by swiveling the bar in the direction of the cut. Lower jaw has a 1" vinyl disc with a centering point. A great tool for working on mosaic and thin art glass up to 3/16" thick. The perfect work table companion to the Zag-Zag cutter, Stock No. 230-4820.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5112	7-3/4"	3/8"	8 oz.	ONE TOOL

FLETCHER®

Glass Nip and Run Pliers

With Replaceable Jaw Inserts

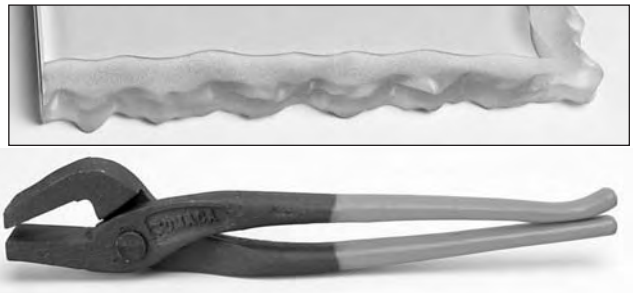


A high quality tool with superior action for cut running and break-out of glass to 1/4" thick. Made of molded, reinforced fiberglass for extra strength, leverage and less hand fatigue. If dropped, pliers will not break or fracture glass. Pliers come with a set of interchangeable plastic jaw inserts for cut running, a set of steel inserts for nipping.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5189	8"	1"	4 oz.	ONE
210-5190	Replaceable Cut Running Inserts			ONE PAIR
210-5191	Replaceable Nipping Inserts			ONE PAIR

Heavy Plate Glass Pliers

Produces Ice Peak Glass Edge



A tool primarily designed for working with heavy plate glass, Carrara, Vitrolite, etc., in all thicknesses up to 1". Easily controlled use with comfortable handles. Pliers with rugged strength, perfect balance and easy workability.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
240-4555	14-3/8"	1-1/8"	4-1/4 lbs.	ONE

Glass Offset Trim Pliers

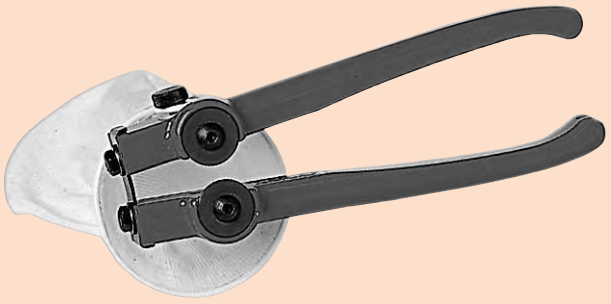


Designed by Somaca these glass pliers are made of forged steel and are used when trimming glass plate in tight places. Tool saves time and labor, eliminating unnecessary glass handling when close to ceiling, awning bars or window trim.

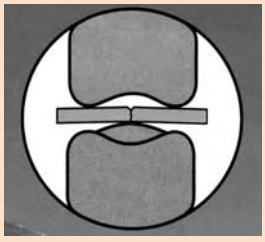
STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
230-4819	4-1/2"	1/2"	13 oz.	ONE TOOL

Glass Breakers & Rule Holders

ZAG-ZAG Glass Nipper
with Glass Run Handles



The Silberschnitt ZAG-ZAG nipper is useful for glass-nipping or cutting up to 1/4" thick. The two high grade carbide blades make this a precision tool.



By reversing the tool, the 1" wide handle ends can be used as glass run pliers.

Art glass workers will appreciate the attachable scrap bag. The bag can be reversed for right or left handed people. Art glass mosaic shapes are easy to create with this tool. Complete instructions included.

STOCK NO.	Description	UNIT PKG.
230-4820	Glass Nipper	ONE

Product Knowledge - Glass Terminology

Single Strength Glass: SS Glass, 1/16" thick, window glass.
Double Strength Glass: DS Glass, 1/8" thick, mirror and window.
Float/Plate/Annealed: Sizes range from 7/32" to 1" thick.
Mirror: Sizes range from 1/8" to 1/4".
Tempered Glass: Glass that is heat strengthened.
Laminated Glass: Between every two sheets of glass there is a sheet of polyvinyl butate, or PVB. Some examples are windshields, bulletproof and security glass.
Low-E or Low Emissivity Glass: A transparent metallic or metallic oxide coating is applied onto or into the glass surface, which reflects long-wave infrared energy and improves the U value of the glass.

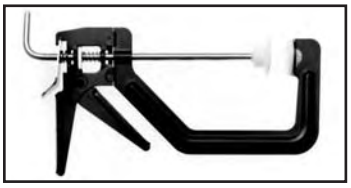
Offset Glass Breaker
For Notching 1/4" Glass



A glass breaking tool designed to overcome difficult glass positioning, such as notching glass under awnings, overhangs, division and corner bars. Glass does not have to be removed from sill. It's made of light weight aluminum alloy. Soft red vinyl covering on handle is for hand comfort.

STOCK NO.	Description	Length	UNIT PKG.
230-4221	Glass Breaker	6-1/4"	ONE TOOL

Solo One Hand Rule Clamp
Holds Straight Edges Securely





This unique clamp is ideal for clamping objects to be measured, cut, sawed, drilled, glued or repaired. Its grooved nylon jaws clamp and firmly hold objects, in seconds. It is trigger activated, just like a caulking gun, and a thumb release button instantly releases the clamping pressure.

STOCK NO.	Maximum Jaw Opening	UNIT PKG.
213-1836	4"	ONE

Glazier's Rule Holder



The rule holder is designed to firmly hold rules when executing long cuts. It alleviates the chance of rule slippage, once the base has been secured to the glass. The vacuum cup base, activated by a thumb pressure lever, holds the unit in place.

STOCK NO.	Description	UNIT PKG.
213-1829	Rule Holder	ONE

Putty Tool and Heat Gun Kits

Electric Putty Softener

- Saves Labor
- Saves Glass
- No Damage to Sash

UL Listed



This putty softener provides quick, effective putty removal. Made of aluminum and special Hi-Temp plastic, it is light in weight, yet very durable. Instead of using the old style coiled wire element (which has limited life), we use a safe calrod style element for longer life. The element is exposed on 3 sides so either right or left hand corners can be worked without rotating the tool. Electric: 120V AC, 3 amps, 350 watts.

STOCK NO.	Description	UNIT PKG.
230-2004	Electric Putty Softener	ONE TOOL

Dual Temperature Heat Gun Kit



- 570°F and 1000°F
- 4 Nozzles Included

Milwaukee heat gun has two settings, 570°F and 1000°F. It includes 4 specialized nozzles for a variety of tasks, such as concentrating, spreading or deflecting heat. Gun features a drop-resistant heating element.

Kit includes: heat gun, hook nozzle, window nozzle, air spreader, air reduction nozzle, and plastic carrying case.

STOCK NO.	Description	Mfg. #	UNIT PKG.
230-8980	Heat Gun Kit	8980	ONE KIT

Steinel® Hot Air Gun Kit

3 Stage Gun For:

- Putting Softening
- Melting Plastic Center in Laminated Glass
- Removing Paint
- Drying Paint
- Thawing Pipes



Versatile Window Nozzle



The Steinel Air Gun Kit contains everything you need to do a wide variety of jobs. The gun has two hot air stages and one cool air stage. The temperature stages can be selected conveniently with one hand use. Stage one is 120°, stage two 800° and stage three 1050°F. Three nozzles are furnished: a surface nozzle for air distribution over large surfaces; a window nozzle for softening putty, melting plastic in laminated glass or paint stripping; and the reduction nozzle pin points air to a concentrated spot. A scraping tool, with blades, is furnished along with a plastic storage case.

STOCK NO.	Description	Model	UNIT PKG.
230-2095	Hot Air Gun Kit	HL 1502 S	ONE KIT
230-2090	Hot Air Gun (Only)	HL 1502 5	ONE GUN
230-2091	Window Nozzle	07041	ONE NOZZLE

Leather Work Gloves

Smooth Finish



A tough, clute cut, cowhide work glove features a smooth, full leather palm and fingertips. Work gloves feature a double stitched cotton back, with fleece lined innards and a strong protective cuff.

Case Quantity: 6 Pair

STOCK NO.	Description	UNIT PKG.
240-4107	Safety Cuff/Leather Palm	ONE PAIR

Push Points and Pry Bars



Push Points

Zinc Coated Steel Points

- **Shaker Box 12 Package Display Carton Contains 50 Points per Package**
- **One Pound Bulk Carton Contains Approximately 1300 Points**

No special tools are needed. Simply push the points in with a putty knife, chisel or screwdriver. Points have super sharp edges for easy sash penetration.
Use push points for wood sash glazing, greenhouses, picture frames, and mirrors.

STOCK NO.	Description	UNIT PKG.
341-3517	12 Box Display with 50 Points per Box	ONE BOX
341-3518	1 lb. Bulk Approx. 1300 Points	ONE BOX

"Lil" Jimmie Moulding Chisel



Scrapes, Opens, and Prys

The all-purpose "Lil" Jimmie chisel has been the choice of glaziers, framers and carpenters for over 40 years. It is designed to remove wood mouldings without surface damage and is ideal for getting at weights in double hung windows, or for loosening stuck window frames. Use as a scraper, to drive points, and open cans. Tool has a nail slot.

STOCK NO.	Blade Width	Length	Weight	UNIT PKG.
213-4150	1-3/4"	9-5/8"	7 oz.	ONE TOOL

Mulligan Bar



Drives Points, Prys and Scrapes

Drive points and remove window and door sash mouldings with this handy, economically priced tool. Use to pry open stuck windows and wood boxes, scrape painted surfaces, pull nails or open cans. Made of high carbon tempered steel, the tool has ground edges and a nail slot.

STOCK NO.	Blade Width	Length	Weight	UNIT PKG.
213-4050	1-9/16"	9-5/16"	7 oz.	ONE TOOL

Glazier's Triangle Points

Zinc Coated Steel Points



Illustrations Actual Size



Size No. 0	Size No. 1	Size No. 2	Size No. 3
341-1000	341-1001	341-1002	341-1003

Triangle points are the standard of the glazing trade. Points are easily set with a chisel blade putty knife.

STOCK NO.	US Size	Quantity	UNIT PKG.
341-1000	No. 0	1 lb.	ONE BOX
341-1001	No. 1	1 lb.	ONE BOX
341-1002	No. 2	1 lb.	ONE BOX
341-1003	No. 3	1 lb.	ONE BOX

FLETCHER Point Drivers and Points



MultiPoint™ No. 5 Heavy Duty Point Driver and Points

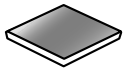
This rugged cast-iron point driver is used on sash, mirrors, and picture frames. Easy to load and operate, no tools are necessary when going from one point size to another. Simple construction - fewer parts to lessen jamming or misfiring. Firing mechanism shoots any diamond or triangle point with equal force to insure uniform penetration. It does not have to rest on the lightweight sash in order to operate. Shock absorbers eliminate operator fatigue, with a special trigger for more comfort.

STOCK NO.	Description	Weight	UNIT PKG.
230-1210	No. 5 Point Driver	1-3/4 lbs.	ONE DRIVER



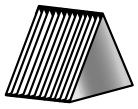
3/8" Long

No. 1 Diamond Points
Stock No. 341-2101



1/2" Long

No. 2 Diamond Points
Stock No. 341-2102



3/8" Long

No. 5ST Waxless
Stacked Triangle Points
4x better holding power
Stock No. 341-1212

STOCK NO.	Type	Quantity	Weight	UNIT PKG.
341-2101	No. 1	5000	1 lb.	ONE BOX
341-2102	No. 2	4000	1-1/4 lbs.	ONE BOX
341-1212	5ST	2700	1-1/4 lbs.	ONE BOX

BULK CARTONS

STOCK NO.	Type	Quantity	Weight	UNIT PKG.
341-2001	No. 1	45,000	10 lbs.	ONE CARTON
341-2002	No. 2	36,000	12 lbs.	ONE CARTON



FrameMaster® Point Driver and Points

The FrameMaster is a professional quality point driver that won't double feed or jam. This tool drives points into frames with ease. The magazine holds 100 stacked points which are driven into the frame, one at a time, flat against the glass surface.

STOCK NO.	Description	Weight	UNIT PKG.
230-1050	FrameMaster Point Driver	1-1/4 lbs.	ONE DRIVER

The FrameMaster uses either Glazier's or Framer's "Wax-Free" missile style stacked points. Their unique flat design guarantees secure, flat-to-the-surface holding. Framer's points 5/8" length provides 4 times more holding surface than brads. Glazier's points are smaller, so they can be easily glazed over.



3/8" Long

FRAMEMASTER
Glazier's Points
Stock No. 341-1025



5/8" Long

FRAMEMASTER
Framer's Points
Stock No. 341-1026

STOCK NO.	Description	Quantity	UNIT PKG.
341-1025	Glazier's Points	5000	ONE BOX
341-1026	Framer's Points	3000	ONE BOX

MultiMaster™ Point Driver & MultiPoint™ Fasteners

The MultiMaster fires one MultiPoint at a time without double feeding or jamming. It has an easy-to-load magazine, and holds approximately 167 MultiPoints per stack. Firing power can be adjusted to accommodate the density of the wood.

STOCK NO.	Description	Weight	UNIT PKG.
230-1055	MultiMaster Point Driver	1-1/4 lbs.	ONE DRIVER

MultiPoints are the best fasteners for "layered" (stacked) and "liner" mouldings. They provide deep penetration into all woods, and the twin barb design, with 50% more rigidity, increases holding power. Their unique bent angle provides flush-to-the-frame fit for quick, easy removal of even the tightest fitting glass. Uses 20% fewer points per frame.



STOCK NO.	Description	Quantity	UNIT PKG.
341-8975	MultiPoint Points	Approx. 3000	ONE BOX



Hand Tools and Points

FLETCHER PushMate™
Point Setting Hand Tool

This handy tool easily inserts push points, triangle points and diamond points into wood frames and window sash. Steel tool with vinyl covered handle.

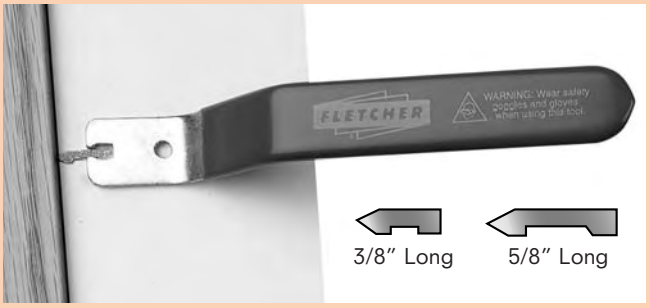
STOCK NO.	Description	UNIT PKG.
349-8976	PushMate	ONE TOOL



FLETCHER PullMate™
Point Removing Hand Tool

The PullMate removes Fletcher Framer's points from wood frames quickly and easily, lessening the chance of damage to the frame. Tool has a vinyl covered handle.

STOCK NO.	Description	UNIT PKG.
349-8977	PullMate	ONE TOOL



FLETCHER Waxless Spear Points
Use With FrameMaster™ Point Drivers




3/8" Long

FRAMEMASTER
Glazier's Points


5/8" Long

FRAMEMASTER
Framer's Points

These stacked spear points are designed to lay flat to hold glass firmly. They will not split frames or rip backing.

STOCK NO.	Description	Quantity	UNIT PKG.
341-1025	Glazier's Point	5000	ONE BOX
341-1026	Framer's Point	3000	ONE BOX

Saw Tooth Picture Hanger
2 Marking Points

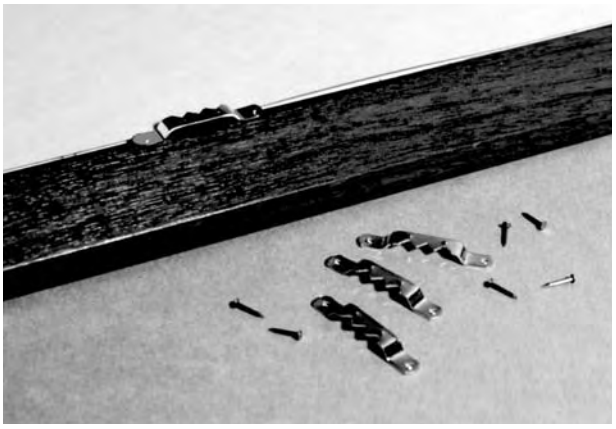




Illustration Actual Size

A medium gauge steel picture hanger with two raised marking points. Provides two useful features to take the guesswork out of picture hanging: (1) Permits side to side adjustment. (2) Marking points indicate exact spot on wall for placing nail or hook. All hangers furnished with nails.

STOCK NO.	Description	Quantity	UNIT PKG.
307-1557	Steel Hanger	100	ONE BOX
307-1580	Steel Hanger	1000	ONE BOX

Putty Knives and Scrapers

Stiff Bent Blade Putty Knives



No. 1 Seller!

Russell Brand: Heavy gauge tool steel blade, bent to a 35° angle, extends through wood handle.

STOCK NO.	Handle	Blade	Width	Bend	UNIT PKG.
210-7001	Wood	Stiff	1-1/8″	35°	ONE



Embee Brand: High carbon, tempered steel blade bent to 35°. One piece blade extends through plastic handle.

STOCK NO.	Handle	Blade	Width	Bend	UNIT PKG.
210-4243	Plastic	Stiff	1-1/4″	35°	ONE



Embee Brand: High carbon tool steel, 35° bent blade with a mirror finish. One piece blade extends through wood handle.

STOCK NO.	Handle	Blade	Width	Bend	UNIT PKG.
210-7328	Wood	Stiff	1-1/2″	35°	ONE



Russell Brand: Quality high grade steel, glaze finish. Bent to 35°. One piece blade extends through hardwood handle.

STOCK NO.	Handle	Blade	Width	Bend	UNIT PKG.
210-7416	Wood	Stiff	1-5/8″	35°	ONE



Embee Brand: High carbon tool steel blade bent to a 35° angle. One piece blade extends through hardwood handle.

STOCK NO.	Handle	Blade	Width	Bend	UNIT PKG.
210-7900	Wood	Stiff	2″	35°	ONE

Stiff Chisel Blade Putty Knife



No. 2 Seller!

Russell Brand: High grade mirror finish. Extra heavy gauge tool steel blade extends through hardwood handle. Heavy brass rivet and hanging grommet. Heavy metal bolster. Ideal for steel sash work, crack-filling, point and spackling.

STOCK NO.	Handle	Blade	Width	UNIT PKG.
210-7002	Wood	Chisel	1-1/4″	ONE



Embee Brand: This 5-in-1 tool scrapes flat and round surfaces. Versatile tool removes putty from sash, scrapes flaking and crevice hardened paint, opens surface cracks, drives window points, and cleans paint rollers.

STOCK NO.	Handle	Blade	Width	Length	UNIT PKG.
230-4123	Wood	Stiff	2-1/4″	7-1/4″	ONE

Putty Knife and Scraper



Handy 3-way tool is invaluable in reglazing windows. Chisel edge blade is excellent for removing excess putty, or applying new. Can also be used as a scraper. V-shaped end is used to form a smooth putty bead and open cans.

STOCK NO.	Description	Blade Width	UNIT PKG.
210-7305	3-in-1 Tool	1-1/4″	ONE

Window Zipper Tool



This tool has a stainless steel, saw-like blade set in a hardwood handle. It cuts through hardened paint or sealant which binds windows to sash or sills.

STOCK NO.	Description	Handle	UNIT PKG.
210-4046	Window Zipper	Wood	ONE

Putty Knives

Flexible Blade Putty Knives



Embee Brand (Super Economy): A low priced knife with a cold rolled steel blade inserted into a round wooden handle. Steel ferrule firmly locks blade.

STOCK NO.	Handle	Blade	Width	UNIT PKG.
210-7205	Wood	Flexible	1-1/8″	ONE



Russell Brand: Mirror finish blade. Heavy gauge steel blade extends through hardwood handle. Solid brass rivet and hanging grommet. Heavy metal bolster.

STOCK NO.	Handle	Blade	Width	UNIT PKG.
210-7003	Wood	Flexible	1-1/4″	ONE



Embee Brand: High quality 1-1/2″ flexible blade for hole patching or glazing. Economy plastic handle.

STOCK NO.	Handle	Blade	Width	UNIT PKG.
210-7204	Plastic	Flexible	1-1/2″	ONE

Flexible Blade Putty Knives



Box of 12

Red Devil Brand (Super Economy): This economical putty knife comes packed in a box of 12. It has a shatterproof injection-molded handle, and precision fitted 1-1/4″ wide steel blade.

STOCK NO.	Handle	Blade	Width	Contents	UNIT PKG.
210-7210	Plastic	Flexible	1-1/4″	12	ONE BOX

Stiff Blade Putty Knives



Russell Brand: High grade mirror finish. Heavy gauge tool steel blade extends through hardwood handle. Solid brass rivet and hanging grommet. Heavy metal bolster.

STOCK NO.	Handle	Blade	Width	UNIT PKG.
210-7004	Wood	Stiff	1-1/4″	ONE



Embee Brand: A professional style knife with a full tang, precision ground mirror finished blade. Blade is coated to prevent rust and corrosion. Solvent proof, durable black plastic handle.

STOCK NO.	Handle	Blade	Width	UNIT PKG.
210-4203	Plastic	Stiff	1-1/2″	ONE

Stiff Bent Blade Putty Knives



Embee Brand: This 20° narrow blade knife is ideal for vertical glazing. It has a one piece, high carbon steel blade riveted to a polished hardwood handle. Knife has a heavy metal holster and hanging grommet.

STOCK NO.	Handle	Blade	Width	Bend	UNIT PKG.
210-7280	Wood	Stiff	3/4″	20°	ONE



Embee Brand: Identical in width and style to 210-7280, but has a 35° bent blade. Ideal tool for bench glazing.

STOCK NO.	Handle	Blade	Width	Bend	UNIT PKG.
210-7282	Wood	Stiff	3/4″	35°	ONE



Embee Brand: A leading seller and most universal glazing tool. One piece, high carbon tool steel 20° bent blade.

STOCK NO.	Handle	Blade	Width	Bend	UNIT PKG.
210-7121	Wood	Stiff	1-1/8″	20°	ONE

Glazing and Putty Removal Tools

EZ Glazer™ Pizza-Style Cutting Tool

Cuts Silicone, Foam Tape, and Other Flexible Bedding Compounds





Replacement Blade

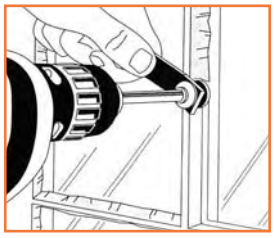
Eliminate the need for putty or razor knives with the EZ Glazer. This "pizza-style" cutter has a 2-1/2" diameter blade designed to slice through silicone, foam tape, butyl tape and other flexible bedding materials. The cutting blade lies flat on the glass surface and slides into the glazing pocket. Tool has a plastic guard to protect user's hand. Blade and hand guard are replaceable.

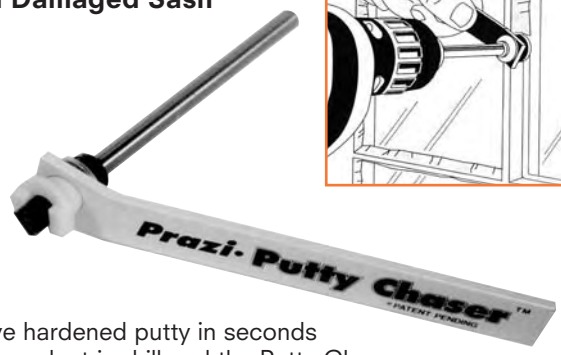
STOCK NO.	Handle	Overall Length	UNIT PKG.
210-4000	Plastic	9"	ONE TOOL

STOCK NO.	Description	UNIT PKG.
210-4001	2-1/2" Dia. Replacement Blade	ONE BLADE

Putty Chaser™ Cutting Tool

- **Adapts to any 2000-3000 rpm, 1/4" or 3/8" Electric Drill**
- **Prevents Broken Glass and Damaged Sash**





Remove hardened putty in seconds with your electric drill and the Putty Chaser. Tool attaches to the drill chuck, then cuts through the hardened putty as user holds handle to guide tool along window sash. Solid carbide cutter leaves a smooth wood finish.

STOCK NO.	Description	Overall Length	UNIT PKG.
200-9015	Putty Chaser	6"	ONE TOOL

Glazing Chisel



This Stanley® chisel can take a pounding. It is made of forged alloy hardened steel with a hi-impact handle.

STOCK NO.	Blade Width	Overall Length	UNIT PKG.
230-4056	2"	9"	ONE CHISEL

Mill Hacking Knife



A heavy knife with a thick blade and a glaze finish. Excellent for removing tough putty in sash and frames. Blade extends through handle, has a broad back, and is flanked with leather to give a safe, comfortable grip.

STOCK NO.	Handle	Blade Size	Length	UNIT PKG.
230-4071	Leather	1-1/4" x 4"	8"	ONE KNIFE

Heavy Duty Glazing Chisel and Scraper

Fixed Blades are 7" Long



Heavy duty scrapers can be used to remove old putty and dried weatherstripping from frames and for scraping metal surfaces. Rugged steel shaft set in plastic handle.

STOCK NO.	Blade Width	Overall Length	UNIT PKG.
230-4483	1"	11-1/4"	ONE TOOL
230-4484	1-1/2"	11-3/4"	ONE TOOL

Fein Sealant Cutter Tool

Fein Oscillating Sealant Cutter and Blades



A Variety of Uses:

- **For trouble-free removal of insulating glass installed in putty**
- **Remove putty from single-pane and countersash windows**
- **Separate panes of insulating glass**
- **Remove old window frames from wall**
- **Remove sealant from expansion joints**





Removes old double glazing from putty bed.

STOCK NO. 200-1591
The Fein sealant cutter kit incudes tool and 2 segment blades (1-201-1171 and 1-200-3128).



Removes insulating glass from frame as a single piece.



Separates old panes of insulating glass.

FEIN CUTTER BLADES - SOLINGEN STAINLESS STEEL
(Blades work with any Fein tool)

STOCK NO.	Mfg. #	Style	Contents
200-0166	166	Segment Blades	2
200-1111	111	3-1/8" Blade	1
200-2110	110	4" Blade	1
200-3128	128	Mushroom Blades	5
201-1273	116	Straight Caulk Blades	5
201-1590		Fein Tool Only	1



200-0166
Segment saw blade (offset), is for removing insulating glass installed on a putty bed.



200-1111, 200-2110
Offset saw blade with countersunk fastening screw for working flush with surface. Can be used for sawing sheet metal, wood, putty, plastic, and removing panes installed on extremely hard putty.



200-3128
Mushroom shaped blade is for separating panes of insulating glass and for cutting silicone, soft putty, and elastic joint sealant.



201-1273
Straight, elongated blade for removing flexible sealing compounds in extremely deep joints.

Window Knives and Brushes

Utility Knives



Heavy Duty - Fixed Blade - Positive Blade Retention

Modeled after the old standby knife, our utility knife features a heavy duty die-cast aluminum handle with a fixed blade. Uses Somaca blade 210-4910, or Stanley blade 210-4912.

STOCK NO.	Description	Finish	UNIT PKG.
210-0799	Tool with 1 Blade	Aluminum	ONE KNIFE



Medium Duty - Retractable Blade - Positive Blade Retention

A button projects and retracts blade to three positions. Lightweight die-cast handle provides blade storage. Furnished with 2 heavy duty blades. Uses Somaca blade No. 210-4910, or Stanley blade No. 210-4912.

STOCK NO.	Description	Finish	UNIT PKG.
210-4115	Tool with 2 Blades	Charcoal	ONE KNIFE

STANLEY® Utility Knife

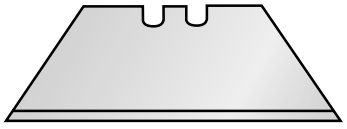


399™ - Medium Duty - Swivel Lock Handle

Just push the button to open swivel knife. Replacement blades are stored in handle. Handle features comfort contour design for easy cutting. Rugged, die-cast aluminum body. Use Somaca blade 210-4910, or Stanley blade 210-4912.

STOCK NO.	Description	Finish	UNIT PKG.
210-4295	Tool with Blades	Gray Enamel	ONE KNIFE

Utility Knife Blade Dispensers



100 Trapezoid Style Blades



STOCK NO.	Description	Contents	UNIT PKG.
210-4902	Stanley 5-Pack	5 Blades	ONE CARD
210-4912	Stanley Dispenser	100 Blades	ONE
210-4910	Somaca Dispenser	100 Blades	ONE
210-4911	20 Somaca Dispensers	2000 Blades	ONE CTN.

STANLEY® Utility Knife



99™ - Medium Duty - Retractable Blade

A button projects and retracts blade to three positions - full, half, and one quarter. Lightweight die-cast handle is in two sections, providing blade storage. Furnished with heavy duty blades. Individually carded. Use Somaca blade 210-4910, or Stanley blade 210-4912.

STOCK NO.	Description	Finish	UNIT PKG.
210-4110	Tool with Blades	Gray Enamel	ONE KNIFE

Putty Scrub Brush



This brush is made on a squared end hardwood block with tampico fibers. Excellent for cleaning lead glass panels after puttying or plastering.

STOCK NO.	Size	Trim	UNIT PKG.
213-1095	8" x 2-3/4"	1-1/8"	ONE BRUSH

Horsehair Blend Bench Brush



A superlative bench brush with quality blend of 2-1/2" brown horsehair bristles fastened with plastic staples.

STOCK NO.	Texture	Brush Length	Overall Length	UNIT PKG.
213-1094	Horsehair	9-1/2"	14"	ONE BRUSH

Heavy Duty Dust Pan



Sturdy, one piece construction dust pan, stamped from heavy gauge steel. It has a baked, black enamel finish and is designed for rugged and lasting service.

STOCK NO.	Finish	Width	UNIT PKG.
213-1008	Baked Black Enamel	16"	ONE PAN

Glass Scrapers and Knives

Heavy Duty Glass Scraper



This tool removes paint, glue, tape residue and stickers from glass. Push button control positively locks single edge blades in a scraping position or retracts into steel handle. Glass scraper has a longer handle than similar scrapers, thereby keeping fingers away from the blade. Use Somaca blade No 210-4515.

STOCK NO.	Description	UNIT PKG.
210-4122	Aluminum Scraper	ONE SCRAPER
210-4515	100 Straight Side Blades	ONE BOX

Long Neck Glass Scraper

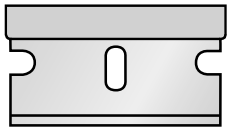


An ingeniously designed tool invaluable for removing decals or stickers from glass. It is also excellent for removing overlap paint, adhesives, and tape residue from windows. Uses No 210-4515, or 210-4502 single edge blades.

STOCK NO.	Description	UNIT PKG.
210-4120	11″	ONE SCRAPER
210-4502	100 Notched Blades	ONE BOX

Single Edge Industrial Blades

Notched Side Blades



Rectangular, notched side blades made specifically for the glass trade. Honed and ground of surgical steel, the perfect blade for cutting copper foil strips and glass patterns.

STOCK NO.	Contents	UNIT PKG.
210-4502	100	ONE BOX
210-4503	1000	ONE PKG.
210-4517	5000	ONE CTN.

Breakaway Trim Knife



Knife features a break-away blade that provides 13 new sharp points. Simply snap-off old point, and have a new point instantly. The plastic handle has a magazine for blade storage. Comes complete with scoring blade strips, also has blade lock and pocket clip.

STOCK NO.	Description	UNIT PKG.
210-4292	Tool with Blades	ONE KNIFE
210-4913	50 Replacement Blade Strips	ONE PKG.

Mill Hacking Knife



A heavy knife with a thick blade and a glaze finish. Excellent for removing tough putty in sash and frames. Blade extends through handle, has a broad back, and is flanked with leather to give a safe, comfortable grip.

STOCK NO.	Handle	Blade Size	Length	UNIT PKG.
230-4071	Leather	1-1/4″ x 4″	8″	ONE KNIFE

Flooring Knives



No. 210-4024 - 2-1/2″ Blade



No. 210-4025 - 3-1/2″ Blade

Professional knives feature a high carbon tool steel blade that is precision angle sharpened, with a glazed finish. The burnt finished hardwood handle has a plated rivet. Excellent tool for cutting linoleum, roofing and other flexible materials.

STOCK NO.	Length	UNIT PKG.
210-4024	2-1/2″ Blade	ONE KNIFE
210-4025	3-1/2″ Blade	ONE KNIFE

Don Carlos Curved Lead Knife



A superb German tool designed for lead glazing work. Precision ground, Herder-Solingen steel blade, and black wood handle with polished lead inlay. Knife has weighted end for balance.

STOCK NO.	Length	Weight	UNIT PKG.
230-4011	8″	6 oz.	ONE KNIFE

Putty and Glazing Compound

Wonder® All Purpose Putty

Available in White and Aluminum Gray For Wood and Metal Sash



Wonder Putty® is a superior product, manufactured and pre-mixed for professional glaziers. It's the glass industry's choice for bedding and setting glass in wood and metal sash. It has a smooth flowing texture and goes onto the sash smoothly and evenly, without drag or stretch. It will not adhere to putty knives, eliminating bead bumps. After application, it forms an even finish and a strong bond. Putty is available in white and aluminum gray.
The putty comes in factory sealed containers that preserve freshness and shelf life. Cans are attractively labeled for over-the-counter retail sales. Meets standard spec. TT-G-410-E.

COLOR: White				
STOCK NO.	Description	Can Wt.	Case	UNIT PKG.
336-2065	1/2 Pint Can	14 oz.	12	ONE CAN
336-2066	1 Pint Can	1.75 lbs.	12	ONE CAN
336-2067	1 Quart Can	3.5 lbs.	6	ONE CAN
336-2068	1 Gallon Can	15 lbs.	2	ONE CAN
336-2069	3-1/2 Gallon Can	50 lbs.	1	ONE CAN
336-2070	5 Gallon Pail	75 lbs.	1	ONE PAIL

COLOR: Aluminum Gray				
STOCK NO.	Description	Can Wt.	Case	UNIT PKG.
336-2071	1/2 Pint Can	14 oz.	12	ONE CAN
336-2072	1 Pint Can	1.75 lbs.	12	ONE CAN
336-2073	1 Quart Can	3.5 lbs.	6	ONE CAN
336-2074	1 Gallon Can	15 lbs.	2	ONE CAN
336-2075	3-1/2 Gallon Can	50 lbs.	1	ONE CAN
336-2076	5 Gallon Pail	75 lbs.	1	ONE PAIL

Glazing Compounds

Glazing Compound No. '33'

White



Sticks Tightly to Glass and Wood or Metal Sash

DAP '33' Glazing is the foremost name in glazing compounds. It's a long-lasting compound for face glazing wood and metal sash. Smooth and ready mixed, DAP outlasts ordinary putty. It sticks tight to glass and sash for air-tight, watertight seals. DAP also stays flexible, resists cracking and allows for expansion and contraction.

STOCK NO.	Color	Contents	Can Wt.	Case	UNIT PKG.
336-2025	White	1/2 Pint	1.25 lbs.	12	ONE CAN
336-2026	White	Pint	2.4 lbs.	12	ONE CAN
336-2027	White	Quart	4.75 lbs.	6	ONE CAN
336-2028	White	Gallon	18 lbs.	2	ONE CAN
200-2124	White	3-1/2 Gallon	60 lbs.	1	ONE PAIL

Latex Window Glazing

Square Cut Nozzle
White



Dap Latex is a weathertight, durable seal for glazing wood, metal and aluminum sash. The square cut spout makes window glazing easy. Latex material dries to touch in two hours, and resists sagging, cracking and chalking. Paintable. Cleans up with soap and water. Meets ASTM Spec. C-669-95.

STOCK NO.	COLOR: White Contents	Case	UNIT PKG.
200-2049	10.3 fl. oz.	12	ONE CARTRIDGE

Glazing Compound No. '1012'

Aluminum Gray



DAP '1012' Glazing Compound sets quickly and smoothly without priming. It's colored to match metal finishes and doesn't need painting. Formulated especially for face glazing on aluminum, steel and galvanized metal sash. '1012' is easily applied with a putty knife or spatula, and is widely used by stained glass craftsmen to fill in space between glass and lead came. This product meets Federal Specs. TT-G-410E and C-699 CID-A-A373A.

STOCK NO.	Color	Contents	Can Wt.	Case	UNIT PKG.
336-2045	Alum. Gray	Quart	4.8 lbs.	6	ONE CAN
336-2050	Alum. Gray	Gallon	19 lbs.	2	ONE CAN

Red Devil Acrylic Glazing Compound

White



This siliconized acrylic formula creates a durable, watertight bond to most interior/exterior surfaces and stays flexible for years. Paintable. Cartridge has an easy applicator tip that provides excellent gunnability. Water clean up. Meets ASTM Spec. C-669-95.

STOCK NO.	COLOR: White Contents	Case	UNIT PKG.
336-2666	10.1 fl. oz.	12	ONE CARTRIDGE

Laser Alignment and Measuring Tools

Pacific Laser Systems Alignment Tools

PLS^5 • 5 Point Laser

Automatic Plumb, Level and Square

The PLS^5 allows the user to layout and square faster than ever before. It emits 5 laser beams at one time: up and down for plumb, both sides and straight ahead for level and square. It automatically levels itself when it rests within 8° of true level. Even if the wall or floor being used is extremely out of level, the PLS will still give a true reading. Weighs 1.7 lbs.

Specifications:
Light Source: semiconductor laser diode 630-650 nanometers visible
Working Range: ±100 feet
Accuracy: maximum error each beam - less than 1/8" at 100'
Square: less than 1/8" at 100'
Leveling: automatic, ± 8° range
Power Supply: 3 AA batteries, alkaline or Ni-Cd rechargeable
Operating Time: +30 hours
Dimensions: 2-1/2" x 6-1/2" x 4-1/4"



TOOL INCLUDES:
floor mount, magnetic wall mount, floor target for layouts, operating manual, and a plastic carrying case.

STOCK NO.	Description	UNIT PKG.
200-2000	PLS^5 Laser	ONE TOOL

PLS^3 • 3 Point Laser

Self Leveling

Specifications:
Light Source:
semiconductor laser diode 630-650 nanometers visible
Working Range: ±100 feet
Accuracy: maximum error each beam - less than 1/4" at 100'
Leveling: automatic, ± 6° range
Power Supply:
3 AA batteries, alkaline or Ni-Cd rechargeable
Operating Time: +30 hours
Dimensions: 1-3/4" x 5" x 3-1/4"

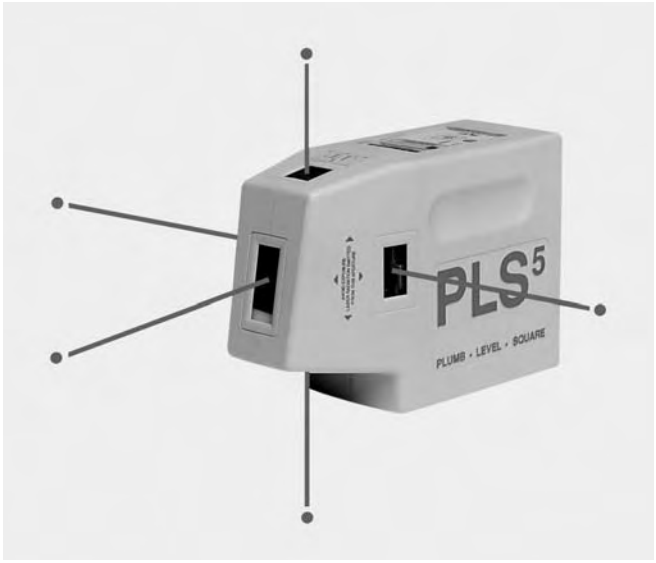


Floor Stand

A smaller version of the unit above, the PLS^3 emits three beams, up and down for plumb and forward for level. Lightweight unit weighs only 12 oz.

TOOL INCLUDES:
floor stand, leather belt pouch and operating manual.

STOCK NO.	Description	UNIT PKG.
200-2003	PLS^3 Laser	ONE TOOL



Pacific Laser Systems Distance Measuring Tool

PLS^1

• 1/8" Accuracy at 300'



Measures:
Distance, areas, volumes, height differences
Can Also:
Add, subtract, and multiply

Specifications:
Laser Visible: 635 nanometers
Working Range: 0.3m to over 100m (1-300 ft.)
Accuracy: typical ± 3mm, maximum ± 5mm (1/16" - 1/8")
Power Supply:
4 AAA batteries, alkaline or Ni-Cd rechargeable
Operating Time: + 3000 measurements
Dimensions: 2-1/2" x 6-3/4" x 1-1/2"

This hand held tool allows contractors, architects, estimators and project managers to take critical layout measurements accurately and dependably with the press of a button. The PLS^1 is battery powered and is designed for indoor and outdoor applications.

TOOL INCLUDES: batteries, nylon mesh belt pouch and operating manual.

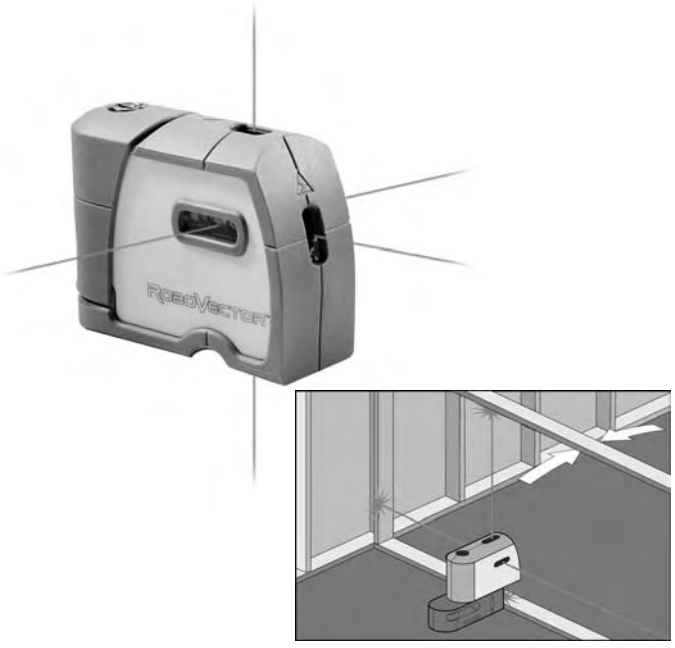
STOCK NO.	Description	UNIT PKG.
200-2002	PLS^1 Laser	ONE TOOL

Alignment and Rotary Laser Tool

RoboVector™ Laser Alignment Tool

The Instant 100′ Square, Plumb & Level

- **Unit is Self-Leveling**
- **Out-of-Level Sensor Alert**
- **Precision, Diamond Cut Beam Splitter**
- **Attaches Anywhere with Attachment Accessory**



Specifications:
Light Source: laser diode 635 nanometers
Working Range: ±100 feet
Accuracy: maximum error each beam - less than 1/8″ at 100′
Leveling: automatic, ± 4° horizontal, ± 10° vertical
Power Supply: 3 AA batteries, alkaline or Ni-Cd rechargeable
Dimensions: 4″ x 3″ x 1-1/2″

The RoboVector emits five 90° laser beams at the same time to grade, level, square and plumb transfer. Unit easily aligns and squares windows and door frames; use also to plumb walls and posts. It utilizes gravity to constantly self-level, and alert flashes if unit is out of level for any reason.
Features an exclusive diamond cut, single piece beam splitter, that maximizes accuracy and perpendicularity. The unit magnet locks on steel studs, can be strapped or clamped to door jambs, screws to walls and studs, and attaches to all common tripods.

TOOL INCLUDES:
multipurpose attachment accessory, targets, laser enhancement glasses, and kit box.

STOCK NO.	Description	UNIT PKG.
200-2015	RoboVector Laser	ONE TOOL

RoboLaser™ Rotary Laser

3-Speed Powered Remote with 100′ Range

- **Control Laser from Application Location with Remote Control**
- **Full 360° Rotation**
- **Out-of-Level Sensor Alert**
- **Use Indoor and Outdoor**



Specifications:
Light Source: laser diode 635 nanometers
Working Range: ±100 feet
Accuracy: less than 1/8″ at 100′
Leveling: automatic, ±10°
Power Supply: 4 AA batteries and one 9 volt battery

RoboLaser is a one person leveling crew. Remote control device allows user to control the laser from the application location using 3 speeds at a range of 100′. The laser dot is visible at 100′, even in bright sunlight, with no detector required. The out-of-level sensor flashes laser beam to alert user if unit is out of level for any reason.
Laser unit utilizes gravity to constantly self-level. This eliminates set-up time typical of manually leveled units and other problems such as vibration, accidental contact and fluctuations in temperature.

TOOL INCLUDES: remote control, laser enhancement glasses, target and kit box.

STOCK NO.	Description	UNIT PKG.
200-2014	RoboLaser	ONE TOOL

Lasers and Mounting Pole

LaserJamb™ Q2 Laser

Level and Plumb in 2 Seconds

- **Use Horizontal and Vertical Lines Together or Separately**
- **360° Rotating Base**
- **Self-Leveling**

Use With the LaserJamb Mounting Pole



Specifications:
Light Source:
laser diode 635 nanometers, 5w
Working Range: ± 60 feet
Accuracy: ± 1/16" at 30'
Leveling: automatic, ± 10°
Power Supply: 2 AA batteries
Battery Life: ± 16 hours

Primarily designed for interior use on walls, flooring, cabinets, electrical, etc. Get instant cross hairs exactly where you want them, with pinpoint accuracy.

STOCK NO.	Description	UNIT PKG.
200-2009	LaserJamb Q2 Laser	ONE TOOL

LaserJamb™ Q-PRO Multi-Line Rotary Laser

Specifications:
Light Source:
laser diode 635 nanometers
Working Range: ±1000'
Accuracy: ± 3/16" at 100'
Leveling: automatic, ± 10°
Power Supply: 2 D batteries



Use With the LaserJamb

The Q-Pro is totally automatic in both horizontal and vertical modes. In addition to a rotating point, lasers also project a solid non-scanning "chalk-line," a sharp and precise laser line ideal for alignments, partitions and ceiling applications.

TOOL INCLUDES: remote control, target, laser bracket, laser enhancement glasses and case.

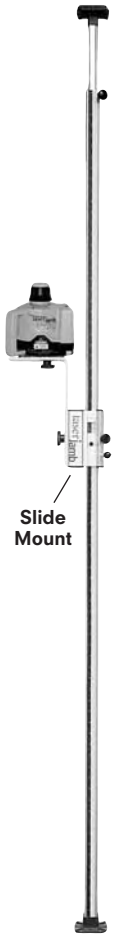
STOCK NO.	Description	UNIT PKG.
200-2016	LaserJamb Q-PRO Rotary Laser	ONE TOOL

LaserJamb™ LJ² Pro Adjustable Laser Mount

Easily Mount a Variety of Lasers

- **Fast and Easy Setup**
- **Work Easily in Confined Areas**
- **Reaches 12' High, With 32" Extension**





Position any laser from a level as low as 3" to heights of 148" in seconds with the adjustable LaserJamb. The LaserJamb is a 6-1/2' aluminum extrusion with an inside extension that expands to 12' high. A laser easily mounts on a bracket that slides smoothly up and down the main extrusion. Two knurled knobs level the unit, while two smaller knobs let you quickly mount and dismount the laser. Unit can be positioned in the corner of a room or to the edge of a doorjamb, keeping it out of your way as you work. Comes with SoloMount attachment for free standing applications.
(Laser sold separately).



TOOL INCLUDES:
two-piece LaserJamb (with 12' height capacity), 32" extension pole, SoloMount, 5/8" brass insert, self-centering drill bit and pin stop system, foam lined case, instruction manual and video.

STOCK NO.	Description	UNIT PKG.
200-2008	Laser Mount	ONE TOOL

STANLEY®

IntelliMeasure™ Estimator

Red Laser Pointer with 50′ Range





- **Measuring Time: 2-6 Seconds**
- **Low Battery Indicator**
- **Incorporates: Access and Volume Calculation, Memory Storage and Recall, Automatic Summing of Measurements**
- **English and Metric Readout**

Specifications:
Working Range: ±50 feet
Accuracy: ± 0.5% of reading
Power Supply: 9V alkaline battery

Take fast, precise readings with the Stanley IntelliMeasure Estimator. Digital display gives reading in both standard and metric, from the top or the bottom of the case. Data input is acknowledged by a beep when buttons are pressed. Unit has an automatic shutoff.

TOOL INCLUDES:
9V battery and instructions.

STOCK NO.	Description	UNIT PKG.
200-2012	Laser Distance Gauge	ONE TOOL

STANLEY®

IntelliPoint Plus™ Laser Torpedo Level



Rotating Vial Operates Through 180°

- **Magnetic Base for Attachment to Steel Studs or Iron Pipes**
- **Straight Laser and Cross Hair**
- **Built-In Switch to Change Laser Dot to Cross Beam**
- **0° to 90° Internal Rotating Vial**
- **Operating Temperature 0°C to 40°C**

Specifications:
Working Range: ± 100′
Accuracy: 1/4″ to over 100′
Power Supply: 2 AA batteries
Dimensions: 2-3/8″ x 9″ x 7/8″

The IntelliPoint Plus has an aluminum alloy frame and base with an ABS body for accurate laser mounting. The base is fitted with a threaded insert for tripod mounting.

TOOL INCLUDES:
batteries and laser target.

STOCK NO.	Description	UNIT PKG.
200-2013	Laser Torpedo Level	ONE TOOL

Laser and Manual Glass Thickness Gauges

Somaca Laser Glass Gauge

Accurately Measure All Types of Glazed Units, Even in Direct Sunlight



Specifications:
Light Source: laser diode 635-670 nanometers
Power Supply: 3 standard silver oxide batteries
Dimensions: 2" x 6-1/8" x 3/8"

Applications:
Float Glass: measure any thickness
Laminated Glass: measure different laminate layer(s)
Double Glazed Units: will show glass and air gap thicknesses in all multi-glazed units
Bullet Proof & Pyro: indicates "K" glass and which surface is coated, will measure thickness of multi-layered units

Place laser unit against glass, press the button, and read the measurement off the calibrated scale at a 45° angle. Receive an instant reading of all site work glazing - store-fronts, office buildings, without the need to remove a single pane of glass.

TOOL INCLUDES:
batteries, instruction sheet and leather pouch.

STOCK NO.	Description	UNIT PKG.
200-1999	Laser Glass Gauge	ONE TOOL

GLASS-CHEK+

Glass and Air Space Meter with Single Lite Low-E Sensor



Precisely measure glass thickness and air space quickly from a single side with the Glass-Chek+. Measure glass deflection in sealed IG window assemblies. It also detects the presence of Low-E coating on the nearest lite of glass. Just select one of the six preformatted display options for your meter in the field including: fractions of an inch, hundreths of an inch, millimeters and overall IG thickness.

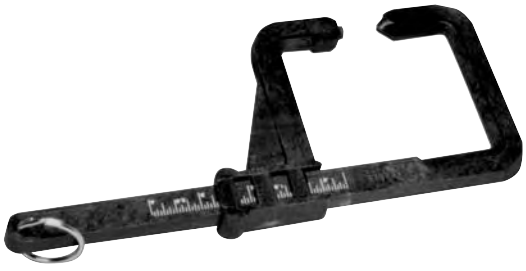
Specifications:
Light Source: laser diode 630-680 nanometers
Range: maximum 1.25" overall IG thickness
minimum 1.00" overall IG thickness
Minimum Air Space: 3/16"
Glass Thickness for Low-E Readings:
min/max 2.5/7mm
Power Supply: 9V alkaline battery
Dimensions: 3-1/2" x 5-1/2" x 1-1/4"

TOOL INCLUDES:
9V battery, instructions and nylon carrying case.

STOCK NO.	Description	UNIT PKG.
200-2001	Laser Glass Gauge	ONE TOOL

Insulating Glass Calipers

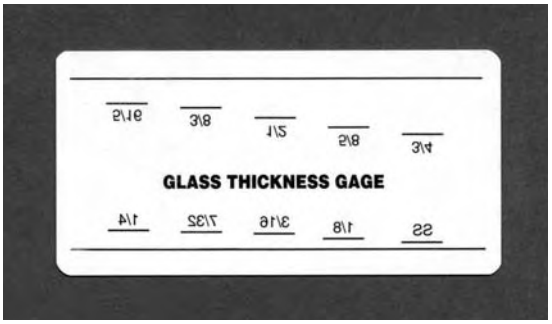
Measures IG Unit Thickness



Plastic calipers measure insulating glass units up to 4" without having to take the unit out of the frame. Works wherever you can get the caliper set to take a reading. It reduces the possibility of incorrect measurements. 4" scale on sides.

STOCK NO.	Description	UNIT PKG.
230-4345	Glass Caliper	ONE TOOL

Flat Glass Thickness Gauge



This plastic gauge measures thickness of glass already glazed. Place the long edge of the gauge at a 45° angle to the glass surface, and the reflected line intersects with the correct thickness. Comes in a plastic sleeve.

STOCK NO.	Description	Size	UNIT PKG.
230-4340	Thickness Gauge	4" x 2"	ONE GAUGE

Milwaukee Tools





1/2" Hammer-Drill
14.4 Volt Power-Plus



1/2" Driver/Drill
14.4 Volt Power-Plus



Featuring Reversible Battery Packs So You Can Work In Tight Spaces and Easily Adjust Balance!



Powerful 14.4V, 1.7 Amp-Hr, Power-Plus battery delivers more run time, and develops 350 in-lbs. maximum torque. Half-inch Grip-Lok keyless chuck withstands vibration of hammering action by keeping a firm hold on the bit. Variable speed switch with an electric brake stops the spindle quickly for optimal efficiency in repetitive work. T-handle design provides optimum balance and comfort, and features a soft grip handle pad to reduce pressure points and provide a non-slip surface. Two speed ranges: 0-450, and 0-1450 RPM. Blows per minute is 0-19,000. Twenty position torque adjustment.
Specifications: 14.4VDC. RPM high to low speed is 0-1450, and 0-450. No load BPM: 0-19,000. Drill maximum torque in.-lbs. is 350. 2.4 Amp-Hrs. battery capacity. 10.5 inches long. Weighs 5.6 lbs.
Kit Includes: 1/2" T-handle hammer drill with all metal keyless chuck, 1-hour universal charger, 2-14.4v, 2.4 Amp-Hr. battery and carrying case.

STOCK NO.	Mfgr. #	UNIT PKG.
200-0514	0514-24	ONE KIT

Develops 390 in.-lbs of maximum torque delivered by Milwaukee's 14.4 volt battery. Features a variable speed switch with an electric break to quickly stop the spindle for maximum efficiency in repetitive work. 14.4 Volt, 2.4 Amp-Hr, Power-Plus battery delivers the most run time and is compatible with all other Milwaukee 14.4 volt products. Universal charger recharges battery in one hour and is compatible with all Power-Plus batteries. Two speed ranges: 0-450, and 0-1450 RPM. 1/2" all metal Grip-Lok keyless chuck for extreme durability - prevents slippage and has hardened jaws for high gripping torque. Twenty position torque adjustment.
Specifications: 14.4VDC, RPM high to low range: 0-1450 and 0-450. 390 maximum torque in.-lbs. 2.4 Amp-Hrs. battery capacity. 10.5 inches long. Weighs 5.6 lbs.
Kit Includes: 1/2" T-handle driver drill with all metal keyless chuck, 1-hour universal charger, 2-14.4v, 2.4 Amp-Hr. battery and carrying case.

STOCK NO.	Mfgr. #	UNIT PKG.
210-0516	0516-22	ONE KIT

1/2" Driver/Drill
12 Volt Power - Plus



- Develops 220 in.-lbs. maximum torque
- Reversible Battery Pack
- Two Speed Ranges: 0-360 and 0-1100 RPM
- 19 Position Torque Adjustment

Specifications: 12VDC. 1/2" chuck. High to low RPM speed: 0-1100 and 0-360. 220 in-lbs maximum torque. Battery capacity 1.3 Amp-Hr. 11-/2" long. Weighs 4.25 lbs.
Kit Includes: 12V pistol grip driver drill with keyless chuck, Power Plus charger, two 12V 1.3 Amp-Hr. batteries and carrying case.

STOCK NO.	Mfgr. #	UNIT PKG.
200-0502	0501-23	ONE KIT

Sawzall®



Cuts Any Sawable Material!
No starting hole needed for plunge cuts into floors or walls.

Milwaukee's Sawzall cuts a wide variety of materials: wood, embedded nails, steel, cast iron, aluminum, brass, drywall, composition materials, hard rubber, cement, brick, plaster and fiberglass. Features an adjustable pivot shoe, and direct access to the blade clamp screw, and to the pivot shoe adjusting screws. The cord is conveniently positioned for easier plunge cutting. All ball and roller bearings.
Specifications: 120VAC. 6.5 amps. Length of stroke is 3/4". Strokes per minute range from 0-2600. Overall length is 16" Weighs 6-3/4 lbs.
Kit Includes: Sawzall, 8' two-wire cord, single general purpose blade, hex key and holder, extra blade clamp screw and case.

STOCK NO.	Mfgr. #	UNIT PKG.
200-6507	6507-21	ONE KIT

Fast Cutting Jigsaw

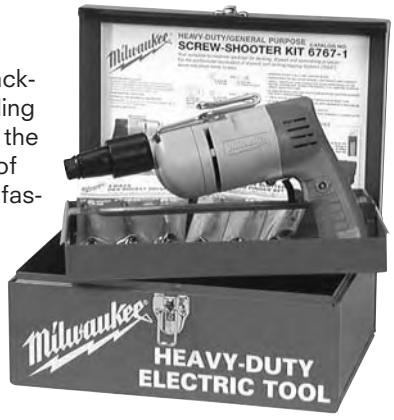


Features a heavy-duty 5.7 amp motor variable dial speed control that allows 450-3100 strokes per minute. Built-in dust collection port allows attachment to vacuum. Uses "T" shank blades 11-3/4" long x 3" wide x 9-1/4" high. Weight: 5-1/3 lbs.
Kit Includes: anti-splintering device, two blades, hex shoe key, and carrying case.

STOCK NO.	Mfgr. #	UNIT PKG.
230-6256	6266-21	ONE KIT

General Purpose Screw-Shooter Kit

Complete screwdriver package for decking, assembling and drywall projects. For the professional application of drywall, self-drill/tapping fasteners (TEKS), wood and sheet metal screws.



Pop-off locator nose maintains depth setting when removed and reattached. Features a snap-action drive clutch and quiet fan operation. Minimum offset for close quarter work. Convenient 2-wire Quik-Lok cord sets quickly detach for tangle free carrying and storage. Good balance and lightweight die cast gear case and diaphragm.
Kit Includes: Belt clip, drywall depth locator assembly, self-drill fastener depth locator, one #2 drywall bit tip, one mag bit tip holder, one 3 piece slotted bit set, one 3 piece socket driver set, case with tray, and 10' 2-wire Quik-Lok cord.

STOCK NO.	Mfgr. #	UNIT PKG.
211-6767	6791-21	ONE KIT

Sawzall®
Includes 2.4 Amp-Hr Battery



Milwaukee's Sawzall cuts up to sixty 2x4's on a single charge. It has a 18V, 2.4 Amp-Hr, Power-Plus battery which recharges in one hour. Features a keyless Quik-Lok blade clamp for fast, easy blade change. Accepts standard 1/2" shank Sawzall blades.
Trigger speed control for 0-2000 SPM with a lock-off switch. Blade can be reversed for cutting upside down in confined areas. Also has a pivot shoe for maximum support against work surface.
Specifications: 18VDC. Includes one battery. Length of stroke is 1", with 0-2000 strokes per minute. Overall length is 18.25" and weighs 8.25 lbs.
Kit Includes: Sawzall, 1-hour universal charger, 18V 2.4-amp-hour battery, two pack of Sawzall blades and carrying case.

STOCK NO.	Mfg. #	UNIT PKG.
200-6516	6515-27	ONE KIT



6-1/2" Circular Saw
18 Volt System - Power Plus

Cuts more 2x4's per battery charge than any other cordless circular saw on the market. Easily cuts all 2X material at a 45° bevel angle. Power-Plus one hour universal charger recharges batteries in hour. Charger is compatible with all Power-Plus batteries.
Features a large 50° bevel capacity and superior balance. Has an electric break for quick stops and 3200 RPM for fast cutting. Comfortable soft-grip handle and all metal upper and lower guards.
Specifications: 18VDC. Includes two batteries, No load RPM is 3200 and arbor size is 5/8". Depth of cut at 90° is 2.12"; at 45° is 1.56"; and, at 50° is 1.40". Length without battery is 12.75"; with battery 15.5". Weighs 9.02 lbs.
Kit Includes: 6-1/2" circular saw, 1-hour universal charger, 2 - 18V 2.4 amp-hour batteries, 6-1/2" 24 tooth blade, rip fence guide, allen wrench and carrying case.

STOCK NO.	Mfg. #	UNIT PKG.
200-1022	6310-22	ONE KIT

1/2" Hammer Drill
Powerful 18 Volt Motor



Powerful 18V motor develops 400 in.-lbs maximum torque. Reversible battery pack fits into cramped work spaces and adjusts balance. Two speed ranges from 0-500 and 0-1600 RPM. Has a 1/2" all metal Grip-Lok keyless chuck for extreme durability. 18V battery is compatible with all other Milwaukee tools. Hammer action produces 20,800 BPM. Variable speed switch has an electric brake which quickly stops the spindle for repetitive work. It's ideal for high torque level applications. Features a 20 position torque adjustment for precise adjustment of screw into workplace.
Specifications: 18VDC. Has a high to low speed range of 0-1600 and 0-500. No load BPM is 0-20,800. Drill maximum torque in.-lbs is 400. 2.4 battery amp-hrs. Length is 10.5" and weighs 6.0 lbs.
Kit Includes: 1/2" T-handle hammer drill with all metal keyless chuck, 1-hour universal charger, two 18V 2.4 amp.-hr. batteries, and carrying case.

STOCK NO.	Mfg. #	UNIT PKG.
200-0512	0524-24	ONE KIT

3/4" SDS Rotary Hammer
18 Volt Power - Plus



Milwaukee's 3/4" Rotary Hammer drills up to 54 holes 1/4" x 1-1/2" deep in concrete on a single charge. Powerful 18V Rare Earth Motor easily handles all drilling applications. Trigger speed control allows easy hole piloting. 1-3/4" core bit capacity. Has two mode operation: rotation with hammer, or rotation only. Other features include:Internal clutch to protect gearbox; depth gauge for drilling holes to a preset depth, lock-off switch; and, fully adjustable side handle that rotates 360°.
Specifications: 18VDC. Includes one 2.0 amp.-hr battery. 0-3900 blows per minute with no load RPM of 0-850. Solid bit capacity is 3/4" and core bit capacity is 1-3/4". Length with battery is 17-1/2". Weighs 9.5 lbs.
Kit Includes: 18V rotary hammer, side handle, depth gauge, 1-hour universal charger, 18V Power Plus battery, and carrying case.

STOCK NO.	Mfgr. #	UNIT PKG.
200-5361	5361-24	ONE KIT

Heavy Duty
18 Volt Power-Plus Accessories



200-2200



200-2230



200-0245 **AC**



DC
200-0184

	ACCESSORY	MFGR'S #	DESCRIPTION	TOOLS COMPATIBLE WITH:
STOCK NO. 200-2200	2.0 Amp-Hr Power-Plus18 Volt Battery	48-11-2200	2.0 Amp-Hr battery delivers more run time and is compatible with 18 volt Power-Plus products listed at right	All 18 Volt Power-Plus Tools and Work Lights Except 6516-20 • 6516-21 • 6516-22 • 6516-23 • 1108-20 1108-21 • 3108-21 • 5364-20 • 5364-21
200-2230	2.4 Amp-Hr Power-18 Volt Battery	48-11-2230	2.4 Amp-Hr battery delivers the most run time and is compatible with 18 volt Power-Plus products listed at right.	All 18 Volt Power-Plus Tools and Work Lights Except 6516-20 • 6516-21 • 6516-22 • 6516-23 • 1108-21 3108-21 • 5364-20 • 5364-21
200-0245	Power-Plus 1-Hr Universal Charger	48-59-0245	Charges 18V 2.0 Amp. Hr. Compatible with All Milwaukee Power-Plus batteries.	All 18, 14.4 and 12 Volt Power-Plus Tools and Work Lights
200-0184	Power-Plus 1-Hr Vehicle Charger	48-59-0184	Plugs into vehicle's cigarette lighter. Compatible with All Milwaukee Power-Plus batteries.	All 18, 14.4 and 12 Volt Power-Plus Tools and Work Lights

14.4 Volt Power-Plus Accessories







	ACCESSORY	MFG'S #	DESCRIPTION	TOOLS COMPATIBLE WITH:
STOCK NO. 200-1001	1.7A-H Power-Plus Battery	48-11-1000	14.4 Volt, 1.7 Amp-Hr Battery.	All 14.4 Volt Power-Plus Tools and Work Light
200-1024	2.4A-H Power-Plus Battery	48-11-1024	14.4 Volt, 2.4 Amp-Hr Battery.	
200-0245	Power-Plus 1-Hr Universal Charger	48-59-0245	Compatible with all Milwaukee Power-Plus Batteries.	All 18, 14.4 and 12 Volt Power-Plus Tools and Work Light
200-0184	Power-Plus 1-Hr Vehicle Charger	48-59-0184	Plugs into cigarette lighter. Compatible with all Power-Plus batteries.	

12 Volt Power-Plus Accessories







Power-Plus 12/14.4 Volt Work Light

Up to 3 Hours of Light per Charge



Stock No. 200-4924

	ACCESSORY	MFG'S #	DESCRIPTION	TOOLS COMPATIBLE WITH:
STOCK NO. 200-1900	2.0 A-H Power-Plus 12 Volt Battery	48-11-1900	2.0 Amp-Hr battery is compatible with 12 volt Power-Plus products.	All 12 Volt Power-Plus Tools and Work Light
200-1950	1.4 A-H Power-Plus 12 Volt Battery	48-11-1950	1.4 Amp-Hr battery is compatible with 12 volt Power-Plus products.	All 12 Volt Power-Plus Tools and Work Light
200-0245	Power-Plus 1-Hr Universal Charger	48-59-0245	Compatible with ALL Milwaukee Power-Plus batteries.	All 18, 14.4 and 12 Volt Power-Plus Tools and Work Light

Compound Miter Saws

10" Magnum Compound Miter Saw



- **Heavy Duty 15 amp Motor**
- **Precision Bevel Adjustment, Non-Slip Locking System**
- **Roller Bearing Miter Table Rotation System**
- **Patented Miter Override Mechanism**
- **Hi-Visibility Bevel Scale**
- **Wide Miter - 51° Left and 59° Right**
- **Positive Stops at 0°, 15°, 22.5°, 30°, 45° Right and Left**
- **Electric Brake Eliminates Free Blade Spin**

Heavy-duty Milwaukee miter saw gives you fast, accurate cutting through the toughest materials. The miter table rotates on roller bearings rather than metal stampings for smooth operation. Large miter table surface area and the base extension provides additional cutting support. Saw head-lock for convenient and reliable transport.

Saw Includes: carbide tipped blade and blade wrench.

SPECIFICATIONS:

Blade Diameter	10" (255mm)
Arbor	5/8" (16mm)
No Load Speed	4800 rpm
AMPS (115V)	15.0
Net Weight	37.5 lbs. (17.0kg)

STOCK NO.	Description	Model	UNIT PKG.
230-2202	10" Compound Saw	6494-6	ONE SAW

10" Magnum Slide Compound Miter Saw

Includes Dust Bag



- **Heavy Duty 15 amp Motor**
- **Machined Slide Mechanism**
- **All Ball Bearing Bevel Adjustment, Non-Slip Locking System**
- **Roller Bearing Miter Table Rotation System**
- **Patented Miter Override Mechanism**
- **Wide Miter - 51° Left and 59° Right**
- **Positive Stops at 0°, 15°, 22.5°, 30°, 45° Right and Left**

This Milwaukee saw features a machined slide mechanism - dual offset hardened steel guide tubes allow precise cutting performance. The patented miter override mechanism allows for fine adjustment within 1° of presets. Saw is built for heavy duty use.

Saw Includes: 80 tooth carbide tipped blade, extension with stop gauge, vise, dust bag and blade wrench.

SPECIFICATIONS:

Blade Diameter	10" (255mm)
Arbor	5/8" (16mm)
No Load Speed	4800 rpm
AMPS (115V)	15.0
Net Weight	55.5 lbs. (25.23kg)

STOCK NO.	Description	Model	UNIT PKG.
230-2203	10" Compound Saw	6497-6	ONE SAW

10" Saw Blade

Carbide Tipped
Non-Ferrous Metal
5/8" Arbor



STOCK NO.	Description	UNIT PKG.
230-3348	10" Carbide Blade - 60 Teeth	ONE BLADE

DAN-AM 10" Saw Blade

Carbide Tipped
Non-Ferrous Metal
5/8" Arbor



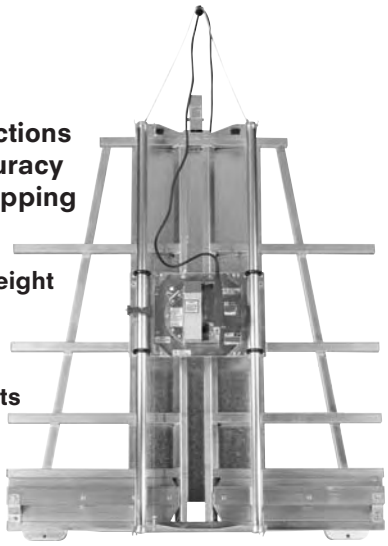
STOCK NO.	Description	UNIT PKG.
230-3338	10" Carbide Blade - 100 Teeth	ONE BLADE

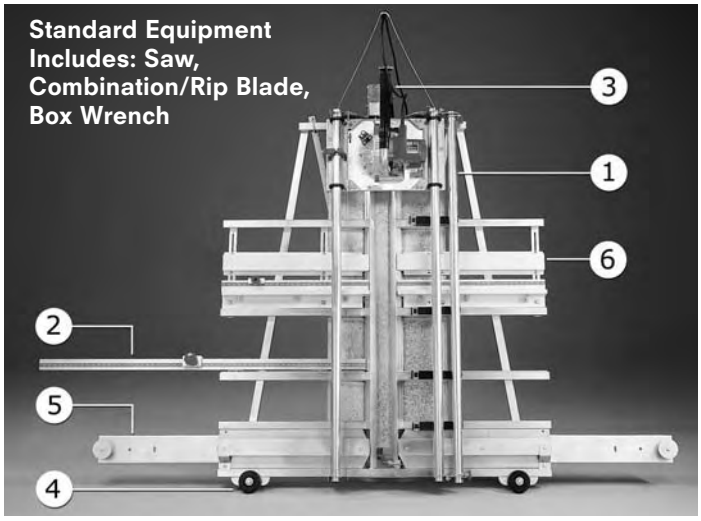
Panel Saw and Universal Pressure Drill

8" Panel Saw

★ **Cut 4' x 8' Panel Sections to Size - 1/32" Accuracy Cross Cutting Or Ripping**

- **Retractable Counter Weight for Smooth Pull Down and Saw Return**
- **Vertical and Horizontal Scales for Accurate Cuts**





STOCK NO. 230-3970 . . . 8" Milwaukee Panel Saw
120 Volts, 13.0 amps, 5800 RPM No Load, 8" Blade Size, 5/8" Arbor Size, 1-3/4" Capacity Thickness, 70" Overall Height, 60" Overall Width w/out accessories, Weight 175 lbs.

Accessories

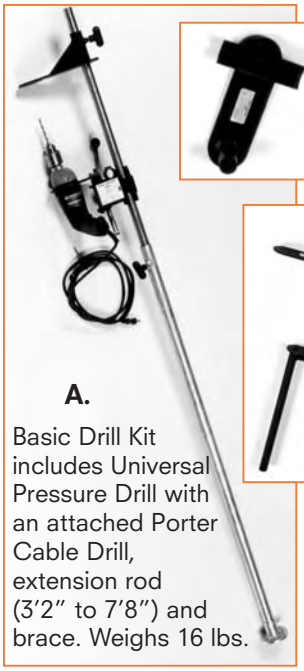
1. **230-8100 Hold Down Bar Kit** - Holds Thin, Flexible Material
2. **230-8102 Quick Stop Gauging Kit** - Allows for Quick and Accurate Positioning of Stop Block Without a Wrench
3. **230-8104 Dust Collection Kit** - Vacuum Connection Kit
4. **230-8106 Wheel Kit** - Includes Two Wheels and Allows the Panel Saw to be Moved from One Location to Another

★ 5. **230-3977 Extension Kit** - Should be Purchased Whenever Material Over 6' in Length will be Cut

6. **230-3976 Mid-Way Fence Kit** - Allows the Cutting of Small Panels Waist High on the Panel Saw

230-3925 Saw Blade Carbide - 8" 24 Tooth Universal Arbor Rip/Crosscut
230-3980 Saw Blade Carbide - 8" 48 Tooth 5/8" Arbor for Trim and Finish
230-3985 Saw Blade Carbide - 8" 60 Tooth Universal Arbor for Plastic
230-3990 Saw Blade Carbide - 8" 60 Tooth 5/8" Arbor Smooth Cutting Plywood, Veneer

Universal Pressure Drill



A.
Basic Drill Kit includes Universal Pressure Drill with an attached Porter Cable Drill, extension rod (3'2" to 7'8") and brace. Weighs 16 lbs.



B. Pipe clamp is specially designed to be used with the Universal Pressure Drill, for straight and even drilling. 6-1/2" long. Weighs 3-1/2 lbs.



C. Drill brace allows user to easily drill straight and in very tight spots. 34-1/2" long, 14" depth and a width of 9-3/8". Weighs 6 lbs.



D. Drill clamp allows you to drill deeply into steel. 38" long, 0 to 11-1/4" in width with a depth of 9-1/4". Weighs 10 lbs.

- **Portable Drill Press Drills Safely and Accurately**
- **Save Up to 90% on Drill Bits, 70% on Labor Costs**
- **No Cutting Oil/Lubricant Needed**
- **Drill 3/8" Steel in 45 Seconds**
- **Uses: Window Frames, Steel Doors and Frames, Steel Plate, Steel Pipe, Laminate Wood to Steel, Concrete, and Anchors**





STOCK NO.		Description	UNIT PKG.
211-7056	A	3/8"Basic Drill Kit	ONE KIT
211-7055	A	1/2" Basic Drill Kit	ONE KIT
211-1700	B	Drill Clamp for Pipe	ONE CLAMP
211-1701	C	Drill Brace/Tight Spots	ONE BRACE
211-1702	D	Drill Clamp for Depth	ONE CLAMP

EXTENSION PIPE		
STOCK NO.	Length	UNIT PKG.
211-1703	12"	ONE PIPE
211-1704	18"	ONE PIPE
211-1705	24"	ONE PIPE
211-1706	48"	ONE PIPE

Circular, Jig Saw and Sawzall Blades

Heavy Duty Carbide Circular Saw Blades

- **Extra Long Life**
- **Fast Cutting with Straight and Accurate Cuts**
- **Resists Bending and Twisting**



This heavy duty blade is made of hardened alloy steel, with C3 grade carbide teeth. The high shoulder blade design protects teeth and increases blade life. Specially engineered heat vents and expansion slots prevent blade distortion.

FOR FRAMING/RIPPING

STOCK NO.	Diameter	Teeth	Mfg. #	UNIT PKG.
200-4108	6-1/2"	24	48-40-4108	ONE BLADE

FOR TRIM/FINISH

STOCK NO.	Diameter	Teeth	Mfg. #	UNIT PKG.
200-4112	6-1/2"	40	48-40-4112	ONE BLADE

Super Sawzall Blades

Wood and Metal Cutting Blades

- **Tough, Bi-Metal Design for Fast Cutting and Long Life**
- **1/2" Universal Tang**



WOOD CUTTING SAW BLADES

STOCK NO.	Size	TPI	Mfg. #	UNIT PKG.
200-5031	6" x 3/4" x .050"	5/8	48-00-5031	5
200-6031	6" x 3/4" x .050"	5/8	48-01-6031	50
200-5036	9" x 3/4" x .050"	6	48-00-5036	5
200-6036	9" x 3/4" x .050"	6	48-01-6036	50



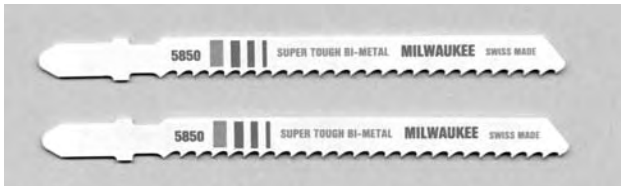
METAL CUTTING SAW BLADES

STOCK NO.	Size	TPI	Mfg. #	UNIT PKG.
200-7419	6" x 3/4" x .035"	18	48-02-5184	2
200-7420	6" x 3/4" x .035"	18	48-01-6184	50
200-7421	9" x 3/4" x .035"	18	48-00-5188	5
200-7422	9" x 3/4" x .035"	18	48-01-6188	50

T-Shank Jig Saw Blades

For Metal Cutting

- **Bi-Metal Design for Fast Cutting and Long Life**



METAL CUTTING SAW BLADES

STOCK NO.	Diameter	TPI	Mfg. #	UNIT PKG.
200-7423	4" x 9/32"	8	48-42-5850	5
200-7424	3" x 9/32"	14	48-42-5190	5
200-7425	5-1/4" x 9/32"	14	48-42-5192	5
200-7426	3" x 9/32"	18	48-42-5121	5
200-7427	3" x 9/32"	24	48-42-5161	5
200-7428	5-1/4" x 9/32"	24	48-42-5166	5

Sawzall®

Includes 2.4 Amp-Hr Battery



- **1 Hour Recharge**
- **Keyless Quik-Lok™ Blade Clamp**

Specifications: 18VDC. Includes one battery. Length of stroke is 1", with 0-2000 strokes per minute. Overall length is 18.25" and weighs 8.25 lbs.

Kit Includes: Sawzall, 1-hour universal charger, 18V 2.4 Amp-Hr battery, two pack of Sawzall blades and carrying case.

STOCK NO.	Mfg. #	UNIT PKG.
200-6516	6515-27	ONE KIT

6-1/2" Circular Saw

18 Volt System - Power-Plus



- **1 Hour Recharge**

Specifications: 18VDC. Includes two batteries, No Load is 3200 rpm, arbor size is 5/8". Depth of cut 90° is 2.12"; at 45° is 1.56"; at 50° is 1.40". Weighs 9.02 lbs.

Kit Includes: Saw, 1-hour universal charger, (2) 18V 2.4 Amp-Hr batteries, 6-1/2" blade - 24 teeth, rip fence guide, allen wrench and carrying case.

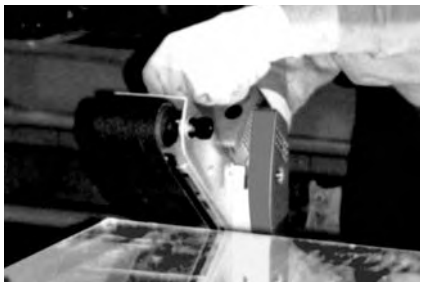
STOCK NO.	Mfg. #	UNIT PKG.
200-1022	6310-22	ONE KIT

Belt Sanders and Abrasive Belts

Makita® Belt Sander

3" x 21"

- Compact and Lightweight
- Double Insulated





SPECIFICATIONS:
Belt Speed . . . . . 1246 ft./min. (380m/min.)
AMPS (115V) 6.7
Length . . . . . 12-7/8"
Net Weight . . . . . 7.7 lbs. (3.5kg)

STOCK NO.	Description	Model	UNIT PKG.
211-9921	3" x 21" Sander w/Bag	9901	ONE SANDER
211-5629	Replacement Bag	122329-5	ONE BAG

3M "Duo-Glass" Abrasive Belts For Portable Sanders



3" x 21" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
SOLD PER NEST OF 5 BELTS - SAME GRIT
MASTER CARTON: 10 NESTS

STOCK NO.	Grit	UNIT PKG.
254-1080	80	ONE NEST
254-1120	120	ONE NEST
254-1220	220	ONE NEST

Makita® Belt Sander

3" x 21"



SPECIFICATIONS:
Belt Speed . . . . . 1180 ft./min. (360m/min.)
AMPS (115V) 7.8
Net Weight . . . . . 10.1 lbs. (4.6kg)

STOCK NO.	Description	Model	UNIT PKG.
220-4500	3" x 21" Sander w/Dust Bag	9900B	ONE SANDER
220-4522	Replacement Bag	122296-4	ONE BAG

SOMACA Abrasive Belts



3" x 21" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
SOLD PER NEST OF 10 BELTS - SAME GRIT
MASTER CARTON: 5 NESTS

STOCK NO.		Grit	UNIT PKG.
253-5060		60	ONE NEST
253-5080		80	ONE NEST
253-5120	BEST SELLER	120	ONE NEST
253-5180		180	ONE NEST
253-5220		220	ONE NEST
253-5400		400	ONE NEST
253-0073		600	ONE NEST

Cork Belts



3" x 21" CORK BELTS
SOLD PER NEST OF 5 BELTS

STOCK NO.	UNIT PKG.
258-1000	ONE NEST

Belt Sanders and Abrasive Belts

Makita® Belt Sander

1-1/8" x 21"

- **Adjustable Belt Speed**



SPECIFICATIONS:
Belt Speed . . . . . 656 - 3280 ft./min.
AMPS (115V) 5.0
Net Weight . . . . . 4.6 lbs. (2.1kg)

An ideal sander for grinding and smoothing mirror cut-outs, and sanding irregular openings and shapes in glass table tops. It uses narrow 1-1/8" x 21" belts, so you can easily get into small work areas.

STOCK NO.	Description	Model	UNIT PKG.
220-4518	1-1/8" x 21" Sander	9031	ONE SANDER

Somaca® Abrasive Belts



1-1/8" x 21" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
SOLD PER POLYWRAPPED NEST OF 10 BELTS - SAME GRIT
MASTER CARTON: 10 NESTS

STOCK NO.		Grit	UNIT PKG.
253-0069		40	ONE NEST
220-4550		80	ONE NEST
220-4551	BEST SELLER	120	ONE NEST
220-4552		220	ONE NEST
253-0066		320	ONE NEST
220-4553		400	ONE NEST
253-0067		600	ONE NEST

Cork Belts



1-1/8" x 21" CORK BELTS
SOLD PER NEST OF 5 BELTS

STOCK NO.	UNIT PKG.
258-4000	ONE NEST

Makita® Belt Sander

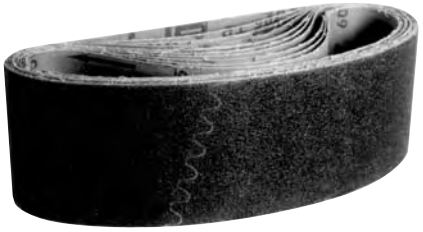
3" x 24"



SPECIFICATIONS:
Belt Speed . . . . . 1300 ft./min. (400m/min.)
AMPS (115V) 7.8
Net Weight . . . . . 10.5 lbs. (4.8kg)

STOCK NO.	Description	Model	UNIT PKG.
220-4520	3" x 24" Sander w/Dust Bag	9924DB	ONE SANDER
220-4522	Replacement Bag	122296-4	ONE BAG

Somaca® Abrasive Belts



3" x 24" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
SOLD PER NEST OF 10 BELTS - SAME GRIT
MASTER CARTON: 5 NESTS

STOCK NO.		Grit	UNIT PKG.
253-0063		40	ONE NEST
253-6060		60	ONE NEST
253-6080		80	ONE NEST
253-6120	BEST SELLER	120	ONE NEST
253-6180		180	ONE NEST
253-6220		220	ONE NEST
253-0075		320	ONE NEST
253-6400		400	ONE NEST
253-6600		600	ONE NEST

Cork Belts

3" x 24" CORK BELTS
SOLD PER NEST OF 5 BELTS

STOCK NO.	UNIT PKG.
258-3000	ONE NEST

Scratch Polishers and Related Items

Makita® 5" Disc Sander

- **Lightweight - Only 2.6 lbs.**
- **Ideal for Edging Glass at the Shop or in the Field**



A popular tool used for a multitude of shop functions; edging glass, removing paint & corrosion, deburring, etc. It is lightweight, which allows versatility and reduces operator fatigue. Furnished with side handle, pad, and hex wrench.

Specifications: 115V, 3.6 amps. No load speed 4500 RPM. Weight: 2.6 lbs.

STOCK NO.	Description	Model	UNIT PKG.
211-8538	5" Disc Sander	GV 5000	ONE



5" ABRASIVE DISCS
SOLD PER NEST OF 50 DISCS - SAME GRIT

STOCK NO.	Grit	Hole Dia.	UNIT PKG.
259-8080	80	7/8" Slotted	ONE NEST
259-8120	120	7/8" Slotted	ONE NEST
259-8220	220	7/8" Slotted	ONE NEST

Adhesive "PSA" Discs

ADHESIVE BACKED DISCS - NO HOLE
SOLD PER NEST OF 50 DISCS - SAME GRIT

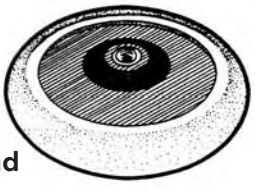
STOCK NO.	Size	Grit	UNIT PKG.
258-5080	5"	80	ONE NEST
258-5120	5"	120	ONE NEST
258-5220	5"	220	ONE NEST
258-5400	5"	400	ONE NEST
258-5600	5"	600	ONE NEST

ADHESIVE BACKED CORK DISC - NO HOLE

STOCK NO.	Size	UNIT PKG.
258-5001	5"	ONE DISC

5" Back-Up Pads

5/16" (8mm) Male Thread



For Use with Abrasive Discs
Plastic Hub with Vinyl-Faced Pad

STOCK NO.	Size	Description	UNIT PKG.
261-5001	5"	Stiff - Thick	ONE PAD
261-5002	5"	Flexible - Thin	ONE PAD

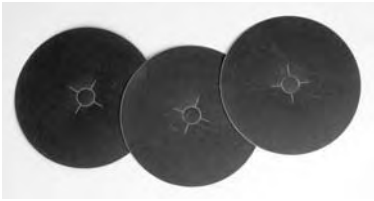
Makita® 7" Disc Sander

- **Weighs 6 lbs.**
- **5.2 amp Motor (115V)**
- **4000 rpm**



Sander Includes: rubber pad, spanner wrench, lock nut wrench and side handle.

STOCK NO.	Description	Model	UNIT PKG.
211-8542	7" Disc Sander	9218SB	ONE



7" ABRASIVE DISCS
SOLD PER NEST OF 50 DISCS - SAME GRIT

STOCK NO.	Grit	Hole Dia.	UNIT PKG.
259-3060	60	7/8" Slotted	ONE NEST
259-3080	80	7/8" Slotted	ONE NEST
259-3120	120	7/8" Slotted	ONE NEST
259-3220	220	7/8" Slotted	ONE NEST

SOLD PER NEST OF 50 DISCS - SAME GRIT

STOCK NO.	Grit	Hole Dia.	UNIT PKG.
259-7080	80	7/8" Punched	ONE NEST
259-7120	120	7/8" Punched	ONE NEST

Adhesive "PSA" Discs

ADHESIVE BACKED DISCS - NO HOLE
SOLD PER NEST OF 50 DISCS - SAME GRIT

STOCK NO.	Size	Grit	UNIT PKG.
258-5320	6"	80	ONE NEST
258-5420	6"	120	ONE NEST

ADHESIVE BACKED CORK DISC - NO HOLE

STOCK NO.	Size	UNIT PKG.
258-6001	6"	ONE DISC

6" Back-Up Pads

5/16" (8mm) Male Thread

STOCK NO.	Size	Description	UNIT PKG.
261-5003	6"	Stiff - Thick	ONE PAD
261-5004	6"	Flexible - Thin	ONE PAD

Notching Saw Kits and Related Items

Makita® Notching Saw Kit

9.6 Volt 3-3/8"

- Diamond Blade
- 9.6V Battery
- Charger
- Adjustable Cutting Depth
- Diamond Coolant Supplier



Notches Glass, Tile & Marble

SPECIFICATIONS:

Blade Diameter	3-3/8" (85mm)
Max. Cutting Depth	53/64" (21mm)
No Load Speed	1000 rpm
Battery	9.6VDC (1.3Ah)
Net Weight	4.2 lbs. (1.9kg) with battery

This smooth cutting diamond blade saw cleanly notches and trims glass and mirrors. Ideal for notching around air conditioners, beams, and heat registers.

Kit Includes: saw, diamond blade, battery, charger, hex wrench and coolant supplier.

STOCK NO.	Description	Model	UNIT PKG.
240-4190	Glass Cutting Kit	4190DW	ONE KIT

Accessories







STOCK NO.	Description	Model	UNIT PKG.
240-4486	Diamond Blade	724950-8C	ONE BLADE
240-4495	Coolant Attachment	122387-1	ONE UNIT
265-1008	Diamond Coolant		ONE QUART

Battery and Charger Kit

70% More Run Time

Charger Kit Includes: Ni-MH battery and quad charger for 9.6V tools.



STOCK NO.	Description	Model	UNIT PKG.
220-1411	Battery/Charger Kit	DC1411K	ONE KIT

Ni-MH 2.2AH 9.6V STICK STYLE BATTERY

STOCK NO.	Description	Model	UNIT PKG.
220-4504	9.6V Ni-MH Battery	192696-2	ONE BATTERY

1.3AH 9.6V STICK STYLE BATTERY

STOCK NO.	Description	Model	UNIT PKG.
220-4488	9.6V Battery	632007-4	ONE BATTERY

Makita® Notching Saw Kit

9.6 Volt 3-3/8"

- Woodworking Blade
- 9.6V Battery
- Charger
- Adjustable Cutting Depth



For Wood Trim Work

SPECIFICATIONS:

Blade Diameter	3-3/8" (85mm)
Arbor	19/32" (15mm)
Max. Cutting Depth	
@ 45°	5/64" - 45/64" (2mm - 18mm)
@ 90°	0 - 55/64" (0 - 22mm)
No Load Speed	1000 rpm
Battery	9.6VDC (1.3Ah)
Net Weight	4.0 lbs. (1.8kg) with battery

Kit Includes: saw, woodworking blade, battery, charger, and hex wrench.

STOCK NO.	Description	Model	UNIT PKG.
240-5090	Woodworking Kit	5090DW	ONE KIT
240-4489	Wood Blade	721003-A	ONE BLADE

Chargers

Quad Voltage Charger



For all 7.2V, 9.6V, 12V and 14.4V tools.
Charges all Ni-MH and Ni-Cd removable batteries (1.3Ah - 2.6Ah).
115VAC to 7.2/9.6/12/14.4VDC

STOCK NO.	Description	Model	UNIT PKG.
211-7016	Battery Charger	DC1411	ONE CHARGER

Automotive Super High Capacity Charger

Charges Batteries from Auto Cigarette Lighter



For all 7.2V, 9.6V, 12V and 14.4V tools.
Charges all Ni-MH and Ni-Cd removable batteries (1.3Ah - 2.6Ah).
12VDC to 7.2/9.6/12/14.4VDC

STOCK NO.	Description	Model	UNIT PKG.
211-7020	Battery Charger	DC1422	ONE CHARGER

Notching Saw and Rotary Hammer Kit

Makita® Notching Saw Kit

12 Volt 3-3/8"

- Carbide Tip Wood Blade
- 12V 2.0Ah Battery
- Charger
- Adjustable Cutting Depth



SPECIFICATIONS:

Blade Diameter	3-3/8" (85mm)
Arbor	15mm
Max. Cutting Depth	
@ 45°	11/16" (18mm)
@ 90°	15/16" (24.5mm)
No Load Speed	1000 rpm
Battery	12VDC (2.0Ah)
Overall Length	12-1/2" (316mm)
Net Weight	4.2 lbs. (2.1kg) with battery

Kit Includes: saw, carbide tip wood blade, battery, charger, and hex wrench.

STOCK NO.	Description	Model	UNIT PKG.
240-5091	Notching Saw Kit	5093DWA	ONE KIT

Accessories

STOCK NO.	Description	Model	UNIT PKG.
240-4486	Diamond Blade	724950-8C	ONE BLADE
240-4495	Coolant Attachment	122387-1	ONE UNIT
265-1008	Diamond Coolant		ONE QUART

Batteries

For 12V Cordless Tools



Ni-MH 2.2AH 12V POD STYLE BATTERY

STOCK NO.	Description	Model	UNIT PKG.
220-2698	12V Ni-MH Battery	192698-A	ONE BATTERY

Ni-CD 2.0AH 12V POD STYLE BATTERY

STOCK NO.	Description	Model	UNIT PKG.
220-4506	12V Ni-Cd Battery	192598-2	ONE BATTERY

Chargers

Quad Voltage Charger

Information and photo on page 246.

STOCK NO.	Description	Model	UNIT PKG.
211-7016	Battery Charger	DC1411	ONE CHARGER

Automotive Super High Capacity Charger

Information and photo on page 246.

STOCK NO.	Description	Model	UNIT PKG.
211-7020	Battery Charger	DC1422	ONE CHARGER

Makita® Cordless Rotary Hammer Kit

24 Volt 13/16"

- Variable Speed
- Reversible
- Uses SDS Bits



SPECIFICATIONS:

Capacities	
Concrete	13/16" (20mm)
Steel	1/2" (13mm)
Wood	1-1/16" (27mm)
No Load Speed	0 - 1100 rpm
Blows per Minute	0 - 4700 bpm
Battery	24VDC (3.0Ah)
Net Weight	9.1 lbs. (4.1kg) with battery

Rotary hammer features 3 mode settings for hammering, drilling and rotation with hammering. D-handle design with ergonomic rubber grip. Electric brake. Externally accessible brushes, and one touch sliding chuck for easy bit installation.

Kit Includes:
rotary hammer, battery, charger, side grip, depth gauge, plastic tool case, and (2) phillips/slotted bits.

STOCK NO.	Description	Model	UNIT PKG.
220-2005	Rotary Hammer Drill	BHR200SH	ONE KIT
211-1313	Battery	193131-3	ONE BATTERY
211-0245	Charger	DC24SA	ONE CHARGER

NOTE: SEE PAGE 271 FOR SDS BITS.

Makita® Nibbler

- Die Rotates 360°
- Large 1/4" Stroke
- Lock-On Sliding Switch for Continuous Use
- Double Insulated



SPECIFICATIONS:

Capacities	
Mild Steel	16 ga (1.6mm)
Stainless	18 ga (1.2mm)
Aluminum	10 ga (2.5mm)
AMPS (115V)	5.0
Strokes per Minute	2200
Minimum Cutting Radius	
Outside Edge	2" (50mm)
Inside Edge	1-3/4" (45mm)
Net Weight	3.5 lbs. (1.6kg) with battery

Tool Includes: wrench and hex wrench.

STOCK NO.	Description	Model	UNIT PKG.
220-1601	Nibbler Tool	JN1601	ONE TOOL

Cordless Driver-Drill Kits

Makita® 1/2" Cordless Hammer Driver-Drill Kit

18 Volt

- **2-Speed**
- **Variable Speed, Reversible**

Kit Includes:
(2) batteries, phillips/slotted bit, charger, side handle, depth gauge, & plastic tool case.



2 Batteries and Case

SPECIFICATIONS:

Capacities:	
Steel	1/2" (13mm)
Masonry	5/8" (16mm)
No Load Speed	Low: 0-450 rpm, High: 0-1400 rpm
Blows per Min	Low: 0-6750 bpm, High: 0-21000 bpm
Maximum Torque	400 in. lbs.
Battery	18VDC (2.6Ah)
Net Weight	5.7 lbs. (2.6 kg) with battery

Drill features 3 mode settings, 16 torque settings, ergonomic rubber grip, externally accessible brushes, 1/2" keyless chuck.

STOCK NO.	Description	Model	UNIT PKG.
211-8443	1/2" Hammer Drill	8443DWDE	ONE KIT
211-1591	Battery	193159-1	ONE BATTERY
211-1801	Charger	DC1801	ONE CHARGER

Makita® 3/8" Cordless Driver-Drill Kit

14.4 Volt

- **2-Speed**
- **Variable Speed, Reversible**

Kit Includes:
(2) Ni-MH batteries, phillips/slotted bit, keyless chuck, charger, battery cover and plastic tool case.



2 Batteries and Case

SPECIFICATIONS:

Capacities:	
Steel	3/8" (10mm)
Wood	1" (25.4mm)
No Load Speed	Low: 0-400 rpm, High: 0-1300 rpm
Maximum Torque	330 in. lbs.
Battery	14.4VDC (2.2Ah)
Net Weight	4.4 lbs. (1.7 kg) with battery

Drill features 2-speed gear selection, 18 torque settings, ergonomic rubber grip, and externally accessible brushes.

STOCK NO.	Description	Model	UNIT PKG.
211-6233	3/8" Driver-Drill	6233DWBE	ONE KIT
220-2699	Battery		ONE BATTERY
220-4505	Charger	DC1411	ONE CHARGER

Makita® 3/8" Cordless Driver-Drill Kit

9.6 Volt

- **2-Speed**
- **Variable Speed, Reversible**

Kit Includes:
(2) batteries, charger, phillips bit, keyless chuck, plastic tool case.



2 Batteries and Case

SPECIFICATIONS:

Capacities:	
Steel	3/8" (10mm)
Wood	11/16" (18mm)
Wood Screw	#12 x 2-1/8" (5.5mm x 55mm)
No Load Speed	Low: 0-400 rpm, High: 0-1100 rpm
Maximum Torque	122 in. lbs.
Battery	9.6VDC (2.2Ah)
Net Weight	3.7 lbs. (1.7 kg) with battery

Drill features Ni-MH battery that provides 70% longer run time, 6-stage torque setting for diverse drilling and driving applications, industrial keyless chuck for fast bit installation, and an ergonomically enhanced rubberized grip. Electric brake.

STOCK NO.	Description	Model	UNIT PKG.
220-4502	3/8" Driver-Drill	6095DWBE	ONE KIT
220-4504	Battery	192696-2	ONE BATTERY
220-4505	Charger	DC1411	ONE CHARGER

Makita® Keyless Chuck

- **Eliminate Fumbling for Chuck Keys**
- **1/16" to 3/8" Capacity**



Remove old chuck and key, and thread on Makita Keyless Chuck. Secure with set screw.

This drill attachment makes fast work of changing drill bits while on the job. Merely remove the existing chuck and screw the keyless chuck onto the drill spindle. The chuck jaws will open by turning the sleeve, and the bit can then be easily inserted or removed.

STOCK NO.	Application	Model	UNIT PKG.
211-7054	Fits 6095DW and 6095WBE	763101-2	ONE CHUCK
211-0650	Fits 6233DWBE	763125-8	ONE CHUCK

Miter Saws and Table Saw

Makita® 8-1/2" Cordless Compound Miter Saw

24 Volt



- **Powerful 24V Ni-MH Battery for Longer Run Time**
- **Bevel Cuts up to 45° to the Left**
- **Miter Cuts 0°-52° Left and Right**
- **Positive Stops at 9 Settings: 15°, 22.5°, 30°, 45° Right or Left and 0° (90° Cuts)**
- **High Quality 40 Tooth Carbide Tipped Blade**

SPECIFICATIONS:

Blade Dia. (General Purpose Miter)	8-1/2" (216mm)
Arbor	5/8" (15.88mm)
Max. Cutting Capacities	
90°/90°	2-3/8" x 4-13/16"
45°/45°	1-3/4" x 4-13/16"
No Load Speed	2300 rpm
Battery	24VDC (3.0Ah)
Net Weight	22.2 lbs. (10.1kg) with battery

Saw Includes: battery, charger, socket wrench, triangular rule, dust bag, auxiliary plate, carbide tipped blade, plastic tool case.

STOCK NO.	Description	Model	UNIT PKG.
220-8205	8-1/2" Miter Saw	BLS820SFK	ONE SAW
211-1313	Battery	193131-3	ONE BATTERY
211-0245	Charger	DC24SA	ONE CHARGER
230-3030	Blade - 40 Teeth	A90788	ONE BLADE

Makita® 10" Table Saw



- **Powerful 15 amp Motor**
- **Large 27" x 22" Table**
- **Electric Brake for Efficient Adjustments**
- **Positive Stops at 90° and 45°**

With Electric Brake

SPECIFICATIONS:

Blade Diameter	10" (255mm)
Arbor	5/8" (16mm)
Max. Cutting Capacities	
@ 90°	3-9/16" (91mm)
@ 45°	2-1/2" (63mm)
No Load Speed	4600 rpm
AMPS (115V)	15.0
Table Size (W x L)	27" x 22" (680mm x 560mm)
Net Weight	40.0 lbs. (18.2kg)

Saw Includes: carbide tipped blade , rip fence , miter gauge, #13 and #19 wrenches.

STOCK NO.	Description	Model	UNIT PKG.
220-2703	10" Table Saw	2703	ONE SAW

Makita® 10" Miter Saw



- **Powerful 15 amp Motor**
- **Dual Post Cutting Arm**
- **Miter Cuts 0°-45° Left and 0°-52° Right**
- **Positive Stops at 9 Settings: 15°, 22.5°, 30°, 45° right or left, and 0°(90° Cuts)**

SPECIFICATIONS:

Blade Diameter	10" (255mm)
Arbor	5/8" (16mm)
Max. Cutting Capacities (H x W)	
@ 90°	2-3/4" x 5-1/8" (69mm x 130mm)
@ 45°	2-3/4" x 3-5/8" (69mm x 92mm)
No Load Speed	4600 rpm
AMPS (115V)	15.0
Net Weight	24.3 lbs. (11.0kg)

Saw Includes: socket wrench, wood cross-cut blade (50 teeth), dust bag, and triangular rule.

STOCK NO.	Description	Model	UNIT PKG.
230-3926	10" Miter Saw	LS1030N	ONE SAW

Blades

10" Saw Blades

Carbide Tipped
Non-Ferrous Metal - 5/8"Arbor



STOCK NO.	Description	UNIT PKG.
230-3348	10" Carbide Blade - 60 Teeth	ONE BLADE
230-3033	10" Carbide Blade - 70 Teeth	ONE BLADE

Sabre Saw Blades

1/4" Universal Shank

BI-METAL - Tough & Hard Cobald Matrix Teeth with Tough Alloy Back

STOCK NO.	Dia.	TPI	For Cutting	UNIT PKG.
211-6435	2-3/4"	24	Metal over 1/8" Plastic, Fiberboard	TWO BLADES

HIGH SPEED STEEL - For Metal Cutting

STOCK NO.	Dia.	TPI	For Cutting	UNIT PKG.
211-6436	2-3/4"	24	Metal over 22 Ga.	TWO BLADES
211-6437	2-3/4"	32	Very Thin Metal	TWO BLADES

Compound Miter Saws

Makita® 10" Compound Miter Saw



- Performs Compound Cutting Operations
- Dual Post Compound Pivoting Arm
- Bevel Cuts up to 45° to the Left
- Miter Cuts 0°-45° Left and 0°-52° Right
- Positive Stops at 9 Settings: 15°, 22.5°, 30°, 45° Right or Left, and 0°(90° Cuts)
- Powerful 15 amp Motor
- Weighs Only 24.2 lbs. for Easy Portability
- Cross-Cut Wood Blade

Saw Includes: dust bag, socket wrench, cross-cut wood blade, and triangular rule.

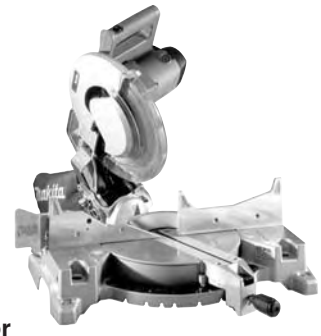
SPECIFICATIONS:

Blade Diameter	10" (255mm)
Arbor	5/8" (16mm)
Max. Cutting Capacities	2-3/4" x 5-1/8"
No Load Speed	4600 rpm
AMPS (115V)	15.0
Net Weight	24.2 lbs. (11.0kg)

STOCK NO.	Description	Model	UNIT PKG.
230-1040	10" Compound Saw	LS1040	ONE SAW

Makita® 12" Compound Miter Saw

Includes Dust Bag



- Ultra-positive Stops at 9 Settings: 15°, 22.5°, 31.6°, 45° Right and Left, and 0°
- Horizontal D-handle Design for Easy, Comfortable Operation
- Carbide Tipped Wood Blade Included
- Electronic Speed Control for Constant Speed Regardless of Load

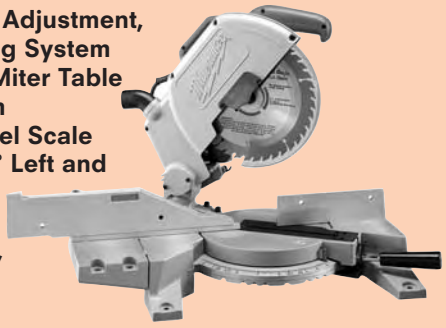
Saw Includes: dust bag, socket wrench, carbide tipped wood blade, triangular rule and elbow.

SPECIFICATIONS:

Blade Diameter	12" (305mm)
Arbor	1" (25.4mm)
Max. Cutting Capacities	3-7/8" x 6"
No Load Speed	3200 rpm
AMPS (115V)	15.0
Net Weight	37.5 lbs. (17.0kg)

STOCK NO.	Description	Model	UNIT PKG.
230-2201	12" Compound Saw	LS1220	ONE SAW

Milwaukee® 10" Magnum Compound Miter Saw



- Precision Bevel Adjustment, Non-Slip Locking System
- Roller Bearing Miter Table Rotation System
- Hi-Visibility Bevel Scale
- Wide Miter - 51° Left and 59° Right
- Positive Stops at 15°, 22.5°,30°, 45° right & left

Saw Includes: carbide tipped blade and blade wrench.

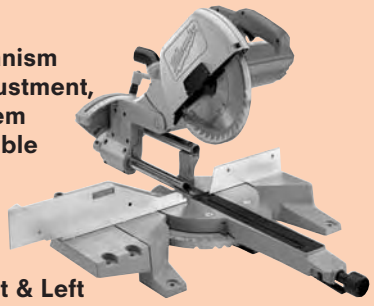
SPECIFICATIONS:

Blade Diameter	10" (255mm)
Arbor	5/8" (16mm)
No Load Speed	4800 rpm
AMPS (115V)	15.0
Net Weight	37.5 lbs. (17.0kg)

STOCK NO.	Description	Model	UNIT PKG.
230-2202	10" Compound Saw	6494-6	ONE SAW

10" Magnum Slide Compound Miter Saw

Includes Dust Bag



- Machined Slide Mechanism
- Ball Bearing Bevel Adjustment, Non-Slip Locking System
- Roller Bearing Miter Table Rotation System
- Wide Miter - 51° Left and 59° Right
- Positive Stops at 0°, 15°, 22.5°, 30°, 45° Right & Left

Saw Includes: 80 tooth carbide tipped blade, extension with stop gauge, vise, dust bag and blade wrench.

SPECIFICATIONS:

Blade Diameter	10" (255mm)
Arbor	5/8" (16mm)
No Load Speed	4800 rpm
AMPS (115V)	15.0
Net Weight	55.5 lbs. (25.23kg)

STOCK NO.	Description	Model	UNIT PKG.
230-2203	10" Compound Saw	6497-6	ONE SAW

Power Scraper, Jig Saw, Grinder

Makita® Power Scraper



- **Quickly Removes Hardened Putty from Metal Sash Windows**
- **Lightweight Air Cushion Design**

SPECIFICATIONS:

Blows per Minute	0-3200
AMPS (115V)	5.0
Net Weight	7 lbs. (3.2kg)

The Makita Power Scraper has a 5 amp, high-tech motor that delivers 3200 solid blows per minute. Use to remove old putty, tile, weld splatter, sealants, caulks or concrete. The power scraper is double insulated, and features an air cushion design, for ease of operation, and bit changeover. Tool speed is regulated by trigger pressure. Three tips are furnished, and are easily installed and secured in place with a positive bit retention lock.

Kit Includes: scraper, 2" scaling chisel, 1-3/16" scaling chisel, bull point, dust cover and plastic case.



STOCK NO.	Description	Model	UNIT PKG.
211-7980	Power Scraper	HK1810	ONE KIT

CHISEL TIPS

STOCK NO.	Description	Model	UNIT PKG.
211-7981	8-3/4" Bull Point	798266-1	ONE TIP
211-7982	1-3/16" Scaling Chisel	798265-3	ONE TIP
211-7983	2" Scaling Chisel	798264-5	ONE TIP

6" Bench Grinder

- **Large 6" Dia. Wheels**
- **Lubricated for Life**



This heavy duty 6" grinder has an adjustable tool rest for working height and distance from the wheels. Specially designed dust exhaust maximizes air flow, enclosed capacitor starts the motors.

SPECIFICATIONS:

Horse Power	3/4
AMPS (110V)	4.0
Net Weight	24.3 lbs. (11.0kg)

STOCK NO.	Wheel Dia.	Arbor Dia.	UNIT PKG.
213-1322	6"	1/2"	ONE GRINDER

Makita® Rocket 6000 Drywall Screwdriver

- **Variable Speed, Reversible**



- **World's Fastest - 0-6000 rpm!**
- **Retractable Belt Clip**
- **Adjustable Depth Locator Assembly with "Sure Lock"**
- **Brushes are Easily Accessible**
- **Double Insulated**

SPECIFICATIONS:

Bit Shank	1/4" (6.35mm) Hex
No Load Speed	0-6000 rpm
AMPS (115V)	6.5
Net Weight	3.2 lbs. (1.4kg)

Rocket 6000 Includes: 1 phillips insert bit, magnetic bit holder & nose piece. (See page 292 for drywall screws).

STOCK NO.	Description	Model	UNIT PKG.
220-6825	Drywall Screwdriver	6825	ONE TOOL

Makita® Jig Saw

- **Orbital, Variable Speed**



- **"Tool-Less" Blade Change and Bevel Adjustment**
- **3 Orbital Settings Plus Straight Cutting**
- **Adjustable Cast Aluminum Base, 0°-45° Bevel Right and Left**
- **Speed Dial for Setting Maximum Speed**
- **Accepts Tang, Makita and 1/4" Universal Shank Blades**

SPECIFICATIONS:

Length of Stroke	1" (24.5mm)
Max. Cutting Capacities:	
Wood	5-5/16" (135mm)
Mild Steel	3/8" (10mm)
Strokes per Minute	500 - 3000
AMPS (115V)	5.5
Net Weight	5.3 lbs. (2.4kg)

Saw Includes: (2) blades, anti-splintering insert, plastic base insert and plastic tool case.

STOCK NO.	Description	Model	UNIT PKG.
220-4305	Jig Saw	4305T	ONE JIG SAW

Hammers and Mallets

Hand Drilling Hammer



This tool has a forged and rim tempered steel head with polished faces, clear lacquered hickory handle. Black enamel finish. Use with windshield channel chisels and glaziers chisels.

STOCK NO.	Weight	Head Size	Length	UNIT PKG.
211-4350	3 lbs.	1-9/16"	10-1/4"	ONE

Compo-Cast® Ball Pein Hammer



HI-VIS ORANGE

This dead blow steel face Ball Pein Hammer has a tempered alloy steel head, with a crowned face for more accuracy - and no bounce back. Steel reinforced handle provides added strength and safety. Dead blow function uses steel shot.

STOCK NO.	Weight	Head Size	Length	UNIT PKG.
211-4508	8 oz.	1"	10-3/4"	ONE

Compo-Cast® "Dead Blow" Hammer



HI-VIS ORANGE

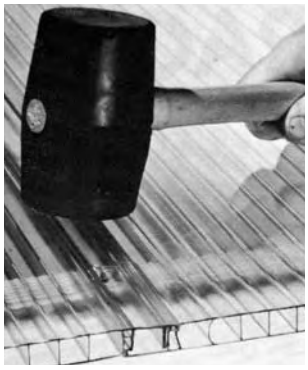
A Compothane texture molded over steel shot filled head protects workman, working surface, and tools themselves. Ideal for glass, metal, woodworking, and automotive trades. Does not mar surfaces and is non-sparking.

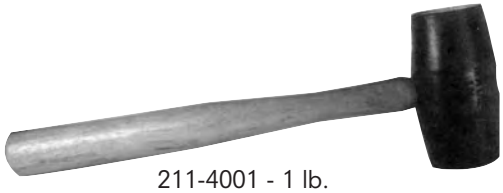
STOCK NO.	Weight	Head Size	Length	UNIT PKG.
211-4021	1-1/2 lbs.	1-3/4"	11"	ONE

Hard Rubber Mallets

Ideal For Use On:

- **Auto Glass Channels**
- **Storefront Sections**
- **Wood Window and Screen Frames**





211-4001 - 1 lb.



211-4002 - 2 lbs.

These are multipurpose tools, perfect for setting glass in auto channels or striking materials where marring must be avoided. They have 10" lacquered hickory handles with durable rubber heads.

STOCK NO.	Weight	Head Size	UNIT PKG.
211-4001	1 lb.	3-3/4" x 2-1/4"	ONE
211-4002	2 lbs.	4-1/4" x 2-3/4"	ONE

Soft Face Hammer



Made of tough ethyl cellulose and will not mark surfaces. Stained hickory handle.

STOCK NO.	Weight	Head Size	Length	UNIT PKG.
211-4015	1 lb.	3-5/8" x 1-3/8"	13-1/4"	ONE

SAFETY NOTE

Protect your eyes. Always wear safety eyewear when using striking tools. Coated tool handles are for comfort and grip enhancement only. They DO NOT protect against electrical shock.

Punches and Hammers

PROTO

Long Drive Pin Punch



- Super Duty One Piece Design - Made of Heat-Treated Tool Steel for Greater Strength and Ductility
- Modified Struck End for Resistance to Chipping

STOCK NO.	Pin Dia.	Length	UNIT PKG.
211-4368	5/32″	8″	ONE PUNCH

Center Punch



- Use for Marking Intersecting Center Lines, Hole Locations, and Pilot Drill Starting Points

STOCK NO.	Point Dia.	Length	UNIT PKG.
211-4369	1/4″	4-1/4″	ONE PUNCH

Starting Punch



- Designed for Installing Pins and Rivets and for Starting Their Removal

STOCK NO.	Point Dia.	Length	UNIT PKG.
211-4370	1/8″	5-1/8″	ONE PUNCH

Long Aligning Punch



- Line Up Holes in Flanges, Assemblies and Other Mating Parts and for Removing Long Pins and Shafts

STOCK NO.	Point Dia.	Length	UNIT PKG.
211-4371	3/16″	16″	ONE PUNCH

Super Duty Cold Chisels



- Patented Design - Longer Shank w/Knurl for Sure Grip
- 20% Larger Striking Surface, Heat-treated Tool Steel

STOCK NO.	Cut Width	Length	UNIT PKG.
211-4372	1/2″	6-13/16″	ONE CHISEL
211-4373	5/8″	7-5/8″	ONE CHISEL

Punch and Chisel Holder



- Holds Punches and Chisels Up to 1″ in diameter
- Nylon Insert Absorbs Shock - Large 4-Sided Handle

STOCK NO.	Description	UNIT PKG.
211-4374	Punch/Chisel Holder	ONE HOLDER

STANLEY

Nail Hammers

Curved Claw



- High Carbon Steel Head Fully Heat-Treated With Polished Bell Face
- Hickory Handle

STOCK NO.	Weight	Length	UNIT PKG.
211-4213	7 oz.	11-1/2″	ONE HAMMER
211-4316	16 oz.	13-1/4″	ONE HAMMER

STANLEY

Jacketed Graphite Hammers



- High Carbon Steel Head Exceeds ANSI Safety Specs.
- Permanently Secured Head to Handle
- New Ribbed Grip Handle Allows Air to Cool Hand and Channel Sweat Away
- Stanley Exclusive Rim Tempered™ Process
- Jacket Graphite Handle to Reduce Shock and Vibration
- Complete Overstrike Protection, Flared Butt Provides Greater Swing Control Reduces Slippage

STOCK NO.	Claw	Weight	Length	UNIT PKG.
211-4441	Rip	16 oz.	13-1/4″	ONE HAMMER
211-4352	Curved	20 oz.	13-1/4″	ONE HAMMER

STANLEY

Antivibe™ Hammer

Framing Hammer



- Provides 8x Better Vibration Reduction Compared to the Leading All-Steel Hammer
- Reduces Exposure to Vibrational Energy Generated During Repetitive Hammering Impacts to Work Piece
- The High Carbon, Polished Steel Head is Precision Balanced for a Superior Swing
- Patented Head-to-Handle Assembly for Added Safety

STOCK NO.	Weight	Length	UNIT PKG.
211-4331	24 oz.	15″	ONE HAMMER

Chisels, Pry Bars and Impact Driver

STANLEY® "Wonder"™ Pry Bar



This Stanley tool is made of forged tempered steel, for extra toughness and strength. It has polished and beveled cutting edges.

STOCK NO.	Blade Width	Length	Weight	UNIT PKG.
213-4055	1-3/4"	12-3/8"	22.5 oz.	ONE TOOL

"Lil" Jimmie Moulding Chisel



Scrapes, Opens, and Prys

The all-purpose "Lil" Jimmie chisel has been the choice of glaziers, framers and carpenters for over 40 years. It is designed to remove wood mouldings without surface damage and is ideal for getting at weights in double hung windows, or for loosening stuck window frames.

STOCK NO.	Blade Width	Length	Weight	UNIT PKG.
213-4150	1-3/4"	9-1/2"	7 oz.	ONE TOOL

Mulligan Bar



Drives Points, Prys and Scrapes

Drive points and remove window and door sash mouldings with this handy, economically priced tool. Use to pry open stuck windows etc. Made of high carbon tempered steel, the tool has ground edges and a nail slot.

STOCK NO.	Blade Width	Length	Weight	UNIT PKG.
213-4050	1-1/2"	9-3/8"	7 oz.	ONE TOOL

Mini Pry Bar



The "Mini" prys open stuck windows, can lids and drawers, and detaches window or screen mouldings. Both ends are chisel-ground for effective surface scraping action. Made of tempered steel, heavy duty construction. A perfect fit for the tool pouch.

STOCK NO.	Blade Width	Length	Weight	UNIT PKG.
213-4051	1"	8-1/2"	5.5 oz.	ONE TOOL

Hand Impact Driver Set



- 13 Piece

Set features 5-1/2" long driver with heavy duty spring for added torque. Set contains six Phillips bits (1/4" & 5/16" hex), four Slotted bits (1/4" & 5/16" hex), and two bit holders.

STOCK NO.	Description	UNIT PKG.
213-3500	13 Piece Set	ONE SET

STOCK NO.	Replacement Bits	UNIT PKG.
213-3566	No.1 Phillips, 1/4" Hex	ONE BIT
213-3560	No.2 Phillips, 1/4" Hex	ONE BIT
213-3562	No.3 Phillips, 1/4" Hex	ONE BIT
213-3564	10F-12R Slotted, 5/16" Hex	ONE BIT
213-3567	14F-16R Slotted, 5/16" Hex	ONE BIT

Squeeze Wrench

- 22 Piece Tool System
- Commercial Doors
- Auto Glass

Quick change from ratchet wrench – to allen wrench – to screwdriver!

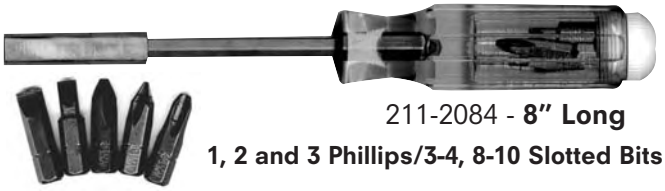


This revolutionary tool gets into tight spots, where no other tool can, and works where you can't even wiggle a standard wrench. The socket head turns, not the wrench. It's ideal for glass door frame "cut-downs" on bolted doors because of the 9/16" wrench head. 22 piece tool system consists of:
Socket Wrench: English - 1/4", 5/16", 3/8", 7/16", 1/2", 9/16". Metric - 9mm, 10mm, 11mm, 12mm, 13mm, 14mm.
Screwdriver: 2 Slotted and 2 Phillips head bits.
Allen Wrench: 1/8", 5/32", 3/16", 7/32", 1/4", 5/16"

STOCK NO.	Description	UNIT PKG.
211-5050	22 Piece Wrench Set	ONE SET

Screwdrivers

Magnetic Screwdrivers



211-2084 - **8" Long**

1, 2 and 3 Phillips/3-4, 8-10 Slotted Bits



211-2114 - **11" Long**

1 and 2 Phillips/3-4, 6-8 Slotted Bits

Each tool has a magnetic steel shank. Double fluted plastic handle allows a solid, comfortable grip. Bits stored in handle, with cap. Complete with 1/4" hex bits. See page 256 for replacement bits.

STOCK NO.	Overall Length	Included	UNIT PKG.
211-2084	8"	5 Bits	ONE DRIVER
211-2114	11"	4 Bits	ONE DRIVER

Magnetic Screwdriver

With 8 TORX Bits
Plastic Handle





This rugged screwdriver comes with 8 popular interchangeable TORX bits: T-7, T-8, T-9, T-10, T-15, T-20, T-25, and T-30. Magnetic aluminum shank holds bit and passes magnetism through it to hold screw. Extra bits store in plastic handle.

STOCK NO.	Shank Length	Overall Length	Included	UNIT PKG.
211-2400	6-1/2"	11-1/2"	8 Torx Bits	ONE DRIVER

Magnetic Screwdriver



Economically priced, magnetic hand driver has an enlarged retaining ring to hold bit firmly in place. Accommodates 1/4" hex shank bits and has a fluted handle.

STOCK NO.	Shank Length	Overall Length	UNIT PKG.
211-2103	4-1/2"	8-1/2"	ONE DRIVER

"6-in-One" Screwdriver



A man-sized screwdriver with a large 4-1/4" handle. Overall length 7-1/4". Dual bits (#1 & 2 Phillips and 3/16" & 5/16" Slotted), and dual Torx (T15 & T20, and T25 & T30) can be changed in seconds . . . just pull out, reverse bit, snap back in. Shaft consists of 2 hex nut setters, sizes 1/4" & 5/16".

STOCK NO.	Description	UNIT PKG.
211-2303	Screw Driver w/Bits	ONE SET
	Replacement Bits	
211-2302	Phillips Dual Bit No.'s 1 & 2	ONE
211-2307	Slotted Dual Bit 3/16" & 5/16"	ONE
211-2308	Torx Dual Bit T15 & T20	ONE
211-2309	Torx Dual Bit T25 & T30	ONE

Magnetic Screwdriving Kit 27 Piece Set



This fine American made set includes the following:

- Magnetic Hand Driver
- Magnetic Bit Holder
- Phillips Bits #1, #2, and #3
- Slotted Bits #3F-4R, #4F-5R, #6F-8R, #8F-10R, #10F-12R
  F = Flat Head. R = Round Head
- TORX® Bits T10, T15, T20, T25, T27, T30, T40
- Square Recess Bits 3/32" and 1/8"
- Hex Bits 5/64", 3/32", 7/64", 1/8" and 9/64"
- Pozidriv® Bits #1 and #2
- Plastic Carry Case

STOCK NO.	Description	UNIT PKG.
211-2950	27 Piece Set with Storage Case	ONE KIT

Hex Insert Bits

1/4" Phillips Insert Bits



A) Standard Phillips



B) Phillips Undercut Bit
Limited Clearance



C) Extra-Long Standard Phillips - 2"

1/4" Hex Shank

These professional quality insert bits are manufactured to exacting specifications. Made of premium alloy steel, fully hardened and tempered for constant use. "All-Hard" bits possess the toughness for driving sheet metal screws.

STOCK NO.	Screw Application	Lgth.	Type	UNIT PKG.
211-2221	No.1 Phillips-STD	1"	A	ONE BIT
211-2222	No.2 Phillips-STD	1"	A	ONE BIT
211-2225	No.3 Phillips-STD	1"	A	ONE BIT
211-2224	No.1 Phillips-LC	1"	B	ONE BIT
211-2229	No.2 Phillips-LC	1"	B	ONE BIT
211-2230	No.2 Phillips-LC	2"	B	ONE BIT
211-2223	No.2 Phillips-STD	2"	C	ONE BIT

1/4" Hex Drive Phillips Bits
POWER SCREWDRIVER BITS



These power screwdriver bits are made for contractors, mechanics and glaziers who demand professional performance. Great for installing storm doors, windows, etc. Manufactured from special shock resistant alloy steel, fully hardened and tempered, providing the strength for driving sheet metal screws.

STOCK NO.	Screw Application	Length	UNIT PKG.
211-7144	No. 1 Phillips Power Bit	2-3/4"	ONE BIT
211-7145	No. 2 Phillips Power Bit	2-3/4"	ONE BIT
211-7146	No. 3 Phillips Power Bit	2-3/4"	ONE BIT

Iso-Temp™ 1/4" Hex Drive "Claw" Phillips Bit
POWER SCREWDRIVER BITS



Iso-Temp Claw bits last up to 6 times longer than professional bits and 10 times longer than standard bits. They have tough, fracture resistant tips, with "claw-like" ribs that grip screws to greatly reduce slippage. Ideal for driving case hardened and drywall screws.

STOCK NO.	Screw Application	Length	UNIT PKG.
211-2202	No. 2 Phillips Power Bit	2"	FIVE BITS
211-2203	No. 3 Phillips Power Bit	2"	FIVE BITS

1/4" Hex Drive Slotted Bits
POWER SCREWDRIVER BITS



Designed for heavy duty screwdriver operations. Made of tough steel, hardened and tempered, for extra long life.

STOCK NO.	Screw Application	Length	UNIT PKG.
211-2208	No. 6 Flat-8 Round	2-3/4"	ONE BIT
211-2210	No. 8 Flat-10 Round	2-3/4"	ONE BIT

1/4" Slotted Insert Bits



1/4" Hex Shank

STOCK NO.	Screw Application	Length	UNIT PKG.
211-2211	No. 4 Slotted	1"	ONE BIT
211-2213	No. 6 or 7 Slotted	1"	ONE BIT
211-2214	No. 8 or 10 Slotted	1"	ONE BIT
211-2215	No. 10 or 12 Slotted	1"	ONE BIT

Pozidriv® Insert Bits



1/4" Hex Shank

Ideal for driving POZIDRIV headed screws, used by auto and telecommunications industries.

STOCK NO.	Point Size	Length	UNIT PKG.
211-2226	No. 1	1"	ONE BIT
211-2227	No. 2	1"	ONE BIT
211-2228	No. 3	1"	ONE BIT

1/4" Clutch Insert Head Bits



1/4" Hex Shank

Clutch head screws are found in many automotive window and body sections. Also for mobile home components.

STOCK NO.	Clutch Size	Length	UNIT PKG.
211-2241	5/32"	1-1/4"	ONE BIT
211-2242	3/16"	1-1/4"	ONE BIT
211-2243	1/4"	1-1/4"	ONE BIT

1/4" Insert Bit Holder Blocks

Handy Container for Storing Insert Bits

A handy container for screwdriver insert bits. 2 durable, molded plastic blocks act as a holder and a lid. Includes a full length magnetic bit holder. (Bits shown, not included)



STOCK NO.	Description	UNIT PKG.
211-2000	2 Piece Bit Block	ONE HOLDER

Hex Insert Bits

1/4" Torx Insert Bits

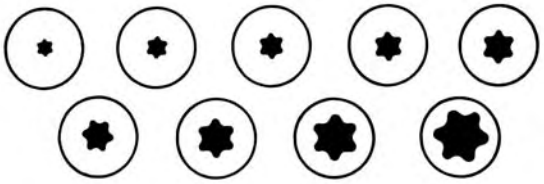


1/4" Hex Shank

Most American cars utilize the TORX drive system. They are found in headlights, turn signals, taillight, and exterior trims. Also used in computers, televisions, washing machines and vacuum cleaners.

STOCK NO.	Torx Size	Length	UNIT PKG.
211-2234	T-10	1"	ONE BIT
211-2235	T-15	1"	ONE BIT
211-2236	T-20	1"	ONE BIT
211-2237	T-25	1"	ONE BIT
211-2238	T-30	1"	ONE BIT

Torx 11 Piece Bit Set





The 9 most popular Torx bits have been selected for this set. Each set contains: 1/4" shank T-10, T-15, T-20, T-25, T-27, T-30, T-40 and 5/16" shank T-45, T-50 bits, and one each 1/4" and 3/3" square drive adapters.

STOCK NO.	Description	UNIT PKG.
211-2955	11 Piece Set with Pouch	ONE SET

1/4" Security Torx Insert Bits



Used in automobile carburetors and transmission cases, school bus seats, dormitory furniture, outdoor light fixtures, cable TV converter boxes and smoke detectors.

STOCK NO.	Torx Size	Length	UNIT PKG.
211-2253	T-10	1"	ONE BIT
211-2254	T-15	1"	ONE BIT
211-2255	T-20	1"	ONE BIT
211-2256	T-30	1"	ONE BIT
211-2257	T-40	1"	ONE BIT

1/4" Square Recess Insert Bits



1/4" Hex Shank

These 1/4" hex drive, square tip bits are precision made. The bits are fabricated of shock resistant steel that has been heat treated and tempered. They are also widely used in window and RV fabrication.

STOCK NO.	Screw Size	Nominal Screw Size	Length	UNIT PKG.
211-2100	3-4	1/16"	1"	ONE BIT
211-2101	5-6-7	3/32"	1"	ONE BIT
211-2102	8-9-10	1/8"	1"	ONE BIT
211-2104	12-14-1/4	9/64"	1"	ONE BIT

1/4" Hex (Allen) Insert Bits



1/4" Hex Shank

These alloy steel bits are an important accessory for cordless screwdrivers, drills and screw guns. They are fully hardened and tempered.

STOCK NO.	Screw Size	Hex Size	Set Screw Size	Lgth.	UNIT PKG.
211-2270	2-3	5/64"	8	1"	ONE BIT
211-2271	4-5	3/32"	10	1"	ONE BIT
211-2272	6	7/64"		1"	ONE BIT
211-2273	8	1/8"	1/4"	1"	ONE BIT
211-2274	8	9/64"		1"	ONE BIT
211-2275	10	5/32"	5/16"	1"	ONE BIT
211-2276	1/4"	3/16"	3/8"	1"	ONE BIT
211-2277		7/32"	7/16"	1"	ONE BIT

Makita® Screw Finder/Driver



Four Tools In One

The screw holder makes starting screws easy. It holds the screw in the correct starting position without wobbling or disengagement. Excellent for extra long screws and straight slotted screws. The finder slides over the screw and keeps bit in the slot. Extension allows access to hard to reach places. Holder is magnetic, holds all types of insert bits. Accepts No. 10 and smaller screws, No. 2 phillips and 6-8 slotted bits.

STOCK NO.	Description	UNIT PKG.
211-7470	Makita Finder/Driver	ONE DRIVER

Bit Holders, Taps and Drivers

Magnetic Hex Bit Holder



This long insert bit holder enables screw guns and drills to hold 1/4" hex insert. Holder will accommodate all SOMACA 1/4" hex insert bits.

STOCK NO.	Hex Size	Length	UNIT PKG.
211-7490	1/4"	3-3/8"	ONE HOLDER

Magnetic Hex Head Screw Holders



A necessary holder for electric drills, screwdrivers and screw guns. For power driving of hex head screws and bolts.

STOCK NO.	Hex Size	Lgth.	Socket Dia.	UNIT PKG.
211-7441	1/4"	1-5/8"	7/16"	ONE HOLDER
211-7442	5/16"	1-5/8"	1/2"	ONE HOLDER
211-7445	3/8"	1-5/8"	9/16"	ONE HOLDER

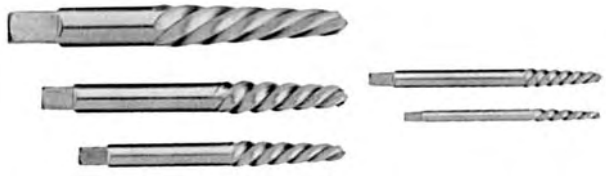
YANKEE Magnetic Holder



This magnetic bit holder fits YANKEE ratchet drivers.

STOCK NO.	Shank	Length	UNIT PKG.
211-7450	9/32"	3-3/8"	ONE HOLDER

Screw Extractor Set



Used for removal of broken screws and bolts without damaging hole threads. Contains extractor No.'s 1, 2, 3, 4 and 5. Will remove practically all sizes of screws and bolts.

STOCK NO.	Description	UNIT PKG.
212-1815	Screw Extractor Set (No.'s 1-5)	ONE SET

Machine Screw Hand Taps

- **4 Flutes**



These American-made, high speed, carbon steel taps are of superior quality and have a tapered point.

STOCK NO.	Dia.	Threads Inch	Threads Length	Overall Length	UNIT PKG.
211-9770	10	24	7/8"	2-3/8"	ONE TAP
211-9772	12	24	15/16"	2-3/8"	ONE TAP
211-9708	1/4"	20	1"	2-1/2"	ONE TAP

Offset Screwdriver Power Head

Use With Cordless Drill Driver or Cordless Screwdriver

Milwaukee®



- **1/4" Magnetic Bit Reception**

The power head uses the power and speed of your cordless drill driver or cordless screwdriver to fasten or remove screws in tight applications. It is made of durable die cast construction, with 1/4" magnetic bit reception for standard bits and 360° adjustable thumb flange. Maximum torque: 100 in. lbs., 400 rpm.

STOCK NO.	Description	UNIT PKG.
211-5024	Offset Screwdriver Power Head	ONE TOOL

Panasonic Cordless 3.6V Drill Driver Kit

- **15 Min. Charging Time**
- **Maximum Torque - Low 39 in. lbs. High 13 in. lbs.**
- **No Load Speed - Low 200, High 600 rpm**



Kit Includes: drill driver, battery pack and charger.

STOCK NO.	Description	UNIT PKG.
211-7051	3.6V Drill Driver Kit	ONE KIT
211-7052	3.6V Ni-Cd "C" Battery Pack	ONE
211-7063	15 Min. 2.4V-3.6V Charger	ONE

Magnetic Screwdrivers





211-2084 - **8" Long**

1, 2 and 3 Phillips/3-4, 8-10 Slotted Bits





211-2114 - **11" Long**

1 and 2 Phillips/3-4, 6-8 Slotted Bits

Each tool has a magnetic steel shank. Double fluted plastic handle allows a solid, comfortable grip. Bits stored in handle, with cap. Complete with 1/4" hex bits. See page 256 for replacement bits.

STOCK NO.	Overall Length	Included	UNIT PKG.
211-2084	8"	5 Bits	ONE DRIVER
211-2114	11"	4 Bits	ONE DRIVER

Nut Drivers and Awls

Nut Driver Set

10 Piece Set



This set of ten nut drivers has a precision machined steel hollow shaft with a polished, plated finish. Color coded plastic handles. Sturdy plastic case included.
Sizes Include: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2" and 9/16".

STOCK NO.	Description	UNIT PKG.
211-2875	10 Piece Set	ONE SET

Popular Replacement Nut Drivers

STOCK NO.	Opening	UNIT PKG.
211-2876	1/4"	ONE
211-2877	5/16"	ONE

Metric Nut Driver Set

10 Piece Set





This set consists of 10 solid shaft metric nut drivers in 7" x 3-1/2" metal stand. The chrome plated solid shafts are solidly anchored in bright blue plastic handles.
Sizes Include: 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, and 11mm.

STOCK NO.	Description	UNIT PKG.
211-2900	10 Piece Set w/Stand	ONE SET

Popular Replacement Nut Drivers

STOCK NO.	Opening	UNIT PKG.
211-2906	7mm	ONE
211-2909	10mm	ONE

CRESCENT® Bulb Awl



Superbly made scratch awl has a bulb-shaped hickory handle which molds into the user's palm. Oversized bulb provides solid gripping power. The blade, shank and head are forged from one piece, fine domestic tool steel.

STOCK NO.	Blade	UNIT PKG.
211-3699	1/4" x 3-7/8"	ONE

STANLEY® Flat Side Awl



This awl is a great aid for starting pilot holes in porous working materials. Commonly used to scratch markings on sheet metal and tin. Handy for removing various small fasteners, staples, pins, etc. and lids from cans. The flat wood handle prevents tool from rolling off contoured work surfaces.

STOCK NO.	Blade	UNIT PKG.
211-3602	3/16" x 3-3/8"	ONE

STANLEY® Scratch Awl

Flat Side



An economically priced ice pick and scratch awl that has a multitude of uses: hole starting, ice fracturing, and punching holes in leather and plastic. Wood handle has 2 flat sides.

STOCK NO.	Blade	UNIT PKG.
211-3603	1/4" x 3-1/8"	ONE

Automatic Center Punch



This tool was designed for marking and punching in non-ferrous metals, or as a nail starter in wood. It keeps drills from wandering over the piece, allowing you to drill straight and accurately. By merely pressing down the tool, the enclosed spring does the work. Spring activated collar adjusts for desired pressure. Widely used as a testing tool by glass tempering manufacturers.

STOCK NO.	Description	UNIT PKG.
211-3709	Complete Tool	ONE
211-3710	Replacement Point	ONE
200-3779	Heavy Duty 5/8 Tool	ONE
200-3778	Heavy Duty 5/8 Replacement Point	ONE

Wrench Sets, Screwdrivers and Nail Gun

Blackhawk™ PROFESSIONAL HAND TOOLS

Combination Wrench Sets

Full Polish 9 Piece Set - 12 Point



Sizes Include: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", and 3/4". Wrench rack included.

STOCK NO.	Description	UNIT PKG.
211-4358	9 Piece Set w/Rack	ONE SET

Metric - Full Polish 9 Piece Set - 12 Point

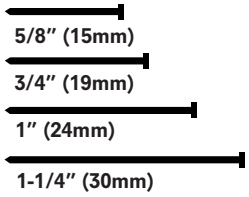


Sizes Include: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, and 18mm. Wrench rack included.

STOCK NO.	Description	UNIT PKG.
211-4359	9 Piece Set w/Rack	ONE SET

Professional Electric Nail Gun

Shoots 4 Different Size Brad Nails





- **14 Amps of Power**
- **Solid State Reliability, UL Listed**
- **Dual Safety Switches: Trigger Safety Switch, Contact-Fire Safety Switch**
- **10' Power Cord**
- **Visible Nail Window**
- **Drive Depth Control**
- **High Carbon Hardened Steel Working Parts**
- **Quick-Release Nail Chamber Latch**
- **Contact Non-Marring Bumper**

STOCK NO.	Description	UNIT PKG.
313-0000	Electric Brad Nailer	ONE GUN

BRAD NAILS

STOCK NO.	Length	Contents	UNIT PKG.
313-0058	5/8"	500	ONE BOX
313-0034	3/4"	2000	ONE BOX
313-0001	1"	2000	ONE BOX
313-0114	1-1/4"	2000	ONE BOX

STANLEY® Screwdriver Sets



Set Includes: 1-1/2" standard stubby, 2" pocket, 4" and 6" standard, 3" and 6" cabinet, 0 pt. Phillips pocket, 1 pt. Phillips, 2 pt. Phillips stubby, and 2 pt. Phillips. Carded.

STOCK NO.	Description	UNIT PKG.
211-4360	10 Piece Set	ONE SET

Contractor Grade



Screwdrivers feature full size vinyl grips, Boron Steel Blade, precision ground tips, and are chrome plated to resist corrosion.
Set Includes: 3" cabinet, 4" and 6" standard, 6" cabinet, 1 pt. Phillips, 2 pt. Phillips. Carded.

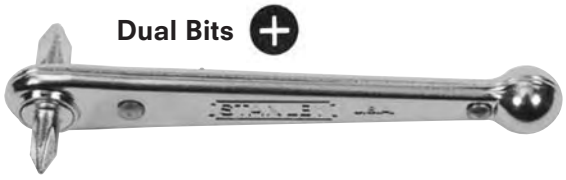
STOCK NO.	Description	UNIT PKG.
211-4361	6 Piece Set	ONE SET

INDIVIDUAL SCREWDRIVERS

STOCK NO.	Description	UNIT PKG.
211-4362	3" Cabinet Screwdriver	ONE
211-4363	4" Standard Screwdriver	ONE
211-4364	6" Standard Screwdriver	ONE
211-4365	8" Cabinet Screwdriver	ONE
211-4366	3" No. 1 Phillips	ONE
211-4367	4" No. 2 Phillips	ONE

"Offset" Ratchet Screwdrivers

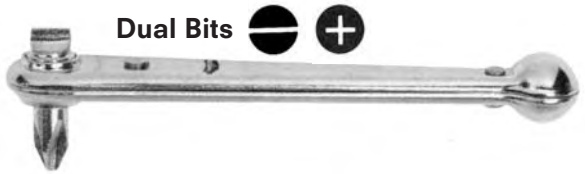
Dual Bits ⊕



This vest-pocket tool has the power of an ordinary eight inch screwdriver. It needs only an inch or so of clearance. Blade is a special alloy steel properly hardened and tempered.

STOCK NO.	Point No.	Type	UNIT PKG.
211-2612	No. 1 and 2 Phillips	Dual	ONE DRIVER

Dual Bits ⊖ ⊕

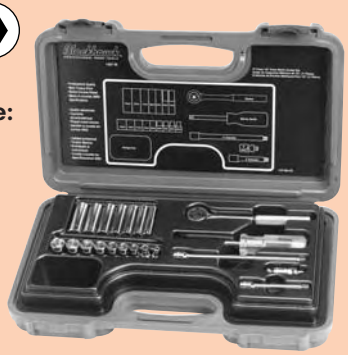


STOCK NO.	Point No.	Type	UNIT PKG.
211-2602	1/4" Slotted - No. 2 Phillips	Dual	ONE DRIVER

Drive Socket Sets

3/8" Drive Socket Sets

Metric - 6 Point 21 Piece Set



Deep Socket Sizes Include: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm.
Socket Sizes: 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm.
Spinner handle, universal joint, 3" extension, 6" extension, round head reversible ratchet, and molded case are included.

STOCK NO.	Description	UNIT PKG.
211-4354	21 Piece Set w/Case	ONE SET

Metric - 6 Point 24 Piece Set



Deep Socket Sizes Include: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 17mm, 19mm.
Socket Sizes: 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm.
Round head reversible ratchet, 3" extension, 5/8" spark plug socket and molded case are included.

STOCK NO.	Description	UNIT PKG.
211-4355	24 Piece Set w/Case	ONE SET

6 Point 20 Piece Set



Deep Socket Sizes Include: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16".
Socket Sizes: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", and 7/8".
Round head reversible ratchet, 3" extension, 6" extension and molded case are included.

STOCK NO.	Description	UNIT PKG.
211-4356	20 Piece Set w/Case	ONE SET

1/4" Drive Socket Set

6 Point 21 Piece Set



Deep Socket Sizes Include: 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2".
Socket Sizes: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", and 1/2".
Spinner handle, universal joint, 3" extension, 6" extension, round head reversible ratchet and molded case are included.

STOCK NO.	Description	UNIT PKG.
211-4357	21 Piece Set w/Case	ONE SET

1/4" Drive Socket Sets

12 Point 12 Piece Set

STANLEY PROTO



TorquePlus® Fastening System allows tool to contact the fastener away from the corner while dispensing stress over larger area.

Socket Sizes Include: 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2", 9/16". Ratchet, 6-1/8" socket driver, and metal carrying case included. Weight: 1.4 lbs.

STOCK NO.	Description	UNIT PKG.
211-4375	12 Piece Set w/Case	ONE SET

Metric - 6 Point 17 Piece Set

STANLEY PROTO



With TorquePlus® Fastening System

Socket Sizes Include: 4mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm and 14mm. Ratchet, 2" extension, 6" extension, 6-1/8" socket driver, universal joint and metal carrying case also included. Weight: 2.5 lbs.

STOCK NO.	Description	UNIT PKG.
211-4376	17 Piece Set w/Case	ONE SET

Folding Hex and Torx Key Sets

Eklind®

Medium and Long Arm Hex Key Sets - Inch



13 Keys
213-0213

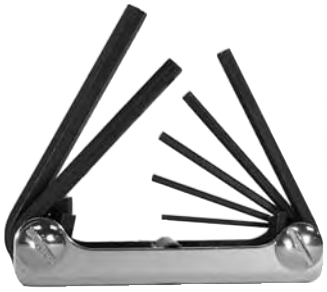


9 Keys
213-1240

Compact self-contained Hex Key Sets. The 9-key set contains sizes of 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" and 1/4". Keys are 2" to 3-7/8" long and fold into handle. Long arm set has 13 keys: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, and 3/8.

STOCK NO.	Description	Handle	UNIT PKG.
213-1240	Med. Arm - 9 Keys	4-1/4"	ONE SET
213-0213	Long Arm - 13 Keys		ONE SET

Medium and Long Arm Hex Key Metric Sets



7 Keys
213-1241



9 Keys
213-1231

Fold-up set includes seven medium arm hex keys: 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, and 8.0mm.
Hex key set in molded holder contains 9 long arm keys: 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 8.0 and 10mm

STOCK NO.	Description	UNIT PKG.
213-1241	Medium - 7 Keys	ONE SET
213-1231	Long Arm - 9 Keys	ONE SET

Long Arm Hex Key Set 8 Keys - Inch



The keys are extra long for hard-to-reach socket screws. Set contains 8 hex keys: 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32" and 1/4". Keys are 4" to 5" long and fold up compactly into handle. Made of chrome-nickel alloy steel.

STOCK NO.	Description	Handle	UNIT PKG.
213-1238	Long Arm - 8 Keys	5-1/4"	ONE SET



Medium and Long Arm TORX Key Sets

Arms fit new type recessed screws in late-model cars and appliances.





7 Keys
213-1245

14 Keys
213-0214

No more searching for the right TORX size or losing individual bits. Our folding Torx Key Set has the seven most used sizes: T-10, T-15, T-20, T-25, T-27, T-30, and T-40.
The long arm Torx set has 14 keys: T-6, T-7, T-8, T-9, T-10, T-15, T-20, T-25, T-27, T-30, T-40, T-45, T-50, and T-55.

STOCK NO.	Description	Handle	UNIT PKG.
213-1245	Med. Arm - 7 Keys	4-1/4"	ONE SET
213-0214	Long Arm - 14 Keys		ONE SET

Pliers

Cee Tee Co.® Combination



These pliers are designed for gripping and turning round objects such as pipes, rods and pins. Features a curved jaw combination with machined gripping teeth and a wire cutter. Forged from carbon steel and accurately machined, hardened and tempered. Bright, plated finish.

STOCK NO.	Length	Capacity	Weight	UNIT PKG.
211-4526	6-1/2″	1″	8 oz.	ONE
211-4527	8″	1″	9.6 oz.	ONE

Straight Jaws



Features straight jaws and self-locking jaw adjustment. Made from the finest quality tool steel, grips all shapes like rods, pipes and cable connections. Precision milled ribs assure a smooth, positive interlock between the two halves with no chance of the halves separating or jumping out of the grooves. Tool is forged, hardened and tempered with red non-slip cushion handle grips.

STOCK NO.	Length	Capacity	Weight	UNIT PKG.
211-4611	7″	1-1/8″	7.04 oz.	ONE
211-4612	10″	1-1/2″	15.04 oz.	ONE
211-4616	12″	2-1/2″	25.18 oz.	ONE

Box Joint Pliers



Made of drop-forged chrome vanadium steel for the strongest loads. Self-gripping jaws are designed for non-slip operation on round, hexagonal and square work pieces. Seven-position box joint for variable adjustments and work piece sizes. The box joint insures the tool adjustment position doesn't slip under load. The handle and joint is designed to prevent the operator's fingers from being squeezed. Plastisol handle improves grip and comfort. Thin jaw allows access to tight work areas.

STOCK NO.	Length	Capacity	Weight	UNIT PKG.
211-4651	12″	2″	17.30 oz.	ONE

Long Chain Nose Side Cutting



Designed for reaching confined areas. Long chain nose with fine serrated jaws useful for making wire loops and bends. Electronically induction hardened and hand-honed, keen side cutting edges. Made of forged alloy tool steel and individually tested for strength and cutting ability. Polished head.

STOCK NO.	Length	"A" Length	Weight	UNIT PKG.
211-4654	6-5/8″	1-7/8″	6.08 oz.	ONE
211-4653	7-1/2″	2-21/32″	7.04 oz.	ONE

Robo-Grip® - The Smart Pliers



- **Patented Design Adjusts Jaws Automatically**
- **Laminated Steel Construction Adds Extra Strength**
- **Spring Loaded Design Allows for One-Handed Use**
- **Multiple Rack Teeth for 9 Different Jaw Settings**

Professional Robo-Grip Pliers are designed to self adjust around any object. Spring loaded for one-handed operation. Exclusive cam mechanism adjusts as quickly as you can squeeze the handle. Grip to 1-1/2″.

STOCK NO.	Description	UNIT PKG.
211-5510	9″ Straight Jaw	ONE
211-5509	9″ Curved Jaw	ONE
211-5511	9″ Notched Jaw	ONE
211-5512	Robo Guards - Protect Finishes	5 PAIR

Heavy-Duty Diagonal Cutter



Designed for heavy-duty wire cutting with electronically induction hardened and hand-honed, long-lasting cutting edges. Made of forged alloy tool steel and individually tested for strength and cutting ability. Polished head with red non-slip cushion handle grips. Head is angled for offset cutting with semi-flush cutting edges.

STOCK NO.	Description	UNIT PKG.
211-4661	8″ Heavy Duty Diagonal Cutter	ONE

General Purpose Diagonal Cutting

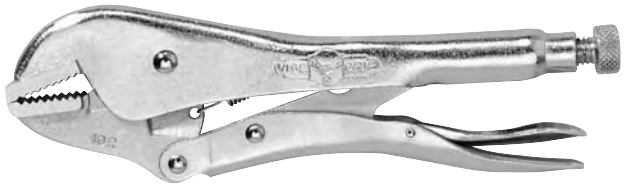


Made for general wire and flush cutting in confined spaces. Has a standard jaw with electronically induction hardened and hand-honed, long cutting edges for harder wires. Round joint design. Made of drop-forged alloy steel and individually tested for strength and cutting ability. Polished head with red non-slip cushioned handle grips.

STOCK NO.	Description	UNIT PKG.
211-4662	6″ Diagonal Cutters	ONE

VISE-GRIP® Locking Pliers

Straight Jaw Locking Pliers



Straight jaws allow for maximum contact on flat, square or hex work. Very popular in welding and other metal work. Use for safer grinding or as a portable vise.

STOCK NO.	Length	Jaw Adjustments	UNIT PKG.
211-4507	7″	0 to 1-1/8″	ONE
211-4510	10″	0 to 1-5/8″	ONE

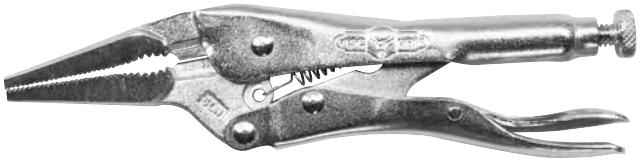
Curved Jaw Locking Pliers



Involute jaw curve permits user to put tremendous pressure on four points of any style nut or bolt head.

STOCK NO.	Length	Jaw Adjustments	UNIT PKG.
211-4513	7″	0 to 1-5/8″	ONE
211-4511	10″	0 to 1-7/8″	ONE

Long Nose Locking Pliers



Convenient wire cutter cuts up to a 1/4″ bolt. Long, straight nose allows for use in narrow spaces not reachable by curved or straight jaws. Use to clamp or tighten bolts or to extract items in hard-to-reach places.

STOCK NO.	Length	Jaw Adjustments	UNIT PKG.
211-4514	4″	0 to 1-5/8″	ONE
211-4512	6″	0 to 2-1/4″	ONE

Locking Clamps with Regular Tips





Locks work with the squeeze of one hand. High-grade alloy steel heat treated for maximum toughness and durability.

STOCK NO.	Length	Jaw Adjustments	UNIT PKG.
211-4501	11″	0 to 4″	ONE

Files

Aluminum Files - Type "A" Flat



Flat shaped, double-cut file has special tooth construction that eliminates clogging when filing aluminum. Both the 8" and 10" have the same number of teeth per inch. A smooth finish is obtained by using a shearing cut toward the left.

STOCK NO.	Size	UNIT PKG.
211-3821	8"	ONE
211-3822	10"	ONE

Aluminum File - Type "A" Half Round



STOCK NO.	Size	UNIT PKG.
211-3825	10"	ONE

Mill Files



A rectangular shaped file with a single-cut on the sides and edges. Used for sharpening mill or circular saws, and draw filing and finishing metals. Has two square edges that taper slightly in width.

STOCK NO.	Size	UNIT PKG.
211-3832	10"	ONE

Magicut Files



Used as an all-purpose file to remove stock rapidly and leave a smooth finish. File features a pattern of narrow chip breakers created by steep and angled serrations for rapid removal and smoother finish. Tapered point in width.

STOCK NO.	Size	UNIT PKG.
211-3837	10"	ONE

Handy File



One side is single-cut for use in tool sharpening and smoothing metal surfaces. The reverse is double-cut for general filing and rapid stock removal. Rectangular shaped with one cut edge and one safe edge. Length measured excludes handle.

STOCK NO.	Size	UNIT PKG.
211-3830	8"	ONE

Plastics File



Used for filing a wide range of plastics and other soft materials. Cleans easy. Laboratory tests were performed on Masonite, C-Grade Phenolic, UHMW Polyethylene, Nylon and Acrylic with outstanding results. Rectangular shape.

STOCK NO.	Size	UNIT PKG.
211-3831	8"	ONE

Square File



Ideal for slots, keyways and general surface filing. Square shape with a double cut and tapered slightly toward point.

STOCK NO.	Size	UNIT PKG.
211-3828	3/8" x 10"	ONE

Round File



Primarily for filing circular openings or concave surfaces. Single cut and tapered slightly towards point.

STOCK NO.	Size	UNIT PKG.
211-3827	5/16" x 8"	ONE

Wooden Handle and File Cleaner





Made from seasoned white birch with nickel-plated ferrules. Handles have a shellac finish and strong metal ferrules.

STOCK NO.	Description	Size	UNIT PKG.
211-3841	Wood Handle	4-7/8" x 1-5/16"	ONE
211-3842	File Cleaner		ONE

Levels, Squares and Hacksaws

Mayes Professional Mahogany Level



Crafted from genuine Mahogany with angle-seal brass binding. Heavy glass windows are putty sealed for protection against dust and moisture. Bent glass vials insure professional accuracy.

STOCK NO.	Description	UNIT PKG.
213-1445	48" Level - 6 Vial	ONE LEVEL
213-1446	48" Level Case	ONE CASE

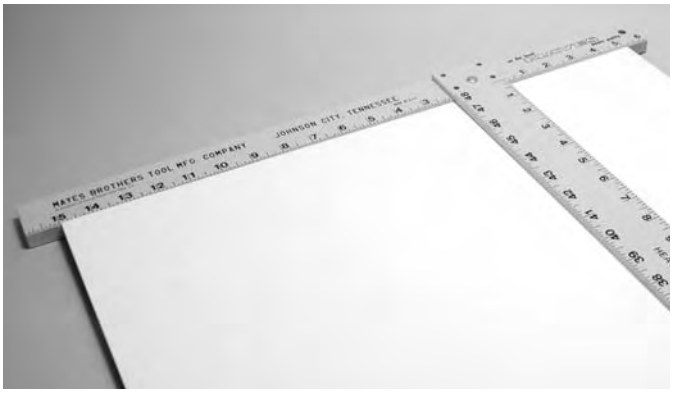
Mayes Top View Aluminum Magnetic Level



This level features a fully magnetic V-Groove base which will grab corners and self-center on round surfaces.

STOCK NO.	Description	UNIT PKG.
213-4024	24" Level - 3 Vial	ONE LEVEL

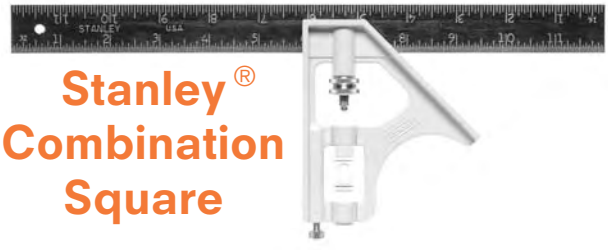
Mayes Drywall Square



Sturdy extruded aluminum drywall square is a full 3/16"thick. Body is standard outlet size, permitting easy marking. Finished in easy to read non-glare, durable powdered paint. Shipped KD.

STOCK NO.	Description	UNIT PKG.
213-4124	48" Wallboard Square	ONE SQUARE

Stanley® Combination Square



Premium combination square has a removable grooved blade graduated in 1/8ths, 16ths, and 32nds in a highly visible blade. Level vial is built into the handle.

STOCK NO.	Description	UNIT PKG.
213-1121	12" Combination Square	ONE SQUARE

Stanley® 9" Torpedo Level



Stanley's level features 3 vial top readings and is made of tough, shock resistant ABS plastic. The three 360° vials plumb, level and 45°. Magnetic strip allows hands to be free.

STOCK NO.	Description	UNIT PKG.
213-1263	9" Torpedo Level	ONE LEVEL

Straight Edge Rules



A non-glare satin finish with thermo-bonded embossed graduations make this rule easy to read. Made of .125 extruded 2" wide aluminum.

STOCK NO.	Description	UNIT PKG.
213-4224	48" Rule	ONE RULE
213-4225	72" Rule	ONE RULE

Stanley®Cushion Grip Multi-Saw



Cuts a wide variety of materials - wallboard, wood, metal and plastic. Ideal for close quarters. Accepts standard reciprocating or hacksaw blades.

STOCK NO.	Description	UNIT PKG.
213-4325	Multi-Saw	ONE SAW

Nicholson® Hacksaw



Hacksaw frame provides 3,000 psi blade tension which prevents blade binding and assures square cuts. Uses 12" blade.

STOCK NO.	Description	UNIT PKG.
211-6265	Complete with 12" Blade	ONE SAW

Stanley® Tubular Hacksaw



Rustproof, nickel-plated tubular steel frame handle. Push-button locking pin provides fast frame adjustment for 10" and 12" blades. Blade can be faced in four directions.

STOCK NO.	Description	UNIT PKG.
211-6408	Complete with 10" Blade	ONE SAW

Hacksaw and Grit Edge Blades

STANLEY® Hacksaw Blades*

• Excellent Quality • High Speed



These superb, hard edged, long wearing blades are break resistant and ideal for cutting soft metals, such as aluminum, brass, or copper. Best steel hand blade for general cutting.


Edge of Blade

SOLD PER BUNDLE OF 10 BLADES

STOCK NO.	Length	TPI	Type	Contents	UNIT PKG.
211-6228	12″	18	Raker	10	ONE BUNDLE
211-6229*	12″	24	Wavy	10	ONE BUNDLE
211-6230*	12″	32	Wavy	10	ONE BUNDLE

NICHOLSON® Bi-Metaloy Hacksaw Blades

• Premium Quality • High Speed



Last twice as long as high speed steel and up to ten times longer than carbon steel. With their exceptional combination of tooth hardness and shock resistance, these blades can operate 20% to 50% faster resulting in lower costs per cut.


Edge of Blade

SOLD PER BUNDLE OF 10 BLADES

STOCK NO.	Length	TPI	Type	Contents	UNIT PKG.
211-6218	12″	18	Raker	10	ONE BUNDLE
211-6224	12″	24	Wavy	10	ONE BUNDLE
211-6226	12″	32	Wavy	10	ONE BUNDLE

Bi-Metal Hacksaw Blades

• Good Quality • High Speed



Economy priced, shatterproof bi-metal blades ideal for general cutting. They have a long lasting hard edge and will outlast 5 to 10 carbon steel blades.

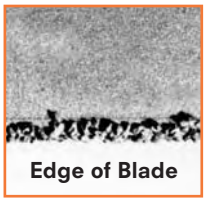
SOLD PER BUNDLE OF 10 BLADES

STOCK NO.	Length	TPI	Type	Contents	UNIT PKG.
211-6214	12″	18	Raker	10	ONE BUNDLE

REMINGTON Carbide "Grit Edge" Saw Blade



This tungsten carbide blade cuts easily into hard metals, glass, tile, masonry, laminates, marble, fiberglass, etc. Its two stroke "double-action" cuts on both forward and reverse stroke and is twice as fast as single action hacksaw blades. Fits all standard hacksaw frames.


Edge of Blade

STOCK NO.	Length	UNIT PKG.
211-6410	12″	ONE BLADE

REMINGTON Carbide "Grit Edge" Rod-Saw



Sharpness and hardness are features of the tungsten carbide rod saw. Makes a fast cut into glass, tile, ceramic, terrazzo, marble, etc. Cuts angles, curves, reversible for extra life . . . does the work of expensive tools such a bolt cutter, acetylene torches, diamond blades. Fits all standard hacksaw frames.

STOCK NO.	Length	UNIT PKG.
211-6412	12″	ONE BLADE

Close Quarter Mini-Hacksaw



This mini-hacksaw is great for light duty cutting of metals in hard to get at places. The molded plastic pistol handle offers hand comfort and bolsters the grip. Two blades are furnished (18 and 24 teeth).

STOCK NO.	Description	Handle Length	UNIT PKG.
211-6210	Handle w/2 Blades	5-1/2″	ONE SAW

STANLEY® "SharpTooth" Tool Box Saw



A 15″ saw that features a revolutionary and aggressive tooth configuration, that makes clean cuts in wood 50% faster than conventional saws. It fits in a tool box for easy storage and handling. Comfortable, hardwood handle has a special square/mitre feature built-in.

STOCK NO.	Description	TPI	UNIT PKG.
211-6334	15″ Crosscut Saw	9	ONE SAW

Circular Saw Blades



Carbide Tipped Circular Saw Blades

Premium Industrial Grade

Hardened and tempered body for life and accuracy. Anti-vibration slots for exact cuts as well as vibration and heat reduction. Made of industrial grade carbide - C4 tungsten carbide tip. For cutting non-ferrous metals and plastics. Dual cutting action finishes and cleans the cut.

5/8" Arbor - .118" Kerf

STOCK NO.	Dia.	Teeth	Hook Angle	UNIT PKG.
230-3347	9"	60	5	ONE
230-3348	10"	60	5	ONE
230-3346	10"	80	5	ONE

Contractors Grade

Heated treated steel for extra strength. Expansion slots reduce warping and dissipate heat. Made of industrial grade carbon. For cutting non-ferrous metals and plastics. Dual cutting action for clean cuts.

5/8" Arbor - .122" Kerf

STOCK NO.	Dia.	Teeth	Hook Angle	UNIT PKG.
230-3342	10"	60	13	ONE
230-3343	10"	80	-4	ONE

SOMACA All Steel

9" and 10" Saw Blades

High speed steel blades for aluminum extrusions and shapes, brass, copper tubing, sheets and rods and other non-ferrous metals. Hollow ground for side clearance, heat treated teeth properly sharpened for fast cutting. Use on radial arm saws, table saws, chop saws, and double miter saws.

STOCK NO.	Dia.	Teeth	Arbor	Thick.	UNIT PKG.
230-3928	9"	120	5/8"	1/16"	ONE
230-3332	10"	200	5/8"	3/32"	ONE

Carbide Tipped 14" Saw Blade



This premium quality carbide blade has a polished finish with protective coatings to prolong blade life. The carbide tips are diamond ground to a high tolerance of sharpness. It produces precise, burr-free cuts on non-ferrous metals.

STOCK NO.	Dia.	Arbor	Teeth	UNIT PKG.
230-3349	14"	25mm	100	ONE

Carbide Tipped 15" Saw Blade

This carbide tipped blade is made for use on Hitachi and most foreign-made bench model miter saws. Made with a special tooth rake and angles for clean, concise cutting.



STOCK NO.	Dia.	Arbor	Teeth	UNIT PKG.
230-3351	15"	1"	110	ONE

DAN-AM Carbide Tipped

10" and 12" Saw Blades

These carbide blades are suited for cutting storefront, window, thinwall tubing and light channeling. For best results, use on radial arm and chop-style machines.

STOCK NO.	Dia.	Arbor	Teeth	UNIT PKG.
230-3338	10"	5/8"	100	ONE
230-3341	12"	5/8"	100	ONE

Diamond Impregnated

8" and 10" Glass Cut-Off Blades



These diamond blades play a vital role in the glass trade. Invaluable for cutting out corners or cutting the two straight sides of hand or cash holes after round holes have been drilled. Also used for cutting glass blocks or glass tubing.

STOCK NO.	Dia.	Arbor	Thickness	UNIT PKG.
260-3508	8"	5/8"	.040"	ONE
260-3510	10"	5/8"	.040"	ONE

High Speed Steel Drills

High Speed Drills

118° Point - Bright Finish
Jobbers Length



- Excellent General Purpose Drill
- Designed for Light-to Intermediate-Duty Applications

RANGE OF APPLICATIONS
. . . . . Aluminum and Wood

STOCK NO.	Diameter	Length	UNIT PKG.
212-1201	1/16″	1-7/8″	ONE DOZEN
212-1202	5/64″	2″	ONE DOZEN
212-1203	3/32″	2-1/4″	ONE DOZEN
212-1204	7/64″	2-5/8″	ONE DOZEN
212-1205	1/8″	2-3/4″	ONE DOZEN
212-1206	9/64″	2-7/8″	ONE DOZEN
212-1207	5/32″	3-1/8″	ONE DOZEN
212-1208	11/64″	3-1/4″	ONE DOZEN
212-1209	3/16″	3-1/2″	ONE DOZEN

STOCK NO.	Diameter	Length	UNIT PKG.
212-1210	13/64″	3-5/8″	ONE DRILL
212-1211	7/32″	3-3/4″	ONE DRILL
212-1214	15/64″	3-7/8″	ONE DRILL
212-1212	1/4″	4″	ONE DRILL
212-1223	17/64″	4-1/8″	ONE DRILL
212-1224	9/32″	4-1/4″	ONE DRILL
212-1225	5/16″	4-1/2″	ONE DRILL
212-1226	3/8″	5″	ONE DRILL



3/8″ SHANK

STOCK NO.	Diameter	Length	UNIT PKG.
212-1230	1/2″	6″	ONE DRILL

High Speed Heavy Duty Drills

135° Split Point - Black Oxide Finish
Extended Length



- 135° Split Point for Fast Penetration, Reduced Walking
- Black Oxide Finish for Added Lubricity
- Heavy Duty Construction Provides Additional Strength

RANGE OF APPLICATIONS
. . . . . Iron, Steel, Stainless Steel and Wood

STOCK NO.	Diameter	Length	UNIT PKG.
212-1320	1/8″	6″	ONE DRILL
212-1322	5/32″	6″	ONE DRILL
212-1324	3/16″	6″	ONE DRILL
212-1326	7/32″	6″	ONE DRILL
212-1328	1/4″	6″	ONE DRILL
210-0704	1/4″	12″	ONE DRILL

High Speed Heavy Duty Drills

135° Split Point - Black Oxide Finish



- 135° Split Point for Quick Penetration and Reduced "Walking"
- Black Oxide Finish for Added Lubricity
- Heavy Duty Construction Provides Additional Strength
- Performs Well on a Broad Range of Materials in the Iron and Steel Families

RANGE OF APPLICATIONS
. . . . . Iron, Steel, Stainless Steel

STOCK NO.	Diameter	Length	UNIT PKG.
212-1261	1/16″	1-7/8″	ONE DOZEN
212-1262	5/64″	2″	ONE DOZEN
212-1263	3/32″	2-1/4″	ONE DOZEN
212-1249	7/64″	2-5/8″	ONE DOZEN
212-1250	1/8″	2-3/4″	ONE DOZEN
212-1251	9/64″	2-7/8″	ONE DOZEN
212-1252	5/32″	3-1/8″	ONE DOZEN
212-1264	11/64″	3-1/4″	ONE DOZEN
212-1254	3/16″	3-1/2″	ONE DOZEN

STOCK NO.	Diameter	Length	UNIT PKG.
212-1257	13/64″	3-5/8″	ONE DRILL
212-1255	7/32″	3-3/4″	ONE DRILL
212-1265	15/64″	3-7/8″	ONE DRILL
212-1256	1/4″	4″	ONE DRILL
212-1266	17/64″	4-1/8″	ONE DRILL
212-1260	9/32″	4-1/4″	ONE DRILL
212-1258	5/16″	4-1/2″	ONE DRILL
212-1259	3/8″	5″	ONE DRILL
212-1267	1/2″	6″	ONE DRILL

High Speed Drills

118° Point - Bright Finish
Jobbers Length - Wire Gauge Sizes



- Excellent General Purpose Drill
- Designed for Light-to Intermediate-Duty Applications

RANGE OF APPLICATIONS
. . . . . Aluminum and Wood

STOCK NO.	Wire Gauge	Length	UNIT PKG.
212-1107	7	3-5/8″	ONE DOZEN
212-1119	19	3-1/4″	ONE DOZEN
212-1121	21	3-1/4″	ONE DOZEN
212-1125	25	3″	ONE DOZEN
212-1129	29	2-7/8″	ONE DOZEN
212-1130	30	2-3/4″	ONE DOZEN
212-1131	31	2-3/4″	ONE DOZEN
212-1132	32	2-3/4″	ONE DOZEN

High Speed Steel Drills and Drill Sets

High Speed Heavy Duty Drills

135° Split Point - Black Oxide Finish Double Ended

- **Popular for Pop Rivet Drilling Applications**
- **Use for Drilling Any Thin Sheet Metal**



RANGE OF APPLICATIONS
. . . . . Thin Sheet Metal

STOCK NO.	Diameter	Length	UNIT PKG.
212-1601	7/64″	1-7/8″	ONE DRILL
212-1602	1/8″	2″	ONE DRILL
212-1603	9/64″	2″	ONE DRILL
212-1604	5/32″	2-1/16″	ONE DRILL
212-1605	3/16″	2-3/16″	ONE DRILL
212-1607	7/32″	2-3/8″	ONE DRILL
212-1606	1/4″	2-1/2″	ONE DRILL

High Speed Heavy Duty Drills

135° Split Point - Black/Bronze Oxide Three Flat Shank

- **Three Flat Shank Design Provides a Positive Grip in Cordless, Keyless and Conventional Power Tools**



RANGE OF APPLICATIONS
. . . . . Iron, Steel, Stainless Steel and Wood

STOCK NO.	Diameter	Length	UNIT PKG.
212-1031	1/16″	1-7/8″	ONE DOZEN
212-1032	5/64″	2″	ONE DOZEN
212-1033	3/32″	2-1/4″	ONE DOZEN
212-1034	7/64″	2-3/8″	ONE DOZEN
212-1035	1/8″	2-1/2″	ONE DOZEN
212-1036	9/64″	2-5/8″	ONE DOZEN
212-1037	5/32″	2-3/4″	ONE DOZEN
212-1038	11/64″	2-7/8″	ONE DOZEN
212-1039	3/16″	3″	ONE DOZEN
STOCK NO.	**Diameter**	**Length**	**UNIT PKG.**
212-1040	13/64″	3-1/8″	ONE DRILL
212-1041	7/32″	3-1/4″	ONE DRILL
212-1042	15/64″	3-3/8″	ONE DRILL
212-1043	1/4″	3-1/2″	ONE DRILL
212-1044	17/64″	3-5/8″	ONE DRILL
212-1045	9/32″	3-3/4″	ONE DRILL
212-1046	5/16″	4″	ONE DRILL
212-1047	3/8″	4-1/4″	ONE DRILL
	3/8″ REDUCED SHANK		
STOCK NO.	**Diameter**	**Length**	**UNIT PKG.**
212-1048	1/2″	5″	ONE DRILL

13 Piece Drill Set

118° Point - Bright Finish High Speed Steel Jobber's Length

Fractional Sizes

- **1/16″**
- **5/64″**
- **3/32″**
- **7/64″**
- **1/8″**
- **9/64″**
- **5/32″**
- **11/64″**
- **3/16″**
- **13/64″**
- **7/32″**
- **15/64″**
- **1/4″**



Sizes are 1/16″ to 1/4″ by 64ths. Complete with metal index and hinged metal box. Weight: 10 oz. Bright finish.

STOCK NO.	Description	UNIT PKG.
212-1013	13 Piece High Speed Drill Set	ONE SET

15 Piece Drill Set

118° Point - Bright Finish High Speed Steel Jobber's Length

Fractional Sizes

- **1/16″**
- **3/32″**
- **1/8″**
- **5/32″**
- **3/16″**
- **7/32″**
- **1/4″**
- **9/32″**
- **5/16″**
- **11/32″**
- **3/8″**
- **13/32″**
- **7/16″**
- **15/32″**
- **1/2″**



Sizes are 1/16″ to 1/2″ by 32nds. Complete with 2 stand-up metal indexes and hinged metal box. Weight: 1 lb.

STOCK NO.	Description	UNIT PKG.
212-1015	15 Piece High Speed Drill Set	ONE SET

29 Piece Drill Set

118° Point - Bright Finish High Speed Steel Jobber's Length

Fractional Sizes

- **1/16″**
- **5/64″**
- **3/32″**
- **7/64″**
- **1/8″**
- **9/64″**
- **5/32″**
- **11/64″**
- **3/16″**
- **13/64″**
- **7/32″**
- **15/64″**
- **1/4″**
- **17/64″**
- **9/32″**
- **19/64″**
- **5/16″**
- **21/64″**
- **11/32″**
- **23/64″**
- **3/8″**
- **25/64″**
- **13/32″**
- **27/64″**
- **7/16″**
- **29/64″**
- **15/32″**
- **31/64″**
- **1/2″**



Sizes are 1/16″ to 1/2″ by 64ths. Complete with 3 stand-up metal indexes and hinged metal box. Weight: 3 lbs. 4 oz.

STOCK NO.	Description	UNIT PKG.
212-1029	29 Piece High Speed Drill Set	ONE SET

Hammer Drill Bits and Power Head

Carbide Tipped Hex Shank Hammer Drill Bits



- Hex Shank Provides More Secure Chuck Grip
- For Drilling Softer Materials: Masonry, Brick, Block

STOCK NO.	Size	UNIT PKG.
200-6813	1/8" x 1-1/2" x 3"	ONE BIT
200-6814	3/16" x 4-1/2" x 6"	ONE BIT
200-6811	1/4" x 4-1/2" x 6"	ONE BIT
200-6816	5/16" x 4-1/2" x 6"	ONE BIT
200-6821	3/8" x 4-1/2" x 6"	ONE BIT
200-6815	7/16" x 4-1/2" x 6"	ONE BIT
200-6830	1/2" x 4-1/2" x 6"	ONE BIT
200-6817	9/16" x 4-1/2" x 6"	ONE BIT
200-6818	5/8" x 4-1/2" x 6"	ONE BIT
200-6819	3/4" x 4-1/2" x 6"	ONE BIT

Premium SDS Hammer Drill Bits

44 Magnum Carbide

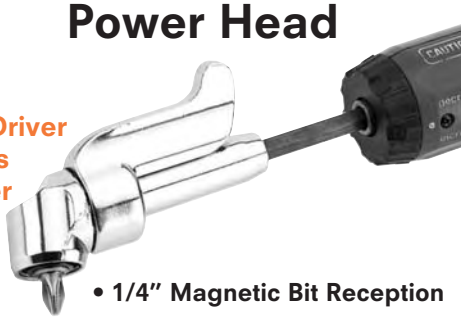


- Tip Centering Point Allows More Accurate Starting of Holes
- Unique Edge Design Allows Cutting of Mesh and Small Diameter Rebar with Less Likelihood of Tip Breakage
- Chisel Shape Design Efficiently Penetrates Concrete
- Four Fluted Spiral Removes Dust Faster

STOCK NO.	Size	Contents	UNIT PKG.
200-7410	3/16" x 2" x 4-1/2"	1	ONE BIT
200-7510	3/16" x 2" x 4-1/2"	25	ONE PKG.
200-7411	3/16" x 4" x 6"	1	ONE BIT
200-7417	3/16" x 4" x 6"	25	ONE PKG.
200-7430	1/4" x 2" x 4-1/2"	1	ONE BIT
200-7530	1/4" x 2" x 4-1/2"	25	ONE PKG.
200-7431	1/4" x 4" x 6"	1	ONE BIT
200-7531	1/4" x 4" x 6"	25	ONE PKG.
200-7451	3/8" x 4" x 6"	1	ONE BIT
200-7551	3/8" x 4" x 6"	20	ONE PKG.
200-7412	3/8" x 6" x 8"	1	ONE BIT
200-7471	1/2" x 4" x 6"	1	ONE BIT
200-7571	1/2" x 4" x 6"	15	ONE PKG.
200-7413	1/2" x 8" x 10"	1	ONE BIT
200-7414	5/8" x 4" x 6"	1	ONE BIT
200-7432	5/8" x 6" x 8"	1	ONE BIT
200-7418	5/8" x 6" x 8"	10	ONE PKG.
200-7415	3/4" x 6" x 8"	1	ONE BIT
200-7416	3/4" x 8" x 10"	1	ONE BIT

Off-Set Screwdriver Power Head

Use With Cordless Drill Driver or Cordless Screwdriver



- 1/4" Magnetic Bit Reception

The power head uses the power and speed of your cordless drill driver or cordless screwdriver to fasten or remove screws in tight applications. It is made of durable die cast construction, with 1/4" magnetic bit reception for standard bits and 360° adjustable thumb flange. Maximum torque: 100 in. lbs., 400 rpm.

STOCK NO.	Description	UNIT PKG.
211-5024	Offset Screwdriver Power Head	ONE TOOL

Panasonic Cordless 3.6V Drill Driver Kit

- 15 Min. Charging Time
- Maximum Torque - Low 39 in. lbs. High 13 in. lbs.
- No Load Speed - Low 200, High 600 rpm



Kit Includes: drill driver, battery pack and charger.

STOCK NO.	Description	UNIT PKG.
211-7051	3.6V Drill Driver Kit	ONE KIT
211-7052	3.6V Ni-Cd "C" Battery Pack	ONE
211-7063	15 Min. 2.4V-3.6V Charger	ONE

Imported Rotary Hammer SDS Drill Bits



Brazed carbide tips on 6" steel shaft. Hammer bits fit all common spline drive hammer drills - Bosch, Hilti, Hitachi, Makita and Milwaukee. Each bit is sold in protective sleeve. Working length: 3.5".

STOCK NO.	Diameter	UNIT PKG.
212-0002	3/16"	ONE BIT
212-0001	1/4"	ONE BIT
212-0004	5/16"	ONE BIT
212-0003	3/8"	ONE BIT
212-0005	1/2"	ONE BIT
212-0006	5/8"	ONE BIT

Specialty Drills and Countersinks

Slow Spiral Deep Fluted Masonry Drills

Carbon Tip - Black Oxide Professional Quality



- **For Smooth and Accurate Drilling in Hard and Extra Hard Materials Like Concrete, Brick and Terra Cotta**

These deep fluted drills are especially suited for drilling in hard concrete (from 500 to 2500 psi). Use drills at speeds of 2500 rpm or less to drill hard concrete, brick and terra cotta.

STOCK NO.	Diameter	Length	Shank	UNIT PKG.
220-3138	1/8″	3″	1/8″	ONE DRILL
220-3139	3/16″	4″	3/16″	ONE DRILL
220-3140	1/4″	4″	1/4″	ONE DRILL
220-3141	1/4″	6″	1/4″	ONE DRILL
220-3142	5/16″	4″	1/4″	ONE DRILL

Fast Spiral Deep Fluted Masonry Drills

Carbide Tip - Bright Finish Good Quality



- **Deep Fluted Grooves Avoid Clogging, Clatter and Overheating**
- **Fast Spiral Provides Faster Penetration in Soft to Medium Hard Materials Such as Plaster, Tile, Brick, Slate and Cinder Block**

STOCK NO.	Diameter	Length	Shank	UNIT PKG.
220-3309	1/8″	3″	1/8″	ONE DRILL
220-3311	3/16″	4″	3/16″	ONE DRILL
220-3312	1/4″	4″	1/4″	ONE DRILL
220-3313	1/4″	6″	1/4″	ONE DRILL
220-3315	5/16″	6″	1/4″	ONE DRILL

Plas-Drills

Bright Finish - Fractional Sizes



- **For Drilling Plexiglass, Lucite and Acrylic**
- **Use on Plastic Materials Only**

Quality steel Plas-Drills will not chip or grab, as the specially ground and extremely sharp 90° point flutes cut through surfaces with ease and precision.

STOCK NO.	Diameter	UNIT PKG.
212-1400	1/8″	ONE DRILL
212-1402	3/16″	ONE DRILL
212-1403	1/4″	ONE DRILL
212-1405	3/8″	ONE DRILL

High Speed Step Drill

Bright Finish



High speed step drills provide proper hole size for aluminum and nylon plunger latches in screen frames. A step drill is used when it is advisable to form, in one operation, a hole of two or more diameters, or a hole with a chamfer.

STOCK NO.	Description	UNIT PKG.
212-1364	Step Drill 1/8″ Tip x 7/32″ Dia.	ONE DRILL

Step Bit Drills

Drill multiple size holes with just one bit, in most metals, plastics and wood. The self-starting tip eliminates skidding and the need for center punching.

- 3/4″
- 11/16″
- 5/8″
- 9/16″
- 1/2″
- 7/16″
- 3/8″
- 5/16″
- 1/4″





- 1/2″
- 15/32″
- 7/16″
- 13/32″
- 3/8″
- 11/32″
- 5/16″
- 9/32″
- 1/4″
- 7/32″
- 3/16″
- 5/32′
- 1/8″

STOCK NO.	No. Hole Sizes	Range	UNIT PKG.
220-3213	13	1/8″ to 1/2″	ONE DRILL
220-3209	9	1/4″ to 3/4″	ONE DRILL

Center Reamer Countersinks

These reamers are used for centering lathe work on predrilled holes or countersinking for screw heads in metal.



STOCK NO.	Cutting Dia.	Shank Size	Angle	UNIT PKG.
211-9813	1/2″	1/4″	82°	ONE TOOL
211-9814	3/8″	1/4″	82°	ONE TOOL

Countersink Tools

High Speed Steel



Countersink, drill and counterbore in one quick operation. The countersink is held in place on drill by hex screws and is adjustable to the entire length of drill. Drills are not furnished and must be purchased individually.

STOCK NO.	Diameter	Size	Angle	UNIT PKG.
211-9505	3/8″	1/8″	82°	ONE TOOL
211-9509	3/8″	3/16″	82°	ONE TOOL

Countersinks and Rivet Tools

Standard Countersinks



STOCK NO.	Screw Size	Dia.	Angle	Part	UNIT PKG.
211-9580	No. 6	9/64″	82°	CS-6S	ONE
211-9585	No. 8	11/32″	82°	CS-8S	ONE
211-9605	No. 10	25/64″	82°	CS-10S	ONE
211-9680	No. 10, 12, 14	9/16″	82°	CS-18	ONE
211-9690	.30-25/32″ Hole	13/16″	82°	CS-26A	ONE

Countersink Set



A handy, 4 piece set consisting of Weldon countersinks No. CS-6S, CS-8S, CS-10S and CS-18. Sinks are conveniently stored in an indexed wooden block.

STOCK NO.	Description	UNIT PKG.
211-9695	Set of 4	ONE

Countersink Deburrer



This tool has the same configuration as regular countersinks, but is primarily used to deburr freshly cut countersink holes.

STOCK NO.	Cutting Dia.	Angle	Part	UNIT PKG.
211-9518	3/16″ - 17/32″	90°	DB-8	ONE

Countersink Drill



This countersink tool provides one step drilling and countersinking of holes in metal. No. 4 drill is used to speed up the removal and installation of 1/8″ blind rivets.

STOCK NO.	Screw	Point Dia.	Angle	Lgth.	UNIT PKG.
211-9500	No. 4	1/8″	82°	4″	ONE
211-9508	No. 8	5/16″	82°	6″	ONE

Rivet Stem Remover



It is often necessary to remove the door glass without breakage. Rivet stems are made of steel and are impossible to drill out. The rivet pin remover has a contoured end so it sits over the rivet and aligns perfectly with the rivet stem. Just tap the end of the rivet tool, and the rivet stem is then driven out.

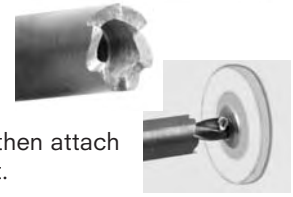


STOCK NO.	Description	UNIT PKG.
213-0585	Rivet Stem Remover	ONE TOOL

Rivet Spin Doctor



This handy tool stops the rivet from spinning while the rivet is being drilled out. Insert 1/4″ x 12″ drill bit (stock number 210-0704) into the spin doctor, then attach to drill. Tool easily drills out rivet.



STOCK NO.	Description	UNIT PKG.
210-0703	Rivet Spin Doctor	ONE TOOL

Rivet Head Removal Tool and Rivet Head Drill Guide

Cuts Heads Off Door Regulator Rivets



The removing of rivets that hold door regulators in place is a constant problem for the auto glass technician. The rivet head removal tool has a hardened steel tip that cuts off the rivet head, and the hollow center catches rivet stem. It fits into any 1/4″ drill.

STOCK NO.	Description	UNIT PKG.
213-1910	Rivet Head Removal Tool	ONE TOOL



When the rivet stem does not stick out of the rivet, use the rivet head drill guide. It holds the drill bit in place as it cuts down to the rivet stem.



STOCK NO.	Description	UNIT PKG.
200-0922	Rivet Head Drill Guide	ONE TOOL

Utility Cart, Tool Box, and Parts Storage

Utility Carts





211-9175:
Width . . . . . 28″
Depth . . . . . 16″
Height . . . . . 29″
Shelves 2
Caster Dia. . . . . 4″ x 2″
Capacity . . . . . 500 lbs.
Weight . . . . . 40 lbs.

211-9176:
Width . . . . . 42-1/2″
Depth . . . . . 22″
Height . . . . . 40″
Shelves 3
Caster Dia. . . . . 5″ x 2″
Capacity . . . . . 1500 lbs.
Weight . . . . . 80 lbs.

Handy utility carts provide easy maneuvering around the shop. Constructed of heavy welded steel, cart has adjustable shelves and features a durable, scratch resistant baked on powder finish. Shipped knocked down - easy assembly.

SHIPPED FOB FACTORY

STOCK NO.	Description	UNIT PKG.
211-9175	2 Shelf Cart	ONE
211-9176	3 Shelf Cart	ONE



Kennedy

Plastic Step Tool Box

SPECIFICATIONS:
Width . . . . . 20″
Depth . . . . . 14″
Height . . . . . 12-1/2″
Weight . . . . . 9.5 lbs.

Sturdy copolymer box is rustproof, durable and easy to carry. It doubles as a step stool and supports up to 300 lbs. Large storage compartment under lift out divided tray. Nickel-plated steel draw bolt.

STOCK NO.	Description	UNIT PKG.
211-9177	Step Tool Box	ONE

60 Drawer Parts Cabinet

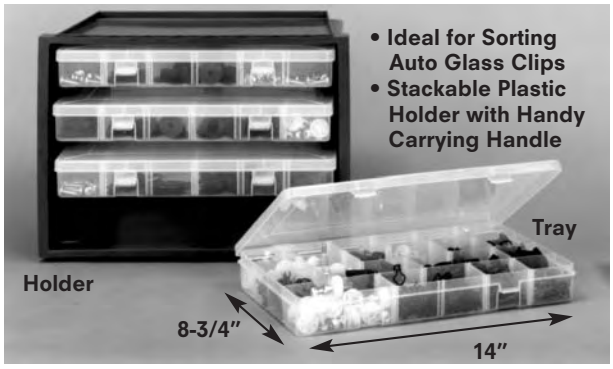
"Jumbo" parts cabinet has 60 drawers allowing ample storage space for clips, hardware and small parts. Drawer size is 5-3/8″ deep x 2″ wide x 1-3/8″ high. The tough, durable, black plastic frame is self-stacking. Hardware not included.



SPECIFICATIONS:
Width . . . . . 14-1/4″
Depth . . . . . 6-3/16″
Height . . . . . 18-1/4″

STOCK NO.	Description	Color	UNIT PKG.
211-1450	Parts Cabinet	Black	ONE

Parts Storage Boxes & Holder



This small parts organizer tray is the perfect solution to keeping your clips, screws, nails, etc., sorted and easy to find. The plastic tray has 4 to 16 adjustable compartments and measures 14″ long x 8-3/4″ wide x 1-3/4″ high. The slide-in tray holder has pre-drilled holes for wall mounting and will hold 4 plastic trays.

STOCK NO.	Description	UNIT PKG.
211-9075	Plastic Tray	ONE
211-9076	Plastic Tray Holder	ONE
211-9074	Complete Unit - Holder and 4 Trays	ONE

Power Chute Parts Organizer

• **Put Parts in Top, Then Sort and Pour**

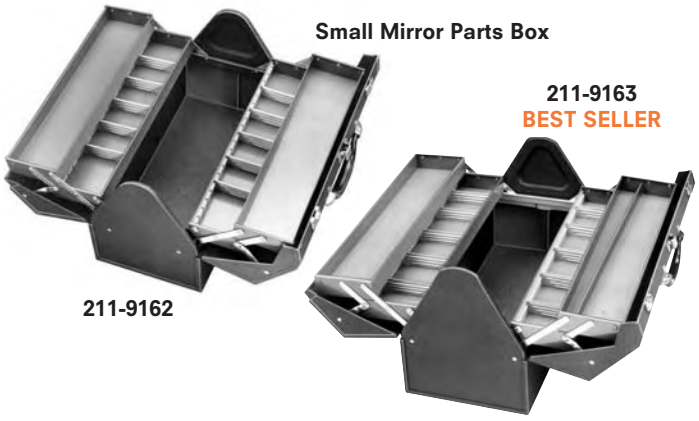


The lid of the Power Chute case is molded to hold and then funnel hardware into one of 12 storage cups. Contractor grade construction, built to withstand the toughest jobs in the harshest weather. When case is locked, stored items won't fall out of cups even if turned upside down. Double locking design keeps lid closed, and strong hinge won't rust.

STOCK NO.	Description	UNIT PKG.
211-9073	Parts Organizer	ONE

Professional Tool Boxes

Kennedy Cantilever Tool Boxes



211-9162:
Width . . . . . 10″
Length . . . . . 18-1/8″
Height . . . . . 12-5/8″
Weight . . . . . 18.25 lbs.
Manufacturer # . . . 1018

211-9163:
Width . . . . . 10″
Length . . . . . 22-1/8″
Height . . . . . 12-5/8″
Weight . . . . . 21 lbs.
Manufacturer # . . . 1022

See all your tools at a glance with Kennedy cantilever tool boxes. They feature high quality plated locking hardware, vinyl cushioned handles and a steel core. Both boxes have four trays with removable plastic dividers. The 22-1/8″ long box has a divider for storage of socket sets.

STOCK NO.	Description	Color	UNIT PKG.
211-9162	Cantilever Tool Box	Brown	ONE
211-9163	Large Cantilever Tool Box	Brown	ONE

SOMACA Cantilever Tool Box



SPECIFICATIONS:
Width . . . . . 10-3/8″
Length . . . . . 22″
Height . . . . . 9-1/2″
Weight . . . . . 16 lbs.

This large, rugged tool box has four trays that automatically swing wide for access to large storage beneath. It features a double cover with vinyl coated steel handle, twin draw bolts and padlock clasp.

STOCK NO.	Description	Color	UNIT PKG.
211-9183	Cantilever Tool Box	Brown	ONE

3 Drawer Dolly Tool Cart



This heavy duty mobile work center is steel constructed and has an adjustable handle and large 10″ wheels. The two doors are lockable, with six plastic bins on one door and peg holes on the other. Inside the cabinet is a fixed shelf and three drawers for flexible storage space. Protective mat on top work surface.

SPECIFICATIONS:
Width . . . . . 26-1/2″
Depth . . . . . 18″
Height . . . . . 33-1/2″
Weight . . . . . 125 lbs.

SHIPPED FOB FACTORY

STOCK NO.	Description	Color	UNIT PKG.
211-9174	Dolly Tool Cart	Red	ONE

Construction Job Site Tool Box



211-9178:
Width . . . . . 48″
Depth . . . . . 24″
Height . . . . . 28″
Cubic Ft. 18.67
Weight . . . . . 145 lbs.

211-9179:
Width . . . . . 48″
Depth . . . . . 30″
Height . . . . . 58″
Cubic Ft. 33.4
Weight . . . . . 180 lbs.

Portable tool box is constructed from 18 gauge steel for job site use. It features dual 20″ heavy duty round lifting handles and a 10″ heavy duty lid handle. Piano hinge runs the full length of the lid with lid brace. Polyester powder coated paint for extra durability and edge coverage. Casters are optional.

SHIPPED FOB FACTORY

STOCK NO.	Description	Color	UNIT PKG.
211-9178	Job Site Box	Black	ONE
211-9179	Large Job Site Box	Black	ONE

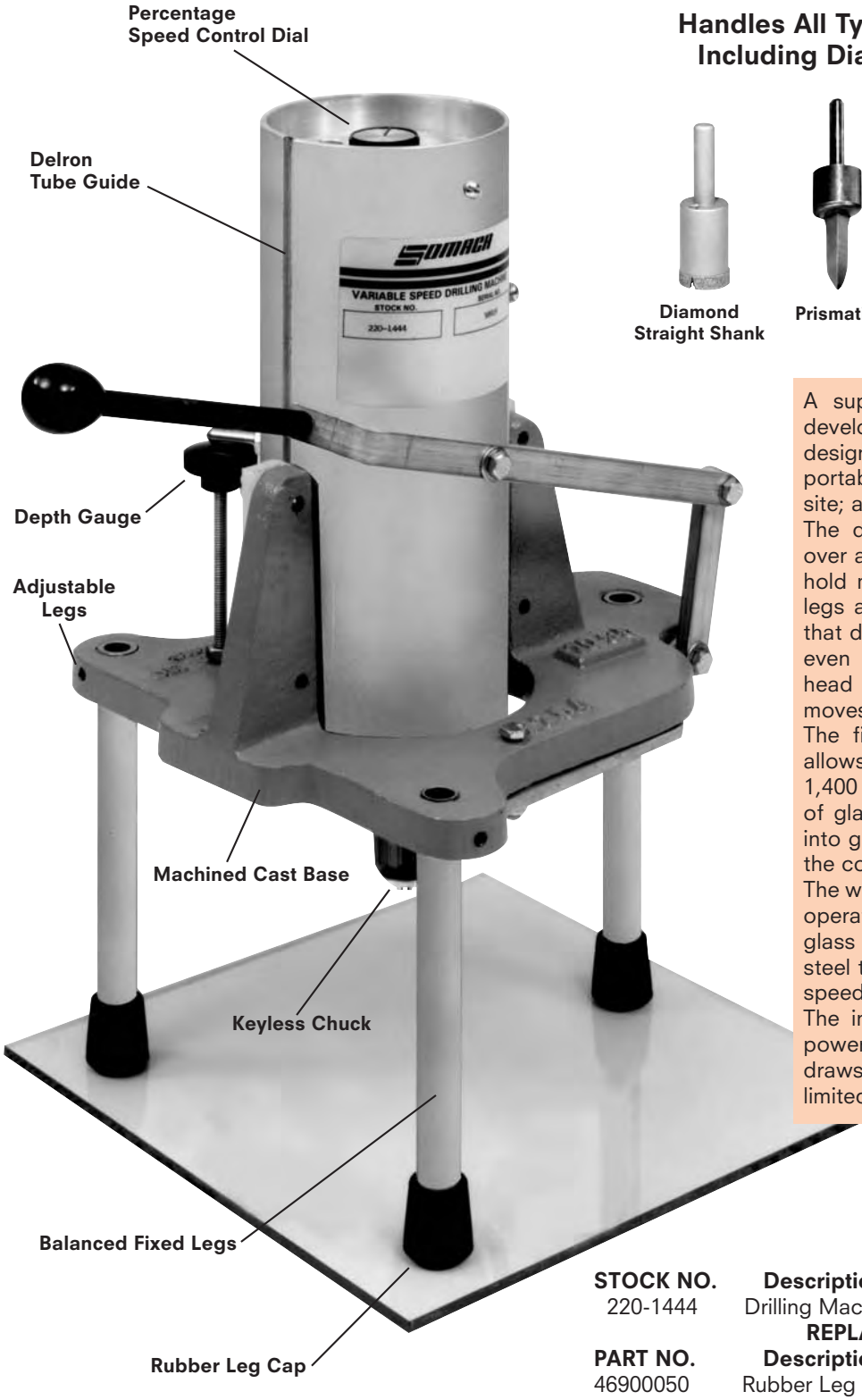
OPTIONAL CASTERS

STOCK NO.	Description	Diameter	UNIT PKG.
211-9180	Swivel	6″	ONE
211-9181	Rigid	6″	ONE

Portable Glass Drill

Variable-Speed Portable Glass Drilling Machine

Drill Speeds Up to 1,400 RPM (No Load)



Handles All Types of Glass Drills, Including Diamond Tube Drills



Diamond Straight Shank | Prismatic | Spear Point | Brass or Steel

A superior product of our research and development program, this Sommer & Maca designed and constructed drill is completely portable, for use at the shop or on the job-site; all the user needs is a 110 volt outlet.

The drill can easily be positioned directly over any area to be drilled. Rubber leg caps hold machine firmly to drilling surface. The legs are balanced and positioned to insure that drills will cut into glass in a precise and even manner. Delron guides prevent drill head wobble and insure that the drill head moves smoothly.

The finger tip variable speed control unit allows glass drilling at variable speeds up to 1,400 rpm. It can be used on all thicknesses of glass, porcelain or plastic. When drilling into glass, frequently lift the drill bit to allow the coolant to flow into the cutting area.

The wide speed range of the unit enables the operator to use various types and sizes of glass drills. Recommended sizes of brass or steel tube drills are from 1/2" to 6", utilizing speeds up to 1,400 rpm.

The industrial style motor is a heavy duty power source. It's 60 cycle, single phase and draws 5 amps. Portable drill has a one year limited warranty.

STOCK NO.	Description	Shipping Weight	UNIT PKG.
220-1444	Drilling Machine	35 lbs.	ONE

REPLACEMENT PARTS

PART NO.	Description	Contents	UNIT PKG.
46900050	Rubber Leg Cap	1	ONE
37853900	Delron Tube Guides	2	ONE SET

Glass Drilling Machines

Swivel Outlet Drilling Machine

Drills Outlet Cutouts and Plugs in One Quick Step



1. Position unit, drill first hole.



2. Swivel head, and drill second hole.

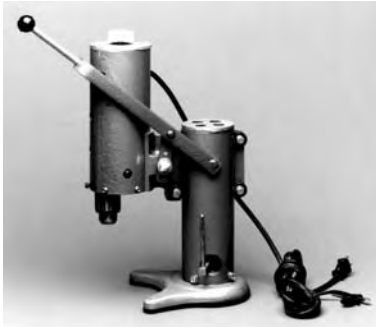
3. Swivel head to one side for larger holes.

The swivel drill is the fastest way to make cut-outs for wall plug outlets and switch receptacles. The swivel feature allows you to drill one hole, then by merely swiveling the head, a second hole can be drilled. All this can be accomplished without moving the base. A rubber plug is provided for plugging the first hole, so the coolant will not leak. Unit also has a built-in coolant retaining ring and suction cup base, providing increased stability while drilling. It can also be used for drilling holes up to 6" in diameter.

STOCK NO.	Description	UNIT PKG.
220-1460	Swivel Outlet Drill	ONE

BALDWIN Portable 2-Speed Glass Drilling Machine

- **600 RPM for Carbide Drills**
- **1000 RPM for Tube Drills**
- **Vacuum Cup Base Holds Drill Securely on Glass**



This portable, 2-speed glass drilling machine works at 1,000 rpm with diamond, brass or steel tube drills and at 600 rpm for use with prismatic or spearpoint glass drills. Tube drills up to 4" diameter can be used. The drill features a 3/8" shank capacity, heavy-duty Jacobs chuck, 110 volt motor with 3-way toggle switch, and rubber covered power cord and plug.

STOCK NO.	Description	Weight	UNIT PKG.
220-1441	2-Speed Drill Machine	30 lbs.	ONE
220-1442	Vacuum Cup Base		ONE

BALDWIN Production Glass Drilling Machine



This 115 volt portable drilling machine features a built-in water coolant chuck to supply coolant under pressure while drilling. It accepts all Belgian thread drills, countersinks and other tools up to 5". An electronic speed control precisely controls rpm selections from 500-3,650. Glass Drilling Machine is designed and built in the USA to provide many reliable years of service.

STOCK NO.	Description	UNIT PKG.
220-1400	Diamond Drill	ONE

Glass Drilling Recommendations for Portable Glass Drilling Machines

When drilling with diamond drills, prismatic, or spear point drills, gather the drilling device, drill bits, coolant, coolant retainer ring, and if required, a dressing brick. Experienced trades people will place a section of plastic under the glass to protect the glass cutting table. They will also apply duct tape to the back side of the glass or mirror in the area where the holes will be drilled. The duct tape will reduce flaring where the bit exits.

Make sure the portable drill is level. Align the tool over the proper location. Insert the bit. With coolant in the retainer ring, lower the spinning drill bit onto the glass. Do not push down on the drilling machine handle.

Every 10 seconds, raise the bit so that the coolant can flow into the cutting area. Lower the bit again. Repeat these steps until the hole is drilled.

Production Glass Drilling Machine

TD-1.5 Vertical Two-Sided Glass Drill



MODEL TD-1.5

Processes Glass Vertically - Drills Holes Up to 2-3/4" in 1/8" to 1/2" Glass

Sommer & Maca's TD-1.5 Vertical Two-Sided Glass Drill is a compact, accurate and affordable system. Designed to save valuable floor space, the machine measures only 50" long x 43" wide.

The TD-1.5 accommodates glass up to 1/2" and produces holes up to 2-3/4". Maximum glass sheet size is 60" long x 45" wide, and maximum drill depth is 24".

The motors are horizontally mounted on a swinging frame structure, and glass drilling is done with a simple hand lever control. All work is processed vertically, which is the normal transport and storage position for glass. This allows the system to use X-Y coordinates for precise location of the hole center and also minimizes the chances of scratching or glass breaking during handling.

The glass rack has a height adjustable lower glass support to set the x-coordinate for each hole. Bottom edge rollers easily guide the vertical glass edge to the y-coordinate. A hand operated glass clamp secures the glass in position during fabrication. Drills are kept cool and lubricated with a recirculating coolant tank and pump system.





Belgian Thread
3" (75mm) Overall Length

Two drill bits are required for each size hole - see page 281.

CAPACITY:

Glass Thickness - 1/8" to 1/2" (3mm - 12mm)
Glass Size - up to 60" long x 45" wide (1500mm x 1140mm)
Depth of Drill (from edge) - 24" (600mm)
Drilling Diameter - 0.200" - 2-3/4" (5mm - 70mm)
Drill Speed - Variable, 300-3600 RPM

UTILITIES:

Electrical- 3 motors total 2.5HP (1.8kw), 20 amp service @ 230 volt, 1 phase, 60 cycle power
Water - minimum consumption, limited to drag out loss from coolant tank
Dimensions - 4'-2" (1270mm) long x 3'-7" (1092mm) wide x 8' (2439mm) high
Shipping Weight - 451 lbs. (205kg)

Diamond Glass Tube Drills

Junior Plated Drills

Least expensive drill. Somaca's best selling drill over the last generation. Do not dress.



5/16" SHANK
UNIT PKG: ONE DRILL

STOCK NO.	Size	mm
220-2388	3/16"	4.76
220-2389	1/4"	6.35
220-2387	5/16"	7.94
220-2386	3/8"	9.53
220-2390	1/2"	12.7
220-2397	5/8"	15.88
220-2360	16mm	16.0
220-2391	3/4"	19.05
220-2385	7/8"	22.23
220-2392	1"	25.4
220-2370	26mm	26.0
220-2383	1-1/16"	27.0
220-2382	1-1/8"	28.58
220-2384	1-3/16"	30.16
220-2393	1-1/4"	31.75
220-2398	1-5/16"	33.34
220-2381	1-3/8"	34.93
220-2395	1-1/2"	38.1
220-2380	1-3/4"	44.45

3/8" SHANK
UNIT PKG: ONE DRILL

STOCK NO.	Size	mm
220-2394	2"	50.8
220-2379	2-1/8"	53.98
220-2396	2-1/4"	57.15
220-2378	2-1/2"	63.5
220-2377	2-3/4"	69.85
220-2376	3"	76.2
220-2375	3-1/4"	82.55
220-2374	3-1/2"	88.9
220-2373	3-3/4"	95.25
220-2372	4"	101.6

Turbo Plated Drills

Drill 50% faster than Juniors. Heavy diamond concentration. The thin metal wall removes less glass. The notches on the tube edge drag coolant into the cut and aid in removing swarf. Do not dress.



5/16" SHANK
UNIT PKG: ONE DRILL

STOCK NO.	Size	mm
220-2520	3/16"	4.76
220-2521	1/4"	6.35
220-2522	5/16"	7.94
220-2523	3/8"	9.53
220-2524	1/2"	12.7
220-2525	5/8"	15.88
220-2526	3/4"	19.05
220-2527	7/8"	22.23
220-2528	1"	25.4
220-2529	26mm	26.0
220-2530	1-1/16"	27.0
220-2531	1-1/8"	28.58
220-2532	1-3/16"	30.16
220-2533	1-1/4"	31.75
220-2534	1-3/8"	34.93
220-2535	1-1/2"	38.1
220-2536	1-3/4"	44.45

3/8" SHANK
UNIT PKG: ONE DRILL

STOCK NO.	Size	mm
220-2537	2"	50.8
220-2538	2-1/8"	53.98
220-2539	2-1/4"	57.15
220-2540	2-1/2"	63.5
220-2541	2-3/4"	69.85
220-2542	3"	76.2
220-2543	3-1/4"	82.55
220-2544	3-1/2"	88.9
220-2545	3-3/4"	95.25
220-2546	4"	101.6

Starlite® Premium Metal Bond Drills

Starlite's Starbond premium diamond core drills contain twice the diamond concentration of most core drills - 150 with 108 cts. of diamond per cubic inch. The higher diamond concentration with a unique thin wall cuts faster, and the drill lasts longer.



5/16" SHANK
UNIT PKG: ONE DRILL

STOCK NO.	Size	mm
220-2488	3/16"	4.76
220-2489	1/4"	6.35
220-2487	5/16"	7.94
220-2486	3/8"	9.53
220-2490	1/2"	12.7
220-2497	5/8"	15.88
220-2491	3/4"	19.05
220-2485	7/8"	22.23
220-2492	1"	25.4
220-2470	26mm	26.0
220-2483	1-1/16"	27.0
220-2482	1-1/8"	28.58
220-2484	1-3/16"	30.16
220-2493	1-1/4"	31.75
220-2481	1-3/8"	34.93
220-2495	1-1/2"	38.1
220-2480	1-3/4"	44.45

3/8" SHANK
UNIT PKG: ONE DRILL

STOCK NO.	Size	mm
220-2400	2"	50.8
220-2479	2-1/8"	53.98
220-2496	2-1/4"	57.15
220-2478	2-1/2"	63.5
220-2477	2-3/4"	69.85
220-2476	3"	76.2
220-2475	3-1/4"	82.55
220-2474	3-1/2"	88.9
220-2473	3-3/4"	95.25
220-2472	4"	101.6

Dress with aluminum oxide dressing brick Stock No. 211-8120.

NOTE: ADDITIONAL DRILL SIZES CAN BE SPECIAL ORDERED.

Diamond Drills - Water Through Center

Diamond Core Drills



- Mounted on Brass Collet
- Metal Bond



3/8" diamond impregnated up to 1/2" drills
3/16" diamond impregnated for 3/4" and larger drills

STOCK NO.	Size	mm	Suggested Drill Speed	UNIT PKG.
220-2297	3/16"	4.76	3000-4000	ONE DRILL
220-2298	1/4"	6.35	3000-4000	ONE DRILL
220-2300	3/8"	9.53	1500-3000	ONE DRILL
220-2301	7/16"	11.11	1500-3000	ONE DRILL
220-2302	1/2"	12.7	1500-3000	ONE DRILL
220-2306	3/4"	19.05	1000-2000	ONE DRILL
220-2310	1"	25.4	1000-2000	ONE DRILL

Drill Head
Core Drill Coolant Feeder

Thread Size:
3/4-16
Shank:
3/8"



Use this drill head only with Somaca core drills.

STOCK NO.	Description	UNIT PKG.
220-2110	Somaca Drill Head	ONE HEAD

Diamond Core Drills

- Mounted on Brass Collet
- Metal Matrix Bond
- 150 Diamond Concentration
- Budget Price



3/8" diamond impregnanted, super thin wall.
Water is suggested coolant

STOCK NO.	Size	mm	Suggested Drill Speed	UNIT PKG.
220-2197	3/16"	4.76	1800-2400	ONE DRILL
220-2198	1/4"	6.35	1800-2400	ONE DRILL
220-2200	3/8"	9.53	1800-2400	ONE DRILL
220-2202	1/2"	12.7	1800-2400	ONE DRILL
220-2208	5/8"	15.88	1800-2400	ONE DRILL
220-2209	3/4"	19.05	1800-2400	ONE DRILL
220-2210	1"	25.4	1250-1800	ONE DRILL

Drill Head
Core Drill Coolant Feeder

Thread Size:
5/8-18
Shank:
3/8"



Use this drill head only with Starlite core drills.

STOCK NO.	Description	UNIT PKG.
220-2010	Starlite Drill Head	ONE HEAD

Diamond Glass Drills

Belgian Thread Diamond Drills



STOCK NO.	Size	mm	Suggested Drill Speed	UNIT PKG.
220-2547	3/16″	4.76	3000	ONE DRILL
220-2548	1/4″	6.35	3000	ONE DRILL
220-2549	5/16″	7.94	3000	ONE DRILL
220-2550	3/8″	9.53	3000	ONE DRILL
220-2551	7/16″	11.11	1500	ONE DRILL
220-2552	1/2″	12.7	1500	ONE DRILL
220-2553	9/16″	14.29	1500	ONE DRILL
220-2554	5/8″	15.88	1500	ONE DRILL
220-2555	3/4″	19.05	1500	ONE DRILL
220-2556	13/16″	20.64	1000	ONE DRILL
220-2557	7/8″	22.23	1000	ONE DRILL
220-2558	1″	25.4	1000	ONE DRILL
220-2559	1-1/4″	31.75	750	ONE DRILL
220-2560	1-3/8″	34.93	750	ONE DRILL
220-2561	1-7/16″	36.51	750	ONE DRILL
220-2562	1-1/2″	38.1	750	ONE DRILL
220-2563	1-3/4″	44.45	600	ONE DRILL
220-2564	2″	50.8	500	ONE DRILL
220-2565	2-1/4″	57.15	500	ONE DRILL
220-2566	2-1/2″	63.5	430	ONE DRILL
220-2567	2-3/4″	69.85	430	ONE DRILL
220-2568	3″	76.2	330	ONE DRILL
220-2569	3-1/2″	88.9	330	ONE DRILL
220-2570	4″	101.6	300	ONE DRILL

NOTE: OTHER DRILL SIZES CAN BE SPECIAL ORDERED

Belgian Mount Extension

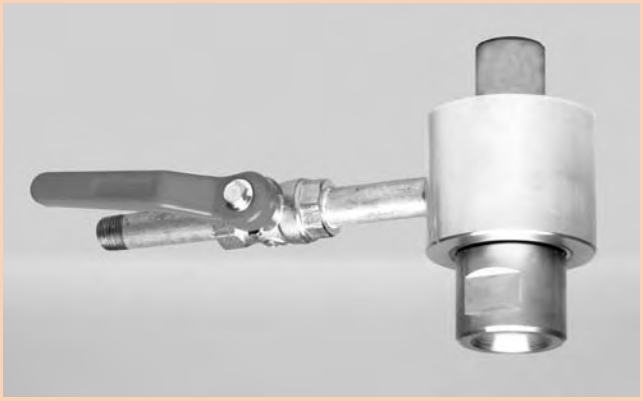


Historically, Belgian Mount Drills have had an overall length of 75mm (2.95″). Newer production machines require a drill that has an overall length of 95mm (3.74″). This 20mm extension makes it possible to use a 75mm drill in a new drill machine requiring a 95mm drill.

STOCK NO.	Description	UNIT PKG.
220-2595	Belgian Mount Extension	ONE

Drill Press Accessories

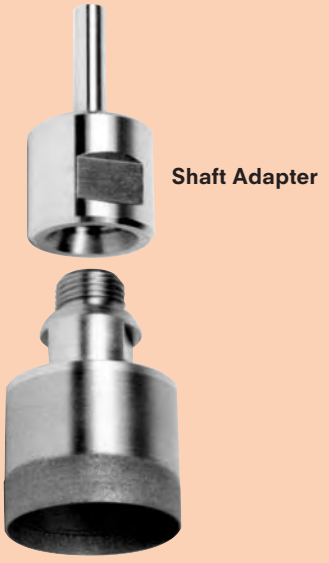
Belgian Water Swivel



The water swivel allows drill press operators to use Belgian drills with center fed water as coolant. The unit is 7.5″ long and 4.177″ high.

STOCK NO.	Description	UNIT PKG.
220-2740	Belgian Water Swivel	ONE

Shaft Adapter for Belgian Drills



This adapter is for a drill press application. The adapter enables you to use Belgian thread diamond drills. The diameter of the adapter shank is 10mm (3/8″) with the overall length of the adapter being 3″.

STOCK NO.	Description	UNIT PKG.
220-2596	Belgian Adapter	ONE

Diamond Countersinks and Adapters

Diamond Countersinks

- Straight Shank or Threaded Type Mounts
- Metal Bond Diamonds



Belgian Threaded Countersink



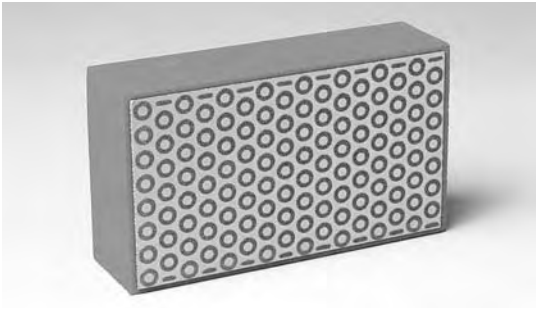
Straight Shank Countersink

These diamond countersinks will create a 45° chamfer around existing holes in glass. A chip free taper will result in any hole up to the maximum of the countersink diameter. A clean chip line always yields a better cosmetic finish to a drilled hole.
The pointed countersinks are more popular with small glass shop operations.

STOCK NO.	Shank Type	Size	mm	UNIT PKG.
220-2597	Straight	1/2″	12.7	ONE
220-2598	Straight	1″	25.40	ONE
220-2599	Straight	1-1/2″	38.10	ONE
220-2600	Belgian	1/2″	12.7	ONE
220-2601	Belgian	1″	25.40	ONE
220-2602	Belgian	1-1/2″	38.10	ONE

Diamond Handpad Smoother

For Fast, Effective Glass Removal



Pads Work Well on Marble and Ceramics

Diamond handpads are ideal for finishing glass surface shapes and edges that are hard to reach with power tools. Abrasive grit is permanently attached to the pad. Handpads are available in two grits. Pad is 4-1/4″ long by 2-1/2″wide by 1-3/4″ deep.

STOCK NO.	Grit	UNIT PKG.
251-7420	120	ONE HANDPAD
251-7422	220	ONE HANDPAD

Countersink Adapter



Diamond Belgian Thread Drill Shown with Countersink Adapter



Adjustable Countersink Adapter (45°)

The adjustable diamond countersink adapter slides over the Belgian threaded diamond drill. Three hex head set screws hold the adapter in place. The adapter enables you to move it as the drill portion wears. It allows the operator to control the depth of the drill and the adapter. The adjustable countersink will outlast two or three drill bits.
Production fabricators will prefer the adjustable countersink adapter for a number of reasons. A clean edge chip line is one benefit. Tempering firms can cut scrap loss, from hole drilling failures in the furnace quench area, by at least 8%.

ADAPTER FOR BELGIAN THREAD DIAMOND DRILL

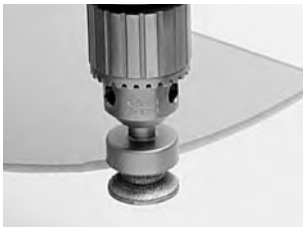
STOCK NO.	Size	mm	Suggested Drill Speed	UNIT PKG.
220-2571	1/4″	6.35	3000	ONE DRILL
220-2572	5/16″	7.94	3000	ONE DRILL
220-2573	3/8″	9.53	3000	ONE DRILL
220-2575	7/16″	11.11	1500	ONE DRILL
220-2576	1/2″	12.7	1500	ONE DRILL
220-2577	9/16″	14.29	1500	ONE DRILL
220-2578	5/8″	15.88	1500	ONE DRILL
220-2579	3/4″	19.05	1500	ONE DRILL
220-2580	13/16″	20.64	1000	ONE DRILL
220-2581	7/8″	22.23	1000	ONE DRILL
220-2582	1″	25.4	1000	ONE DRILL
220-2583	1-1/4″	31.75	750	ONE DRILL
220-2584	1-3/8″	34.93	750	ONE DRILL
220-2585	1-7/16″	36.51	750	ONE DRILL
220-2586	1-1/2″	38.1	750	ONE DRILL
220-2587	1-3/4″	44.45	600	ONE DRILL
220-2588	2″	50.8	500	ONE DRILL
220-2589	2-1/4″	57.15	500	ONE DRILL
220-2590	2-1/2″	63.5	430	ONE DRILL
220-2591	2-3/4″	69.85	430	ONE DRILL
220-2592	3″	76.2	330	ONE DRILL
220-2593	3-1/2″	88.9	330	ONE DRILL
220-2594	4″	101.6	300	ONE DRILL

NOTE: OTHER SIZES CAN BE SPECIAL ORDERED

Diamond Bits and Glass Drills

Diamond Coated Grinding Bits

Fits Any 3/8" Drill





These top quality diamond bits smooth cutout holes, slots and curves in 1/4" thick glass. Use to make on-the-job adjustments or to correct cutting mistakes. Use with Somaca Diamond Coolant Stock No. 265-1008.

PENCIL EDGE PROFILE

STOCK NO.	Grit	UNIT PKG.
211-8530	80	ONE BIT
211-8535	120	ONE BIT

FLAT & SEAM EDGE PROFILE

STOCK NO.	Grit	UNIT PKG.
211-8536	80	ONE BIT
211-8537	120	ONE BIT

Makita® Notching Saw Kit

9.6 Volt 3-3/8"

- **Diamond Blade**
- **9.6V Battery**
- **Charger**
- **Adjustable Cutting Depth**
- **Diamond Coolant Supplier**



Notches Glass, Tile and Marble

Kit Includes: saw, diamond blade, battery, charger, hex wrench and coolant supplier.

STOCK NO.	Description	Model	UNIT PKG.
240-4190	Glass Cutting Kit	4190DW	ONE KIT

Accessories







STOCK NO.	Description	Model	UNIT PKG.
240-4486	Diamond Blade	724950-8C	ONE BLADE
240-4495	Coolant Attachment	122387-1	ONE UNIT
265-1008	Diamond Coolant		ONE QUART

STOCK NO.	Description	Model	UNIT PKG.
220-4504	9.6V Ni-MH Battery	192696-2	ONE BATTERY

Tungsten Carbide Prismatic Glass Drills



Somaca prismatic carbide drills have been considered the "standard drill" of the glass industry for over 70 years. Each drill is individually ground and bonded by experienced Somaca machinists. Do not use with hand drill.

Premium Quality

Somaca glass drills will outlast and outperform all others in the U.S. or European markets. Because of the high quality of these drills, drill time can be significantly reduced. Use Somaca Drill Coolant No 265-1000.

STOCK NO.	Hole Size	Suggested RPM	UNIT PKG.
220-3000	1/8"	500 to 600	ONE DRILL
220-3001	5/32"	500 to 600	ONE DRILL
220-3002	3/16"	500 to 600	ONE DRILL
220-3003	7/32"	500 to 600	ONE DRILL
220-3004	1/4"	500 to 600	ONE DRILL
220-3005	5/16"	500 to 600	ONE DRILL
220-3006	3/8"	400 to 500	ONE DRILL
220-3008	1/2"	400 to 500	ONE DRILL

Tungsten Carbide Tipped Spear Point Glass Drills



Good Quality

These spear-style glass drills have carbide heads that produce clean, precise holes in all types of glass, sheet, plate and mirrors. Holes are drilled fast and accurately in bottles, china, tile and ceramics.
Use in Somaca or Baldwin Portable Drilling Machines (set for low speed) or in a hand brace. It is imperative that a drill coolant be used, such as Somaca Drill Coolant, Stock No. 265-1000.

STOCK NO.	Hole Size	Suggested RPM	UNIT PKG.
220-3405	1/8"	500 to 600	ONE DRILL
220-3406	5/32"	500 to 600	ONE DRILL
220-3400	3/16"	500 to 600	ONE DRILL
220-3401	1/4"	500 to 600	ONE DRILL
220-3402	5/16"	500 to 600	ONE DRILL
220-3403	3/8"	400 to 500	ONE DRILL
220-3404	1/2"	400 to 500	ONE DRILL

Brass and Steel Glass Tube Drills

Brass "Dubl-Life" Glass Tube Drills



Somaca brass tube drills hold abrasive grain better, thereby producing faster, smoother and cleaner drilling. The drill tubes and the drill heads are separate units, which lock together to form a complete drilling unit. The drill tubes are 4 inches long with abrasive grain ejection slots staggered for rigidity.

The tool can be used all the way down to the end of the second set of slots. Drill heads fit snugly in the drill tubes and are equipped with 1/4" diameter drill shanks. (4", 5" and 6" drills have 3/8" shanks.) 80 grit silicone carbide abrasive grain (Somaca No. 264-1080) is recommended for most glass drilling requirements. Drills are available in sizes ranging from 1/2 inch to 6 inches in diameter.

Drill Heads



STEEL - 1/4" SHANK
UNIT PKG: ONE DRILL HEAD

STOCK NO.	Diameter
220-2622	5/8"
220-2623	3/4"
220-2624	13/16"
220-2625	7/8"
220-2626	1"
220-2627	1-1/4"
220-2628	1-1/2"
220-2629	1-3/4"
220-2630	2"
220-2631	2-1/4"
220-2632	2-1/2"
220-2634	3"

STEEL - 3/8" SHANK

STOCK NO.	Diameter
220-2638	4"

Drill Tubes



BRASS
UNIT PKG: ONE DRILL TUBE

STOCK NO.	Diameter
220-2722	5/8"
220-2723	3/4"
220-2724	13/16"
220-2725	7/8"
220-2726	1"
220-2727	1-1/4"
220-2728	1-1/2"
220-2729	1-3/4"
220-2730	2"
220-2731	2-1/4"
220-2732	2-1/2"
220-2734	3"

HEAVY GAUGE STEEL

STOCK NO.	Diameter
220-2738	4"

Drill Head and Tube Complete Unit



BRASS - 1/4" SHANK
UNIT PKG: COMPLETE UNIT

STOCK NO.		Diameter
220-2621	(1 Piece)	1/2"
220-2822		5/8"
220-2823		3/4"
220-2824		13/16"
220-2825		7/8"
220-2826		1"
220-2827		1-1/4"
220-2828		1-1/2"
220-2829		1-3/4"
220-2830 *		2"
220-2831		2-1/4"
220-2832		2-1/2"
220-2834		3"

HEAVY GAUGE STEEL
3/8" SHANK

STOCK NO.		Diameter
220-2838 **		4"
220-2840	(1 Piece)	5"
220-2841	(1 Piece)	6"

*For drilling switch plates
**For drilling speak holes

SOMACA Abrasive Grinding Grain

Silicone Carbide for Tube Drilling of Glass

It's the abrasive grain that actually cuts the hole in the glass. The brass or steel drills guide the grain to perform its cutting function. For **coarse grinding** use 60, 80, or 100 grit. For **fine grinding**, use 100 or 120 grit. For **hole drilling**, 80 grit. For **smooth hole finishing**, 120 grit.

STOCK NO.	Grit	Metric Weight	Contents	UNIT PKG.
264-1060	60	4.53 kg	10 lbs.	ONE CAN
264-1080 **Best Seller**	80	4.53 kg	10 lbs.	ONE CAN
264-1100	100	4.53 kg	10 lbs.	ONE CAN
264-1120	120	4.53 kg	10 lbs.	ONE CAN

Drilling Supplies

Steel Tube Drills

Welded Single Unit - 1/4" Shank



This single unit drill consists of a head and tube welded together. They are strictly an economy tool to drill glass and are not recommended for continuous or production drilling. Drill units are 4" long.

STOCK NO.	Size	Shank	UNIT PKG.
220-2801	1/2"	1/4"	ONE
220-2803	3/4"	1/4"	ONE
220-2806	1"	1/4"	ONE
220-2808	1-1/4"	1/4"	ONE
220-2813	2"	1/4"	ONE
220-2814	2-1/4"	1/4"	ONE
220-2817	3"	1/4"	ONE
220-2820	4"	1/4"	ONE

Cast Iron Retainer Rings

Eliminates Need for Putty Dam

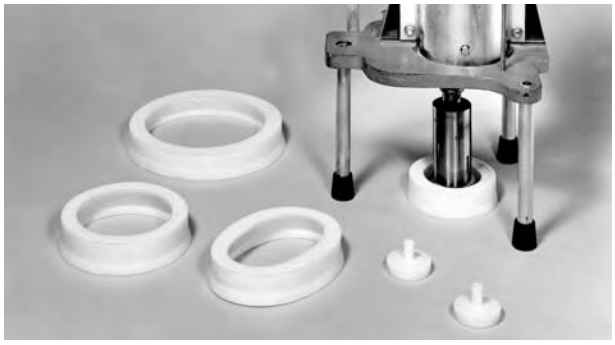


Somaca cast iron **rubber-based** retaining rings lie firmly upon the glass area to be drilled. They contain and control the abrasive grain slurry or drilling coolant as the tube cuts into the glass. These retainer rings promote proper tube drilling of glass while providing coolant leak protection and slurry containment.

STOCK NO.	Drill Sizes	Inside Diameter	UNIT PKG.
220-4612	Up to 2-1/2"	3"	ONE
220-4613	Up to 3-1/2"	4"	ONE
220-4616	Up to 6"	6-1/2"	ONE

Rubber Suction-Grip Retainer Rings and Plugs

Leak-Proof Dam Retains Slurry or Coolant



These soft rubber retainer rings protect glass and mirror from scratches while providing a leak-proof seal. The bottom of these rubber retainer rings are "suction cup" designed to grip the glass tightly and prevent drilling coolant or grain slurry leakage. They adhere easily to the glass with slight hand pressure. The 2" plugs are for dual outlet drilling.

STOCK NO.	Description	Size	UNIT PKG.
240-4650	Round Ring	1-1/2" inside dia.	ONE
240-4653	Round Ring	3" inside dia.	ONE
240-4654	Round Ring	4-1/2" inside dia.	ONE
240-4656	Round Ring	6-1/2" inside dia.	ONE
240-4649	Dual Outlet Plug	2" dia.	ONE
240-4655	Oval Shaped Ring with Outlet Plug	4" oval 2" dia.	ONE

Dressing Brick



The dressing brick is a white aluminum oxide compound. Brick measures 8" long by 2" wide by 1" thick. Saturate the brick with Somaca Drill Coolant No. 265-1000 before dressing the drill bit. Never dress a bit with a dry dressing brick. (Diamond drill bits that should not be dressed are so marked in this catalog.)

STOCK NO.	Description	Color	UNIT PKG.
211-8120	Aluminum Oxide	White	ONE BRICK

Drilling Supplies - Coolant Guide

Coolant Guide for Diamond Drills and Diamond Wheels



The function of coolant is to lubricate and cool the working points of contact while drilling. When used on production machinery, the coolant also provides faster operation, extends the life of diamond wheels, and inhibits rust build-up.

Oil-based coolant has been our best selling product; some customers have begun to use synthetic coolants to comply with local environmental regulations.

For drilling holes in glass, the pre-mixed oil-based formula contains special additives to yield superior results. The other products are listed below by type, application, and recommended mixing ratio.

The newest product in this assortment is the synthetic powder. When mixed with water, this powder will yield 100 gallons of coolant per pound. The synthetic powder is inexpensive to ship. Other product benefits are listed below.



Oil-Based Liquid Products

STOCK NO.	Application	Mixing Ratio	Weight	Size	UNIT PKG.
265-1000	Drills	Pre-Mixed	8 lbs.	1 Gallon	ONE
265-1002	Drills	Pre-Mixed	40 lbs.	5 Gallon	ONE
265-1008	Wheels	80:1	2.6 lbs.	1 Quart	ONE
265-1008	Drills	50:1	2.6 lbs.	1 Quart	ONE
265-1010	Wheels	80:1	9.5 lbs.	1 Gallon	ONE
265-1010	Drills	50:1	9.5 lbs.	1 Gallon	ONE
265-1012	Wheels	80:1	47.5 lbs.	5 Gallon	ONE
265-1012	Drills	50:1	47.5 lbs.	5 Gallon	ONE



Synthetic (Oil Free) Liquid Products

STOCK NO.	Application	Mixing Ratio	Weight	Size	UNIT PKG.
265-1015	Wheels	50:1	2.4 lbs.	1 Quart	ONE
265-1015	Drills	33:1	2.4 lbs.	1 Quart	ONE
265-1501	Wheels	50:1	9.5 lbs.	1 Gallon	ONE
265-1501	Drills	33:1	9.5 lbs.	1 Gallon	ONE



Synthetic Powder

Industrial Dry Coolant™ offers high lubricity, dissipates heat, and inhibits rust. It is also anti-foaming, anti-bacterial, and biodegradeable. Small glass shops and new users will find the 1 pound bag ideal. Large fabricators will choose the 40 pound pail which is similar to a 5 gallon container. One pound mixed with shop water yields 100 gallons of coolant.

STOCK NO.	Application	Mixing Ratio	Weight	Size	UNIT PKG.
265-1005	Wheels	100:1	1 lb.	1 Bag	ONE
265-1005	Drills	50:1	1 lb.	1 Bag	ONE
265-1007	Wheels	100:1	40 lbs.	1 Pail	ONE





Accessories

STOCK NO.	Description	Size	UNIT PKG.
265-1006	Squirt Oil Can	16 oz.	ONE
337-1032	Trigger Sprayer	32 oz.	ONE

Defoaming Additive



When using oil-based coolants with edging and bevelling machines, foaming can occur in the recirculating tank and lines. The foaming can be caused by the content of local water and/or the use of too much coolant.
The optimum concentration is dependent on many factors - temperature, composition, viscosity, agitation, etc. Therefore, defoaming effectiveness will be achieved by testing. Suggested concentration is from 100ppm to 500ppm.
Typical properties of this milky white emulsion are pH 7.5, specific gravity @ 60°F is 1.01, and the product has no flash point. Always wear safety eyewear (No. 240-4447) and impervious gloves (No. 240-4125). Read the MSDS sheet for more precautions.

STOCK NO.	Description	Size	UNIT PKG.
265-1016	Defoaming Solution	Quart	ONE
265-1802	Defoaming Solution	Gallon	ONE

Safety Goggles

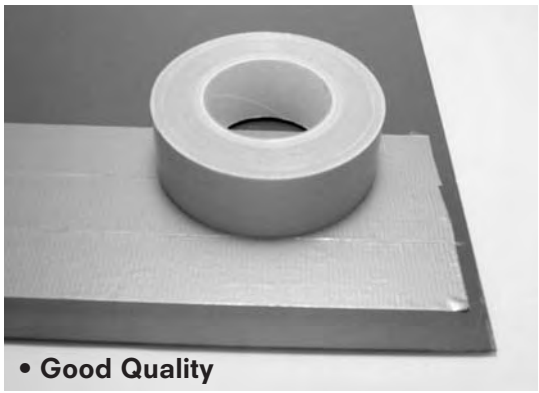
Chemical Splash Protection



- **Indirect Ventilation**
- **Chemical Splash Protection**
- **Soft Pliable Frame for Comfortable Fit**
- **Meets ANSI Z87.1 and CSA Z94.3 Performance Criteria**

STOCK NO.	Description	Lens Color	UNIT PKG.
240-4447	Goggles	Clear	ONE PAIR

Silver Duct Tape



- **Good Quality**

Although duct tape has many general uses, it provides specific benefits when drilling holes in mirror. Duct tape is applied to the back of the mirror where the hole will be drilled. Not only does the duct tape protect the back of the mirror from excessive chipping, but it also holds the cut-out section for easy removal.

STOCK NO.	Width	Length	Weight	UNIT PKG.
101-0445	1-1/2″	180′	1-1/2 lb.	ONE ROLL
	38.10mm	54.86m	0.68 kg	
101-0450	2″	180′	2 lbs.	ONE ROLL
	50.80mm	54.86m	0.90 kg	

STANLEY® Power Tape Rules

FRACTIONALREAD®

- **Numerical Readouts Every 1/8″**
- **7′ Blade Standout**



- **3/4″ and 1″ Wide Blades**

Yellow Blade with Black and Red Figures

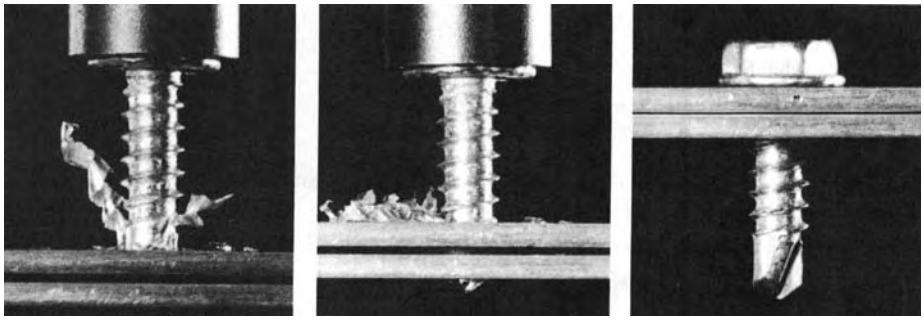
FRACTIONALREAD features numerical readouts every 1/8″. Polymer coated, high contrast markings on blade. Measurements are graduated in 16ths, with stud markings every 16″ and 19.2″. Yellow ABS textured case provides a non-slip grip. Durable 3 rivet hook.

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9736	3/4″	16 ft.	ONE RULE
210-9737	1″	25 ft.	ONE RULE

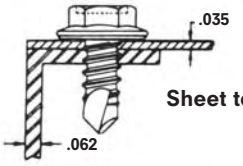
Dril-Kwick® Self-Drilling Screws

Combines Drilling, Tapping, and Fastening in One Easy Operation!

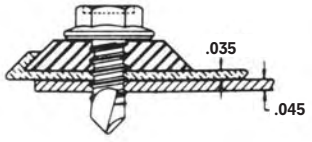
- Metal Window Frames and Doors
- Curtainwalls and Storefronts
- Metal Roofing and Siding
- Automotive Trim
- Ornamental Metal Components
- Electric Fixtures
- Heating and Ventilation Ducts
- Drywall

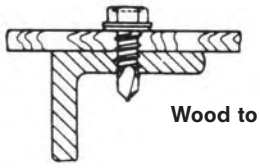














Dril-Kwick Screws quickly drill and tap materials up to 1/4", usually in less time than it takes to drill a hole. Dril-Kwick screws have a die-formed drill point . . . a sharper point that bites in where you start it and will not "walk" or mar surfaces. A Dril-Kwick screw produces the optimum hole size, resulting in better thread engagement and a tighter fit.
These tapping fasteners are heat treated, therefore stronger than ordinary screws. Ideal for curtainwall and window frame installations, metal roofing and storefront fabrication. Fasteners drill their own holes, cut matting threads and seat themselves firmly in steel, aluminum, bronze and other metals. Fastens thicknesses to 1/4" and beyond. Recommended for sheet metal applications .035 to .175.

Phillips Pan Head

Carbon Steel - Zinc Plated



STOCK NO.	Size	Point	Contents	UNIT PKG.
310-7919	6-20 x 3/8"	2	100	ONE BOX
310-7920	6-20 x 1/2"	2	100	ONE BOX
310-7923	8-18 x 1/2"	2	100	ONE BOX
310-7921	8-18 x 3/4"	2	100	ONE BOX
310-7922	8-18 x 1"	2	100	ONE BOX
310-7927	8-18 x 1-1/2"	2	100	ONE BOX
310-7924	10-16 x 1/2"	2	100	ONE BOX
310-7925	10-16 x 3/4"	2	100	ONE BOX

Hex Washer Head

Carbon Steel - Zinc Plated



STOCK NO.	Size	Point	Contents	UNIT PKG.
310-7929	6-20 x 1/2"	2	100	ONE BOX
310-7930	8-18 x 1/2"	2	100	ONE BOX
310-7931	8-18 x 3/4"	2	100	ONE BOX
310-7932	8-18 x 1"	2	100	ONE BOX

Sheet Metal Screws



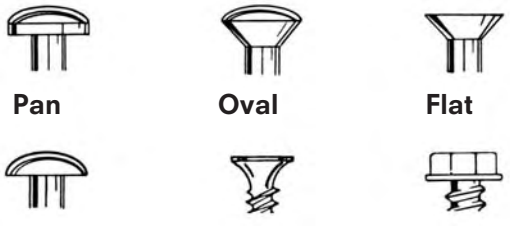
Sheet Metal Screw Head Styles

How to Determine Screw Lengths



Pan | Oval | Flat | Round | Drywall | Hex Washer

Head Styles



Pan | Oval | Flat | Round | Drywall | Hex Washer

Pan Head . . . larger head surface and slot for greater driving power and to spread out the load or cover larger hole. Used mainly in metal fastening where a protruding head is specified.

Oval Head . . . bottom of the head countersinks, top protrudes slightly. Looks decorative for a good appearance.

Flat Head . . . entire head countersinks for a flush mount with the surface. Used where a flat surface is necessary.

Slotted . . . for low torque driving. Use where you're not worried about damage if the driver slips.

Phillips . . . more actual blade surface to grip the screw head. Use where more driving torque is needed or when power driving with a drill.

Sheet Metal Screws

Flat Head - Phillips



Phillips | Flat Head | Bright Zinc

STOCK NO.	Size	Contents	UNIT PKG.
311-2210	6 x 1/2"	100	ONE BOX
311-2211	6 x 5/8"	100	ONE BOX
311-2212	6 x 3/4"	100	ONE BOX
311-2214	6 x 1"	100	ONE BOX
311-2216	6 x 1-1/4"	100	ONE BOX
311-2217	6 x 1-1/2"	100	ONE BOX
311-2218	6 x 2"	100	ONE BOX
311-2221	8 x 1/2"	100	ONE BOX
311-2223	8 x 3/4"	100	ONE BOX
311-2225	8 x 1"	100	ONE BOX
311-2227	8 x 1-1/4"	100	ONE BOX
311-2228	8 x 1-1/2"	100	ONE BOX
311-2236	10 x 3/4"	100	ONE BOX
311-2238	10 x 1"	100	ONE BOX
311-2240	10 x 1-1/4"	100	ONE BOX
311-2241	10 x 1-1/2"	100	ONE BOX
311-2243	10 x 2"	100	ONE BOX
STOCK NO.	**Size**	**Contents**	**UNIT PKG.**
315-2216	6 x 1-1/4"	1000	ONE BOX
315-2217	6 x 1-1/2"	1000	ONE BOX
315-2218	6 x 2"	1000	ONE BOX
315-2225	8 x 1"	1000	ONE BOX
315-2227	8 x 1-1/4"	1000	ONE BOX
315-2228	8 x 1-1/2"	1000	ONE BOX

Sheet Metal Screws

Pan Head - Phillips



Phillips | Pan Head | Bright Zinc

STOCK NO.	Size	Contents	UNIT PKG.
113-4507	6 x 1/4"	100	ONE BOX
113-4509	6 x 3/8"	100	ONE BOX
113-4510	6 x 1/2"	100	ONE BOX
113-4511	6 x 5/8"	100	ONE BOX
113-4512	6 x 3/4"	100	ONE BOX
113-4514	6 x 1"	100	ONE BOX
113-4516	6 x 1-1/4"	100	ONE BOX
113-4217	6 x 1-1/2"	100	ONE BOX
113-4519	8 x 3/8"	100	ONE BOX
113-4521	8 x 1/2"	100	ONE BOX
113-4523	8 x 3/4"	100	ONE BOX
113-4525	8 x 1"	100	ONE BOX
113-4527	8 x 1-1/4"	100	ONE BOX
113-4528	8 x 1-1/2"	100	ONE BOX
113-4534	10 x 1/2"	100	ONE BOX
113-4535	10 x 5/8"	100	ONE BOX
113-4536	10 x 3/4"	100	ONE BOX
113-4538	10 x 1"	100	ONE BOX
113-4540	10 x 1-1/4"	100	ONE BOX
113-4541	10 x 1-1/2"	100	ONE BOX
113-4542	10 x 1-3/4"	100	ONE BOX

Sheet Metal Screws

Sheet Metal Screws Oval Head - Phillips

Chrome & Zinc





STOCK NO.	Size	Finish	Contents	UNIT PKG.
113-3211	6 x 5/8″	Zinc	100	ONE BOX
113-3216	6 x 1-1/4″	Zinc	100	ONE BOX
113-3316	6 x 1-1/4″	Chrome	100	ONE BOX
113-3318	6 x 1-1/2″	Chrome	100	ONE BOX
113-3217	6 x 1-1/2″	Zinc	100	ONE BOX
113-3227	8 x 1-1/4″	Zinc	100	ONE BOX
113-3243	10 x 2″	Zinc	100	ONE BOX

Oval Head - Slotted Screw

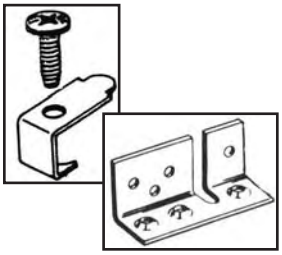
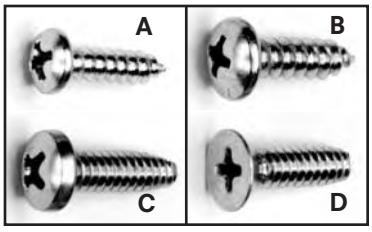
Bright Zinc - No. 6 Screw




STOCK NO.	Size	Finish	Contents	UNIT PKG.
113-3116	6 x 1-1/4″	Zinc	100	ONE BOX
113-3117	6 x 1-1/2″	Zinc	100	ONE BOX

Storefront Bracket Screws

Phillips - Self Tapping Screws - Zinc

STOCK NO.	Size	Head	Contents	UNIT PKG.
A 113-4510	6 x 1/2″	BH Phillips	100	ONE BOX
B 113-4535	10 x 5/8″	BH Phillips	100	ONE BOX
C 113-5564	10-24 x 5/8″	BH Phillips	100	ONE BOX
C 113-5565	10-24 x 1-1/4″	BH Phillips	100	ONE BOX
D 113-5563	10-24 x 5/8″	FH Phillips	100	ONE BOX

Oval Head - Phillips Screws

No. 8 Screw with No. 6 Phillips Head
Bright Zinc and Chrome




STOCK NO.	Size	Finish	Contents	UNIT PKG.
114-3223	8 x 3/4″	Zinc	100	ONE BOX
114-3225	8 x 1″	Zinc	100	ONE BOX
114-3227	8 x 1-1/4	Zinc	100	ONE BOX
STOCK NO.	**Size**	**Finish**	**Contents**	**UNIT PKG.**
114-3427	8 x 1-1/4″	Chrome	100	ONE BOX
114-3429	8 x 1-3/4″	Chrome	100	ONE BOX

Flat Head - Phillips Screws with Undersized Heads

Bright Zinc
No. 4 Phillips Flat Head Screws




STOCK NO.	Size	Finish	Contents	UNIT PKG.
114-2208	6 x 5/16″	Zinc	100	ONE BOX

No. 6 Phillips Flat Head Screws




STOCK NO.	Size	Finish	Contents	UNIT PKG.
114-3220	8 x 7/16″	Zinc	100	ONE BOX

Sheet Metal Screws with Countersunk Washers

Oval Head - Phillips
Bright Chrome and Black


Chrome


Black Phosphate

STOCK NO.	Size	Finish	Contents	UNIT PKG.
113-8320	6 x 3/4″	Chrome	100	ONE BOX
113-8322	8 x 5/8″	Chrome	100	ONE BOX
113-8323	8 x 3/4″	Chrome	100	ONE BOX
113-8325	10 x 3/4″	Chrome	100	ONE BOX
STOCK NO.	**Size**	**Finish**	**Contents**	**UNIT PKG.**
113-8327	8 x 5/8″	Black	100	ONE BOX
113-8329	8 x 3/4″	Black	100	ONE BOX

Phillips Sheet Metal Screw with Spinning Flat Washer - Black



This pan head tapping screw is for general purpose use on GM cars and trucks.

STOCK NO.	Size	Finish	Contents	UNIT PKG.
190-6845	8 x 9/16″	Black	100	ONE BOX

Phillips Sheet Metal Screw with Fixed Flat Washer - Black



A sheet metal screw with a Tek point and a countersink washer head. Used to adhere reveal mouldings to panels on GM cars and trucks. Point: M4.2-0.79 x 15mm.

STOCK NO.	Size	Finish	Contents	UNIT PKG.
190-6819	8 x 9/16″	Black	100	ONE BOX

Framing and Wood Screws

Long Framing Screws

Phillips - Flat Head
Bright Zinc



Popular Sizes for Storefront Fabrication

These long framing screws are popular with storefront fabricators for attaching store front tubing to substrates. Their extra long lengths assure a secure and dependable grip.

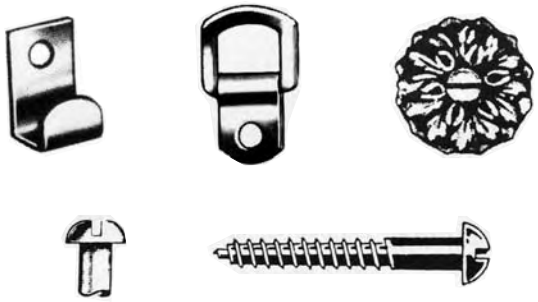
STOCK NO.	Size	Contents	UNIT PKG.
313-2268	10 x 2″	100	ONE BOX
313-2270	10 x 2-1/2″	100	ONE BOX
313-2272	12 x 2-1/2″	100	ONE BOX
313-2274	12 x 3″	100	ONE BOX
313-2276	12 x 3-1/2″	100	ONE BOX
313-2278	12 x 4″	100	ONE BOX
313-2284	14 x 3″	100	ONE BOX
313-2286	14 x 3-1/2″	100	ONE BOX
313-2288	14 x 4″	100	ONE BOX

BULK CASE

STOCK NO.	Size	Contents	UNIT PKG.
313-2290	12 x 2-1/2″	1000	ONE BOX
313-2291	12 x 3″	1000	ONE BOX
313-2292	12 x 3-1/2″	1000	ONE BOX

Wood Screws

Round Head Slotted
Bright Zinc

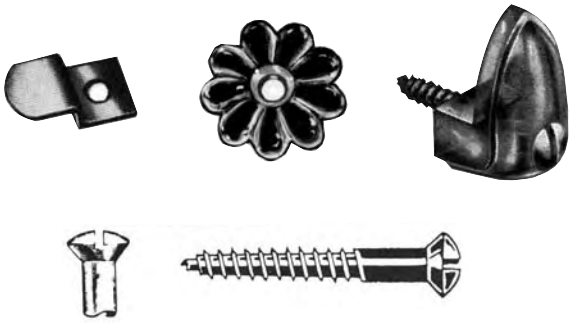


These screws are ideally suited for installing Somaca mirror clips, rosettes, and hangers.

STOCK NO.	Size	Contents	UNIT PKG.
313-1114	6 x 1″	100	ONE BOX
313-1116	6 x 1-1/4″	100	ONE BOX
313-1117	6 x 1-1/2″	100	ONE BOX

Wood Screws

Oval Head Slotted
Bright Zinc



STOCK NO.	Size	Contents	UNIT PKG.
313-3114	6 x 1″	100	ONE BOX
313-3116	6 x 1-1/4″	100	ONE BOX
313-3117	6 x 1-1/2″	100	ONE BOX

Brass Wood Screws

Round Head Slotted



This brass screw is primarily used with Somaca shield design gold metal rosettes, which have countersunk holes.

STOCK NO.	Size	Contents	UNIT PKG.
313-1616	6 x 1-1/4″	100	ONE BOX

Tapped Head Wood Screws

Flat Head - Slotted Tapped
Bright Zinc



These flat head screws are used to fasten mirrors directly to walls and doors. Use with Somaca threaded shank rosettes, buds, and felt sleeves. Wood screws have a No. 3-48 machine tapped hole in the head.

STOCK NO.	Size	Contents	UNIT PKG.
312-1002	8 x 3/4″	100	ONE BOX
312-1003	8 x 1″	100	ONE BOX
312-1004	8 x 1-1/4″	100	ONE BOX
312-1005	8 x 1-1/2″	100	ONE BOX

Insect Screening and Sun Control



Phifer SunScreen Solar Screening

SunScreen is a specially woven exterior solar screen that blocks up to 70% of the sun's heat and glare. SunScreen is an open weave made of durable vinyl-coated fiberglass yarn which has been heat treated for a stable and quality product.

BRONZE SUNSCREEN

STOCK NO.	Size	UNIT PKG.
348-4424	24″ x 100′	ONE ROLL
348-4430	30″ x 100′	ONE ROLL
348-4436	36″ x 100′	ONE ROLL
348-4048	48″ x 100′	ONE ROLL
348-4060	60″ x 100′	ONE ROLL
348-4072	72″ x 100′	ONE ROLL

CHARCOAL SUNSCREEN

STOCK NO.	Size	UNIT PKG.
348-4837	24″ x 100′	ONE ROLL
348-4330	30″ x 100′	ONE ROLL
348-4336	36″ x 100′	ONE ROLL
348-4348	48″ x 100′	ONE ROLL
348-4360	60″ x 100′	ONE ROLL
348-4372	72″ x 100′	ONE ROLL

Phifer SunTex Screening

SunTex is a woven fabric of extremely strong and durable vinyl-coated polyester yarn. The uniform weave design offers excellent outward visibility and good ventilation. SunTex blocks up to 80% of the sun's heat and glare. The fabric is also pet resistant making it ideal for use in doors and full length screen panels.

BLACK SUNTEX

STOCK NO.	Size	UNIT PKG.
348-4836	36″ x 100′	ONE ROLL
348-4848	48″ x 100′	ONE ROLL
348-4860	60″ x 100′	ONE ROLL
348-4872	72″ x 100′	ONE ROLL

GRAY SUNTEX

STOCK NO.	Size	UNIT PKG.
348-6836	36″ x 100′	ONE ROLL
348-6848	48″ x 100′	ONE ROLL
348-6861	60″ x 100′	ONE ROLL
348-6872	72″ x 100′	ONE ROLL





Phifer Super Solar Screening

Blocks Up To 90% of The Sun's Heat

Phifer Super Solar Screening is the ultimate shading protection. Blocks up to 90% of the sun's heat with excellent outward visibility. This keeps carpets and draperies from fading and saves energy.

CHARCOAL SUPER SOLAR

STOCK NO.	Size	UNIT PKG.
348-3536	36″ x 100′	ONE ROLL
348-3548	48″ x 100′	ONE ROLL
348-3584	84″ x 100′	ONE ROLL

Bulk Screening Dispenser Rack



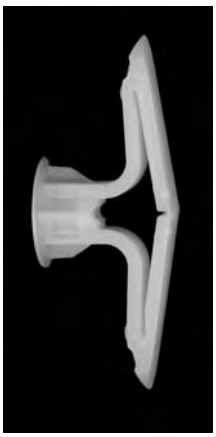


Tension Device Keeps Screen from Uncoiling

- Moveable Cutting Table Quickly Moves to Any Ten Rows
- Heavy Duty Counter Accurately Measures Screen as It's Pulled Off the Roll
- Take-Up Bar Neatly Rolls Up the Screening As It Goes Through the Counter

STOCK NO.	Size	UNIT PKG.
200-0721	62″W x 84″H x 27″D	ONE

Anchors



TOGGLER® Anchors

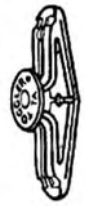
TOGGLER Hollow-Wall Anchors Give You Super Versatility In . . .

• Gypsum Board • Drywall • Plasterboard • Plaster
• Acoustic Ceilings • Masonite • Thin Paneling
• Sheet Metal • Hollow Core Doors • Fiberglass

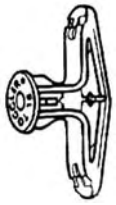
Toggler Nylon Screw Anchors:

• Need only a small 5/16" hole
• Work in hollow or solid walls
• Will take many sizes of screws

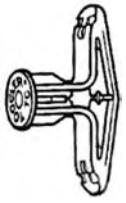




310-1642
Grip Range
1/8" - 1/4"
3-6mm



310-1641
Grip Range
3/8" - 1/2"
9-13mm



310-1643
Grip Range
5/8" - 3/4"
16-19mm

UNIT PKG: ONE BOX of 100

STOCK NO.	Mfr. No.	Application	UNIT PKG.
310-1642	TA	Hollow Doors	ONE BOX
310-1641	TB	Drywall	ONE BOX
310-1643	TC	Drywall/Plaster	ONE BOX

TOGGLER Installation Tool

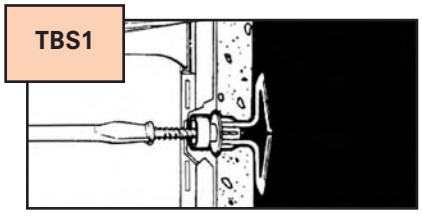


Kit contains drill and steel push key.

STOCK NO.	UNIT PKG.
310-1646	ONE TOOL

Specialty Anchors

TOGGLER Shelving Anchors

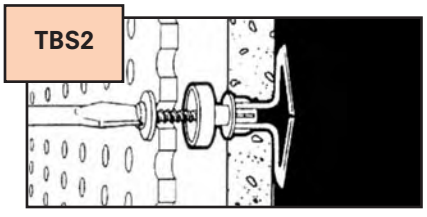


No More Fumbling with Shelving Standards

The built-in spacer is made to fit flush with shelving standards (C-channel) to ensure accurate alignment and prevent the anchor from being jacked out of the wall during installation. There is no need to find a stud. The anchors work in hollow, thick and solid walls and may be used as a stand-off for installing equipment on warm or wet walls when ventilation is needed behind the installed object.

STOCK NO.	Quantity	UNIT PKG.
310-1644	50 - Without Screws	ONE BOX

TOGGLER Pegboard Anchors



Peg Hooks Get the Space They Need To Do The Job

Built-in spacers hold the pegboard the proper distance from the wall to allow peg hooks to work. The anchors eliminate furring strips, letting you configure the peg hooks in any arrangement you choose, quickly and easily, without losing the use of entire lines of peg holds.
They work in hollow, thick and solid walls and may be used as a stand-off for installing equipment on warm or wet walls when ventilation is needed behind the installed object.

STOCK NO.	Quantity	UNIT PKG.
310-1645	50 - Without Screws	ONE BOX

Anchors and Toggle Bolts

Steel Screw Anchors and Installer Gun



Use Mollies where screws won't hold. For securely fastening fixtures to all kinds of wallboard, plaster, brick, concrete, and tile. Efficient, quick and easy to install objects. These screw anchors form their own backing without damage to fixtures or substrate. Use 5/16" drill bit for installation. The Molly high speed installer gun makes quick work of installing Mollies, saving labor and time.



UNIT PKG: 100 ANCHORS PER BOX

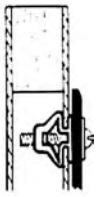
STOCK NO.	Part	Screw Size	Grip Range	UNIT PKG.
310-1002	1/8S	6-32 x 1-1/2	1/8 to 1/2	ONE BOX
310-1003	1/8SL	6-32 x 2	1/8 to 13/16	ONE BOX
310-1006	1/8L	6-32 x 2	5/8 to 7/8	ONE BOX

MOLLY INSTALLER GUN

STOCK NO.	Frame	Description	UNIT PKG.
230-4428	Steel	Molly Installer	ONE GUN

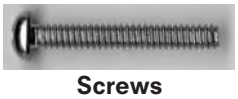
Steel Jack Nut Anchors

Hang Mirrors Directly on Hollow Doors or Any Materials Up to 1/8" Thick





Jack Anchors



Screws Sold Separately

For fastening fixtures to hollow construction where expansion is too small to accommodate Molly screw anchors, such as hollow core flush doors. Needs only 3/8" expansion space. Prongs are large enough to grip firmly, yet small enough to prevent splitting. To install, use a 11/32" drill.

UNIT PKG: 100 ANCHORS PER BOX

STOCK NO.	Part	Screw Size	Grip Range	UNIT PKG.
310-1018	4 x S	6-32 x 1	0 to 3/16	ONE BOX

COMBO HEAD SCREWS. UNIT PKG: 100 PER BOX

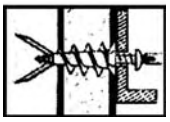
STOCK NO.	Screw Size	UNIT PKG.
113-3362	6-32 x 1	ONE BOX

Zip-It™ Self-Drilling Nylon Drywall Anchors with Screws









Self-Drilling One Piece Anchor for Mounting to Gypsum Wallboard

• High Holding Power • Screw is Removable • Electrically Non-Conductive

Tri-cut points quickly penetrate wallboard. No hammering. Use No. 2 Phillips bit. Each anchor holds 50 lbs in 3/8" wallboard.

UNIT PKG: 50 ANCHORS AND SCREWS PER BOX

STOCK NO.	Description	UNIT PKG.
310-2348	Anchors & 8 x 1" Screws, #2 Bit	ONE BOX
310-2351	Anchors & 6 x 1" Screws, #2 Bit	ONE BOX

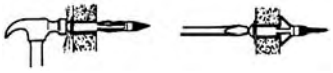
UNIT PKG: 100 ANCHORS WITHOUT SCREWS

STOCK NO.	Description	UNIT PKG.
310-1630	100 Anchors (For #8 Screws)	ONE BOX

PRO-FAST Drive Anchors

All Metal - Fasten Fixtures to Hollow Walls Without Drilling





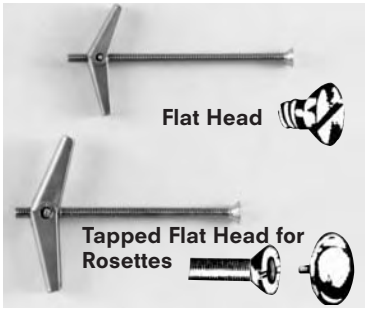
Insert . . . Tap . . . And Turn

No drilling - only a hammer and screwdriver are needed. Tap anchor in and turn screw. A quick fastening method for mirrors, fixtures and wall decorations to hollow walls. Anchors have a round head and zinc finish. With one pull, a Molly installer quickly sets anchor into hollow wall surfaces.

UNIT PKG: 100 ANCHORS PER BOX

STOCK NO.	Overall Length	Body Dia.	Grip Range	UNIT PKG.
310-1104	1-1/2"	1/4"	1/8" - 1/2"	ONE BOX

"Spring Wing" Toggle Bolts



Dependable holding power. Ideal for adhering mirrors or hangers to hollow walls. Initially remove wings, and insert screw into hole of article to be anchored. Fasten wings and push compressed wings through hole, and then tighten screw.

UNIT PKG: 100 BOLTS PER BOX

STOCK NO.	Head	Bolt Size	Drill Size	UNIT PKG.
310-3326	Flat	6-32 x 3	3/8"	ONE BOX
310-3483	Tapped	8-32 x 3	1/2"	ONE BOX

Collar and Collarless Anchors

Plastic Anchors with Collars

"Gripper" Plastic Screw Anchors



STOCK NO.	Screw Size	Drill Size	Lgth.	Color	Contents	UNIT PKG.
310-1211	6-8	3/16"	7/8"	Gray	1000	ONE BAG
310-1213	10-12	1/4"	1"	White	500	ONE BAG

Ribbed round nose for a snug, tight installation. In hollow walls, anchors open behind wall, and the gripper teeth dig into the wallboard. Anchors take several different screw sizes.

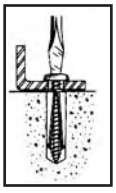
Riblets Plastic Screw Anchors



STOCK NO.	Screw Size	Drill Size	Lgth.	Color	Contents	UNIT PKG.
310-1023	4-8	3/16"	3/4"	White	1000	ONE BOX
310-1033	10-14	1/4"	1-1/16"	White	750	ONE BOX

Multi-ribbed round nose for a better grip. Use with wood or sheet metal screws. All purpose anchor holds in hard or soft material - concrete or plaster. Light to medium duty.

Conical Plastic Screw Anchors



Round nose economy priced, plug style anchors can be used with either wood or sheet metal screws. Great for quick fastening of fixtures such as mirrors, pictures, cabinets, drapes, and shelf brackets.



STOCK NO.	Screw Size	Drill Size	Lgth.	Color	Contents	UNIT PKG.
310-1306	6-8	3/16"	7/8"	Red	1000	ONE BAG
310-1310	10-12	1/4"	1"	Red	1000	ONE BAG

RED-CAP® Plastic Screw Anchors

Flat Nose With Collar
Large Throat - Holds Screw for Easy Start
Gripper Fins - Prevent Turning
Tapered End - Easy to Start in Hole
Fluted Body - For a Tight Fit
Anchors have BIG holding power with gripper fins and a tapered throat. Will not fracture, rot or deteriorate.



STOCK NO.	Screw Size	Drill Size	Lgth.	Contents	UNIT PKG.
310-1995	6, 7 or 8	3/16"	7/8"	100	ONE BOX
310-1996	9, 10 or 12	1/4"	1"	100	ONE BOX

Collarless Anchors



Cylindrical Flat Nose

Self-lubricating anchors expand in the hole for a firm fit. Never split or shatter and can be hammer driven. Cut to any length. Color coded by size.

STOCK NO.	Screw Size	Drill Size	Lgth.	Color	Contents	UNIT PKG.
310-1456	4-5-6	3/16"	1"	White	25	ONE FRAME
310-1457	7-8-9	15/64"	1"	Red	25	ONE FRAME
310-1458	7-8-9	15/64"	1-1/2"	Red	25	ONE FRAME
310-1459	10-12	1/4"	1"	Green	25	ONE FRAME
310-1460	10-12	1/4"	1-1/4"	Green	25	ONE FRAME
310-1461	10-12	1/4"	1-1/2"	Green	25	ONE FRAME
310-1463	13-14-15 & 1/4" Lag	5/16"	1-1/2"	Blue	25	ONE FRAME



Rawl Fiber Flat Nose

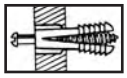
Cylindrical Flat Nose

A wood screw anchor made of woven jute bonded over a lead core. Use with any self-tapping pointed screw. For masonry, gypsum, tile, plaster, marble, slate. Use a 1/4" drill.

STOCK NO.	Screw Size	Drill Size	Rawl Size	Contents	UNIT PKG.
310-2201	11-12 x 1-1/2"	1/4"	12 x 1"	100	ONE BOX
310-2214	11-12 x 1-3/4"	1/4"	12 x 1-1/4"	100	ONE BOX

Somaca Riblets Plastic Screw Anchors





Collarless round nose. All purpose, indoor/outdoor use. For soft or hard materials - wood or sheet metal screws.

STOCK NO.	Screw Size	Drill Size	Lgth.	Color	Contents	UNIT PKG.
310-1035	4-8	3/16"	13/16"	White	1000	ONE BOX
310-1037	10-14	1/4"	1-1/8"	White	750	ONE BOX

Hi-Red® Plastic Screw Anchors

Collarless flat nose. Out-performs any anchor on the market. Screw cuts its own thread. Cut to any length.
Wood Screws - anchor should be as long as threaded part of the screw.
Tapping Screws - anchor should be as long as that part of the screw going into the hole.



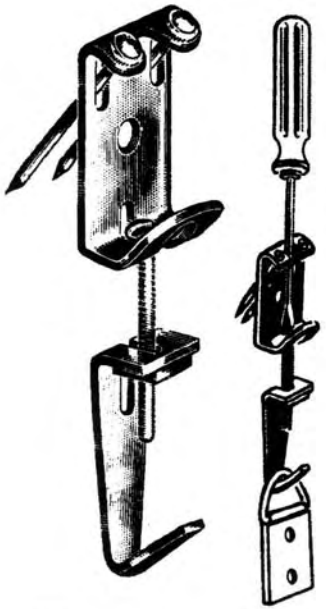
UNIT PKG: ONE BOX OF 100 ANCHORS

For Wood Screws			For Tapping Screws		
STOCK NO.	Screw Size	Length	Screw Size	Length	Drill
310-1988	10-12	1"	8-10	1" - 1-1/4"	1/4"
310-1989	10-12	1-1/2"	8-10	1-1/2" - 1-3/4"	1/4"

Mirror and Picture Hangers

Adjustable and "Wire-Less" Hangers

Allows You to Accurately Level Objects With a Screwdriver After Hanging!





Above illustration shows approximate wall placement of "Wire-Less" Hangers

"Wire-Less" Hanger is nailed into the wall.
Turn screwdriver to level mirror or picture.
Swivel type hanger hangs onto "Wire-Less" hook.



DISPLAY CARD PACKAGED

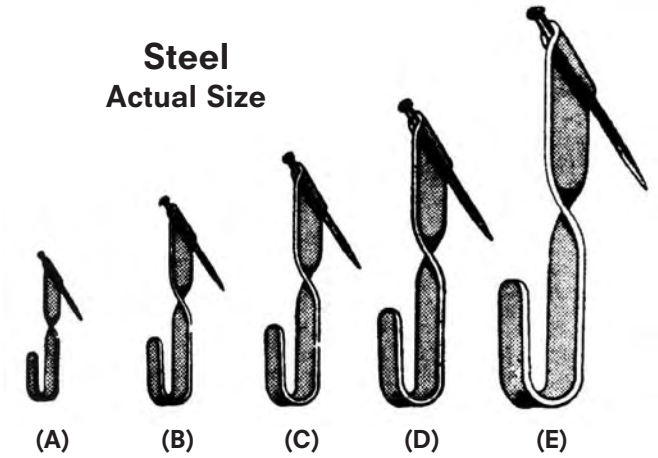
Somaca "Wire-Less" hangers are the biggest selling hangers in our line. They can be used on all types of hangings - mirrors, portraits, pictures and murals. After hanging, leveling is easy. Merely take a screwdriver and adjustments can be made to within 1/100th of an inch.
The hangers will hold up to 100 lbs. They are attractively blister packaged two to a card. The cards are packaged in a master display box to stimulate counter sales.
Somaca "Wire-Less" hangers are the choice of homes, galleries and museums worldwide. Patented.

STOCK NO.	Contents	UNIT PKG.
307-1110	10 Cards - 2 per Card	ONE BOX

MOORE "Push-Less" Hangers

Twist Style Metal Shank

Steel
Actual Size



Best Seller

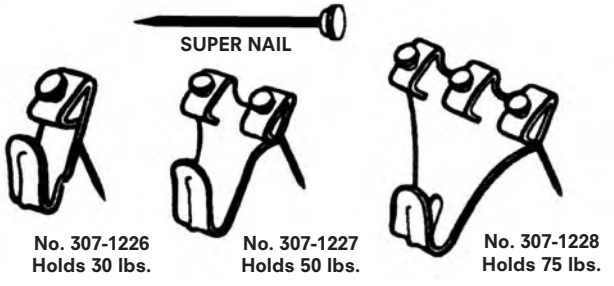
DISPLAY CARD PACKAGED

STOCK NO.	Capacity	Contents	UNIT PKG.
(A) 307-1024	10 lbs.	12 cards - 6 per card	ONE BOX
(B) 307-1025	20 lbs.	12 cards - 5 per card	ONE BOX
(C) 307-1026	30 lbs.	12 cards - 4 per card	ONE BOX
(D) 307-1027	50 lbs.	12 cards - 3 per card	ONE BOX
(E) 307-1028	100 lbs.	12 cards - 2 per card	ONE BOX

BULK PACKAGE

STOCK NO.	Capacity	Contents	UNIT PKG.
(C) 307-1126	30 lbs.	1000	ONE BOX
(D) 307-1127	50 lbs.	500	ONE BOX
(E) 307-1128	100 lbs.	250	ONE BOX

MOORE "Super Nail" Brass Picture Hangers



No. 307-1226
Holds 30 lbs.

No. 307-1227
Holds 50 lbs.

No. 307-1228
Holds 75 lbs.

DISPLAY CARD PACKAGED

The "Super Nail" easily penetrates plaster or wood. "Re-use" by turning the solid brass knurled head and removing carefully. Brass on steel hooks are furnished with needle point tempered nails. Sold in attractive counter display boxes.

STOCK NO.	Capacity	Contents	UNIT PKG.
307-1226	30 lbs.	12 cards - 3 per card	ONE BOX
307-1227	50 lbs.	12 cards - 2 per card	ONE BOX
307-1228	75 lbs.	12 cards - 1 per card	ONE BOX

Mirror Hangers, Picture Hangers & Brads

Saw Tooth Picture Hanger



2 Marking Points

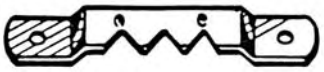


Illustration Actual Size

A medium gauge steel picture hanger with two raised marking points. Provides two useful features to take guess work out of picture hanging: (1) Permits side to side adjustment. (2) Marking points indicate exact spot on wall where to place nail or hook. All hangers furnished with nails.

STOCK NO.	Description	Contents	UNIT PKG.
307-1557	Steel Hanger	100	ONE BOX
307-1580	Steel Hanger	1000	ONE BOX

Saw Tooth Picture Hanger

1 Marking Point

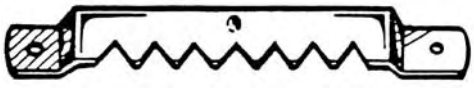
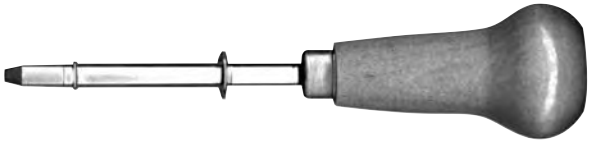


Illustration Actual Size

This medium gauge steel hanger fastens to the back of picture frames, plaques, etc. Hanger has one marking point to indicate where to position fastener on wall. Design enables side to side adjustment. Nails are furnished.

STOCK NO.	Description	Contents	UNIT PKG.
307-1556	Steel Hanger	100	ONE BOX

Brad Driver

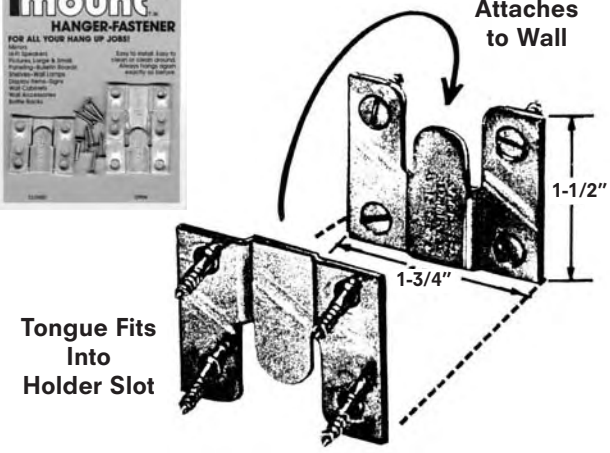


This tool drives and countersinks brads into wood moulding. Metal construction with magnetic pickup. Hardwood handle. Drives brads up to 1" long (16-19 gauge).

STOCK NO.	Description	Length	UNIT PKG.
230-4122	Brad Driver	6-3/4"	ONE

flush mount™ 2-Piece Extra Strength Metal Mirror Hangers





Flushmounts are a two-piece metal, interlocking hanger, ideal for all "hang-up" jobs. Their unique locking systems enable the user to securely hold a wide variety of wall objects.
The extra strength Flushlock is for general usage and used when objects of heavier weight are to be hung. It's perfect for hanging heavy framed mirrors, large portraits, bulletin boards, spice racks and stereo speakers. Furnished carded, with 2 hangers and eight F.H. screws.

STOCK NO.	Description	UNIT PKG.
307-1115	Flushmount Hanger	ONE CARD

Steel Wire Brads







Steel brads are used to secure wood, picture and mirror display frame joints. Extra sharp point allows easy insertion by hammer or brad driver.

SOLD PER ONE POUND BOX

STOCK NO.	Gauge x Length	UNIT PKG.
313-1718	No. 19 x 3/4"	ONE BOX
313-1722	No. 18 x 3/4"	ONE BOX
313-1723	No. 18 x 1"	ONE BOX
313-1730	No. 18 x 1-1/4"	ONE BOX
313-1726	No. 17 x 1"	ONE BOX
313-1732	No. 17 x 1-1/4"	ONE BOX
313-1733	No. 17 x 1-1/2"	ONE BOX
313-1728	No. 16 x 1-1/4"	ONE BOX

Metal Mirror and Picture Hangers

Economy Metal Swivel Hanger



Medium Duty
Split Wire Ring Eyelets

13/16" Hole
Illustrations Actual Size



307-1655



307-1477



307-1476

STOCK NO.	Contents	UNIT PKG.
307-1655	100	ONE BOX
307-1477	100	ONE BOX
307-1476	100	ONE BOX

Safety Hold Metal Swivel Hanger

Heavy Duty
Solid Ring Eyelets

13/16" Hole
Illustrations Actual Size



307-1374



307-1377



307-1376



307-1373

Hangers are used for direct hanging to the wall with picture or wire hooks. Used where strength and support are required.

STOCK NO.	Contents	UNIT PKG.
307-1374	100	ONE BOX
307-1377	100	ONE BOX
307-1376	100	ONE BOX
307-1373	100	ONE BOX

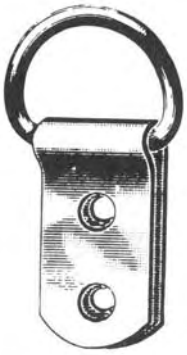
Metal Swivel Hanger

Heavy Duty
Solid Ring Eyelets

13/16" Hole
Illustrations Actual Size



307-1395



307-1654



307-1479

STOCK NO.	Contents	UNIT PKG.
307-1395	100	ONE BOX
307-1654	100	ONE BOX
307-1479	100	ONE BOX

Small Picture Hangers

Light Duty

Steel
Illustrations Actual Size



307-1175
Flat-Round



307-1933
Flat-Clock Key Hole

These hangers are used to hang small, lightweight pictures, graphics, posters, maps, diplomas, etc.

STOCK NO.	Contents	UNIT PKG.
307-1175	100	ONE BOX
307-1933	100	ONE BOX

Braided Wire, Screw Eyes and Turnbuttons

Braided Picture Wire



5 lb. Spools

This high quality wire is trimmed and braided to form a strong and pliable wire-cord, for hanging different sizes of frame pictures, paintings, mirrors and signs. The rolls dispense easily from sturdy metal spools.

NOTE: Use Wire 4x Break Strength of Weight of Picture

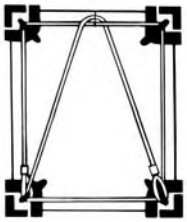
STOCK NO.	Strands	Size	Breaking Strength	Lgth	UNIT PKG.
307-3001	8		34 lbs.	2400′	ONE SPOOL
307-3002	12		51 lbs.	1500′	ONE SPOOL
307-3003	16		68 lbs.	1100′	ONE SPOOL
307-3004	20		85 lbs.	950′	ONE SPOOL
307-3005	24		102 lbs.	725′	ONE SPOOL
307-3006	28		119 lbs.	600′	ONE SPOOL

Fast Frame "Frameless" Adjustable 4-Corner Frame

- **Frames Squares or Rectangles Up to 26"**
- **Sets Up in Seconds - Change Pictures Often**



- **Quick and Easy to Install**
- **Secure Hold**
- **Adjustable Lengths**

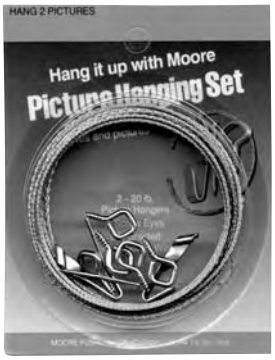


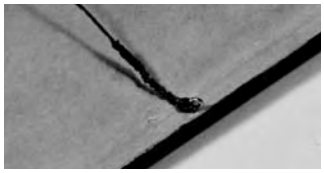
Cord shown on back

Fast Frame will corner frame any size picture up to 2′ square and tighten as it hangs. It's an instant answer to framing and exhibit problems - prints, posters, photos, all kinds of pictures. Sandwich matted picture between glass front and hardboard back, snap on corners, crisscross cord on back as illustrated. Clip on back hanger cord and hang from nail or hook. Packaged on display cards - 12 per box.

STOCK NO.	Finish	Contents	UNIT PKG.
316-8253	Clear	12	ONE DISPLAY

Picture Hanging Set





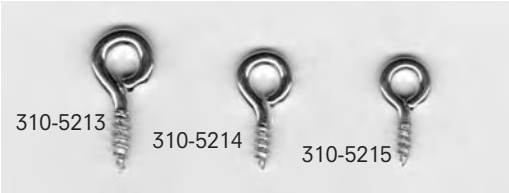


Components for 2 Pictures

Each display card consists of 6 feet of No. 2 braided wire, 4 screw eyes, two 20 lb. steel hangers and nails.

STOCK NO.	Description	Contents	UNIT PKG.
307-3131	Hanger Set	12 Cards	ONE BOX

Bright Steel Screw Eyes



These steel screw eyes are specially plated to resist corrosion and they have sharp threaded points for screwing easily into wood frames.

SOLD PER BOX OF 100

STOCK NO.	Overall Length	Wire Diameter	UNIT PKG.
310-5213	3/4"	3/32"	ONE BOX
310-5214	5/8"	5/64"	ONE BOX
310-5215	9/16"	5/64"	ONE BOX

Wood Frame Turnbuttons

Illustrations Actual Size

307-4569 - Plated



307-4623 - Plated



307-4622 - Plated

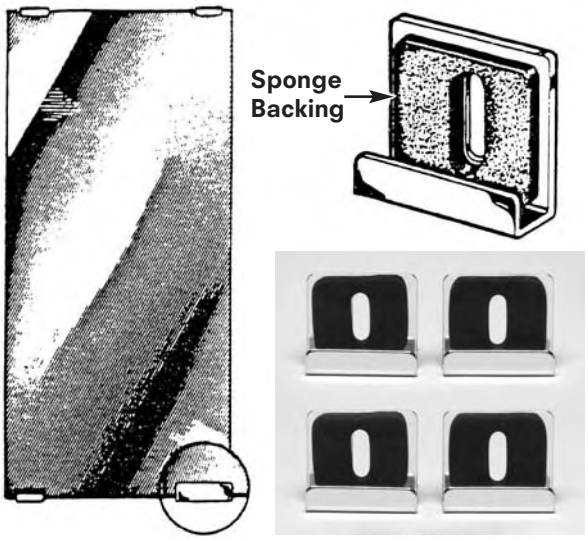


Turnbuttons securely hold mats, cardboard backing and light mirrors in wooden frames.

SOLD PER BOX OF 100

STOCK NO.	Length	Description	UNIT PKG.
307-4569	1"	Button - Ribbed	ONE BOX
307-4623	3/4"	Button - Ribbed	ONE BOX
307-4622	5/8"	Button - Flat	ONE BOX

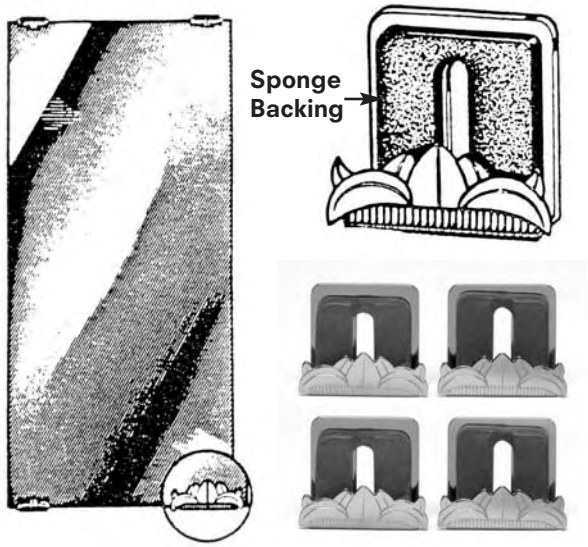
Mirror Clamp Sets



Quartet Mirror Clamp Set
Dallas Design
Chrome and Bright Gold Finishes
Slotted Back

A beautifully finished heavy gauge steel clip made expressly to support and hold 1/4" mirrors. This style is available in high luster chrome or bright gold. The nose is 1-3/16" wide with a sponge backing that helps secure the mirror softly but firmly in place. This clip gives more support than any other clip on the market. Each set consists of four clips and four 6 x 1 FH screws in an attractive package, complete with installation instructions. This is our most popular mirror clamp set, similar in configuration to the familiar Dallas channel clip.

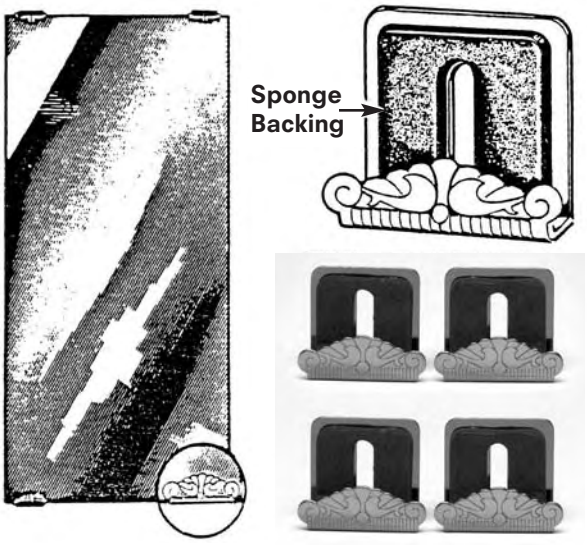
STOCK NO.	Finish	Contents	UNIT PKG.
306-1501 **Best Seller**	Bright Chrome	4 Clamps/Screws	ONE SET
306-1511	Bright Gold	4 Clamps/Screws	ONE SET



Quartet Mirror Clamp Set
Malibu Design
Chrome and Antique Gold Finishes
Slotted Back

An original California garden design, created to enhance the beauty of wall mirrors. Clamps (1-3/8" wide) are similar in concept and construction to the No. 306-1501 clamp. They firmly but softly support 1/4" mirrors on walls and doors. Quality sponge backing holds mirror in place and protects backing from marring. Eye-catching "Malibu" floral design clamp set gives support and protection to the mirror and beauty as well. Packaged sets, four clips with four 6 x 1 FH screws.

STOCK NO.	Finish	Contents	UNIT PKG.
306-1502	Bright Chrome	4 Clamps/Screws	ONE SET
306-1503	Antique Gold	4 Clamps/Screws	ONE SET



Quartet Mirror Clamp Set
Naples Design
Chrome and Antique Gold Finishes
Slotted Back

The "Naples Sunset" design was created to further promote the beauty of mirrors, whether they are in the home, office or store. These superbly made, heavy metal clamps hold 1/4" door or wall mirrors securely and firmly. No need to worry about scratching the mirror backing, as 5/32" thick sponge rubber backing not only protects but cushions the glass. Clamps are 1-3/8" wide and are packaged in sets of four with four 6 x 1 FH screws.

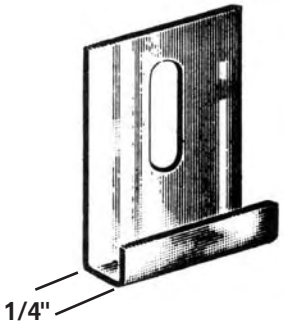
STOCK NO.	Finish	Contents	UNIT PKG.
306-1512	Bright Chrome	4 Clamps/Screws	ONE SET
306-1513	Antique Gold	4 Clamps/Screws	ONE SET

Metal Mirror Clips

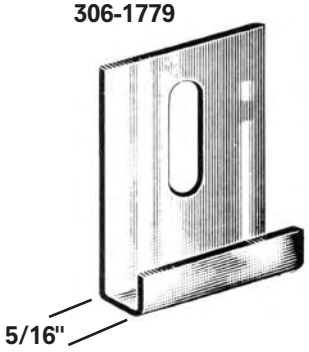
Dallas Wide Lip Channel Mirror Clips

Slotted Back
21 Gauge Steel

306-1778



306-1779



This is one of our most popular mirror clips. Made of 21 gauge polished steel, plated to resist corrosion. A slotted back allows for height adjustments to 1/2". 1" wide x 1-1/4" long. 7/16" from bend to slot. 3/16" x 5/8" long slot.

STOCK NO.	Channel	Contents	UNIT PKG.
306-1778	1/4" (6.35mm)	100	ONE BOX
306-1779	5/16" (7.93mm)	100	ONE BOX

Wide Lip Channel Mirror Clips

Anochrome Finish
Countersunk Holes
For Both 1/4" and 5/16" Glass



305-1277
ONE PIECE



305-1278
TWO PIECE

This classic American clip has an anochrome plating over solid brass. They are furnished complete with screws and are 1-1/2" wide. These clips simplify the installation of large mantel or wall mirrors. It is recommended to use this type of clip in pairs - the one-piece clip acts as a base support; the two-piece clip acts as a top support, providing a snug fit.

STOCK NO.	Type	Height	Contents	UNIT PKG.
305-1277	One Piece	1"	10	ONE BOX
305-1278	Two Piece	1-1/8"	10	ONE BOX



Bevelled Lip Channel Mirror Clip

Slotted Back
16 Gauge Solid Brass - Anochrome

9/16" wide x 1-1/4" long
1/2" from bend to slot
5/32" x 5/8" long slot

STOCK NO.	Channel	Contents	UNIT PKG.
306-1318	5/16" (7.93mm)	100	ONE BOX

Round Lip Channel Mirror Clips

306-1774



306-1776



Slotted Back
16 Gauge Steel - Nickel Plated

1/2" wide x 1-5/8" long
1" from bend to slot
11/64" x 9/16" long slot

STOCK NO.	Channel	Contents	UNIT PKG.
306-1774	1/4" (6.35mm)	100	ONE BOX
306-1776	5/16" (7.93mm)	100	ONE BOX

Round Lip Channel Mirror Clips

Countersunk Holes
16 Gauge Steel - Nickel Plated

305-1775



305-1776



305-1780



1/2" wide x 1-1/2" long
Two 11/64" countersunk holes
7/16" from bend to center of first hole

STOCK NO.	Channel	Contents	UNIT PKG.
305-1775	1/4" (6.35mm)	100	ONE BOX
305-1776	3/8" (9.52mm)	100	ONE BOX
305-1780	5/16" (7.93mm)	100	ONE BOX

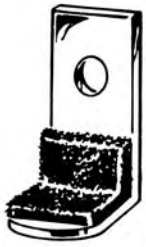
Metal Mirror Clips and Mirror Cleaner

Felt Lined Right Angle Mirror Clips

Nickel Plated



306-1008
16 Gauge Steel



306-1030
16 Gauge Steel



306-1309
18 Gauge Steel
Slotted



306-1327
16 Gauge Steel
Slotted

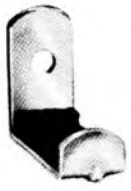
The felt linings prevent metal to glass contact which helps prevent shifting, chipping or scratching the mirror.

STOCK NO. 306-1008 - Felt lined. 1/2" wide, 3/8" lip, 3/4" long. 1/2" hole to bend. 16 gauge steel.
STOCK NO. 306-1030 - Felt lined. 1/2" wide, 1/2" lip, 1" long. 9/16" hole to bend. 16 gauge steel.
STOCK NO. 306-1309 - Felt lined. 3/8" wide, 3/4" long. 5/16" x 5/32" long slot. 18 gauge steel.
STOCK NO. 306-1327 - Felt lined. 1/2" wide, 3/8" lip, 3/4" long. 5/32" x 1/4" long slot. 16 gauge steel.

STOCK NO.	Channel	Contents	UNIT PKG.
306-1008	Flat	100	ONE BOX
306-1030	Flat	100	ONE BOX
306-1309	Flat	100	ONE BOX
306-1327	Flat	100	ONE BOX

Felt Lined Channel Mirror Clip

Nickel Plated



20 Gauge Steel



A felt lined channel clip with a 3/8" wide, 5/16" round lip.

STOCK NO.	Channel	Contents	UNIT PKG.
306-1282	3/8"	100	ONE BOX

Offset Mirror Clips

16 Gauge Steel

Used to mount glass behind wooden frames. 1/2" wide. 1/4" hole to bend. 5/32" hole. Nickel plated.



STOCK NO.	Offset	Contents	UNIT PKG.
306-1826	1/4"	100	ONE BOX

16 Gauge Steel



STOCK NO.	Offset	Contents	UNIT PKG.
306-1827	1/8"	100	ONE BOX

Bendable Flat Mirror Clip



23 Gauge Steel

Enables you to bend the surface to any desired angle. Clip is 3/8" wide, 1-1/2" long, 5/32" hole.

STOCK NO.	Contents	UNIT PKG.
306-1262	100	ONE BOX

SOMACA

"Mirror Glo" Cleaner

- **No Ammonia**

Leaves Mirrors, Windows and Door Panels Sparkling Clean!



Mirrors really do glow with Somaca Mirror Glo. You'll find that Mirror Glo adds that final, professional touch and high polish to all your installation jobs. Your customers will love it - so much that Mirror Glo will be one of your better resale items. Mirror Glo is ammonia free and will not attack mirror edges, or contribute to "black edge." It has a pleasing fragrance and resists fogging on bathroom mirrors. Mirror Glo also retards fingerprint build-up.

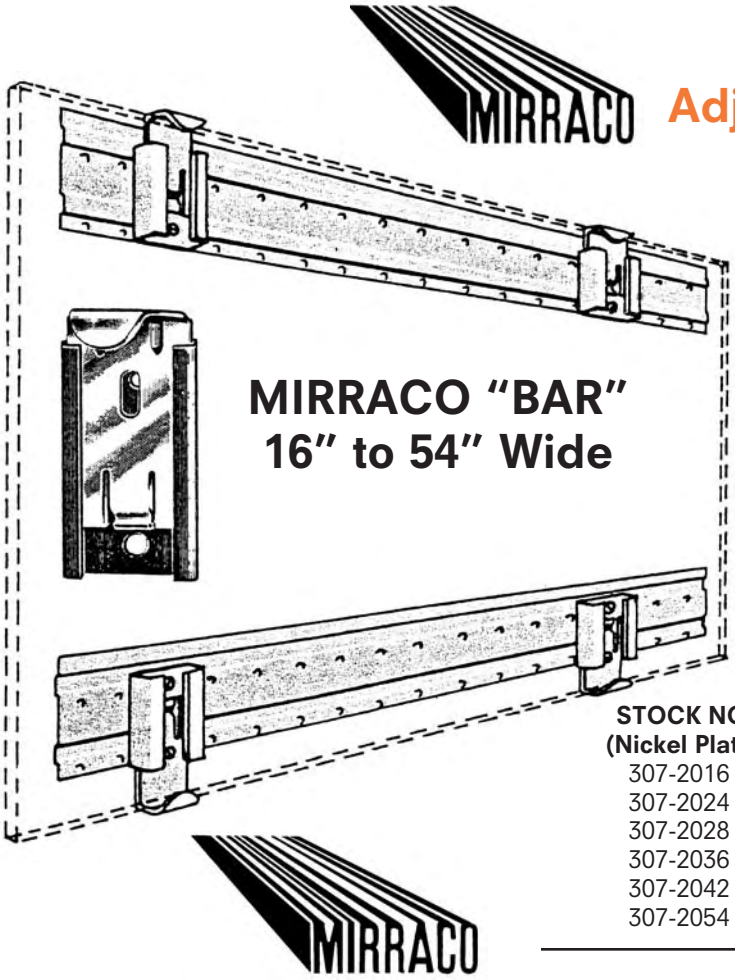
SOLD PER CARTON

STOCK NO.	Size	Contents	Weight	UNIT PKG.
336-7500	19 oz.	12 Cans	22 lbs.	ONE CARTON

GLASS•EEZ GLASS CLEANING TOWELS

STOCK NO.	Sheet Size	Case Contents	UNIT PKG.
213-1300	13-1/2" x 17-5/8"	500 Sheets	ONE CASE

Adjustable Mirror Clamps & Hanger Sets



Adjustable Mirror Hanger Bar

Gold and Bright Nickel Finishes

- No Holes to Drill in Mirrors
- No Backboards Necessary
- Greater Holding Strength
- Reduces Installation Time
- Ample Space Between Mirror and Wall . . . Adds to Life of Mirror

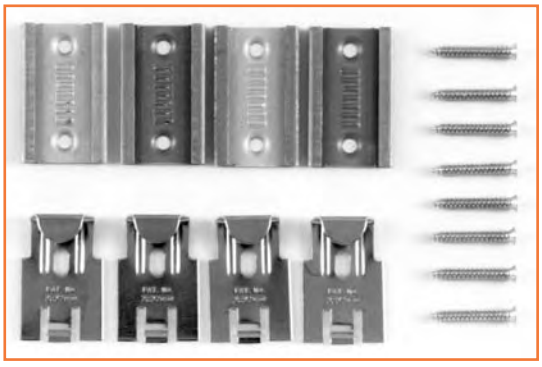


STOCK NO. (Nickel Plated)	STOCK NO. (Gold)	Hanger Width	For Mirrors Up To:	UNIT PKG.
307-2016	307-2316	16"	26" Wide	ONE SET
307-2024	307-2324	24"	30" Wide	ONE SET
307-2028	307-2328	28"	36" Wide	ONE SET
307-2036	307-2336	36"	44" Wide	ONE SET
307-2042	307-2342	42"	56" Wide	ONE SET
307-2054	307-2354	54"	80" Wide	ONE SET

Adjustable Mirror Clamp Sets

1/4" and 3/8" Channel Widths for Seamed Mirrors
1/4" Channel Width for Bevelled Mirrors
Gold and Bright Nickel Finishes

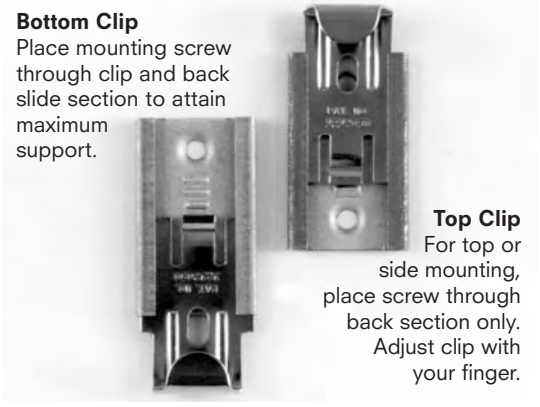
- Adjustable to Fit Any Mirror Width from 16" to 80"
- No Holes to Drill in Mirror or Backboard
- Installation and Removal of Mirrors to New Location Made Easy
- Clips Can be Used as Rigid or Adjustable Hangers



A quick and practical method for installing Mirraco Clips for mantel, wall and circle mounting. Attach Mirraco Clips directly to wall with screws or wall anchors. Bottom clips should be secured with two screws for safe handling of large mirrors. Top clips require one screw to hold brackets in place, and adjustable clip holds mirror in place.

STOCK NO.	Finish	Channel	Contents	UNIT PKG.
		For Seamed Mirrors		
307-2105 Best Seller	Nickel	1/4"	4 Clamps/Screws	ONE SET
307-2106	Gold	1/4"	4 Clamps/Screws	ONE SET
307-2110	Nickel	3/8"	4 Clamps/Screws	ONE SET
307-2116	Nickel	1/2"	4 Clamps/Screws	ONE SET
		For Bevelled Mirrors		
307-2112	Nickel	1/4"	4 Clamps/Screws	ONE SET
307-2115	Gold	1/4"	4 Clamps/Screws	ONE SET

Bottom Clip
Place mounting screw through clip and back slide section to attain maximum support.



Top Clip
For top or side mounting, place screw through back section only. Adjust clip with your finger.

Mirror Clamp Sets

E-Z Mount Mirror Clamp Set

For Fast, Economical, Secure and Versatile Mirror Installations



The ideal method to mount small to medium sized mirrors. Clamps are used on bevelled, polished or seamed mirrors and designed to compensate for uneven walls by allowing a 1/4" air space between the wall and mirror. Heavy 20 gauge metal provides additional support and safety. Bright Nickel finish on steel. 5/16" (7.937mm) channel. E-Z Mounts are the fastest, the easiest and most economical way to hang mirrors.

Each Set Consists of:
4 clamps: two upper spring loaded, two stationary, and 4 No. 9 Flat Head sheet metal 1-1/4" screws.

Top Clips
The top clips have spring-loaded lips. The clips are quick and easy to expand during installation.



Bottom Clips
The bottom clips always remain stationary and have a 5/16" channel space. These clips are not spring loaded and are designed to carry the mirror's weight.



Clamp sets also come furnished with four flexible plastic protectors, with adhesive backing. Protectors are easily applied to the face of the clamp to prevent glass from direct contact with metal and also to act as a cushion. All holes are countersunk to prevent screw head from scratching the back of the mirror.

UNIT PKG: ONE SET OF 4 CLAMPS/SCREWS and 4 PROTECTIVE COVERS

STOCK NO.	Finish	UNIT PKG.
305-2650	Bright Nickel Plate	ONE SET

Super "J" Mirror Clamp Set

Raised Back Flange Prevents Mirror Scratching



No more headaches about screw heads protruding from the clamp to scratch or chip a recently installed mirror. On a specially designed raised back, screw heads fit flush with clamp. These are steel clamps, featuring a rolled edge to prevent peeling of plaster or drywall when forced down. 5/16" (7.937m) channel. Installation instructions included. Each set consists of 4 clamps, 4 screws, and 4 plastic protector pads.

STOCK NO.	Finish	Contents	UNIT PKG.
306-1785	Bright Nickel Plate	4 Clamps/Screws	ONE SET

Close Mount Mirror Clamp Set

For Mounting Mirrors Flush to Walls





Top Clamp
Insert one screw, set mirror, and swivel into position.



Bottom Clamp
Insert two screws for permanent positioning.

A fast, easy way to hang mirrors flush on flat or tilted surfaces when a close tolerance is required. Only 6 holes are required to permit the bottom clips to be mounted permanently, and the top clips to swivel. Each set consists of 2 right hand and 2 left hand clamps. A drop of adhesive on the back of the upper clamp makes a theft-proof mounting. Includes 6-10 x 1-1/4" Phillips sheet metal screws.

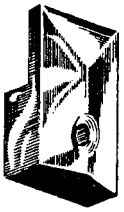
STOCK NO.	Finish	Contents	UNIT PKG.
306-1150	Nickel Plate	4 Clamps/6 Screws	ONE SET

Solid Back Plastic Mirror Clamps

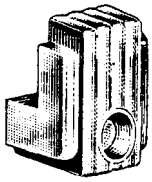
Clamps for Mounting Mirrors to Doors and Walls

Crystal Clear Plastic

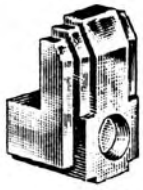
Somaca has the most complete line of dust proof, solid back, plastic mirror clamps. They are the glass trade's choice for securing and supporting door, wall and vanity mirrors.



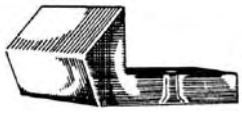
PRISM
305-4862 1/8"
305-4864 1/4"
305-5964 1/4"
305-4865 3/16"



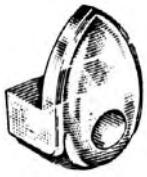
QUATREFOIL
305-4808 1/8"
305-5808 1/8"
305-4931 3/16"
305-4932 3/16"
305-4809 1/4"*
305-5809 1/4"
***Best Seller**



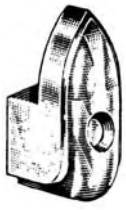
ROMAN SHIELD
305-4804 1/4"
305-5804 1/4"



SIDE MOUNT
305-4915 1/4"
7/8" Deep, 5/8" Wide



TEARDROP
305-4905 1/4"



TEARDROP
305-4908 1/4"

UNIT PKG: ONE BOX OF 100

STOCK NO.	Style	Glass Thickness	UNIT PKG.
305-4808	Solid Back	1/8"	ONE BOX
305-4862	Solid Back	1/8"	ONE BOX
305-4865	Solid Back	3/16"	ONE BOX
305-4931	Solid Back	3/16"	ONE BOX
305-4804	Solid Back	1/4"	ONE BOX
305-4809	Solid Back	1/4"	ONE BOX
305-4864	Solid Back	1/4"	ONE BOX
305-4905	Solid Back	1/4"	ONE BOX
305-4908	Solid Back	1/4"	ONE BOX
305-4915	Side Mount	1/4"	ONE BOX

UNIT PKG: ONE BULK BOX OF 1000

305-5808	Solid Back	1/8"	ONE BOX
305-4932	Solid Back	3/16"	ONE BOX
305-5804	Solid Back	1/4"	ONE BOX
305-5809	Solid Back	1/4"	ONE BOX
305-5964	Solid Back	1/4"	ONE BOX

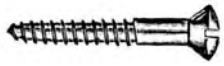
QUATREFOIL

Clear Plastic Mirror Clamp Counter Display









An attention getting display carton that can be placed on the service counter by itself or with each card hung individually on a wire merchandising rack. Each card contains 6 solid plastic mirror clamps (305-4809), with lip designed for 1/4" glass, and 6 oval head, nickel plated wood screws, 1-1/4" long. Complete instructions on each card.

STOCK NO.	Glass Thickness	Contents	UNIT PKG.
305-4930	1/4"	10 Card Display	ONE BOX
305-4931	3/16"	100	ONE BOX
305-4932	3/16"	1000	ONE BOX

Popular Clamp Screws



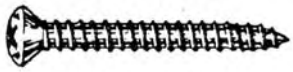
WOOD



UNIT PKG: ONE BOX OF 100

STOCK NO.	Size	Head	UNIT PKG.
313-3164	5 x 1-1/4	Oval-Slotted	ONE BOX
313-3114	6 x 1	Oval-Slotted	ONE BOX
313-3116	6 x 1-1/4	Oval-Slotted	ONE BOX
313-3117	6 x 1-1/2	Oval-Slotted	ONE BOX





SHEET METAL

UNIT PKG: ONE BOX OF 100

STOCK NO.	Size	Head	UNIT PKG.
113-3214	6 x 1	Oval-Phillips	ONE BOX
113-3216	6 x 1-1/4	Oval-Phillips	ONE BOX
113-3116	6 x 1-1/4	Oval-Slotted	ONE BOX
113-3117	6 x 1-1/2	Oval-Slotted	ONE BOX

Plastic Mirror Rosettes and Screws

Clear Plastic Aster Rosettes

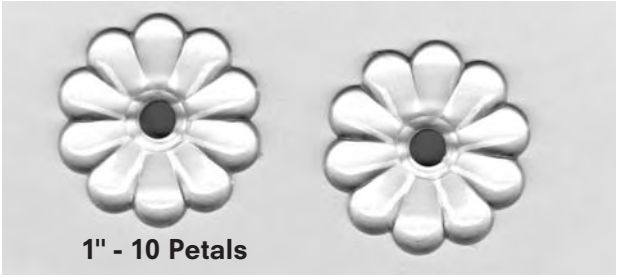


1-1/2" - 8 Petals

These rosettes add a distinctly decorative effect to mirrors and mirror panels. Made of sparkling bright virgin plastic. Countersunk holes. Furnished without screws.

STOCK NO.	Diameter	Contents	UNIT PKG.
301-5150	1-1/2"	100	ONE BOX
301-5175	1-1/2"	1000	ONE BOX

Clear Plastic Daisy Rosettes



1" - 10 Petals

A "chic" decorator rosette, which is excellent for covering drill chips around screw holes in mirrors. Most often used with clear plastic buds, combining to give a blossom-bud effect. Holes are countersunk. Furnished without screws.

STOCK NO.	Diameter	Contents	UNIT PKG.
301-5301	1"	100	ONE BOX

Clear Plastic Bud Rosettes



1/2" - 8 Petals



These clear plastic buds are ideally used to cover screw heads and to blend with any star or daisy design. Each bud has a 3/16" long shank with 3-48 thread and fits Somaca tapped head screws.

STOCK NO.	Dia.	Shank	Thread	Contents	UNIT PKG.
301-6050	1/2"	3/16"	3-48	100	ONE BOX
301-6100	1/2"	3/16"	3-48	1000	ONE BOX

Tapped Head Wood Screws



These flat head screws are used to fasten mirrors directly to walls and doors. Use with Somaca threaded shank rosettes, buds and felt sleeves. Wood screws are made of plain steel with No. 3-48 machine tapped hole in head.

UNIT PKG: ONE BOX OF 100

STOCK NO.	Size	Head	UNIT PKG.
312-1003	No. 8 x 1"	Flat	ONE BOX
312-1004	No. 8 x 1-1/4"	Flat	ONE BOX
312-1005	No. 8 x 1-1/2"	Flat	ONE BOX

Felt Screw Sleeves

Protects Mirror Holes from Damage



The only way to insure proper padding when screws are inserted through drilled holes in mirrors. The white sleeve is durable and flexible but will not slip over screw head.

STOCK NO.	Description	Contents	UNIT PKG.
312-7783	1/4 x 1/4 x 1/8" hole	100	ONE BOX

SOMACA STAR BRITE Hanging Sets

Counter Display Package





These brilliant crystal plastic rosettes add a smart decorator touch to wall hung mirrors. The convenient display packet saves mirror installer time not having to search for components; each attractive card contains one complete set of the following:

- **4 Clear Plastic Aster Rosettes (No. 301-5150)**
- **4 Tapped Head Wood Screws (8 x 1-1/4" - No. 312-1004)**
- **4 Plastic Buds with Threaded Shanks (No. 301-6050)**
- **4 White Felt Protector Sleeves (No. 312-7783)**

STOCK NO.	Contents	UNIT PKG.
301-5251	10 Card Display	ONE BOX

Decorative Metal Mirror Rosettes

ANTIQUE Metal Rosettes

The Designer's Choice

Silver and Gold Antique Finishes

Ideal for accenting plain, bevelled, etched or engraved mirrors. They are often used on awards, commemorative plaques and scrolls.
Furnished without screws or felt washers.
Use No. 6 screws to install.





301-1110
Silver



301-1109
Silver



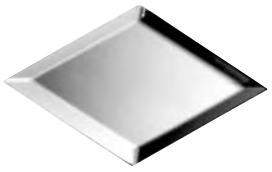
301-1119
Gold

Illustrations Actual Size

STOCK NO.	Diameter	Finish	Contents	UNIT PKG.
301-1110	3/4" (19.05mm)	Silver	100	ONE BOX
301-1109	1" (25.04mm)	Silver	100	ONE BOX
301-1119	1" (25.04mm)	Gold	100	ONE BOX

Mirrored Glass Baguettes





The clarity and brilliance of these bevelled edge baguettes provides a charming accent to mirrored walls. They may also be used on mirrored home accessories. The 3/8" bevel is highly polished and the glass is 1/8" thick.

STOCK NO.	Style	Contents	Size	UNIT PKG.
301-7196	Square	40	2" x 2"	ONE BOX
301-7198	Diamond	40	2" x 3"	ONE BOX

Threaded Shank Rosette



Chrome Plated Cap

These chrome finish rosettes will enhance the beauty of wall and mirror installations. They have a 3-48 x 1/4" screw shank and are most commonly inserted in tapped head screws. No screws are furnished.

STOCK NO.	Diameter	Contents	UNIT PKG.
301-2002	3/4" (19.05mm)	100	ONE BOX

Brass Rosette and Screws





Hand Polished Brass Cap

These attractive looking brass rosettes are used with No. 6 x 1-1/4" round head brass screws.

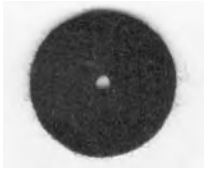
STOCK NO.	Diameter	Contents	UNIT PKG.
301-1104	3/4" (19.05mm)	100	ONE BOX

ROUND HEAD BRASS SCREWS

STOCK NO.	Screw Size	Contents	UNIT PKG.
313-1616	6 x 1-1/4" RH Brass	100	ONE BOX

Black Felt Washers





Cushions and Protects Mirror Surface

These washers protect glass and fine metal surfaces from scratching or marring when metal cap rosettes are installed.

STOCK NO.	Diameter	Contents	UNIT PKG.
312-4474	3/4" (19.05mm)	100	ONE BOX

Stained Glass Circle & Hand Cutters

FLETCHER Stained Glass Cutting Tools

CircleMate II™ Circle & Strip Cutter

Cuts Circles 3" to 72"

- Vacuum Cup Base
- Longer Wheel Life
- English/ Metric Bar



CircleMate II™ is a professional quality cutter with a vacuum cup base that locks firmly to the surface of the glass by depressing the thumb-lever. It comes with an aluminum bar, available in 3 different lengths, that cuts circles from 3" to 28", 48" or 72" in diameter, with an easy to read diameter scale (markings in English and metric.) A cutting turret with 3 steel wheels provides 3 times more cutting life.

STOCK NO.	Description	UNIT PKG.
210-3526	Circles 3" to 28"	ONE CUTTER
210-3548	Circles 3" to 48"	ONE CUTTER
210-3572	Circles 3" to 72"	ONE CUTTER

REPLACEMENT TURRETS

STOCK NO.	Description	UNIT PKG.
210-3532	7/16" dia. Turret with 3 Wheels - 132°	ONE
210-3528	Carbide Wheel/Saddle - 134°	ONE

Small Circle and Lens Cutter

Cuts Circles 1/2" to 5"



Simplicity in design and handling enables the user to cut perfect circles every time. Cuts circles as small as 1/2" in diameter - as large as 5". An ideal unit for hand cutting flashlight lenses on a semi-production basis. 3" graduated rod makes it simple to adjust for any size circle within limits of machine. Turret contains 3 steel wheels.

STOCK NO.	Description	Size	UNIT PKG.
210-3530	Lens Cutter	8" x 6"	ONE CUTTER

REPLACEMENT TURRET



STOCK NO.	Description	UNIT PKG.
210-3531	5/8" dia. Turret with 3 Wheels - 132°	ONE

Steel Wheel Glass Cutter



Ball Handle

Tool steel wheel is hardened by an electronically controlled process to insure exactly the right hardness.

STOCK NO.	Angle	Glass Application	Wheel	UNIT PKG.
210-1128	114°	Stained Glass	Steel	ONE

Carbide Wheel Glass Cutters



210-1136 - Straight Handle



210-1137 - Ball Handle

Carbide wheels are preferred by many glass artisans because of their superior cutting quality and extended wheel life.

STOCK NO.	Angle	Glass Application	Wheel	UNIT PKG.
210-1136	114°	Stained Glass	Carbide	ONE
210-1137	114°	Stained Glass	Carbide	ONE

Carbide Wheel Oil Cutters

Fletcher Brass and Plastic Handle

Fletcher "Gold-Tip" Designer II glass cutters are fluid dispensing cutters that deliver superior glass cutting performance. Cutting heads are interchangeable.



A solid brass contour grip handle glass cutter with either a wide tungsten carbide head for straight edge cutting, or narrow 140° head for pattern cutting.

STOCK NO.	Head	Cut Type	Angle	UNIT PKG.
210-1712	Wide	Straight	140°	ONE
210-1713	Narrow	Pattern	140°	ONE



A plastic contour grip handle glass cutter with a narrow 140° tungsten carbide cutting head for pattern cutting.

STOCK NO.	Head	Cut Type	Angle	UNIT PKG.
210-1711	Narrow	Pattern	140°	ONE



INTERCHANGEABLE REPLACEMENT CUTTING HEAD

STOCK NO.	Head	Cut Type	Angle	UNIT PKG.
210-3714	Narrow	Thin	114°	ONE

Stained Glass Pliers

Soft Jaw Grozing Pliers



Soft nosed Grozing pliers made especially for working with thin or art glass. A must for stained glass work. Top angled jaw and curved lower jaw are serrated. Polished head.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5084	6″	3/8″	6.5 oz.	ONE

Straight Jaw Glass Pliers



This high quality, multi-use pliers is large enough to do all glass work, yet small enough to fit in a pocket. Polished head.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5048	6-1/2″	7/16″	6.5 oz.	ONE

Flare Jaw Glass Pliers



An extremely popular style pliers that belongs on every work bench. Attractively priced, soundly made, balanced feel with polished jaws.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5210	8″	3/4″	12 oz.	ONE

Drop Jaw Glass Pliers



An economical pliers that is heavy and full bodied for work on glass up to 1/2″ thick. Drop head jaw provides powerful leverage under slight hand pressure. Vinyl covered handle.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5215	8-3/4″	7/8″	11.2 oz.	ONE

Glass Run Pliers



Designed to give a clean run on glass. It features a concentric jaw design when placed directly over a score, will motivate a "run" by just squeezing the handles. Thickness adjusting screw allows correct pressure on glass up to 3/8″ thick.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5110	8″	1″	11.2 oz.	ONE

3-Button Glass Run Pliers



The 3 plastic buttons in the jaw aid in starting the glass run, assuring a clean break-off after scoring. Spring assisted grip, vinyl covered handles. Jaw width: lower, 5/8". Upper, 1-7/8".

STOCK NO.	Length	Weight	UNIT PKG.
210-5115	9″	1 lb.	ONE

Silberschnitt
Art Glass Run Pliers



Unique jaw design distinguishes this glass running pliers from all others. A swiveling hard vinyl pressure bar built into the front tip allows you to control the glass run simply by swiveling the bar in the direction of the cut. Lower jaw has a 1″ vinyl disc with a centering point. A great tool for working on mosaic and thin art glass up to 3/16″ thick. The perfect work table companion to the Zag-Zag cutter, Stock No. 230-4820.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
210-5112	7-3/4″	3/8″	8 oz.	ONE TOOL

Stained Glass Tools

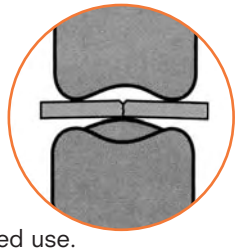
Zag-Zag Glass Nipper
With Glass Run Handles



Easily Cuts Small and Delicate Shapes

The Silberschnitt Zag-Zag nipper is used for glass nipping or cutting of glass up to 1/4" thick. It has two high grade carbide blades for precision cutting.

By reversing the tool, Zag-Zag's 1" wide handle ends can be used as glass run pliers.



Art glass workers will appreciate the attachable scrap bag. The scrap bag can be reversed for right or left handed use. The perfect tool for creating art glass mosaic shapes. Complete instructions are included.

STOCK NO.	Description	UNIT PKG.
230-4820	Glass Nipper	ONE TOOL

Steinel® 3000 Glue Gun



Effectively bonds wood, plastic, tile and ceramics. Smooth trigger action feeds extra long glue sticks. Temperature is maintained constantly by a unique feature called Positive Heat Control. Solid state design.

STOCK NO.	Description	UNIT PKG.
213-2217	Glue Gun	ONE GUN
	4" GLUE STICKS	
STOCK NO.	**Description**	**UNIT PKG.**
213-2206	6 Clear Glue Sticks	ONE BOX
213-2212	30 Clear Glue Sticks	ONE BOX

Don Carlos Curved Lead Knife



A superb German tool designed for lead glazing work. Precision ground, Herder-Solingen steel blade, and black wood handle with polished lead inlay. Knife has weighted end for balance.

STOCK NO.	Length	Weight	UNIT PKG.
230-4011	8"	6 oz.	ONE KNIFE

Mill Hacking Knife



A heavy knife with a thick blade and a glaze finish. Excellent for removing tough putty in sash and frames. Blade extends through handle, has a broad back, and is flanked with leather to give a safe, comfortable grip.

STOCK NO.	Handle	Blade Size	Length	UNIT PKG.
230-4071	Leather	1-1/4" x 4"	8"	ONE KNIFE

Stiff Bent Blade Putty Knives



Embee Brand: This 20° narrow blade knife was designed expressly for glaziers. Ideal for vertical glazing. It has a one piece, high carbon steel blade riveted to a polished hard-wood handle. Heavy metal holster and hanging grommet.

STOCK NO.	Handle	Blade	Width	Bend	UNIT PKG.
210-7280	Wood	Stiff	3/4"	20°	ONE



Embee Brand: Identical in width and style to 210-7280, but has a 35° bent blade. Ideal tool for bench glazing.

STOCK NO.	Handle	Blade	Width	Bend	UNIT PKG.
210-7282	Wood	Stiff	3/4"	35°	ONE

Glass Chipping Tools

Bohle Scalloping Tool

The Innovative Way of Scalloping Glass Edges

- **Instruction Manual Is Included**





The scalloping tool from Bohle quickly produces a regular scallop design on flat glass edges - without the need for expensive machinery. The tool is suitable for glass 1/8" to 1" thick. The depth and width of the scallops can be adjusted to the desired dimensions regardless of the glass thickness. Different edge designs can be produced again and again, each piece unique and hand made, that will allow a substantial profit margin for you!

In addition to the special visual attractiveness of a sophisticated scalloped glass edge, your economical advantage is considerable due to the time saved when finishing the edge. It takes approximately 10% of the time normally required to grind and polish a finished piece by machine. A detailed instruction manual is included.



No. 210-3617
Positioning Aid

The Positioning Aid, which is available separately, helps you hold the tool in the correct position, so your scallops on straight edges or circles are always regular.

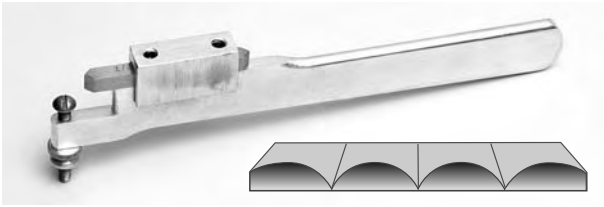


No. 210-3616 - Spare Bit

STOCK NO.	Description	UNIT PKG.
210-3615	Scalloping Tool	ONE TOOL
210-3616	Spare Bit	ONE BIT
210-3617	Positioning Aid	ONE AID

Glass Edge Chipper Tool

- **Produces Scallop or Chip Effect**



This aluminum tool is used for producing a scallop or chip effect, primarily on mirror and decorative glass edges. The size of the chip can be adjusted according to the thickness of the glass. The carbon steel chipping bar is double-ended; merely remove and turn around when one point becomes dull. Chipping points can be resharpened.

NOTE: To cut scalloped glass with a glass edge chipper tool requires skill, dexterity and experience.

STOCK NO.	Description	Length	UNIT PKG.
230-4492	Complete Tool	8"	ONE TOOL
230-4493	Carbon Steel Chipping Bar		ONE TIP

Heavy Plate Glass Pliers

- **Produces Ice Peak Glass Edge**

Hooked Lower Jaw



A tool primarily designed for working with heavy plate glass, Carrara, Virtolite, etc., in all thicknesses up to 1". Easy controlled use with comfortable handles. A plier with rugged strength, perfect balance and easy workability.

STOCK NO.	Length	Jaw Width	Weight	UNIT PKG.
240-4555	14-3/8"	1-1/8"	4-1/4 lbs.	ONE TOOL

Patriot Safety Eyewear

Red, White & Blue Frame



- **Single Lens Style with Molded Nosepiece and Brow Guard**
- **With Integrated Side Shields for a Comfortable Fit**
- **Lightweight Frame with Adjustable Temples**
- **Hard Coated Lens for Scratch Resistance**
- **Meets ANSI Z87.1 Spec.**

STOCK NO.	Description	Lens Color	UNIT PKG.
240-4443	Eyewear	Clear	ONE PAIR
240-4444	Eyewear	Smoke	ONE PAIR

Utility Knives, Snips and Shears

Utility Knife



Heavy Duty - Fixed Blade - Positive Blade Retention

Modeled after the old stand-by knife, our utility knife features a heavy duty die-cast aluminum handle with a fixed blade. Uses Somaca blade 210-4910, or Stanley blade 210-4912.

STOCK NO.	Description	Finish	UNIT PKG.
210-0799	Tool with 1 Blade	Aluminum	ONE KNIFE

Utility Knife

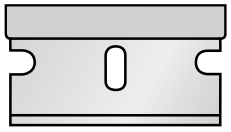


Medium Duty - Retractable Blade - Positive Blade Retention

A button projects and retracts blade to three positions - full, half and one quarter. Lightweight die-cast handle is in two sections, which provides blade storage. Furnished with 2 heavy duty blades. Uses Somaca blade No. 210-4910 or Stanley blade No. 210-4912.

STOCK NO.	Description	Finish	UNIT PKG.
210-4115	Tool with 2 Blades	Charcoal	ONE KNIFE

Single Edge Industrial Blades

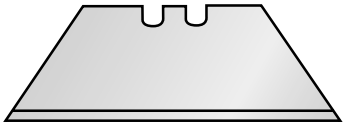


Notched Side Blades

Rectangular, notched side blades made specifically for the glass trade. Honed and ground of surgical steel, the perfect blade for cutting copper foil strips and glass patterns.

STOCK NO.	Contents	UNIT PKG.
210-4502	100	ONE BOX
210-4503	1000	ONE PKG.
210-4517	5000	ONE CTN.

Utility Knife Blade Dispensers



Trapezoid Style Blades



STOCK NO.	Description	Contents	UNIT PKG.
210-4902	Stanley 5-Pack	5 Blades	ONE CARD
210-4912	Stanley Dispenser	100 Blades	ONE
210-4910	Somaca Dispenser	100 Blades	ONE
210-4911	20 Somaca Dispensers	2000 Blades	ONE CTN.

Midwest Aviation Metal Cutting Snips



Straight Cutting

The self-opening steel blades cut up to 18 gauge soft sheet steel. The curved blades are hot drop-forged and heat treated for strength and durability, and easily pivot for continuous cutting of sheet metal, plastic, wire and cloth. It has a one hand operated safety latch. The handles are covered with plastic for superior control, safety and comfort.

STOCK NO.	Length	Cut	Weight	UNIT PKG.
213-1016	10″	1-1/2″	14 oz.	ONE SNIP

PROSNIP® Offset Snips



Right Cutting - Cuts in 3 Directions!

PROSNIP makes difficult cuts with ease. They cut in three directions: straight, angular and circular. Tool virtually handles every cutting job in sheet metal, screening, linoleum, plastic and carpet. The vinyl covered, curved handle fits comfortably and keeps hands safely above the work. Tempered steel blades cut metal up to 18 gauge. Wire cutter in head.

STOCK NO.	Length	Weight	UNIT PKG.
213-1017	9″	15 oz.	ONE SNIP

Wiss® Upholstery Shears



The highest quality American shears you can buy. A result of Wiss research, these shears have been precision engineered to give longer cutting life, maximum cutting edge hardness, durability and functional design. Shears can be used in the upholstering, tailoring, or decorating industries. They can cut rubber, screening, carpet, canvas, leather, etc., and the bent handle lets the blade operate parallel to the cutting surface.

STOCK NO.	Length	Lgth. of Cut	Part No.	UNIT PKG.
213-1120	10″	14-7/8″	20-W	ONE SHEAR

Stained Glass Tools

Glazing Chisel



This American-made chisel can take a pounding. Made of forged alloy hardened steel with a hi-impact, plastic handle, it has a 5/8" cutting bevel tip, used primarily to remove hardened window putty. Also comes in handy for driving points.

STOCK NO.	Blade Width	Overall Length	UNIT PKG.
230-4056	2"	9"	ONE CHISEL

Putty Scrub Brush



This brush is made on a squared end hardwood block, with tampico fibers. Excellent for cleaning lead glass panels after puttying or plastering.

STOCK NO.	Size	Trim	UNIT PKG.
213-1095	8" x 2-3/4"	1-1/8"	ONE BRUSH

Horsehair Blend Bench Brush



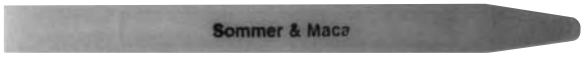
A superlative bench brush with quality blend of 2-1/2" brown horsehair bristles fastened with plastic staples.

STOCK NO.	Texture	Brush Length	Overall Length	UNIT PKG.
213-1094	Horsehair	9-1/2"	14"	ONE BRUSH

Burnisher Paddles



213-3219 - Tapered Tips



213-3220 - Chisel Tip and Tapered Tip

Delron plastic sticks with tapered ends. Primarily used for opening and crimping channels of lead came and dressing copper foil. Also used for scraping excess putty from came edges.

STOCK NO.	Description	Color	UNIT PKG.
213-3219	8" Plastic Stick	Beige	ONE PADDLE
213-3220	8" Plastic Stick	Fluorescent	ONE PADDLE

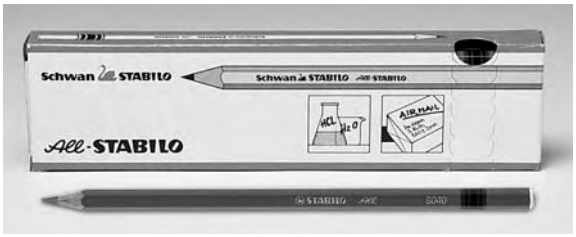
Breakaway Trim Knife



Knife features a breakaway blade that provides 13 new sharp points. Simply snap-off old point and have a new point instantly. The plastic handle has a magazine for blade storage. Comes complete with scoring blade strips, also has blade lock and pocket clip.

STOCK NO.	Description	UNIT PKG.
210-4292	Tool with Blades	ONE KNIFE
210-4913	50 Replacement Blade Strips	ONE PKG.

All-Stabilo® Marking Pencils



All-Stabilo marking pencils write on regular paper as well as glossy materials such as glass, metal, plastic and ceramics.

		SOLD PER DOZEN	
STOCK NO.	Length	Color	UNIT PKG.
211-3040	7"	Red	ONE DOZEN
211-3044	7"	Yellow	ONE DOZEN
211-3046	7"	Black	ONE DOZEN

China Markers



The ideal glass, plastic, ceramic and metal marker. Marks vividly and permanently, even on slick surfaces. Wipes off immediately with damp cloth. A pull-on tear string removes fiber paper for new point. Never dries out.

STOCK NO.	Dia.	Length	Color	UNIT PKG.
211-3446	3/8"	6-1/2"	Black	ONE DOZEN
211-3448	3/8"	6-1/2"	Red	ONE DOZEN
211-3450	3/8"	6-1/2"	Bright Yellow	ONE DOZEN

Glass Scribing Pencils

For Marking on Glass, Metal and Acrylic Surfaces



Carbide Tip



Diamond Tip

STOCK NO.	Length	Tip	UNIT PKG.
211-3483	6"	Carbide	ONE SCRIBE
211-3485	6"	Diamond	ONE SCRIBE

Stained Glass Tools and Supplies

Weller® "Marksman" Stained Glass Soldering Iron



1/4" Chisel Tip



3/8" Chisel Tip



The Weller SPG80L is specifically designed for stained glass work and hobby craft items. Tool comes complete with two long-life plated tips and soldering iron stand. The SPG80L with 1/4" (6mm) and 3/8 (9.5mm) chisel shaped tips reaches 900°F tip temperature. "Power on" indicator light.

STOCK NO.	Watts	Tip Dia.	Lgth.	Wt.	UNIT PKG.
213-1192	80	1/4" & 3/8"	9-1/2"	6 oz.	ONE IRON

Solid Wire Solder



This alloy solder wire is unequalled in purity. It is used in art glasswork to join metal to metal. A flux must be used to remove oxides from metals before using.
NOTE: 60% tin, 40% lead is primarily for lead came soldering, melting point of 374°F. 50% tin, 50% lead is primarily for copper foil soldering, melting point 421°F.

STOCK NO.	Dia.	Tin/Lead	Weight	UNIT PKG.
341-5001	.125	60/40	1 lb.	ONE SPOOL
341-5003	.125	50/50	1 lb.	ONE SPOOL

Acid Swab Brush



Swab brush is used to apply acid, flux and patina to came. Black horsehair set in tin ferrule.

STOCK NO.	Diameter	Length	Contents	UNIT PKG.
230-4066	3/8"	5-3/4"	12	ONE BAG
230-4067	3/8"	5-3/4"	144	ONE BAG

Nokorode Soldering Paste



Nokorode paste provides a fast, safe method of fluxing all common metals except aluminum and magnesium. Special oil base protects solder joint against corrosion or turning black.

STOCK NO.	Size	Description	UNIT PKG.
341-5013	1.7 oz.	Paste	ONE CAN

LA-CO® Soldering Flux



LA-CO Flux prepares lead or copper foiled surfaces for soldering. It's a necessity for all copper foil, lead came or brass soldering and does not contain harsh acids or chemicals. Strong cleansing agents remove oxides from surfaces.

STOCK NO.	Size	Description	UNIT PKG.
341-5017	4 oz.	Liquid	ONE BOTTLE

Steel Wool Pads



Wool pads are made of America's finest steel wool. They are uniformly graded with long, silvery triangular fibers. The fibers form three cutting edges to assure superior cleaning, smoothing and polishing performance.

STOCK NO.	Length	Contents	UNIT PKG.
213-1811	No. 0000 Super Fine	16 Pads	ONE PKG.
213-1812	No. 00 Very Fine	16 Pads	ONE PKG.

Horseshoe Race Nails



No. 5 Regular Head

These hard to obtain nails are used to hold leaded glass pieces in place while assembling the pattern. They drive easily, creating a tight, wedging action.

STOCK NO.	Length	Contents	UNIT PKG.
230-4025	2-1/8"	50	ONE BAG

Foil Tapes, Vacuum Cups and Drills

Lead Foil Tape

Used to Create Leaded Glass Window Designs



This .30mm thick tape is coated with a specially designed, weather resistant self-crosslinking (self-curing) acrylic adhesive. Lead foil tape was designed for use in simulated leaded glass windows and doors to give a Gothic-style look.

STOCK NO.	Width	Length	UNIT PKG.
338-6340	3/8″	36 yards	ONE ROLL
338-6341	1/2″	36 yards	ONE ROLL

Copper Foil Tape



Copper foil tape is .025mm thick and is used in the making of lamp shades, art glass, wall hangings, etc. Foil is adhered to edge of glass and is bent over forming a "U."

STOCK NO.	Width	Length	UNIT PKG.
338-6423	7/32″	36 yards	ONE ROLL
338-6425	1/4″	36 yards	ONE ROLL
338-6440	3/8″	36 yards	ONE ROLL

Tungsten Carbide Tipped Glass Drills



Spear-style glass drills with carbide heads produce clean, accurate holes in all kinds of glass, sheet, plate, mirrors and art. They can also drill holes in bottles, china and ceramics.

STOCK NO.	Hole Size	UNIT PKG.
220-3405	1/8″	ONE DRILL
220-3406	5/32″	ONE DRILL
220-3400	3/16″	ONE DRILL
220-3401	1/4″	ONE DRILL
220-3402	5/16″	ONE DRILL
220-3403	3/8″	ONE DRILL
220-3404	1/2″	ONE DRILL

Wood's 8″ Textured Surface Vacuum Cup



Get a Grip on Patterned Glass!

Wood's Powr-Grip's textured surface cup features a softer vacuum pad that is specially designed for use on irregular surfaces. Made of 35 durometer rubber, the 8″ diameter cup attaches to most textured surfaces. It has a 75 lb. lifting capacity and is available with a metal or polymer handle.

NOTE: Although made specifically for patterned or irregular glass, the cup can not be guaranteed to work on materials having extreme surface variations.

STOCK NO.	Description	Handle	UNIT PKG.
240-3883	8″ dia. Cup	Metal	ONE CUP
240-3893	8″ dia. Cup	ABS	ONE CUP

Finger Lifter Cups

LITTLE GRABBER



No. 240-3824

KNUCKLE SAVER



No. 240-3825

The rubber one finger lifter is ideal for light objects or raising glass corners for a better grip. Cup has specially designed release tabs.

The two finger lifter grip has extra lifting capacity. This extra strength lift makes it ideal for greater loads. Two release tabs.

STOCK NO.	Type	Cup Diameter	UNIT PKG.
240-3824	One Finger Cup	2-1/8″	ONE DOZEN
240-3825	Two Finger Cup	3-1/4″	ONE CUP

Push Button Release Cup

QUICK RELEASE



This rubber vacuum cup has a push button release valve and offers quick handling of smooth surface materials, such as flat glass, metal and plastic. It has a full hand grip for extra strength and stability.

STOCK NO.	Type	Cup Diameter	UNIT PKG.
240-3560	Quick Release Cup	3-1/4″	ONE CUP

Glass Grinding and Smoothing Mills

Grinding Mill Model No. GM-24
Smoothing Mill Model No. SM-24



GM-24 Grinding Mill

The preferred method of performing certain glass grinding operations is a grinding plate used with wet abrasive grain. The GM-24 is furnished with a carefully machined, high grade cast iron grinding plate, which is especially selected for its grain retention property. A 3/4 HP, 1750 RPM, single phase motor, wired to a convenient starting switch powers the 24″ plate through a V-belt drive. The spindle revolves in two heavy duty pillow block units, which assure long life and vibration free performance. Grain flows to the plate from the trough on the top cover, which has a petcock to control water feed. Machine comes furnished with 10 pounds of Somaca 120 grit abrasive grain.

Model	Width	Depth	Height	Shipping Weight
GM-24	30″	30″	36″	525 lbs.

SM-24 Smoothing Mill

Somaca's Glass Smoothing Mill is constructed essentially the same as the grinding mill, but its 3/4 HP motor operates at a slightly lower speed, 1200 RPM, for better smoothing performance. It's ideal for a variety of specialty applications. The smoothing stone does not come furnished with the SM-24 and the customer must supply their own.

Model	Width	Depth	Height	Shipping Weight
SM-24	30″	30″	36″	525 lbs.

Somaca Cast Iron Grinding or Roughing Plates

When it comes time to replace your grinding plate, we recommend our carefully machined and balanced iron plate. It is of uniform density and free of sand holes and other surface imperfections.

STOCK NO.	Diameter	Outside Edge Thickness	Hole Dia.	Recess Dia.	Shipping Weight	UNIT PKG.
260-3424	24″	1-1/8″	1-1/4″	11″	115 lbs.	ONE PLATE



Somaca Silicone Carbide Grain

Silicone carbide's hardness and sharpness make it the ideal abrasive for grinding or drilling. For coarse grinding of glass, use 60, 80, or 100 grit. For fine grinding, use 100 or 120 grit. For general glass hole drilling with metal tubes, use 80 grit. For mirrors, use 120 grit. For sand blasting, use Stock No. 264-3120, aluminum oxide grain, 120 grit.

STOCK NO.	Grit	Contents	UNIT PKG.
264-1060	60	10 lbs.	ONE CAN
264-1080	80	10 lbs.	ONE CAN
264-1100	100	10 lbs.	ONE CAN
264-1120	120	10 lbs.	ONE CAN

Polishers, Wheels and Compounds



No. 37 Glass Polisher
shown with 260-5244 Felt Strip Ring

Glass Polisher and Scratch Remover No. 37

Somaca's Glass Polisher No. 37 is widely used in the glass industry for manual polishing and for the removal of scratches. A polishing compound such as cerium oxide, used on the felt wheel, will also produce a brilliant finish on edges, especially bevels, and will remove hairline scratches while maintaining the surface polish of the glass.
The machine is furnished with a solid quality felt wheel, 24" O.D. x 18" I.D. x 3" wide, mounted on a wooden ring, which is V-belt driven by a 3/4 HP, single phase, 60 cycle, 120 volt motor. A motor starting switch, truing bar and wooden support shelf are also provided.

Model	Width	Depth	Height	Shipping Weight
37	20"	30"	48"	Approx. 425 lbs.

REPLACEMENT FELT RING

STOCK NO.	Diameter	Width	UNIT PKG.
260-5244	24" O.D. x 18" I.D.	3"	ONE RING

REPLACEMENT CORK WHEEL

STOCK NO.	Diameter	Width	UNIT PKG.
261-3628	24"	3"	ONE WHEEL

White Felt Polishing Wheels

Used to Remove Scratches and Polish Hand Bevels and Edges



White mirror grade medium hard wheels. 100% pure wool. Carefully selected to assure uniform density. For portable polishers and engraving lathes.

STOCK NO.	Size	Hole	UNIT PKG.
260-5031	2-7/8" x 1-1/2"	1/2"	ONE WHEEL
260-5306	6" x 1/2"	1/2"	ONE WHEEL
260-5372	7" x 2"	1"	ONE WHEEL
260-5373	7" x 3"	1"	ONE WHEEL

American Ground Pumice

Used to Polish with Cork Wheels and to Remove Hairline Scratches





Somaca Powered Pumice is a high quality, ground volcanic crystal, devoid of impurities. It is used to produce a semi-polish on glass bevels, miters and pencil edges. It's applied in slurry form to glass by means of a cork wheel. The slivers in the pumice powder fracture during grinding, continually exposing new polishing edges. Polish with pumice before high polish stage, when cerium and felt wheel are utilized. Using pumice is an excellent means of removing hairline scratches from glass surfaces.

STOCK NO.	Grade	Contents	UNIT PKG.
263-1629	Extra-Fine	40 lbs.	ONE BOX
263-1630	Fine	40 lbs.	ONE BOX
263-1631	Medium Fine	40 lbs.	ONE BOX

Glass Polishing Compounds

Cerium Oxide Polishing Compound

- Contains No Lead
- No Added Zinc
- Excellent Suspension Characteristics
- Economically Priced
- 2.0 - 2.5 Micron Size



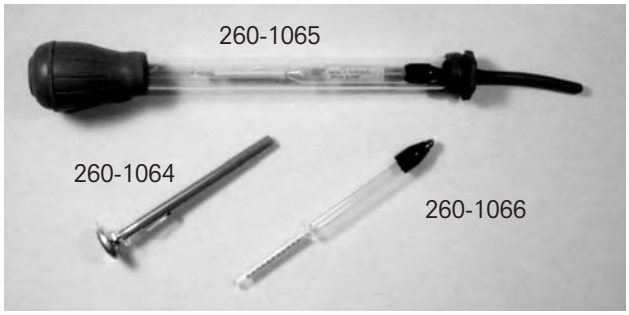
Somaca brand cerium oxide polishing compounds play a critical role in mirror production, bevel and edge polishing, as well as scratch/stain removal.

For bevelling and edging applications where cerium oxide is re-circulated from a holding tank, product mixing and measurement are critical. Cerium solids content should be measured every four hours to achieve optimum performance and control cost. The measuring device is a baume gauge to check the cerium solids content at the bottom of the discharge hose. Care must be exercised when adding cerium oxide to the holding tank. Pre-mix the cerium in warm water because heat chemically activates the cerium.

Never add cerium by attempting to remember the color of the slurry. The cerium slurry can be heated to 85°F. The best working temperature is 95°F to 115°F.

STOCK NO.	Name	Application	Baume Goals	Size	UNIT PKG.
263-1056	Brite	Bevelling	4° - 8°	44 lbs.	ONE PAIL
263-1057	Premier	Bevelling	4° - 8°	44 lbs.	ONE PAIL
263-1055	Lite	Pre-Wash/ Slow & Small Bevels	1° - 2°	30 lbs.	ONE PAIL

Concentration Test Instruments



STOCK NO.	Description	Size	UNIT PKG.
260-1066	Baume Gauge	Tool Box - 8"	ONE TOOL
260-1064	Thermometer	Pocket - 5-1/2"	ONE TOOL
260-1065	Baume Gauge	Shop - 15"	ONE TOOL

Rare Earth Cerium Oxide Glass Polishing Compound

- Contains No Lead
- No Added Zinc
- 3.0 - 3.5 Micron Size



Somaca Rare Earth Polishing Compounds are high quality products for removing scratches or polishing glass surfaces. All products are in a neutral pH range and have passed silver testing for mirrors.

The one pound and eight pound cans are formulated for manual operations with a 3.0 micron size particle.

For automatic bevelling machines, Stock No. 263-1050 contains a 3.5 micron particle size. For best results, slurry temperature should be 95°F to 115°F. Rare Earth is used with felt wheels on automatic glass bevellers, silvering machines and portable scratch polishers.

STOCK NO.	Application	Size	UNIT PKG.
263-1014	Hand Bevel/Scratches	1 lb.	ONE CAN
263-1018	Hand Bevel/Scratches	8 lbs.	ONE CAN
263-1050	Automatic Bevelling	44 lbs.	ONE PAIL

Glass Saw/Lathe and Hand Beveller

The Tri-Star 8" Glass Grinder & 10" Saw

Three Functions in One Tool



8" x 1-1/2" diamond or felt wheels can be mounted.

This versatile tool enables you to do 3 jobs. On the left side you can mount a diamond glass grinding wheel up to 8" in dia. On the right side, you can mount an 8" grinding disc or felt polishing wheel. And for glass cutting, a 10" saw blade can be mounted, along with the table attachment.
The machine is furnished with 4 miter guides. Wheels, discs, blades and saw table must be ordered separately. FOB Los Angeles, CA.

DIMENSIONS: 20" L x 12" D x 10" H

STOCK NO.	Motor	Weight	UNIT PKG.
262-3510	1/2 HP	53 lbs.	ONE

ACCESSORIES

STOCK NO.	Description	UNIT PKG.
262-3511	Table Attachment	ONE
262-3518	10" Saw Blade	ONE
262-3519	8" Grinding Disc	ONE
262-3520	8" Polishing Disc	ONE
262-3521	Coolant Recirculator	ONE

Replacement Wheels for Glass Lathe 21-VS




Model 21-VS

Aloxide smoothing wheels used for a variety of glasswork - smoothing bevels, edges of miters, engraving, designs and monograms.

STOCK NO.	Dia.	Thickness	Hole Size	UNIT PKG.
260-4512	8"	1/2"	1/2"	ONE WHEEL
260-4518	12"	1-1/2"	1-1/4"	ONE WHEEL

Small Shape Glass Beveller Model B8

Operator Switches Back and Forth Between Roughing and Smoothing Heads



Bevels Glass 3/16" to 1"
Bevels Angles 14° to 5°

With Model B8, the operator can switch back and forth between the roughing and smoothing heads. The grinding depths on both heads are set initially and then locked. These heads can be changed in seconds, without adjustment. Two sets of metal bond 1/2" bevelling heads (two 60 mesh and two 600 mesh) are furnished.

The unit has simple controls; one switch controls the motor and pump simultaneously. Motor includes a brake to instantly stop head. The cascade coolant recirculation system is operated by a 1/5 HP Graymills pump, with three 3-5 gallon debris buckets. The smooth, all iron work surface is 5/8" thick (no screw holes). A front drawer is built-in, for tool and bit storage. Additional grinding heads are available in 3/4", 1", 1-1/4" and 1-1/2". FOB Los Angeles, CA.

DIMENSIONS: 30" W x 35" D x 53" H

STOCK NO.	Motor	Weight	UNIT PKG.
262-3553	1-1/2 HP	410 lbs.	ONE

Finger Grip Machine Model FG-14BM

Cuts Smooth Finger Pulls in Minutes



Ruggedly built and designed for bench use, it allows the operator to quickly cut clean, functional finger pulls in glass. You can cut a 2-3/4" long grip, 5/8" wide and 1/8" deep in less than 5 minutes. A 14" dia., 5/8" wide aluminum oxide wheel is included.

Model	Dimensions	Shipping Weight
FG-14BM	15" x 34"	135 lbs.

Aloxide Smoothing Wheel

STOCK NO.	Dia.	Thickness	Hole Size	UNIT PKG.
260-4522	14"	5/8"	1"	ONE WHEEL
260-4521	14"	5/8"	3/4"	ONE WHEEL

DREMEL® High Speed Rotary Drill

- 5 Year Manufacturer's Warranty
- Kit Includes Grout Removal Attachment



Dremel's high speed rotary tool has a universal motor with sealed ball bearings. It keeps dust out of bearings and motor running cool. Compatible with Dremel attachments.

Kit includes: rotary tool, grout removal attachment, accessories and plastic case.

STOCK NO.	Description	UNIT PKG.
211-3089	Rotary Drill Only	ONE TOOL
211-3090	Rotary Drill Kit	ONE KIT

SPIRAL GUIDE ATTACHMENT KITS



Drywall Attachment - Cuts fiberglass, wood and drywall easily. Includes cutting guide, 2 drywall cutting bits and 1 spiral cutting bit.



Ceramic Tile Attachment - Cuts ceramic wall tile to fit any shape. Includes cutting guide and ceramic tile cutting bit.

STOCK NO.	Description	UNIT PKG.
211-3091	Drywall Attachment Kit	ONE KIT
211-3092	Ceramic Tile Attachment Kit	ONE KIT

DREMEL ACCESSORIES



REPLACEMENT BITS AND BURRS

STOCK NO.	Description	UNIT PKG.
211-3093	Drywall Bits (5)	ONE PKG.
211-3094	Spiral Cutting Bits (5)	ONE PKG.
211-3095	Tile Cutting Bit	ONE BIT
211-3096	1/16" Carbide Grout Bit	ONE BIT
211-3097	1/8" Carbide Grout Bit	ONE BIT
122-3358	Diamond Ball Burr	ONE BURR
122-3357	Carbide Drill Burr	ONE BURR
122-3356	Carbide Drill Burrs (6)	ONE PKG.

DREMEL® Rotary Saw

- 2 Year Manufacturer's Warranty



This high speed variable saw works at 10,000-35,000 rpm. 4.5 amps. Saw has an adjustable depth cutting base, cuts material up to 1" thick. Removable handle with in-handle storage holds wrench, bits and collet. Comfort grip on tool and handle.

Kit includes: rotary saw, 2 drywall cutting bits, 1 multi-purpose spiral cutting bit, wrench, 1/8" collet and case.

STOCK NO.	Description	UNIT PKG.
211-3098	Rotary Saw Kit	ONE KIT

Stick Drill Kit

Ideal For Small Hole Drilling and Countersinking in Glass and Ceramics



Stick drills are 1/8" x 1-3/4" with diamond plated tips. Kit includes a variety of sizes and shapes. The spear point shapes are perfect for windshield repair and can be used with Somaca portable glass drill No. 220-1444 or any hand drill including Dremel tools.

Kit includes: 20 assorted stick drills, storage case.

STOCK NO.	Description	UNIT PKG.
211-3101	20 Drill Kit	ONE KIT

Sandblast Cabinets & Air Compressors

The GlassPasser™ SandBlast Cabinet

Accepts Glass as Large as 6′ x 8′

This Revolutionary Cabinet Blasts Everything from Shower Doors to Beer Mugs



The GlassPasser is the first sandblast cabinet designed specifically to meet the needs of the glass etcher. It saves the time and space necessary to construct a full scale blast room, with all the advantages of having a regular blasting cabinet.
The exclusive design of the GlassPasser provides slits in the sides and top of the cabinet, so that pieces much larger than the cabinet can be "passed through." Only the portion of the glass that is within the cabinet at any one time is blasted. It is simple to slide the glass through, stopping to blast a new area as it enters the blasting cabinet.
When the glass is taller than the cabinet and the lower portion has been blasted, turn it over and slide it through again to finish the other half. In this way, a piece of glass up to 6′ x 8′ long can be etched. An optional tripod support stand that allows glass up to 12′ long or more to be blasted can be special ordered. Does not include compressor or sand delivery/recovery system. FOB Los Angeles, CA.

STOCK NO.	Height	Width	Slot Width	Door Size	Shipping Weight	UNIT PKG.
262-6780	67″	80″	2-1/8″	31-1/2″ x 16″	142 lbs.	ONE CABINET

Electric Air Compressor

Direct Drive Units



STOCK NO. 200-1167
DIMENSIONS:
20″ L x 15″ W x 12″ H



STOCK NO. 200-1169
DIMENSIONS:
18″ L x 16″ W x 27″ H

Standard Features:

- Choice of oilless or splash lubricated pump with cast iron cylinder for longer life
- 115 V, AC Motor
- Manual reset overload protection
- 125 PSI operating pressure
- Square D pressure switch with On/Off lever
- Metal intake filter
- Regulator/pressure gauge
- 1/4 inch quick disconnect with plug
- Initial oil fill in crankcase

STOCK NO.	Pump	HP	Weight	UNIT PKG.
200-1167	Oilless	2	53 lbs.	ONE COMPRESSOR
200-1169	Splash Lube	2	54 lbs.	ONE COMPRESSOR

Gas Air Compressor

Direct Drive Unit



Standard Features:

- Splash lubricated pump with cast iron cylinders for longer life
- Ball bearing crankshaft
- Oil level sight gauge
- Oversized flywheel for extra cooling
- Automotive style bearing inserts on connecting rods
- Aftercooler
- Idle down throttle control to reduce fuel consumption when air is not demanded
- Totally enclosed two piece heavy gauge belt guard
- Accessory support clip
- Initial oil fill in crankcase

DIMENSIONS: 22″ L x 17″ W x 17″ H

STOCK NO.	HP	Weight	UNIT PKG.
200-1168	4	69 lbs.	ONE COMPRESSOR

Etch Blaster



Model **SA-26A**
213-5255



Deluxe Model **QS-36**
213-5256

Somaca's Etch Blaster does decorative etchwork without time consuming clean-up of blasting material. Used with pre-cut stencils, the Etch Blaster is ideal for etching glass, mirrors, and even metals. Can also be used at the job site. No skills are needed to etch even the most intricate designs. Tape the stencil on the surface to be blasted, press the trigger, and create beautiful patterns. Always wear safety glasses.

The portable Etch Blaster features a built-in recovery system. Abrasive grain is blasted onto the glass and is immediately vacuumed back into the tank. A heavy duty, two-stage filter assures a clean, dust-free work area.

In the shop, a 5 HP air compressor capable of 120 psi, or 12 CFM is recommended for adequate blasting power. On site, use the largest 110 V compressor possible. Aluminum oxide, 120 grit, is recommended as the blasting agent.

The **SA-26A MODEL** features a water trap/regulator, which keeps the abrasive dry under the most humid conditions. The regulator gives you quick and easy control of the air pressure without having to alter the compressor setting.

Our finest blaster, **MODEL QS-36** is designed for hours of production blasting. Extremely quiet unit, less than 82 decibels, due to a twin muffler system. A combination water/industrial filtration system lets you blast 20 to 40 hours without having to clean the filter. Holds 30 lbs. of abrasive. A double, 2-stage motor arrangement creates tremendous suction, always keeping your work area clean of abrasive materials. For mobility, the entire unit sits on a cart. Built-in regulator.

STOCK NO.	Description	Weight	UNIT PKG.
213-5255	Model SA-26A	45 lbs.	ONE BLASTER
213-5256	Model QS-36	90 lbs.	ONE BLASTER
213-5252	Replacement Nozzle		ONE NOZZLE

Mini-Spot Glass Etcher S-4



A versatile, low cost recycling system. A separate collector air bag keeps the air clean and allows you to switch abrasives for texture and shading changes. You can also switch abrasives for glass to metal etching or rust removal. Two nozzle lengths are included, which enables you to concentrate the spray, or use a wide blast pattern. The ability to change nozzles or abrasives permits you to fine tune the blaster to fit your own needs. For decorative glass, rust removal, metal etching or a combination of all three. Use with 110 V compressor. 40-100 psi is recommended. Must be used on vertical surfaces only.

STOCK NO.	Description	Weight	UNIT PKG.
213-5264	Spot Blaster S-4	4 lbs.	ONE ETCHER

Aluminum Oxide Grain

For Use With the Etch Blaster



STOCK NO.	Grit	Contents	UNIT PKG.
264-3120	120	10 lbs.	ONE CAN
264-3180	180	10 lbs.	ONE CAN

About Somaca Art Glass Stencils

Create beautiful works of art with Somaca stencils. Choose from our most popular selections or contact you nearest warehouse for a complete catalog. Read all of the following information.

The standard stencil consists of 3 parts: a clear plastic cover (pre-mask) over a 4ml vinyl resist and a white release paper. All stencils are computer generated.
The pre-mask serves to hold the stencil together when the release paper is removed.
The release paper protects the pressure sensitive cement on the back of the vinyl stencil.
Removing those parts of the stencil where the glass is to be etched is called "weeding" or "picking." Somaca stencils are not weeded for reasons explained below.

USING THE STENCIL:

Normally, stencils can be placed on glass merely by stripping off the release paper and eyeballing the stencil into position. (Always remove the release paper slowly and carefully peeling it back, not up, so that fine parts of the stencil are not accidentally ripped away.) It is best to place the stencil face down and peel the release paper back, keeping it as flat as possible. When placement of the stencil is critical, spray a light coating of water on the glass. This will permit you to move the stencil on the glass. Otherwise, the moment the stencil cement touches the dry glass it is virtually impossible to move or remove. You must wait until the glass is dry before blasting, but do not leave it more than 3 or 4 hours before weeding. The longer you leave it, the more the cement cures.

WEEDING THE STENCIL:

Weeding the stencil is best done after it is on the glass. If you are going to frost the entire design - or deep etch the entire design, weed all of the parts. Bubbles in the stencil do not matter as long as they are not near a cut edge, but it is wise to use a plastic squeegee or rubber roller to burnish the stencil down. Mask the 4 sides of the stencil with 2" masking tape to protect the glass against overspraying the stencil and damaging the unetched glass. (We recommend you use 3M masking tape.)
If you plan to "stage" the stencil (etch different parts of the stencil to different depths), first weed the parts you want to etch the deepest. When you have the depth you want (your index finger makes a good depth gauge) weed the next stage. This may be continued for as many stages as you desire.
A simple way to achieve a two-stage effect is to first do a moderately deep etch on the entire stencil (a sixteenth of an inch is sufficient). Now, using a sharp blade such as an X-acto knife, carefully cut around the outside perimeter of the actual design and remove all of the stencil within. Now frost over the entire design. The deeper etch will stand out against the frosting and tie the entire design together.

WEEDING, CONTINUED:

Staging and deep etching are best viewed from the "back" of the glass - the unetched side, so plan ahead by ordering the stencil for a "mirror" image. The same applies, incidentally, to actual mirrors.
When etching the back of a mirror, you can merely blast away the silvering; or, if the mirror is thick enough, you can deep etch it. The deep etching will make a difference. You can also stage the mirror as described above. It is usually unnecessary to remove the used stencil. If you do remove it, take care not to scratch the silver. A spray of mirror sealant (Stock No. 336-7400) is recommended for the finished job to prevent etched edges from discoloring. The sealant will alter the appearance of the etching, so try it first on a piece of scrap mirror to be sure you find it acceptable. If you choose to etch the front of the mirror, it will show a double image when viewed from any angle except head-on. This is sometimes satisfactory - sometimes not.

CONCERNING TEMPERED AND SAFETY GLASS:

There is no danger in frosting tempered glass, but that is all you can safely do. **Do not try to deep etch tempered glass.** If you're not sure about the glass, assume it is tempered and just frost it. Safety glass may be cut deeper than tempered glass but not much. You don't want to blast into the plastic which is sandwiched between the two pieces of glass.

CUSTOM SIZE STOCK NO:

318-9100	**10 - 26 sq. inches**
318-9101	**27 - 38 sq. inches**
318-9102	**39 - 99 sq. inches**
318-9103	**100 - 199 sq. inches**
318-9104	**200 - 299 sq. inches**
318-9105	**300 - 399 sq. inches**
318-9106	**400 - 499 sq. inches**
318-9107	**500 - 699 sq. inches**
318-9108	**700 plus sq. inches**

STENCIL SIZES:

Stock stencil sizes are given with width x height. Regardless of how you plan to use the stencil, the dimensions are based on the position of the stencil as it is shown in the catalog. A minimum size is given for each stencil because there is a limit to how small computer generated stencils can be cut. The maximum size is 70" by the length of the roll (25 to 50 yards).
Stock stencils can also be ordered to custom sizes. There is no surcharge for this service, but smaller sized stencils cannot be priced lower than the published stock price.

Sandblast Tape and Craftsman Knives

Sandblast Resist Tape

A Heavy Duty Protective Tape



This tape is specifically designed for use in the sandblasting of glass and marble. It has a heavy duty paper texture that protects surfaces during blasting at a depth up to 1/8". It can be easily cut and positioned. The strong adhesive backing leaves no residue after removal.

Other sizes available on special order.

STOCK NO.	Width	Length	Thickness	UNIT PKG.
349-1806	6"	20 yards	4 ml	ONE ROLL
349-1807	6"	20 yards	8 ml	ONE ROLL
349-1812	12"	20 yards	4 ml	ONE ROLL
349-1813	12"	20 yards	8 ml	ONE ROLL
349-1818	18"	20 yards	4 ml	ONE ROLL
349-1819	18"	20 yards	8 ml	ONE ROLL
349-1825	24"	20 yards	8 ml	ONE ROLL
349-1860	60"	20 yards	4 ml	ONE ROLL
349-3020	30"	20 yards	8 ml	ONE ROLL
349-3036	36"	20 yards	8 ml	ONE ROLL

Etching Frost



Etching frost is a thick, creamy paste, which imparts a frosted finish when applied to glass. It is excellent for use with stencil masks.

STOCK NO.	Description	Size	UNIT PKG.
341-5035	Etch-Frost	3 oz.	ONE BOTTLE

Craftsman Knives

Aluminum Handle



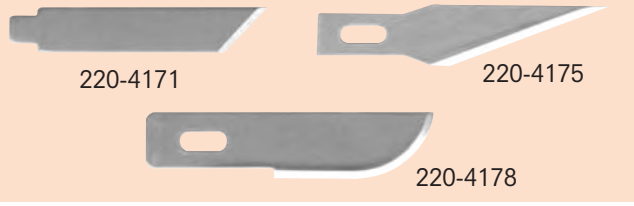
The Grifhold #7 knife is for all craftsmen, technicians and hobbyists. Sturdy all-aluminum handle with a choice of several style replacement blades. Excellent for etching, scribing, retouching, stencils, ink erasures, corrections, layouts, paste-ups - a thousand and one uses.

STOCK NO.	Description	UNIT PKG.
220-4170	Knife w/Blade	ONE KNIFE



This handle features the same rugged materials and precision machining as the #7 knife. It has a fatigue reducing non-slip vinyl grip.

STOCK NO.	Description	UNIT PKG.
220-4169	Knife w/Blade	ONE KNIFE



Blades are interchangeable to fit other knives.

STOCK NO.	Contents	UNIT PKG.
220-4171	5 Blades	ONE BOX
220-4175	5 Blades	ONE BOX
220-4176	100 Blades (220-4175)	ONE BOX
220-4178	5 Blades	ONE BOX

Deluxe Knife Set



This professional knife set is ideal for cutting, scratching, etching, scraping, ceramics, layout work, model making, etc. The knife set contains 8 knives with blades, 43 assorted blades, 8 scribe points, honing stone and plastic case.

STOCK NO.	Description	Mfg. No.	UNIT PKG.
220-4166	Knife Set	268	ONE SET

Art Glass Stencils

Stencils are sold each. Custom stencils and custom sizes are available to suit most requirements. See ordering guide on previous page. ("AR"means Aspect Ratio.)



Border No. 408
AR - 1:1
Min. Size 6" W x 6" H

STOCK NO. 318-9408



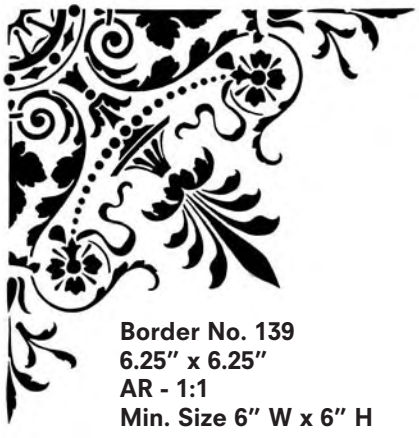
Border No. 213
AR - 1:1
Min. Size 8" W x 8" H

STOCK NO. 318-9213



No. 140
2.75" x 3" Each
AR - 1:1.1
Min. Size 2.75" W x 3" H

STOCK NO. 318-9030



Border No. 139
6.25" x 6.25"
AR - 1:1
Min. Size 6" W x 6" H

STOCK NO. 318-9029

No. 137
5.75" x 5.75"
AR - 1:1
Min. Size 5.5" W x 5.5" H



STOCK NO. 318-9027



Border No. 404
AR - 1:1
Min. Size 6" W x 6" H

STOCK NO. 318-9404



No. 116
AR - 1.5:1
Min. Size 5.5" W x 3.75" H

STOCK NO. 318-9053



No. 141 Left
No. 142 Right
4.25" x 7"
AR - 1:1.6
Min. Size 4.25" W x 4.25" H

STOCK NO. 318-9015 - Left
STOCK NO. 318-9142 - Right

No. 177 Left
No. 178 Right
7" x 7"
AR - 1:1
Min. Size 7" W x 7" H



STOCK NO. 318-9065 - Left
STOCK NO. 318-9064 - Right

Art Glass Stencils

Somaca stencils are sold each. ("AR" means Aspect Ratio.)

Ship No. 346
AR - 1:1.3
Min. Size -
7.75" W x 10" H



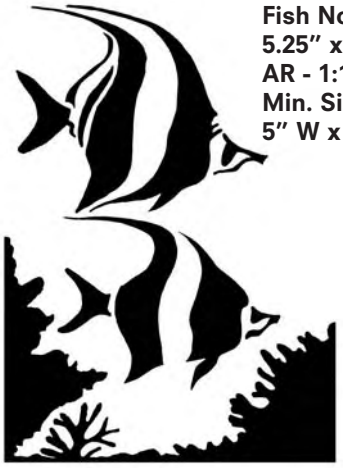
STOCK NO. 318-9346

Dolphin No. 159 Left
No. 160 Right
AR - 1.5:1
Min. Size 10.5" W x 7" H



STOCK NO. 318-9074 - Left
STOCK NO. 318-9160 - Right

Fish No. 112
5.25" x 7.25"
AR - 1:1.4
Min. Size -
5" W x 7" H



STOCK NO. 318-9012



Parrot No. 121
AR - 1:1
Min. Size -
7" W x 7" H

STOCK NO. 318-9048



Duck No. 184
7" x 7.5"
AR - 1:1.07
Min. Size 7" W x 7.5" H

STOCK NO. 318-9083 - Left
STOCK NO. 318-9082 - Right

Crane No. 468
AR - 1:1.4
Min. Size 4.25" W x 7" H



STOCK NO. 318-9468



Eagle No. 113
10.25" x 3.5"
AR - 3:1
Min. Size 10.25" W x 3/5" H

STOCK NO. 318-9013



Butterfly No. 102
6.25" x 4.25"
AR - 1.5:1
Min. Size 6.25" W x 4.25" H

STOCK NO. 318-9002



Horse No. 458
AR - 1:1.4
Min. Size -
5.75" W x 8" H

STOCK NO. 318-9458

Bohle Glass-to-Glass UV Adhesive
Ideal for Glass Furniture







Bohle Technology for Glass Bonding

The glass-to-glass UV adhesive, Stock No. 210-9300, is crystal clear and has a low viscosity. Good capillary properties allow it to be applied from the outside of the glass assembly. It will penetrate into the gap by itself in pre-assembled lites. The cured adhesive is very hard and not elastic.

For laminated glass applications or when bonding colored glass with little light-permeable properties, Bohle #B-678-0 must be special ordered.

Although the bottle is furnished with a nozzle that can be cut to size, the set of needles with nozzle adapter is recommended. The needles will control the precise dispensing of adhesive. These needles will lower adhesive cost when a large number of pieces must be produced. Needles attached to the bottle are pictured above.

Shelf life is 6 months after shipment from Sommer & Maca. Do not use this product in wet environments. Read the instructions carefully on pages 329-331 before starting a glass bonding project. Store adhesive away from sunlight.



Blue Bottle



Set of Needles & Adapter

STOCK NO.	Description	Bottle Contents	Estimated Ounces	UNIT PKG.
210-9300	Glass-to-Glass Adhesive	100 grams	3-1/2	ONE
210-9319	Set of 5 Needles with Bottle Adapter			ONE SET

Glass Bonding

Bohle Glass-to-Metal UV Adhesive



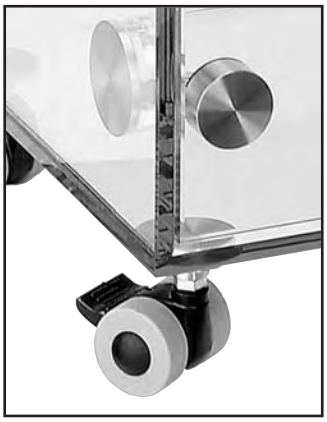
Gray Bottle

The glass-to-metal UV adhesive, Stock No. 210-9302, is transparent but not completely clear. This medium viscosity adhesive must be applied before assembling the parts. Bonding metal hinges to glass doors is an ideal application for this adhesive because strength is required.

This adhesive is suitable to bond stone, wood, and a variety of thermoplastics to glass. Test trials with thermoplastics are recommended.

Shelf life is 6 months after shipment from Sommer & Maca. Adhesive instructions begin on catalog page 329. Read them before starting a glass bonding project. Do not bond any coated parts (powder coated or galvanized) using this adhesive. Store adhesive away from sunlight.

For bonding large surfaces or bonds demanding high elasticity, Bohle #B-690-0 must be special ordered. This adhesive is not suitable for aquariums.



Although the bottle is furnished with a nozzle that can be cut to size, the set of needles with nozzle adapter is recommended. The needles will control the precise dispensing of adhesive. These nozzles will lower adhesive cost when a larger number of pieces must be produced.



Set of Needles & Adapter

STOCK NO.	Description	Bottle Contents	Estimated Ounces	UNIT PKG.
210-9302	Glass-to-Metal Adhesive	100 grams	3-1/2	ONE
210-9319	Set of 5 Needles with Bottle Adapter			ONE SET

Bohle UVA Curing Light - Jumbo Size



Conventional UV lights will not work for glass bonding applications like show cases, glass furniture, etc. Bohle's 29" long fixture has 21" of usable curing length which means it does not have to be worked back and forth across the bonding work area - creating a tension-free bond.

The fixture is lightweight, easy to handle, and has a 110 volt plug. The fluorescent tube is protected by a heavy duty acrylic tube and has a light shield around the back side. Three inch diameter rubber caps on both ends hold the light off the working surface. Comes with a 13-1/2' cord. There is also a hanging hook on one end and another hanging hook on the ballast. A separate transformer makes the light weigh less and easy to position for curing the adhesive.

STOCK NO.	Description	UNIT PKG.
210-9475	UV Curing Light	ONE

Instructions For Glass Bonding with UV-curing Adhesives

1. Material Selection (check suitability for adhesive):

Depending on the chosen material and the corresponding adhesive (see section 3), different bonds will have different final strengths:

Maximum Strength	Medium Strength	Low Strength
glass/glass glass/metal (stainless steel) glass/stone (granite) glass/wood (hard wood)	glass/plastic tempered glass laminated glass colored glass ornamental glass sand-blasted glass satinized glass	all porous or open-pore materials and heavily structured (>0.5 mm) materials as well as lacquered and coated materials

The columns above refer to transparent, UVA light permeable float glass. Clear float glass, mirror (on front) and tempered glass can be bonded without problems. Special glasses may lead to lower strength values or cannot be bonded at all. Problematic glass includes all structural glasses, like ornamental glass, wired glass, sand-blasted glass or satinized glass. The UVA light permeability depends on the glass thickness and how intensely colored the glass is.
Caution: Glasses with high UV absorption like laminated glass, intensely colored glass (e.g., green/blue/bronze) **cannot** be bonded with common UV adhesives. For these applications, only the highly sensitive "Lamifix" is suitable and must be special ordered.

Remember:
The smoother the bonding surfaces and the **thinner** the adhesive layer, the stronger and more load resistant the bond.
When bonding glass to metal, the metal parts should be free of separating agents (e.g. grease, polishing agents, silicones, oils, etc.), and they should not be coated in any way (chrome, nickel, lacquer, etc.). Stainless steel is the most suitable material.

2. Preparing the Bonding Surfaces

Bonding surfaces must be absolutely clean, free of grease and totally dry. Use appropriate cleaners when UV bonding (without tensides and separating agents). Common household cleaners are not suitable in most cases. Somaca recommends Liquid Hi-Sheen (#337-1086) or alternatively IP cleaner in combination with steel wool. After the glass is cleaned, wait a few minutes before proceeding. In order to obtain a durably stable bond, remove any visible moisture on the bonding surfaces using a consumer-grade hair dryer. Set the hair dryer at the lowest temperature. Warm the bonding surfaces of both the glass and the metal parts. Parts, glass and adhesive should be be room temperature prior to assembly.
Disregarding any of these recommendations may lead to considerable, in some cases not immediately, noticeable loss of strength finally resulting in a break of the bond.

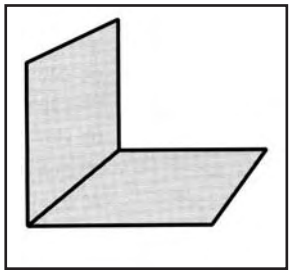
3. Choosing the Right Adhesive

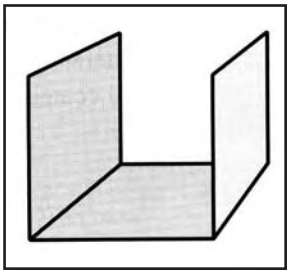
Depending on the requirement of the bonding materials, applicable loads, and the purpose of the finished object, different Bohle UV-curing adhesives are recommended.

Glass Bonding

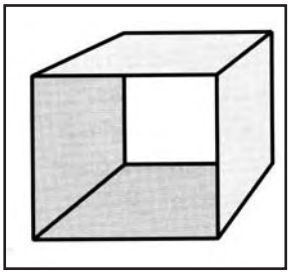
Remember:

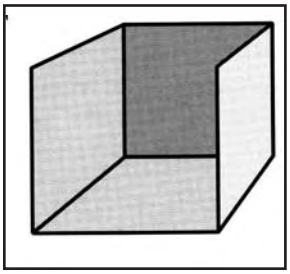
Glass/metal bonds: To obtain an optimum result, **only** Bohle UV adhesive 210-9302 should be used.
Glass/glass bonds: When planning an all-glass construction, a "closed" (i.e. self-stabilizing) construction should always be strived for in order to obtain the highest possible stability (see illustrations). Special order elastic adhesives, with medium viscosity, such as **B-678-0** and **B-690-0** are **exclusively suitable** for "closed" constructions. Use **210-9300** or **210-9302** for "open construction" where it is not possible to use medium viscosity product due to a design problem.





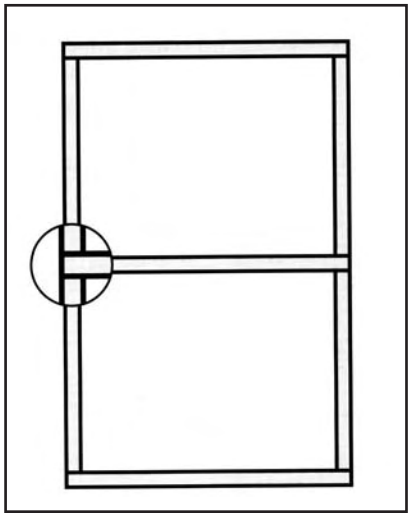
Open Construction



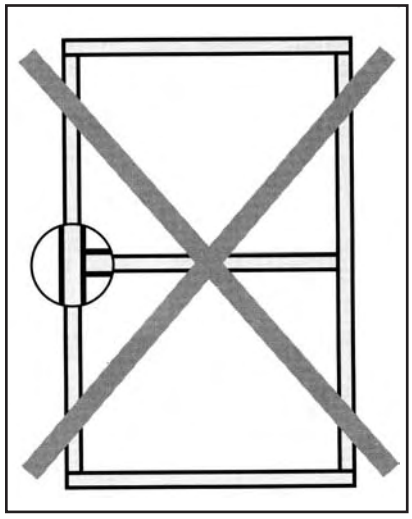


Closed Construction

Constructions:
Whenever possible, the glass construction should be "self-stabilizing" (see illustration): High bending tensions within the glass and the bond are avoided, and the construction is more stable and can durably bear higher loads.



Self-stabilizing Construction



Non Self-stabilizing Construction

4. Positioning Devices

For optimum curing of the UV adhesive, you must prevent bonding parts from sliding out of place. We recommend VERIFIX positioning devices, such as Stock No. 210-6389.

5. Application of Adhesive

- Before applying the adhesive, it is recommended to check if bonding parts fit in their intended position. This is best done by building the complete construction without bonding with the help of positioning devices.
- The adhesive should be applied within 5 minutes after having heated the parts. Should a longer period have passed, the parts should be heated again.
- Bonding should preferably be done in horizontal position, vertical application of the adhesive may lead to problems.
- Too much adhesive reduces the strength of the bond and increases the workload for removing excess adhesive.
- Dispensing needles (#210-9319) allow a precise and economic application of the adhesive.

5.1 Adhesive Application BEFORE Joining the Parts

Medium viscosity adhesive 210-9302 is always applied in the form of a caterpillar before joining the parts.
When bonding surfaces, the adhesive is always applied before joining the parts.

- When bonding horizontally, the bonding parts should be evenly and carefully lowered to avoid trapping any air bubbles.
- The weight of the bonding parts is sufficient to evenly spread the adhesive over the complete bonding area.

5.2 Adhesive Application AFTER Joining the Parts

Low viscosity adhesives (210-9300, B-678-0 and B-690-0) possess a capillary action creeping into the bonding gap by itself. Therefore the bonding parts can be joined before applying the adhesive.

- Do not work on all parts at the same time but build the object step by step.
- Should the adhesive not have spread over the whole bonding surface, the parts should be slightly lifted and lowered again (enlarging and decreasing the bonding gap) before curing.

6. Curing (Exposure to UV Light)

Curing the bonding connection is done in two steps:
1. By **pre-curing** a working strength (approx. 70% of the final strength) is achieved. At this stage, excess adhesive outside the bonding surface can easily be removed.
2. After the **final curing**, the bond is fully functional and can be put under load.

- Use suitable UV lamp: The lamp should not be shorter/smaller than the bonding edge/surface to avoid build-up of tensions due to uneven curing.
- For optimum final strength, use only white light. Black light does not have the required intensity and therefore does not achieve maximum strength.
- Position lamp as close as possible to the bonding surface.
- Never move parts during the curing process and do not permit any vibrations.
- **Pre-curing** takes from **10 seconds to approximately 2 minutes**, depending on the type and efficiency of the lamp.
- Exposing the bond longer than necessary to UV light does not have any negative effect but does not improve the bond either.
- After pre-curing, remove any positioning devices and clean object from possible adhesive residues. (Bohle special cleaner, glass scraper, steel wool)
- End-curing the bond: expose for between 60 seconds to approx. 5 minutes depending on the type of lamp.

All Bohle UV lamps are equipped with UV filters to avoid any damage to eyes and skin. For your own safety, you should additionally use appropriate protection, for example, **protective glasses with UV filter** and **nitrile disposable gloves** (#240-4124/26).

7. Test Bonding

If you are uncertain of ideal bonding conditions, always make trial bonds:

- Bond parts following above instructions.
- Test strength of the bond by subjecting to stresses in excess of those to which it would normally suffer, e.g., impacts, tilting or sudden movements. If necessary use tools like pliers etc.
- Put under load until parts disconnect or break to determine the load limit.

Warranty: Bohle guarantees the satisfactory quality of the products and the materials supplied by them. However, the quality of the bond depends on parameters which are outside our control. We therefore have to reject any liability which exceeds the replacement of faulty material. This refers especially to any indirect or consequential loss, damages or expenses.

Bohle Vacuum Cups for Glass Bonding



Vacuum Cup Holder for 90° Glass Assembly



- Use with Med. Vis #210-9302 (Gray)
- Ideal for Aquarium Construction

Glass bonding requires two lites of glass be held steady while the UV adhesive is applied. The entire fixture and cups are made in Germany. Two adjusting screws allow for 1/2" range of adjustment in the fixed position as pictured.
Bohle medium viscosity UV adhesive, Stock No. 210-9302, requires that the glass pieces be positioned allowing a gap between them. After the application of the adhesive, the second sheet is lowered by deactivating the valves and secured again by activating valves. Appropriate silicone adhesives are applied in a predefined gap. The holders must be left in place during the cure. Frequently check and re-pump the holders.

STOCK NO.	Description	UNIT PKG.
210-6302	Glass Assembly Device	ONE

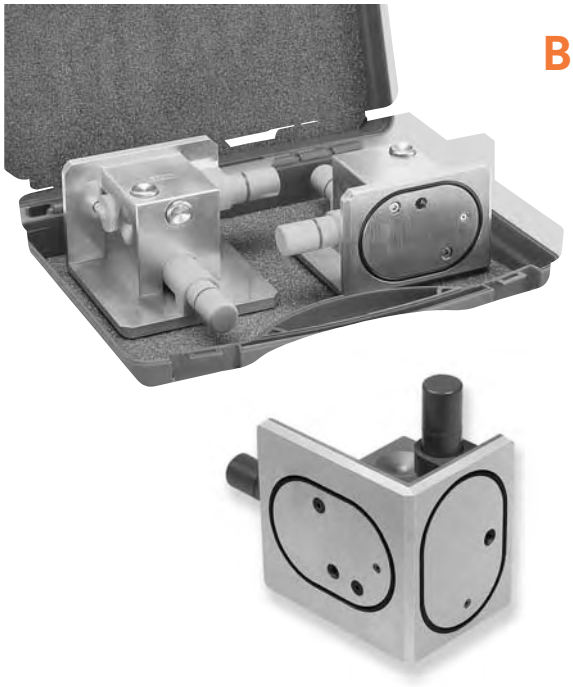
Bohle Eccentric Vacuum Stop Device



The device is used to position shelves or partitions for glass bonding in glass cabinets.
The vacuum device is a flat plastic disc 2-3/4" in diameter, 3/4" high, and has a 2" diameter vacuum pad. The stop can be adjusted up to almost 1/4".



STOCK NO.	Description	UNIT PKG.
210-6371	Eccentric Vacuum Stop	ONE



Bohle Angle Vacuum Holder Set

- Use with Bohle Low Vis #210 9300 (Blue)

How about this idea? Each holder has two vacuum surfaces! Parts can be bonded with silicones or UV adhesives. Angular dimensions are 2.9" x 3.9"+ 2.9" x 3.9".
After only 3 to 5 pump strokes, sufficient vacuum is created.
When using Bohle low viscosity UV adhesive, Stock No. 210-9300, glass pieces can be secured in their final position, and the adhesives penetrates in the gap by capillary action.
Bohle medium viscosity UV adhesive, Stock No. 210-9302, requires that the glass pieces be positioned allowing a gap between them. After the application of the adhesive, the second sheet is lowered by deactivating the valves and secured again by activating valves. Appropriate silicone adhesives are applied in a predefined gap. The holders must be left in place during the cure. Frequently check and re-pump the holders.

STOCK NO.	Description	UNIT PKG.
210-6389	Angle Vacuum Holder Set (2) and Case	ONE SET

Bohle Glass Bonding Hardware

Hinges, Locks, Knobs, Shelf Supports, Castors, and Table Legs



90° Glass Door Hinge

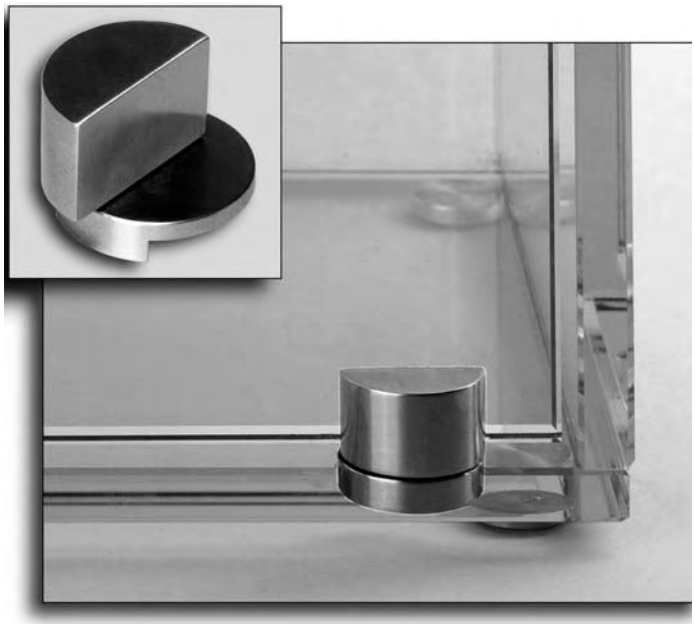
The world's first glass bonding hinge for flush mounted doors. It can be adjusted in height, depth, and sideways. The bonding surface is 1.2" (31mm) for this stainless steel hinge. Hinge can be used for flush mounted doors from 1/4" or 5/16" (6 or 8mm) thick glass. Maximum door weight is approximately 17.6 lbs. (8kgs) for two hinges. Detailed instructions included. Use glass-to-metal adhesive. Try not to bond hinges in a vertical position during assembly.

STOCK NO.	Description	UNIT PKG.
340-1859	Glass Door Hinge - 90°	ONE

No Hole Drilling Required



When producing shelves for the cabinets, please consider that the doors mounted by either or both hinges swivel to the inside. Details are given in the instruction manual. 135° hinges are shown and available upon special order.



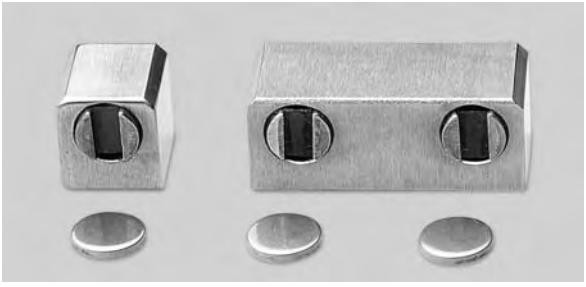
Swing Glass Door Hinge Two Sizes

Fashion designed hinge made of high quality stainless steel. The door can still be removed after bonding. Detailed instructions are included. Ideal for flush mounted doors up to 7/16" thick. The maximum door weight is 22 lbs. (10kg) for two hinges.
The small hinge diameter and height is .79" (20mm).
The large hinge diameter is 1.17" (30mm), and the height is .936" (24mm).

STOCK NO.	Description	UNIT PKG.
340-1860	Small Swing Hinge	ONE PAIR
340-1861	Large Swing Hinge	ONE PAIR

Bohle Glass Bonding Hardware

Hinges, Locks, Knobs, Shelf Supports, Castors, and Table Legs



Magnet Holders - Two Sizes

Made of stainless steel. Diameter of magnet plate is .32" (8mm).
The locking load is 4.4 lbs. (2 kgs).
The one-wing door holder is .43 x .47 x .47" (11 x 12 x 12mm).
Two-wing holder is 1.17 x .47 x .47" (30 x 12 x 12mm).

STOCK NO.	Description	Door Type	UNIT PKG.
340-1862	Magnet Holder	One-Wing	ONE
340-1863	Magnet Holder	Two-Wing	ONE

Door Knobs

Stainless steel knobs have a diameter of .63" (16mm) and are .787" (20mm) long.

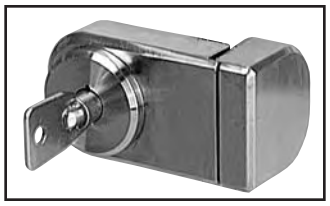
STOCK NO.	Description	UNIT PKG.
340-1864	Door Knob	ONE PAIR



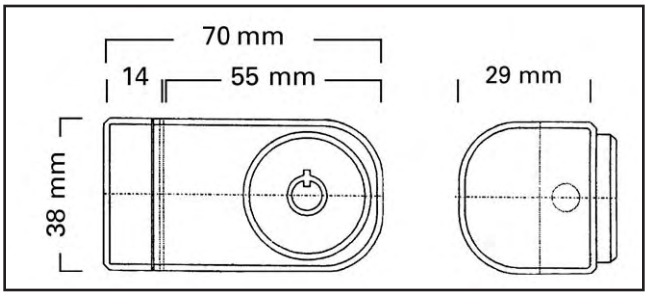
Locks for Show Cases

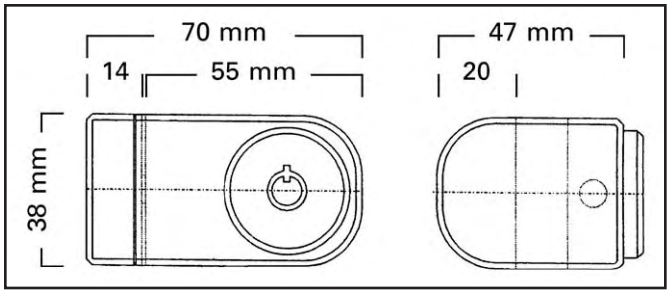
• UV Bonded • Surface or Flush Mounted

One Wing Door Lock
Flush Mount
Stock No. 340-1865

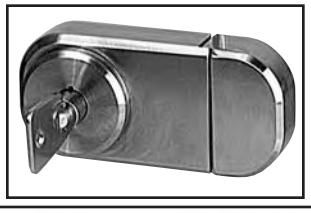


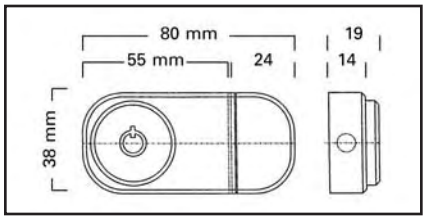
One Wing Door Lock
Surface Mount
Stock No. 340-1866





Stock No.
340-1867





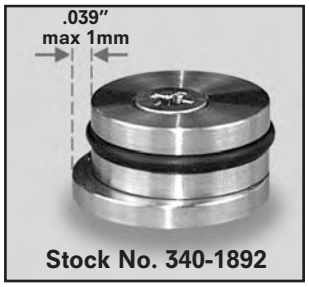
Sophisticated design locks can be installed to the left or right. Glass thickness range is 1/4" to 7/16" (6-12mm). Universal key included with stainless steel locks. Magnet holders are recommended.

STOCK NO.	Description	Mounting	UNIT PKG.
340-1865	One-Wing Door Lock	Flush	ONE
340-1866	One-Wing Door Lock	Surface	ONE
340-1867	Two-Wing Door Lock	NA	ONE
340-1862	Magnet Holder	One-Wing	ONE
340-1863	Magnet Holder	Two-Wing	ONE

Bohle Glass Bonding Hardware

Stainless Hardware for UV Bonding Creations


Stock No. 340-1869



Stock No. 340-1892



Stock No. 340-1893



Stock No. 340-1894



Furniture knob **Stock No. 340-1869** has a bonding surface .8" (20mm) dia. Grip .42" (10mm). Height approximately 1-1/8" (28mm) with rubber rings.
There are three different shelf supports:
Stock No. 340-1892 has a diameter of .8" (20mm) with rubber ring approximately .39" (10mm) thick. Load weight about 44 lbs. (20kgs) each. Minor adjustment.
Stock No. 340-1893 is .8" (20mm) in diameter. Approximately .39" (10mm) thick. Load approximately 22 lbs. (10kgs) each. Minor adjustment.
Stock No. 340-1894 is the small size and has a rubber ring. The diameter is .39" (10mm). Approximate height is 5/16" (8mm). Load approximately 22 lbs. (10kgs) each. Minor adjustment.

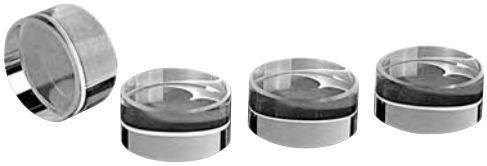
STOCK NO.	Description	UNIT PKG.
340-1869	Furniture Knob	SET (4)
340-1892	Shelf Support	SET (4)
340-1893	Shelf Support	SET (4)
340-1894	Shelf Support	SET (4)

Bolt Locking Mechanism



Secure the two-wing doors with this stainless steel device which measures 2.6" (67mm) long, including .08" (2mm) air gap, and is .8" (20mm) in diameter.

STOCK NO.	Description	UNIT PKG.
340-1868	Bolt Locking Mechanism	ONE



Glass Discs

Used for shelf supports, furniture feet, etc. Diameter is .8" (20mm) and about .39" (10mm) thick.

UNIT PKG: ONE BOX of 20

STOCK NO.	Description	UNIT PKG.
340-1895	Glass Discs	ONE BOX



Glass Shelf Support

Comes with a non-adjustable rubber ring. Diameter is .8" (20mm) and approximately .28" (7mm) thick. Load approximately 44 lbs. (20 kgs).

STOCK NO.	Description	UNIT PKG.
340-1896	Glass Disc	SET (4)



Castor Rollers

Diameter is 1.37" (35mm) for the stainless steel bonding area. Roller diameter is the same as the bonding area. Load up to 66 lbs. (30 kgs) each.

STOCK NO.	Description	UNIT PKG.
340-1897	Roller with Lock	ONE
340-1898	Roller without Lock	ONE

Glass Art Engravables and Gifts

Enhance your showroom, office or home with these exquisite glass art accessories. Choose from engravable trophy blanks, picture frames, desk top items and crystal gift pieces shown on the following pages. These beautiful glass selections are made by the finest glass crafters in the industry and are a terrific addition for resale to your customers.



Trophy Blanks and Bases

UV adhesive is needed to adhere trophy blank to base.
See page 327 for products and instructions.



FROSTED CHIP EDGE - 6" W x 8" H
STOCK NO. 344-7639, Trophy, 1/2" Clear Glass
STOCK NO. 344-7640, Base, 3-1/4" x 7",
1/2" Clear Glass



FLAME - 5-1/2" W x 8-1/2" H
STOCK NO. 344-7643, Trophy, 1/2" Clear Glass
STOCK NO. 344-7644, Oval Base, 5" dia.,
1/2" Clear Glass



FACETED CLASS ACT - 6" W x 8" H
STOCK NO. 344-7641, Trophy, 1/2" Clear Glass
STOCK NO. 344-7642, Base, 3" x 9",
1/2" Clear Glass



ARCH BEVELLED - 7-1/2" W x 5" H
STOCK NO. 344-7645, Trophy, 1/2" Clear Glass
STOCK NO. 344-7646, Base, 3" x 6-1/4"
1/2" Clear Glass

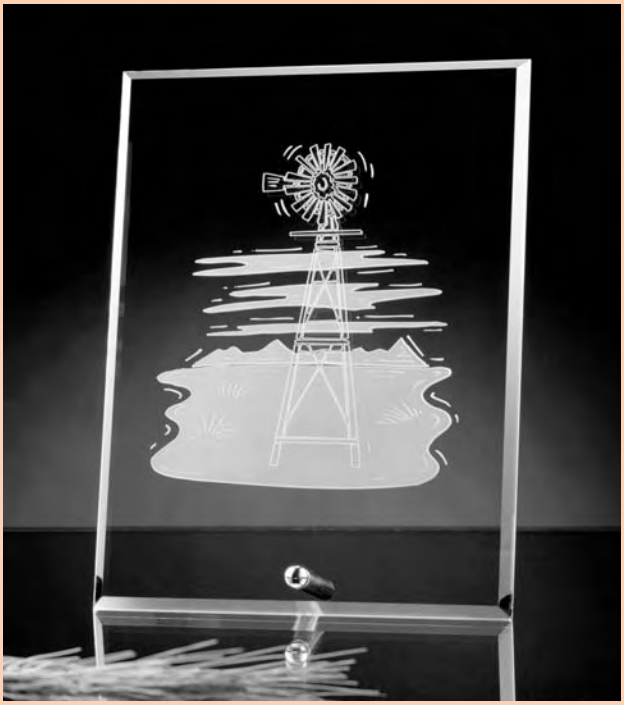
Trophy Blanks with Pin Supports



CANTEBURY CLIPPED RECTANGLE
w/PIN - 5" W x 7" H
STOCK NO. 344-7653, Trophy, 3/8" Black Glass



CANTEBURY CLIPPED RECTANGLE
w/PIN - 5" W x 7" H
STOCK NO. 344-7668, Trophy, 3/8" Blue Glass



CANTEBURY RECTANGLE w/PIN - 5" W x 7" H
STOCK NO. 344-7616, Trophy, 1/4" Clear Glass



CANTEBURY DIAMOND w/PIN - 5-1/2" W x 6" H
STOCK NO. 344-7617 Trophy, 1/4" Clear Glass

Trophy Blanks with Bases



FACETED PEAK - 6" W x 8" H
STOCK NO. 344-7654, Trophy w/Wood Base, 1/2" Clear Glass, Dark Walnut Wood Base, 4" W x 9" L



MARQUIS DIAMOND - 6-1/2" W x 8" H
STOCK NO. 344-7655, Trophy w/Wood Base, 3/4" Clear Glass, Dark Walnut Base, 4" W x 9" L



MAYFAIR DIAMOND - 7" W x 12" H
STOCK NO. 344-7656, Trophy w/Granite Base, 3/8" Black Glass, Black Stone Granite Base w/Support Posts, 4" W x 9" L



MAJESTIC PEAK - 10" W x 10" H
STOCK NO. 344-7657, Trophy w/Granite Base, 1/2" Clear Glass, Greystone Granite Base w/Pewter Support Posts, 10" W x 12" L

CURVED BEVELLED PICTURE FRAMES - 3/16" CLEAR GLASS









FRAME DIMENSIONS -
STOCK NO. 344-7632, 18" W x 10-1/2" H for 10" x 8" Photo
STOCK NO. 344-7610, 13-1/2" W x 7-1/2" H for 7" x 5" Photo
STOCK NO. 344-7633, 12-3/4" W x 6-1/2" H for 6" x 4" Photo
STOCK NO. 344-7634, 12" W x 5-1/2" H for 5" x 3-1/2" Photo

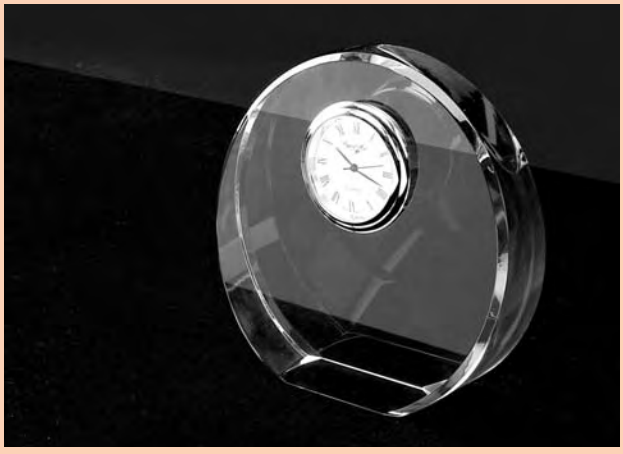
Desk Accessories



SLOTTED BUSINESS CARD HOLDER -
2-3/8" W x 4" L
STOCK NO. 344-7636, Card Holder, 3/4" Clear Glass



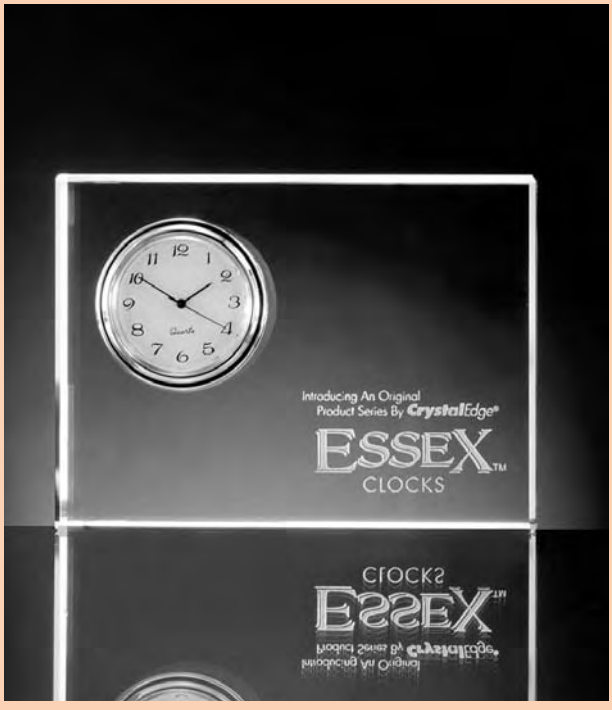
LETTER HOLDER - 8" L x 4" H
STOCK NO. 344-7650, Letter Holder, 3/8" Clear Glass



GLORY CLOCK - 4" W x 1-1/4" D
STOCK NO. 344-7635, Clock, Glass



GRANDFATHER DESKTOP CLOCK -
4" W x 8" H x 2-1/2" D
STOCK NO. 344-7652, Grandfather Clock,
24% Lead Crystal

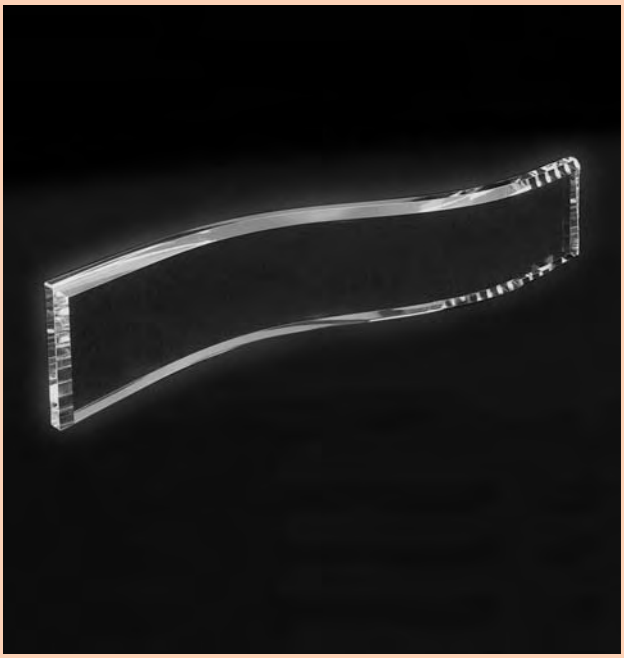


CRYSTAL CLOCK - 4" W x 3" H
STOCK NO. 344-7627, Glass Desk Accessory w/Clock

Desk Accessories



CANTEBURY NAMEPLATE -
STOCK NO. 344-7651, 1/4" Clear Glass w/Brass Pin
10" W x 2" H
STOCK NO. 344-7618, 1/4" Clear Glass w/Silver Pin
8" W x 2" H



CRESCENT DOUBLE CURVATURE NAMEPLATE -
10" W x 2" H
STOCK NO. 344-7615, Nameplate, 3/8" Clear Glass

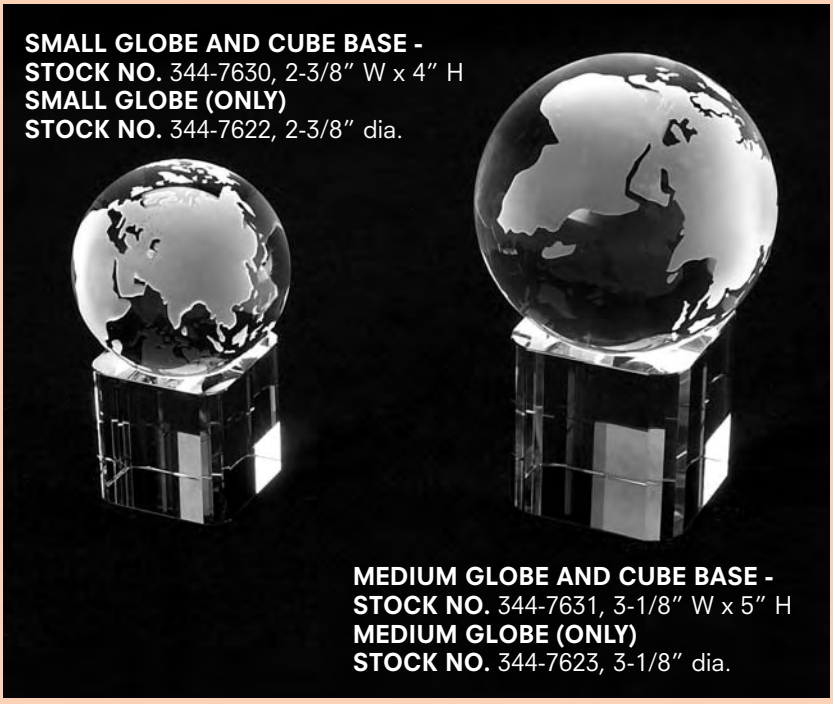


PENHOLDER BASE - 4" W x 10" L
STOCK NO. 344-7637, Penholder Base,
3/4" Clear Glass
w/Two Gold Pens



CRYSTAL CLOCK BEVELLED - 3-1/2" W x 4" H
STOCK NO. 344-7619, Clock, Clear Glass

Desk Accessories and Crystal Gifts



SMALL GLOBE AND CUBE BASE -
STOCK NO. 344-7630, 2-3/8" W x 4" H
SMALL GLOBE (ONLY)
STOCK NO. 344-7622, 2-3/8" dia.

MEDIUM GLOBE AND CUBE BASE -
STOCK NO. 344-7631, 3-1/8" W x 5" H
MEDIUM GLOBE (ONLY)
STOCK NO. 344-7623, 3-1/8" dia.



PC MOUSE, CRYSTAL -
2-3/8" W x 4-3/8" L
STOCK NO. 344-7613, 1-3/8" Clear



CLASSIC NUMBER ONE -
2-5/8" W x 5-3/4" L
STOCK NO. 344-7649, 3/4" Clear



CRYSTAL OPTIC CUBE -
2" W x 2-1/4" H
STOCK NO. 344-7611,
Free Standing



BASEBALL - 2-3/8" dia.
STOCK NO. 344-7621,
Free Standing



PREMIUM BASES -
STOCK NO. 344-7620, Circle Base, 3-1/4" dia., Clear
STOCK NO. 344-7638, Rectangular Base, 3" x 4" x 3/4", Clear



OPTICAL CRYSTAL JEWEL DISC -
3-1/4" dia. x 4" H
STOCK NO. 344-7612

Trophy Sport Shapes and Bases

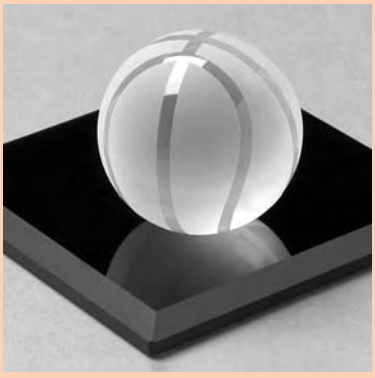
These popular sport shapes and globes are the perfect awards to celebrate sport and academic achievements. All balls are crystal and have flat bottoms to free stand or mount on a base.



STOCK NO.	Description	Size	Glass	UNIT PKG.
344-7658	Globe w/Lines	2″ Dia.	Crystal	ONE
344-7621	Molded Baseball	2-3/8″ Dia.	Crystal	ONE
344-7659	Rectanglar Base	4″ x 6″ x 3/8″ Thick	Black	ONE
344-7660	Square Base	4″ x 4″ x 3/8″ Thick	Black	ONE



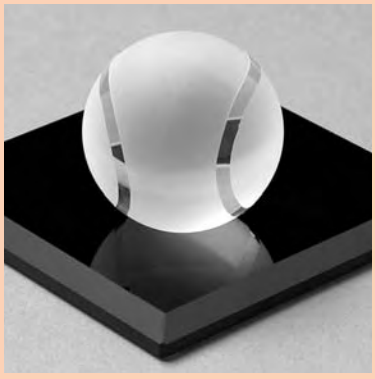
STOCK NO. 344-7661,
2″ Dia. Soccer Ball
STOCK NO. 344-7660,
4″ x 4″ Black Base



STOCK NO. 344-7662,
2″ Dia. Basketball
STOCK NO. 344-7660,
4″ x 4″ Black Base



STOCK NO. 344-7663,
2″ Dia. Golf Ball
STOCK NO. 344-7660,
4″ x 4″ Black Base



STOCK NO. 344-7664,
2″ Dia. Tennis Ball
STOCK NO. 344-7660,
4″ x 4″ Black Base



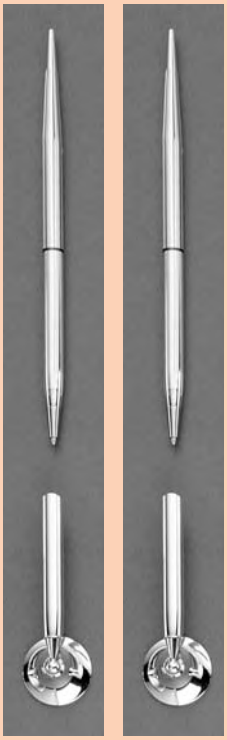
STOCK NO. 344-7622,
2-3/8″ Dia. Globe
STOCK NO. 344-7660,
4″ x 4″ Black Base



STOCK NO. 344-7666, 2″ Dia.
Frosted Baseball
STOCK NO. 344-7660,
4″ x 4″ Black Base

Glass Art Accessories, UV Adhesive

Replacement Items for Glass Art Collectibles





REPLACEMENT CLOCK (GOLD) -
STOCK NO. 344-7629
For use with
STOCK NO.'s 344-7635, 344-7627 and 344-7619

REPLACEMENT PENS & HOLDERS (GOLD) - SET OF 2
STOCK NO. 344-7648
For use with
STOCK NO. 344-7637

LOCTITE® Dual Cure Tough UV Adhesive



- **Glass Trophies • Glass Sculptures**
- **Most Glass-to-Glass Applications**
- **Most Glass-to-Metal Applications**

Loctite #352 is a high viscosity adhesive that can be cured with Loctite Activator #7075. Apply the adhesive to one surface and the activator to the other surface. Mate and clamp. Within about four minutes, handling strength is achieved. Full cure is 72 hours.
For larger scale or more artistic glass-to-glass projects, see the Bohle glass bonding section of the catalog. Special adhesives, a UV lamp, hinges and related items, fixtures and complete instructions are available.

STOCK NO.	Description	Size	UNIT PKG.
200-3524	Adhesive #352	50 ml	ONE BOTTLE
200-3526	Activator - Aerosol #7075	4.5 oz.	ONE CAN

Protective Glass Table Top Bumpers



Clear plastic, adhesive-backed discs provide a cushion where surfaces meet. They can be used to stabilize or cushion glass table tops, trophies, cabinet doors, appliances, speakers, etc. Also excellent to separate glass lites or metal sheets when storing.

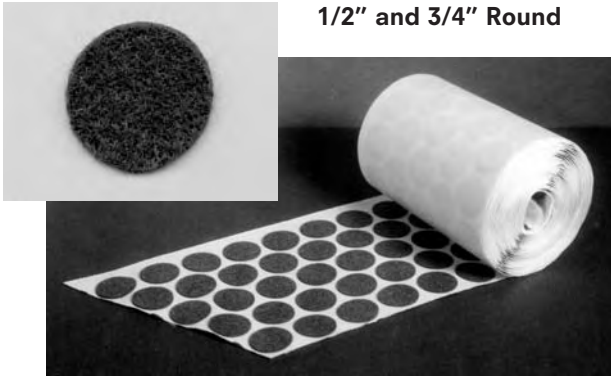
SOLD PER BOX OF 1,000

STOCK NO.	Diameter	Thickness	Color	UNIT PKG.
200-1050	1/2"	1/8"	Clear	ONE BOX

Felt Glass Protectors

Green and Black Felt - Adhesive Back

1/2" and 3/4" Round



These are American-made felt pads. They are 50% wool with a pressure sensitive adhesive backing. They help to prevent glass breakage or scratching during storage.

SOLD PER ROLL OF 1,000

STOCK NO.	Diameter	Thickness	Color	UNIT PKG.
349-1920	1/2"	1/16"	Black	ONE ROLL
349-1921	3/4"	1/16"	Green	ONE ROLL
349-1922	3/4"	1/16"	Black	ONE ROLL

Bevelled Mirror Overlays

ADD SOME PIZAZZ! TO MIRROR INSTALLATIONS

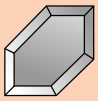


Eye-appealing bevelled mirror overlays can be used to create exciting new mirror designs, or to enhance the beauty of existing mirrors. The frame kits and overlays come in 2", 3" and 4" widths, with your choice of custom corner shapes and colors to compliment any decor.

Frame Kits

3 SELECTIONS TO SPECIFY WHEN ORDERING:

1. STYLE OF CORNERS:


☐ MITERED ☐ EMERALD ☐ SQUARE

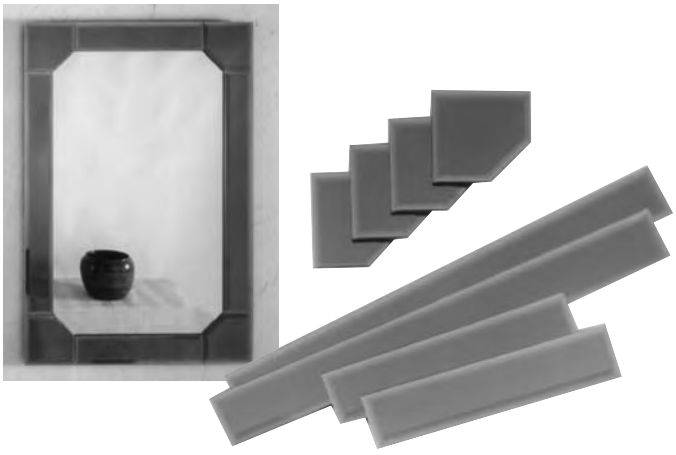
2. WIDTH OF MIRROR OVERLAY:

☐ 2" WIDTH ☐ 3" WIDTH ☐ 4" WIDTH

3. COLOR OF MIRROR OVERLAY:

☐ CLEAR ☐ GRAY or BRONZE

☐ PREMIUM - BLACK, BLUE, GOLD, GREEN, PEACH



Kits include 4 corners and 4 frame strips to complete one framed mirror. (Mitered corners are pictured.)
See next page for installation instructions.

BEVELLED GLASS MIRROR FRAME KITS
UNIT PKG: SOLD 4 CORNERS, 4 FRAME STRIPS PER KIT

Mirror Frame Size: 24" x 36"	
STOCK NO.	Color
344-6136	Clear
344-6236	Bronze
344-6336	Gray
344-6436	Premium

Mirror Frame Size: 36" x 42"	
STOCK NO.	Color
344-6142	Clear
344-6242	Bronze
344-6342	Gray
344-6442	Premium

Mirror Frame Size: 42" x 48"	
STOCK NO.	Color
344-6148	Clear
344-6248	Bronze
344-6348	Gray
344-6448	Premium

Mirror Frame Size: 42" x 60"	
STOCK NO.	Color
344-6160	Clear
344-6260	Bronze
344-6360	Gray
344-6460	Premium

Bevelled Mirror Frame Kit Installation

Installation Guide

This truly unique system was developed to enhance plain or ordinary existing mirrors found in homes, condos, hotels and offices. Frame kits transform them into beautifully bevelled, contemporary or traditional works of art. Or, create a new design with a colorful patterned image out of mirror cut-offs to give lasting satisfaction to your clientele.

Before Your Start

Accuracy guidelines to the bevelled overlays are a ±1/16" to any piece made to our overlay system. We recommend that you use 1/4" mirror to assemble mirror frame kits. Cut mirror 1/4" less than outside dimension of mirror frame, so edges will be hidden by frame after installation.

Step 1

Remove all pieces of the overlay frame from the special packaging. Lay frame pieces on your work table and turn pieces so that the **mirror side is face down**. We recommend using Somaca Hi-Sheen Liquid Glass Cleaner (337-1086) to clean the backside of the mirror overlays so that the double face tape will adhere properly.

Step 2

Apply three (3) rows of double face tape to the backside of the mirror overlays. We recommend using a **black**, 1/16" thick x 1/2" width Somaca double face tape (307-7220) to allow enough space between mirror and frame for moisture to evaporate. Tape should be centered on mirror frame. If it is applied too close to the inside edge of the frame, tape reflection will show in mirror.

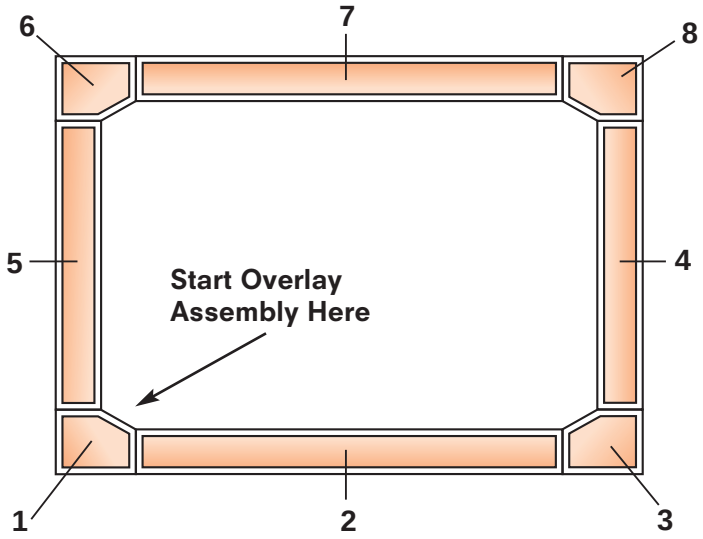
Step 3

Now that corners and strips are taped properly, you are ready to install them on the mirror.
See numbered diagram to the lower right.



Order of Frame Assembly

Always start assembly at a square corner on the bottom of the mirror, working your way around the mirror as shown. Note - Since mirror is cut 1/4" less than dimension of mirror frame, the frame will overlap mirror slightly in order to hide mirror edge.

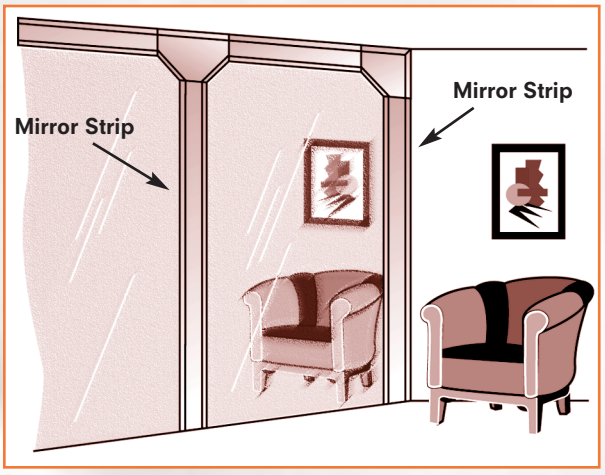


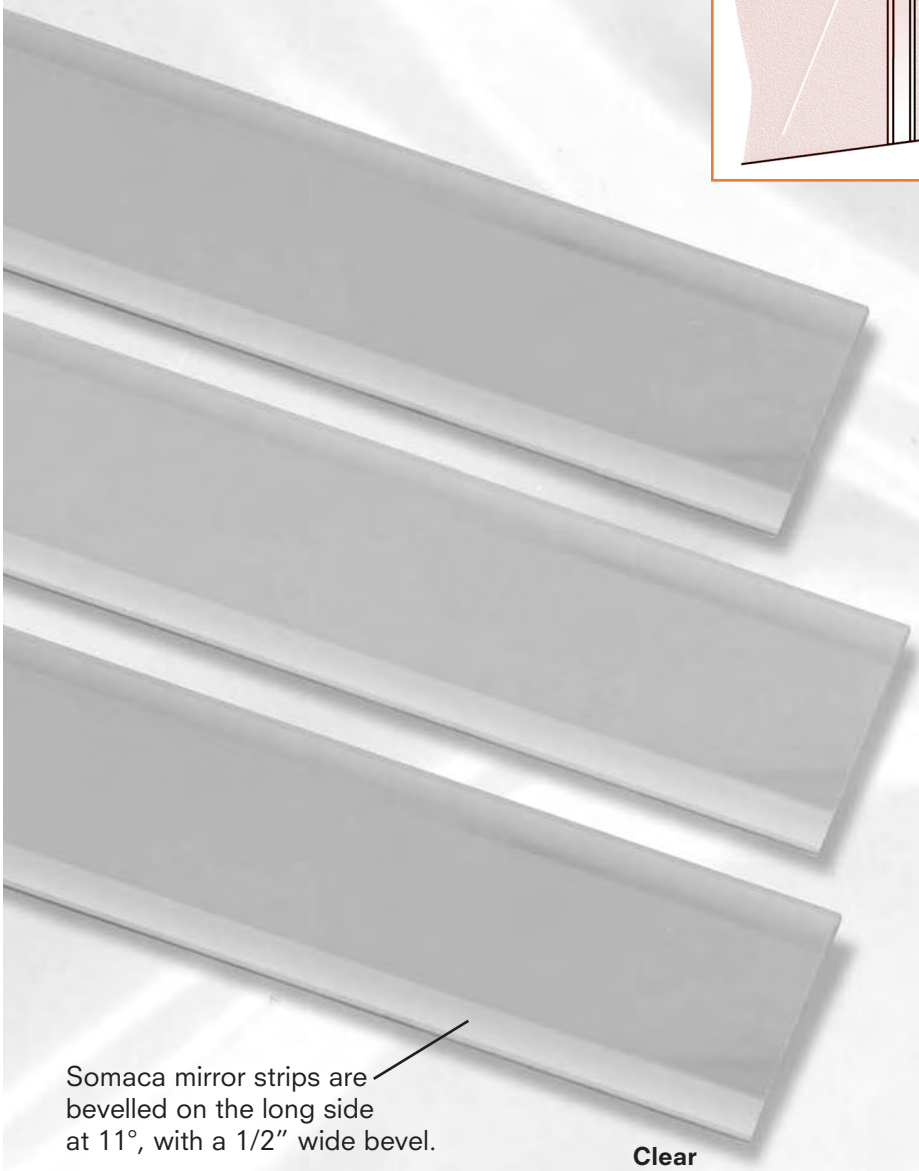
Step 4

Clean the mirror and frame with a foam type cleaner (Somaca Hi-Sheen, Stock No. 337-1100 or Somaca Mirror Glo, Stock No. 336-7500).
A liquid glass cleaner is not recommended because it may enter and harm the tape area on the overlay.

Bevelled Mirror Strips

Somaca Bevelled Mirror Strips are used as an overlay between two mirror panels, to conceal the edges in situations where the panels do not meet evenly.
They are also used to frame out the perimeter of a mirror or mirrored wall.
See illustration at right.





Somaca mirror strips are bevelled on the long side at 11°, with a 1/2" wide bevel.

Clear

Somaca mirror strips are available in 2", 3" and 4" widths, with standard lengths of 100" and 120". Strips are sold 25 lengths per case. The case can be shipped by truck or picked up at your nearest Somaca warehouse.

Specifications: 1/2" bevel at 11°

Color: Clear

BEVELLED MIRROR STRIPS
UNIT PKG: 25 LENGTHS

STOCK NO.	Size
344-2000*	2" width x 100" length
344-2020	2" width x 120" length
344-3000	3" width x 100" length
344-3030	3" width x 120" length
344-4000	4" width x 100" length
344-4040	4" width x 120" length

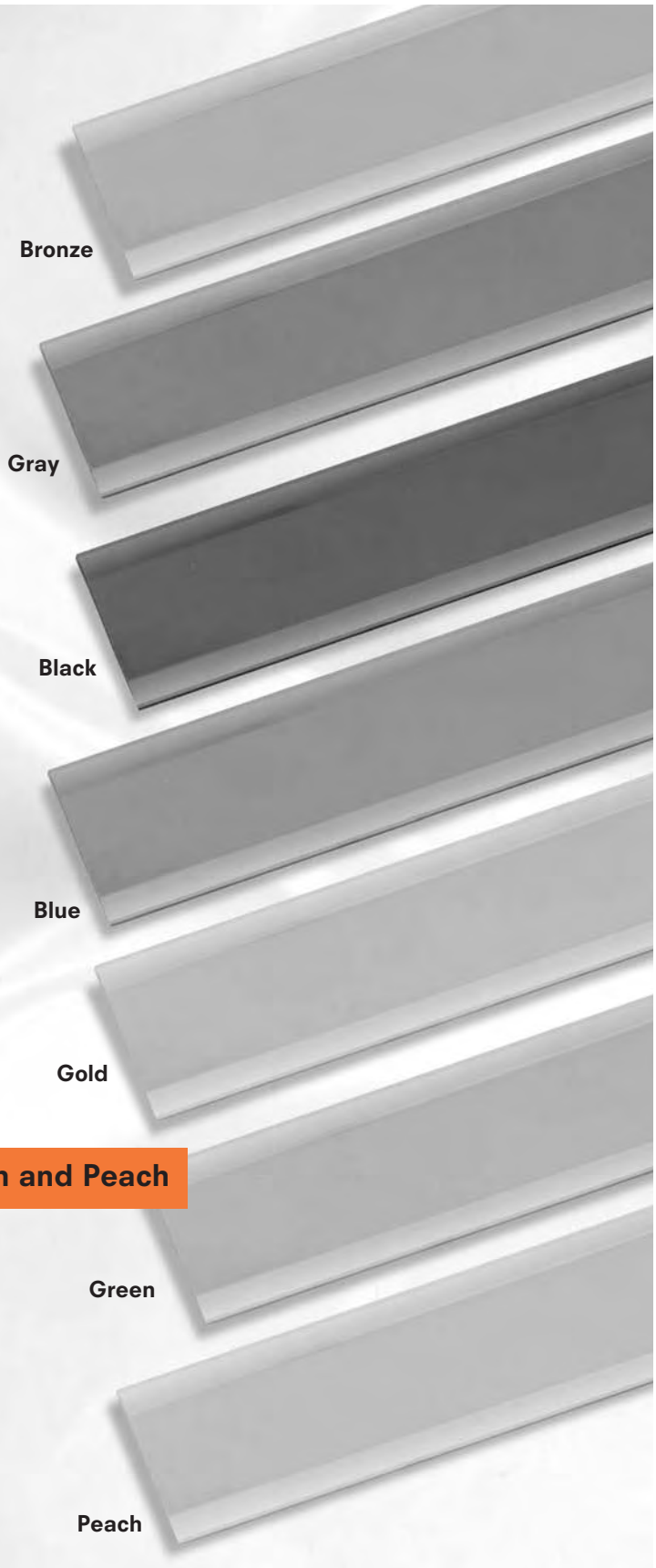
*BEST SELLER

NOTE: Cases can be assorted for quantity pricing. FOB shipping warehouse.

Bevelled Mirror Strips

Somaca Mirror Strips are offered in a variety of colors to coordinate with any decor. Sold 25 strips per case at standard lengths of 100″ and 120″.

Specifications: 1/2″ bevel at 11°



Colors: Bronze and Gray

BEVELLED MIRROR STRIPS
UNIT PKG: 25 LENGTHS

STOCK NO.	Size	Color
344-7500	2″ width x 100″ length	Bronze
344-7501	3″ width x 100″ length	Bronze
344-7502	4″ width x 100″ length	Bronze
344-7506	2″ width x 120″ length	Bronze
344-7507	3″ width x 120″ length	Bronze
344-7508	4″ width x 120″ length	Bronze

STOCK NO.	Size	Color
344-7503	2″ width x 100″ length	Gray
344-7504	3″ width x 100″ length	Gray
344-7505	4″ width x 100″ length	Gray
344-7509	2″ width x 120″ length	Gray
344-7510	3″ width x 120″ length	Gray
344-7511	4″ width x 120″ length	Gray

NOTE: Sold in case quantities only.

Premium Colors: Black, Blue, Gold, Green and Peach

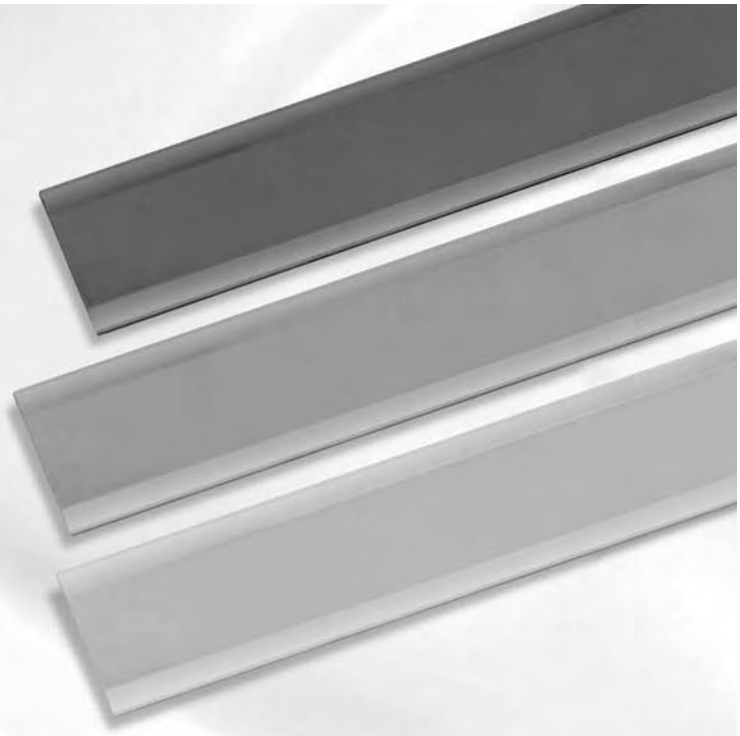
BEVELLED MIRROR STRIPS
UNIT PKG: 25 LENGTHS

STOCK NO.	Size	Color
344-7512	2″ width x 100″ length	Specify
344-7513	3″ width x 100″ length	Color
344-7514	4″ width x 100″ length	↓
344-7515	2″ width x 120″ length	
344-7516	3″ width x 120″ length	
344-7517	4″ width x 120″ length	

NOTE: Sold in case quantities only.

Bevelled Mirror Strips, Display Boards

Bevelled Mirror Strips



Somaca Mirror Strips are also offered in a convenient color assortment case of 25 strips.

Each assortment case contains:

5 each of Clear bevelled mirror strips
5 each of Black bevelled mirror strips
5 each of Blue bevelled mirror strips
5 each of Green bevelled mirror strips
5 each of Peach bevelled mirror strips

Specifications: 1/2" bevel at 11°

Case of Assorted Colors

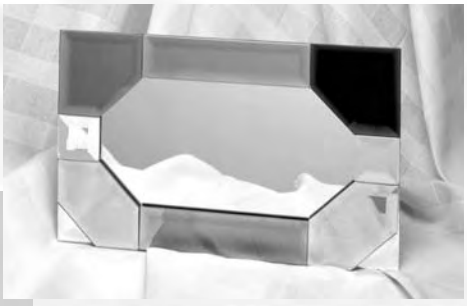
BEVELLED MIRROR STRIPS
UNIT PKG: 25 LENGTHS (5 of each color)

STOCK NO.	Size
344-7200	2" width x 100" length
344-7220	2" width x 120" length
344-7300	3" width x 100" length
344-7320	3" width x 120" length
344-7400	4" width x 100" length
344-7420	4" width x 120" length

NOTE: Assortment case must be all the same size.
FOB Shipping Warehouse

Bevelled Overlay Display Kits

Somaca Bevelled Mirror Display Kits are a great selling tool for your showroom, or to carry with you on a prospective job!



17 INDIVIDUAL PIECE DISPLAY KIT
This display kit includes:
(8) 3" square corners,
(2) 3" mitered corners,
(2) 3" emerald corners,
(4) 3" frame sections, and
(1) 3" T-connector.
Displays have a sample of each color.



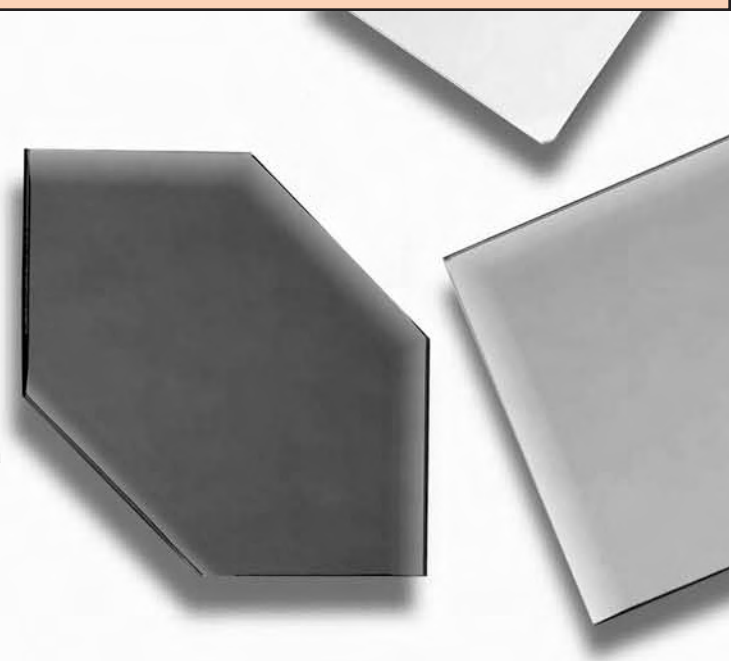
8 PIECE MOUNTED FRAME DISPLAY
The display frame includes:
(2) 2" square corners,
(2) 2" mitered corners,
(2) 2" emerald corners,
(2) 2" frame sections,
installed on a clear mirror.

BEVELLED GLASS MIRROR DISPLAYS
UNIT PKG: ONE DISPLAY

STOCK NO.	Description	Purpose of Kit
344-1235	17 Piece Display Kit	Arrange different colors & shapes for desired impact
344-5000	8 Piece Frame Display	Wall or portable jobsite fixed frame shows 2" shapes and colors

Clean Cut Bevelled Mirror Corners

Clean Cut Corners



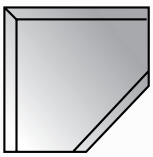
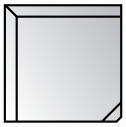
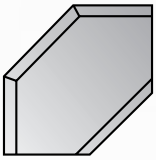
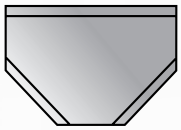
- **Two Sides Not Bevelled**
- **Package of Four Corners**

Somaca's Clean Cut bevelled overlay mirror frame systems are designed for custom fabrication of mirrors on the job-site. The three corner shapes and the T-connector are bevelled but have a flat edge where it would meet the mirror strip section. The mirror strip is also bevelled on two sides, with a flat edge. It fits flush against the Clean Cut Corner. This allows the frame to be cut to any length on the job-site. See pages 348-350 for matching strips.

Specifications: 1/2" bevel at 11°

CLEAN CUT BEVELLED MIRROR CORNERS

UNIT PKG: 4 CORNERS PER PACKAGE

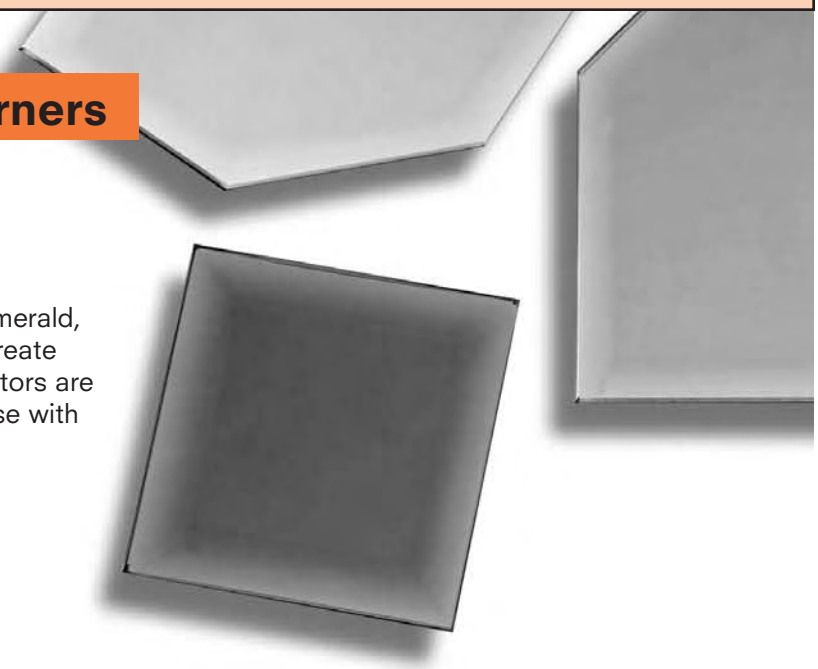
	MITERED	SQUARE	EMERALD	T-CONNECTOR
				
Clear	344-1012 2" Width 344-1013 3" Width 344-1014 4" Width	344-1112 2" Width 344-1113 3" Width 344-1114 4" Width	344-1212 2" Width 344-1213 3" Width 344-1214 4" Width	344-1312 2" Width 344-1313 3" Width 344-1314 4" Width
Bronze	344-2022 2" Width 344-2023 3" Width 344-2024 4" Width	344-2122 2" Width 344-2123 3" Width 344-2124 4" Width	344-2222 2" Width 344-2223 3" Width 344-2224 4" Width	344-2322 2" Width 344-2323 3" Width 344-2324 4" Width
Gray	344-3032 2" Width 344-3033 3" Width 344-3034 4" Width	344-3132 2" Width 344-3133 3" Width 344-3134 4" Width	344-3232 2" Width 344-3233 3" Width 344-3234 4" Width	344-3332 2" Width 344-3333 3" Width 344-3334 4" Width
Premium	344-4042 2" Width 344-4043 3" Width 344-4044 4" Width	344-4142 2" Width 344-4143 3" Width 344-4144 4" Width	344-4242 2" Width 344-4243 3" Width 344-4244 4" Width	344-4342 2" Width 344-4343 3" Width 344-4344 4" Width

Specify Color ↓

Black
Blue
Gold
Green
Peach

Bevelled Glass Mirror Corners

Bevelled Glass Mirror Corners



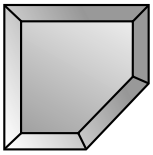
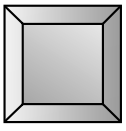
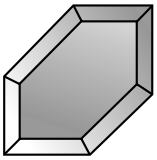
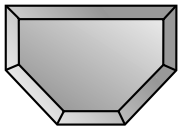
- **All Sides are Bevelled**
- **Package of Four Corners**

Three corner shapes, mitered, square, and emerald, along with the T-connector can be used to create a variety of styles. The corners and T-connectors are bevelled on all sides, and are designed for use with bevelled frame overlays.

Specifications: 1/2" bevel at 11°

BEVELLED GLASS MIRROR CORNERS

UNIT PKG: 4 CORNERS PER PACKAGE

	MITERED	SQUARE	EMERALD	T-CONNECTOR
				
Clear	344-1002 2" Width 344-1003 3" Width 344-1004 4" Width	344-1102 2" Width 344-1103 3" Width 344-1104 4" Width	344-1202 2" Width 344-1203 3" Width 344-1204 4" Width	344-1302 2" Width 344-1303 3" Width 344-1304 4" Width
Bronze	344-2002 2" Width 344-2003 3" Width 344-2004 4" Width	344-2102 2" Width 344-2103 3" Width 344-2104 4" Width	344-2202 2" Width 344-2203 3" Width 344-2204 4" Width	344-2302 2" Width 344-2303 3" Width 344-2304 4" Width
Gray	344-3002 2" Width 344-3003 3" Width 344-3004 4" Width	344-3102 2" Width 344-3103 3" Width 344-3104 4" Width	344-3202 2" Width 344-3203 3" Width 344-3204 4" Width	344-3302 2" Width 344-3303 3" Width 344-3304 4" Width
Premium	344-4002 2" Width 344-4003 3" Width 344-4004 4" Width	344-4102 2" Width 344-4103 3" Width 344-4104 4" Width	344-4202 2" Width 344-4203 3" Width 344-4204 4" Width	344-4302 2" Width 344-4303 3" Width 344-4304 4" Width

Specify Color ↓

Black
Blue
Gold
Green
Peach

Bevelled Mirror Overlays - Custom Design

Custom Design

Do you have a custom installation? Somaca can provide bevelled mirror overlays to accommodate any size mirror installation. Just fill out the information below, fax it to your local Somaca branch, and we do the rest!

REMINDER -
INCLUDE A COVER LETTER WITH YOUR NAME, ADDRESS, PHONE, FAX AND ACCOUNT NUMBER.

Your Measurement Drawing Here

SIZE: WIDTH _____ + LENGTH _____ x 2 = _____ LINEAL INCHES

COLOR SELECTION:

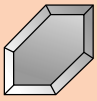
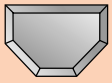
☐ CLEAR ☐ BRONZE ☐ GRAY

PREMIUM COLOR: ☐ BLACK ☐ BLUE ☐ GOLD ☐ GREEN ☐ PEACH

WIDTH OF MIRROR FRAME:

☐ 2" WIDTH ☐ 3" WIDTH ☐ 4" WIDTH

STYLE OF CORNERS:

☐ MITERED  ☐ EMERALD  ☐ SQUARE  ☐ T-CONNECTOR 

- **All corners are sold separately in packages of 4**
- **All bevelling is limited to 1/2" wide at 11°**
- **FOB Shipping Warehouse**
- **Customer must sign approval form before accepting the order**

CUSTOM BEVELLING IS PRICED PER LINEAL INCH

STOCK NO.	Color	Width of Frame
344-7600	Clear	2"
344-7601	Clear	3"
344-7602	Clear	4"
344-7603	Bronze/Gray	2"
344-7604	Bronze/Gray	3"
344-7605	Bronze/Gray	4"
344-7606	Premium (Specify Color)	2"
344-7607	Premium (Specify Color)	3"
344-7608	Premium (Specify Color)	4"

Frameless Shower Door Hinges



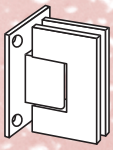
Shower enclosures have become the most important focal point in today's new and remodeled bathrooms. The trend to create a warm and inviting, yet functional space, will influence the design and appearance of your installation. Sommer & Maca's selection of highly polished, solid brass hinges will create an elegant visual impression and are constructed for ease of use, long life, and reliable service. Transform your ideas to reality with confidence in our high quality products.

Available in 4 Timeless Designs With 6 Styles of Hinges - In a Choice of Up to 14 Finishes

All Hinges are of Solid Brass Construction with Stainless Steel Components

3yr WARRANTY

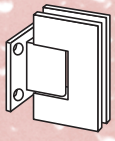
Our shower door hinges are warranted against defects, when installed according to industry standards, for 3 years from date of purchase.



Wall Mount - Full Back Plate
This hinge is our standard wall-to-glass hinge. The back plate is the same height as the hinge bracket.



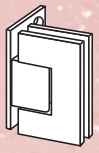
180° Glass-to-Glass Hinge
This hinge is used to mount a door to a fixed glass side panel that runs at a 180° angle to the door.



Wall Mount - Short Back Plate
The wall mount hinge with short back plate allows the glass to be placed closer to the wall.



135° Glass-to-Glass Hinge
Use this hinge to mount a door to a fixed glass side panel that runs at a 135° angle to the door.



Wall Mount - Offset Back Plate
The offset back plate is seen only from the inside of the shower. It provides a clean look to the exterior of the shower door.



90° Glass-to-Glass Hinge
This hinge is used to mount a door to a fixed glass side panel that runs at a 90° angle to the door.

Frameless Shower Door Hinges

ANAHEIM Series

- For 3/8" & 1/2" Tempered Glass
- Solid Forged Brass Hinges with Square Corners & Edges
- Available in 14 Finishes

The versatile, adaptable styling of this hinge will compliment a traditional as well as a contemporary shower installation. This graceful simple design, besides being very functional, is also timeless.

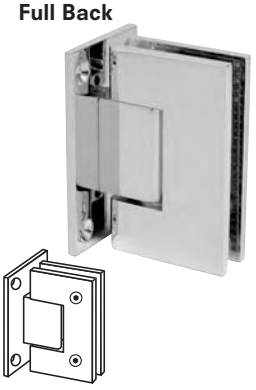

Typical Cut-Out

MAXIMUM CAPACITIES	Door Weight	Door Width
2 Hinges	80 lbs.	30"
3 Hinges	120 lbs.	36"

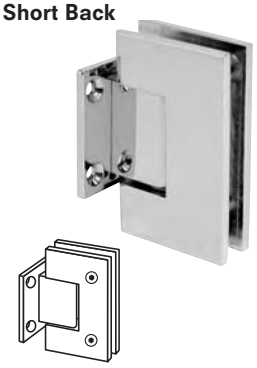
Anaheim Series Hinges Feature:

- Precision machined stainless steel components
- Mouse Ear design for added hold
- Self closing from 25° - self centering 0° return (5° positive closure and 45° configurations available)
- Allen wrench included with each hinge
- Conservatively rated at 40 lbs. per hinge

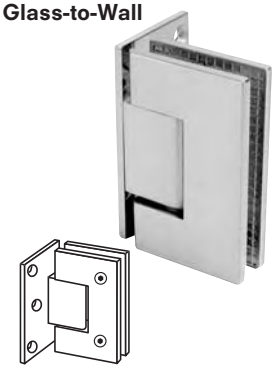
Wall Mount Full Back



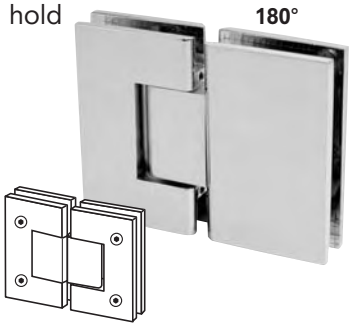
Wall Mount Short Back



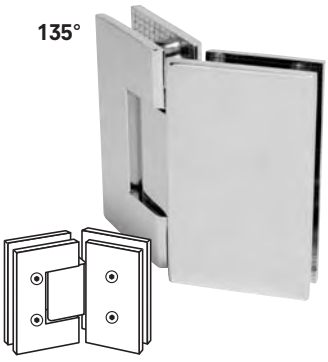
Glass-to-Wall



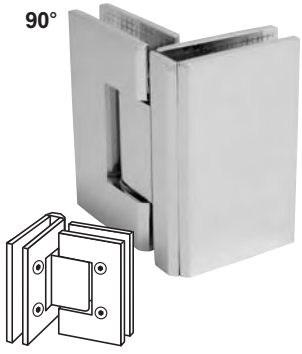
180°



135°



90°



FINISH	ANAHEIM SERIES - UNIT PKG: ONE HINGE					
	Wall Mount Full Back	Wall Mount Short Back	Glass-to-Wall w/Offset Back	180° Glass-to-Glass	135° Glass-to-Glass	90° Glass-to-Glass
Chrome	380-0112	380-0122	380-2060	380-0102	380-0142	380-0132
Polished Brass	380-0117	380-0127	380-2061	380-0107	380-0147	380-0137
Brushed Nickel	380-0101	380-0100	380-2062	380-0103	380-0108	380-0161
Satin Brass	380-0119	380-0129	380-2063	380-0111	380-0170	380-0155
24K Gold Plate	380-0116	380-0104	380-2064	380-0141	380-0181	380-0164
Satin Chrome	380-0114	380-0125	380-2065	380-0139	380-0176	380-0159
Oil Rubbed Bronze	380-0121	380-0105	380-2066	380-0144	380-0184	380-0165
Brushed Pewter	380-0131	380-0106	380-2067	380-0145	380-0185	380-0166
Polished Nickel	380-0115	380-0126	380-2068	380-0140	380-0179	380-0160
High Gloss White	380-0134	380-0109	380-2069	380-0146	380-0186	380-0169
Chrome w/Brass	380-0110	380-0124	380-2070	380-0136	380-0175	380-2142
Antique Brass	380-0120	380-0130	380-2071	380-0135	380-0171	380-2143
Lifetime Brass	380-2110	380-2113	380-2072	380-2120	380-2130	380-2141
Satine	380-2111	380-2112	380-2073	380-2121	380-2131	380-2140

Frameless Shower Door Hinges

Cicero Series

- **For 3/8" & 1/2" Tempered Glass**
- **Solid Forged Brass Hinges with Bevelled Edges, Rounded Corners**
- **Available in 14 Finishes**

The Cicero Series has the same timeless styling as the Anaheim hinge, but with clean, rounded corners and bevelled edges. The high quality, stainless steel components ensure a lifetime of service.


Typical Cut-Out

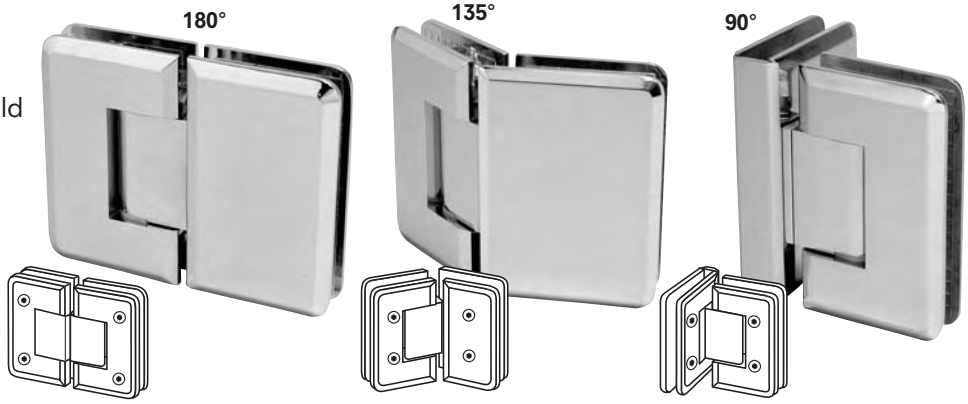
MAXIMUM CAPACITIES		
	Door Weight	Door Width
2 Hinges	80 lbs.	30"
3 Hinges	120 lbs.	36"


Wall Mount


Wall Mount Offset

Cicero Series Hinges Feature:

- Precision machined stainless steel components
- Mouse Ear design for added hold
- Self closing from 25° - self centering 0° return (5° positive closure and 45° configurations available)
- Allen wrench included with each hinge
- Conservatively rated at 40 lbs. per hinge


180° 135° 90°

	CICERO SERIES - UNIT PKG: ONE HINGE				
FINISH	Wall Mount "H" Full Back	Wall Mount Offset Back	180° Glass-to-Glass	135° Glass-to-Glass	90° Glass-to-Glass
Chrome	380-3000	380-3014	380-3028	380-3056	380-3042
Polished Brass	380-3001	380-3015	380-3029	380-3057	380-3043
Brushed Nickel	380-3002	380-3016	380-3030	380-3058	380-3044
Satin Brass	380-3003	380-3017	380-3031	380-3069	380-3045
24K Gold Plate	380-3004	380-3018	380-3032	380-3059	380-3046
Satin Chrome	380-3005	380-3019	380-3033	380-3060	380-3047
Oil Rubbed Bronze	380-3006	380-3020	380-3034	380-3061	380-3048
Brushed Pewter	380-3007	380-3021	380-3035	380-3062	380-3049
Polished Nickel	380-3008	380-3022	380-3036	380-3063	380-3050
High Gloss White	380-3009	380-3023	380-3037	380-3064	380-3051
Chrome w/Brass	380-3010	380-3024	380-3038	380-3065	380-3052
Antique Brass	380-3011	380-3025	380-3039	380-3066	380-3053
Lifetime Brass	380-3012	380-3026	380-3040	380-3067	380-3054
Satine	380-3013	380-3027	380-3041	380-3068	380-3055

Frameless Shower Door Hinges

SAUSALITO Series

- For 3/8" & 1/2" Tempered Glass
- Solid Forged Brass Construction
- Available in 14 Finishes

The sleek clean lines of these oversized, forged solid brass hinges will add an optimal sense of style to any contemporary installation. The large surface area provides superior support for glass mounting.

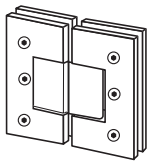

Typical Cut-Out

MAXIMUM CAPACITIES	Door Weight	Door Width
2 Hinges	100 lbs.	30"
3 Hinges	150 lbs.	36"

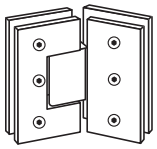
Sausalito Series Hinges Feature:

- Precision machined stainless steel components
- Dual precision wound stainless steel return springs
- Self closing from 25° - self centering 0° return (5° positive closure and 45° configurations available)
- Matched finish stainless steel Allen style clamp screws with Allen wrench included
- Wall mount hinges include matched finish stainless steel mounting screws
- Conservatively rated at 50 lbs. per hinge


Wall Mount




180°




135°

FINISH	SAUSALITO SERIES - UNIT PKG: ONE HINGE Wall Mount Short Back	180° Glass-to-Glass	135° Glass-to-Glass
Chrome	380-0162	380-0152	380-0182
Polished Brass	380-0167	380-0157	380-0187
Brushed Nickel	380-0016	380-7611	380-7637
Satin Brass	380-0044	380-7608	380-7634
24K Gold Plate	380-7604	380-7612	380-7638
Satin Chrome	380-0014	380-7607	380-7631
Oil Rubbed Bronze	380-6800	380-7613	380-7639
Brushed Pewter	380-7605	380-7617	380-7640
Polished Nickel	380-7602	380-7610	380-7636
High Gloss White	380-3222	380-7614	380-7641
Chrome w/Brass	380-7600	380-7606	380-7630
Antique Brass	380-7601	380-7609	380-7635
Lifetime Brass	380-0046	380-7616	380-7633
Satine	380-1095	380-7615	380-7632

Frameless Shower Door Hinges

New York Pivot Series

- For 3/8" & 1/2" Tempered Glass
- Solid Forged Brass Construction
- Available in 13 Finishes

The New York Series pivot hinges offer even more possibilities for unique designs and applications. They can be used with our frameless header systems to create shower enclosures that are not attached to the ceiling.



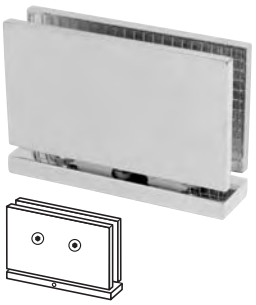
Typical Cut-Out

MAXIMUM CAPACITIES		
	Door Weight	Door Width
2 Hinges	120 lbs.	32"

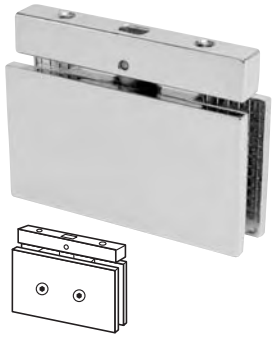
New York Series Pivot Hinges Feature:

- Precision machined 300 Series stainless steel components
- Hinges use non-Mouse Ear design for added adjustment
- Precision wound stainless steel return springs
- Self closing from 25° - self centering 0° return (5° positive closure and 45° configurations available)
- Matched finish stainless steel Allen style clamp screws with Allen wrench included
- Matched finish stainless steel mounting screws
- Conservatively rated at 50 lbs. per hinge

Glass-to-Curb



Glass-to-Header



Glass-to-Wall



Glass-to-Glass



	NEW YORK SERIES - UNIT PKG: ONE HINGE			
FINISH	Glass-to-Curb Bottom	Glass-to-Header* Top	Glass-to-Wall w/ L Bracket	Glass-to-Glass Top
Chrome	380-3070	380-3086	380-3099	380-3112
Polished Brass	380-3071	380-3087	380-3100	380-3113
Brushed Nickel	380-3072	380-3088	380-3101	380-3114
Satin Brass	380-3073	380-3089	380-3102	380-3115
24K Gold Plate	380-3074	380-3090	380-3103	380-3116
Satin Chrome	380-3075	380-3091	380-3104	380-3117
Oil Rubbed Bronze	380-3078	380-3092	380-3105	380-3118
Brushed Pewter	380-3079	380-3093	380-3106	380-3119
Polished Nickel	380-3080	380-3094	380-3107	380-3120
High Gloss White	380-3081	380-3095	380-3108	380-3121
Antique Brass	380-3082	380-3096	380-3109	380-3122
Lifetime Brass	380-3083	380-3097	380-3110	380-3123
Satine	380-3084	380-3098	380-3111	380-3124

***NOTE: Glass-to-Header Style Requires Deluxe Header Components as Listed with Euro Header Kits.**

Frameless Shower Door Glass Clips

ANAHEIM GLASS CLIPS

- For 3/8" & 1/2" Tempered Glass
- Solid Forged Brass Clips with Square Corners & Edges
- Available in 13 Finishes

Anaheim Glass Clips Feature:

- Matched finish stainless steel Allen head clamp screws
- Wall Mount Clips include stainless steel mounting screws
- 3/4" holes required for attachment
- Available in 7 styles



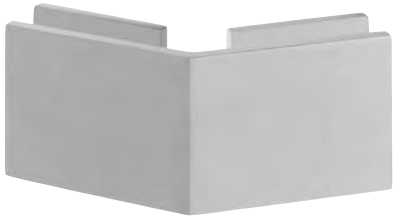
Fixed Wall Mount
2"x 2" wall or curb mount for securing fixed panels.



180° Glass-to-Glass
2" x 2" panel stabilizer or fixed transom clip for glass-to-glass installations.



180° Glass-to-Glass
2" x 5" for fixed transom or inline panel installations.



135° Neo-Angle Glass-to-Glass
2-1/2" x 2" (each side) for securing fixed panels in 135° corners.



90° Corner Glass-to-Glass
2-1/2" x 2" (each side) for securing fixed panels in 90° corners.



Movable Transom Wall Mount
2" x 2" wall mount operable transom pivot.



Movable Transom Glass-to-Glass
2" x 2" operable glass-to-glass transom pivot.

	ANAHEIM GLASS CLIPS - UNIT PKG: ONE CLIP						
FINISH	Fixed Wall Mount	180° - 2" x 2" Glass-to-Glass	180° 2" x 5"	135° Neo-Angle	90° Corner	Mov. Transom Wall Mount	Mov. Transom Glass-to-Glass
Chrome	380-4000	380-4054	380-4039	380-4013	380-4026	380-4120	380-4132
Polished Brass	380-4001	380-4055	380-4040	380-4014	380-4027	380-4121	380-4133
Brushed Nickel	380-4002	380-4056	380-4041	380-4015	380-4028	380-4122	380-4134
Satin Brass	380-4003	380-4057	380-4042	380-4016	380-4029	380-4123	380-4135
24K Gold Plate	380-4004	380-4058	380-4043	380-4017	380-4030	380-4124	380-4136
Satin Chrome	380-4005	NA	380-4044	380-4018	380-4031	380-4174	380-4175
Oil Rubbed Brnz.	380-4006	380-4059	380-4047	380-4019	380-4032	380-4125	380-4137
Brushed Pewter	380-4012	380-4060	380-4048	380-4020	380-4033	380-4126	380-4138
Polished Nickel	380-4007	380-4061	380-4049	380-4021	380-4034	380-4127	380-4139
High Gloss White	380-4008	380-4062	380-4050	380-4022	380-4035	380-4128	380-4140
Antique Brass	380-4009	380-4063	380-4051	380-4023	380-4036	380-4129	380-4141
Lifetime Brass	380-4010	NA	380-4052	380-4024	380-4037	380-4130	380-4142
Satine	380-4011	380-4064	380-4053	380-4025	380-4038	380-4131	380-4143

Frameless Shower Door Glass Clips

Cicero Glass Clips

- **For 3/8" & 1/2" Tempered Glass**
- **Solid Forged Brass Clips with Rounded Corners, Bevelled Edges**
- **Available in 13 Finishes**

Cicero Glass Clips Feature:

- Matched finish stainless steel Allen head clamp screws
- Wall Mount Clips include stainless steel mounting screws
- 3/4" holes required for attachment
- Available in 6 styles



Fixed Wall Mount
2"x 2" wall mount clip for securing fixed panels in shower enclosures. May be used on wall or curb.



180° Glass-to-Glass
2" x 5" for fixed transom or inline panel installations.



135° Neo-Angle Glass-to-Glass
2-1/2" x 2" (each side) for securing fixed panels in 135° corner configurations.



90° Corner Glass-to-Glass
2-1/2" x 2" (each side) for securing fixed panels in 90° corners.



Movable Transom Wall Mount
2" x 2" wall mount for securing operable transom panel.



Movable Transom Glass-to-Glass
2" x 2" (each side) for 180° glass-to-glass inline operable transom pivots.

	CICERO GLASS CLIPS - UNIT PKG: ONE CLIP					
FINISH	Fixed Wall Mount	180° - 2" x 5" Glass-to-Glass	135° Neo-Angle	90° Corner	Mov. Transom Wall Mount	Mov. Transom Glass-to-Glass
Chrome	380-4069	380-4108	380-4080	380-4097	380-4150	380-4162
Polished Brass	380-4070	380-4109	380-4081	380-4098	380-4151	380-4163
Brushed Nickel	380-4071	380-4110	380-4087	380-4099	380-4152	380-4164
Satin Brass	380-4072	380-4111	380-4082	380-4100	380-4153	380-4165
24K Gold Plate	380-4073	380-4112	380-4083	380-4101	380-4154	380-4166
Satin Chrome	380-4176	380-4179	380-4177	380-4178	380-4180	380-4181
Oil Rubbed Brnz.	380-4079	380-4113	380-4084	380-4102	380-4155	380-4168
Brushed Pewter	380-4074	380-4114	380-4085	380-4103	380-4156	380-4169
Polished Nickel	380-4075	380-4115	380-4086	380-4104	380-4157	380-4167
High Gloss White	380-4076	380-4116	380-4088	380-4105	380-4158	380-4170
Antique Brass	380-4077	380-4117	380-4089	380-4106	380-4159	380-4171
Lifetime Brass	380-4183	380-4118	380-4091	380-4092	380-4160	380-4172
Satine	380-4078	380-4119	380-4090	380-4107	380-4161	380-4173

Brass and Stainless Steel Towel Bars

Brass/Stainless Steel Shower Door Towel Bars

- All Bars are 3/4" Brass or Stainless Steel Tube
- For Glass Thickness 3/16" to 1/2"
- All Bars Measure Center-to-Center for Attachment Fabrication
- Available in a Wide Variety of Sizes and Finishes
- Available in Single Side or Back-to-Back Configurations
- 3/8" to 1/2" Holes Required for Attachment
- 1" Style Washers Sold Separately

Single-Sided Towel Bars



	SINGLE SIDE TOWEL BARS - UNIT PKG: ONE					
FINISH	12" Single	16" Single	18" Single	22" Single	24" Single	28" Single
Polished Stainless	380-0189	380-0216	380-0231	380-0269	380-0280	380-0347
Brushed Stainless	NA	NA	380-0233	NA	380-0281	NA
Polished Brass	380-0190	380-0218	380-0234	380-0270	380-0282	380-0348
Brushed Nickel	380-0193	380-0220	380-0240	380-0272	380-0287	380-0350
Satin Brass	NA	NA	380-0235	NA	380-0283	NA
24K Gold Plate	NA	NA	380-0241	NA	380-0288	NA
Satin Chrome	380-0191	380-0219	380-0238	380-0271	380-0285	380-0349
Oil Rubbed Bronze	NA	NA	380-0242	NA	380-0289	NA
Brushed Pewter	NA	NA	380-0243	NA	380-0290	NA
Polished Nickel	NA	NA	380-0239	NA	380-0286	NA
High Gloss White	380-0194	380-0221	380-0244	380-0273	380-0291	380-0351
Antique Brass	NA	NA	380-0236	NA	380-0284	NA
Lifetime Brass	NA	NA	380-0246	NA	380-1293	NA
Satine	NA	NA	380-0245	NA	380-1292	NA

Brass/Stainless Steel Shower Door Towel Bars & Pulls

- All Bars are 3/4" Brass or Stainless Steel Tube
- For Glass Thickness 3/16" to 1/2"
- All Bars Measure Center-to-Center for Attachment Fabrication
- Available in a Wide Variety of Sizes and Finishes
- Available in Single Side or Back-to-Back Configurations
- 3/8" to 1/2" Holes Required for Attachment
- 1" Style Washers Sold Separately

Back-to-Back Towel Bars



Towel Bar with Shower Door Pull Sets

Ordering information for Towel Bar with Shower Door Pull Sets on following page.

FINISH	BACK-TO-BACK TOWEL BARS - UNIT PKG: ONE PAIR		
	12" Back-to-Back	18" Back-to-Back	24" Back-to-Back
Polished Stainless	380-7460	380-7420	380-7440
Brushed Stainless	NA	380-7422	380-7441
Polished Brass	380-7462	380-0357	380-7443
Brushed Nickel	380-7463	380-7427	380-7447
Satin Brass	NA	380-7424	380-7444
24K Gold Plate	NA	380-7428	380-7448
Satin Chrome	380-7461	380-7421	380-7442
Oil Rubbed Bronze	NA	380-7429	380-7449
Brushed Pewter	NA	380-7430	380-7452
Polished Nickel	NA	380-7426	380-7446
High Gloss White	380-7464	380-7431	380-7450
Antique Brass	NA	380-7425	380-7445
Lifetime Brass	NA	NA	NA
Satine	NA	380-7423	380-7451

Brass and Stainless Towel Bars & Pulls

Towel Bar with 6" or 8" Shower Door Pull Sets



6" Pulls

	TOWEL BAR WITH 6" SHOWER DOOR PULL - UNIT PKG: ONE					
FINISH	6" x 16" Bar/Pull	6" x 18" Bar/Pull	6 x 22" Bar/Pull	6" x 24" Bar/Pull	6" x 27" Bar/Pull	6" x 30" Bar/Pull
Polished Stainless	380-7150	380-7300	380-7113	380-7200	380-7130	380-7140
Brushed Stainless	NA	380-7301	NA	380-7201	NA	NA
Polished Brass	380-7152	380-7303	380-7115	380-7203	380-7132	380-7142
Brushed Nickel	380-7153	380-7307	380-7116	380-7207	380-7133	380-7143
Satin Brass	NA	380-7304	NA	380-7204	NA	NA
24K Gold Plate	NA	380-7308	NA	380-7208	NA	NA
Satin Chrome	380-7151	380-7302	380-7114	380-7202	380-7131	380-7141
Oil Rubbed Bronze	NA	380-7309	NA	380-7209	NA	NA
Brushed Pewter	NA	380-7313	NA	380-7213	NA	NA
Polished Nickel	NA	380-7306	NA	380-7206	NA	NA
High Gloss White	380-7154	380-7310	380-7117	380-7210	380-7134	380-7144
Antique Brass	NA	380-7305	NA	380-7205	NA	NA
Lifetime Brass	NA	380-7312	NA	380-7212	NA	NA
Satine	NA	380-7311	NA	380-7211	NA	NA

8" Pulls

	TOWEL BAR WITH 8" SHOWER DOOR PULL - UNIT PKG: ONE				
FINISH	8" x 16" Bar/Pull	8" x 18" Bar/Pull	8 x 22" Bar/Pull	8" x 24" Bar/Pull	8" x 27" Bar/Pull
Polished Stainless	380-7160	380-7400	380-7120	380-7100	380-7170
Brushed Stainless	NA	380-7401	NA	380-7101	NA
Polished Brass	380-7162	380-7403	380-7122	380-7103	380-7172
Brushed Nickel	380-7163	380-7407	380-7123	380-7107	380-7173
Satin Brass	NA	380-7404	NA	380-7104	NA
24K Gold Plate	NA	380-7408	NA	380-7108	NA
Satin Chrome	380-7161	380-7402	380-7121	380-7102	380-7171
Oil Rubbed Bronze	NA	380-7409	NA	380-7109	NA
Brushed Pewter	NA	380-7411	NA	380-7112	NA
Polished Nickel	NA	380-7406	NA	380-7106	NA
High Gloss White	380-7164	380-7410	380-7124	380-7110	380-7174
Antique Brass	NA	380-7405	NA	380-7105	NA
Lifetime Brass	NA	NA	NA	NA	NA
Satine	NA	NA	NA	380-7111	NA

Brass and Stainless Pulls & Knobs

Brass/Stainless Steel Shower Door Pulls & Knobs

- Pulls and Knobs have the Same Specifications as the Towel Bars







Single-Sided and Back-to-Back Pulls

	SINGLE-SIDED and BACK-TO-BACK PULLS - UNIT PKG: ONE				
FINISH	6″ Single	8″ Single	6″ Back-to-Back	8″ Back-to-Back	6″ Circular Back-to-Back
Polished Stainless	380-7030	380-7050	380-7509	380-7470	380-7070
Brushed Stainless	380-7031	380-7051	380-7500	380-7471	NA
Polished Brass	380-7033	380-7053	380-3218	380-7472	380-7072
Brushed Nickel	380-7037	380-7057	380-0150	380-1150	380-7080
Satin Brass	380-7034	380-7054	380-7501	380-7474	380-7073
24K Gold Plate	380-7038	380-7058	380-7503	380-7477	380-7075
Satin Chrome	380-7032	380-7052	380-0265	380-0263	380-7079
Oil Rubbed Bronze	380-7039	380-7059	380-7504	380-7478	380-7076
Brushed Pewter	380-7042	380-7062	380-7508	380-7481	380-7078
Polished Nickel	380-7036	380-7056	380-0045	380-7476	380-7081
High Gloss White	380-7040	380-7060	380-7505	380-7479	380-7077
Antique Brass	380-7035	380-7055	380-7502	380-7475	380-7071
Lifetime Brass	NA	NA	380-7507	380-7480	NA
Satine	380-7041	380-7061	380-7506	380-0198	NA

Single-Sided, Back-to-Back Knobs & Style Washers







Back-to-Back Shower Door Pull shown with Style Washers.

- Knobs are 3/4″ x 1-1/4″

	UNIT PKG: ONE		ONE SET
FINISH	Knob Single	Knob Back-to-Back	Style Washer Set of 4
Polished Stainless	380-7014	380-7012	380-3337
Brushed Stainless	380-7015	380-7013	380-3338
Polished Brass	380-7017	380-7001	380-3340
Brushed Nickel	380-7021	380-7005	380-3344
Satin Brass	380-7018	380-7002	380-3341
24K Gold Plate	380-7022	380-7006	380-3345
Satin Chrome	380-7016	380-7000	380-3339
Oil Rubbed Bronze	380-7023	380-7011	380-3346
Brushed Pewter	380-7027	380-7010	380-3347
Polished Nickel	380-7020	380-7004	380-3343
High Gloss White	380-7024	380-7007	380-3348
Antique Brass	380-7019	380-7003	380-3342
Lifetime Brass	380-7026	380-7009	380-3350
Satine	380-7025	380-7008	380-3349

Shower Supply Handles

Slip-On Handles for 1/4" Glass



This slip-on handle is for use on frameless pivot doors. 4" length.

UNIT PKG: ONE HANDLE	
Brite Silver	**Brite Gold**
380-1015	380-1016



For frameless pivot doors. Handle is 3-3/4" in length. Includes magnetic insert No. 380-1047.

UNIT PKG: ONE HANDLE	
Brite Silver	**Brite Gold**
380-1029	380-1030

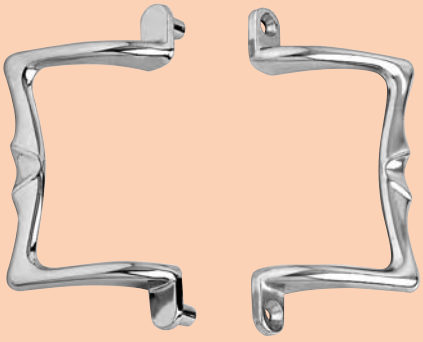


Slip-on handle is for use on twin roll frameless 1/4" enclosures. 2-3/8" in length.

UNIT PKG: ONE HANDLE	
Brite Silver	**Brite Gold**
380-1027	380-1028

Screw Fastened Handles

This scroll-style cast handle grip measures 2-7/8" with holes at 3-1/2" centers. Male and female sides. Screws furnished.



UNIT PKG: ONE SET		
Satin Silver	**Brite Silver**	**Brite Gold**
380-1021	380-1022	380-1023

Sierra door handle has a smooth, contemporary appearance. Handle is 3-7/8" long, with holes at 3-1/2" centers. Male and female sides. Screws furnished.



UNIT PKG: ONE SET	
Brite Silver	**Brite Gold**
380-1025	380-1026

Acrylic Towel Bars, Pulls and Knobs

Acrylic Shower Door Towel Bars, Pulls & Knobs

- All Bars, Pulls and Knobs are 3/4" Transparent Acrylic
- Components Fabricated Using Plated Brass and Stainless Steel to Insure Against Corrosion or Discoloration
- For Glass Thickness 1/4" to 1/2"
- Bar Length Measured Center-to-Center for Attachment Fabrication
- Available in Gold and Chrome
- 3/8" to 5/8" Holes Required
- Knobs are 3/4" Diameter and 1-1/4" Tall





Back-to-Back Mount Towel Bars & Pulls

	UNIT PKG: ONE	
Length	Chrome	Gold
6"	380-7800	380-7801
8"	380-7802	380-7803
10"	380-7805	380-7804
12"	380-7806	380-7807
18"	380-7808	380-7809
24"	380-7810	380-7811

Single Side Towel Bars & Pulls

	UNIT PKG: ONE	
Length	Chrome	Gold
6"	380-7820	380-7821
8"	380-7822	380-7823
10"	380-7824	380-7825
12"	380-7826	380-7827
18"	380-7828	380-7829
24"	380-7830	380-7831

Other Finishes Available on Special Order. Combine Single Side Components to Create Bar/Pull Combination Back-to-Back Sets. WARNING: Acrylic Towel Bars and Pulls Should Not Be Used As Grab Bars!

Back-to-Back Knob



- Knob Extends 1-3/8" from Surface

UNIT PKG: ONE SET	
Chrome	Gold
380-7840	380-7841



Single Side Knob

- Knob Extends 1-3/8" from Surface

UNIT PKG: ONE	
Chrome	Gold
380-7842	380-7843

Individual Components



Aluminum Mounting Disk
NO. 380-7850
UNIT PKG: ONE



Blind Fastener
No. 380-7851 - Chrome
No. 380-7852 - Gold
UNIT PKG: ONE



Threaded Stud
No. 380-7860 - Short
No. 380-7861 - Long
UNIT PKG: ONE



Vinyl Gasket
No. 380-7862
UNIT PKG: ONE

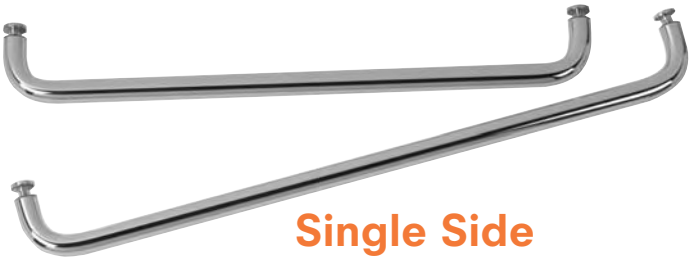


Vinyl Spacer
No. 380-7863
UNIT PKG: ONE

Aluminum Towel Bars, Pulls and Knobs

Aluminum Shower Door Towel Bars, Pulls & Knobs

- All Bars, Pulls and Knobs are 3/4" Solid Aluminum Bar Stock
- For Glass Thickness 1/4" to 1/2"
- Bars and Pulls Measure 2-1/4" Tall with Length Measured Center-to-Center for Attachment Fabrication
- Available in 3 Finishes: Bright Gold, Bright Silver and White Powder Coat
- Single Side Hardware Supplied with Coin-Slot Blind Fasteners
- 1/2" Holes Required for Attachment
- Not Available with Style Washers



Single Side Towel Bars

Length	UNIT PKG: ONE		
	Gold	Silver	White
18"	380-0301	380-0300	380-0302
21"	380-0304	380-0303	380-0305
24"	380-0307	380-0306	380-0308
30"	380-0310	380-0309	380-0311



Towel Bar with Shower Door Pull Sets

Length	UNIT PKG: ONE		
	Gold	Silver	White
6" x 18"	380-0325	380-0324	380-0326
6" x 21"	380-0328	380-0327	380-0329
6" x 24"	380-0331	380-0330	380-0332



Single Side Pulls

Length	UNIT PKG: ONE		
	Gold	Silver	White
6"	380-0313	380-0312	380-0314
8"	380-0316	380-0315	380-0317



Back-to-Back Pulls

Length	UNIT PKG: ONE		
	Gold	Silver	White
6"	380-0319	380-0318	380-0320
8"	380-0322	380-0321	380-0323

Round Style Pull Knob

- Unique 1/8" Thick Vinyl Cushion Grip
- Knob Extends 1-1/8" from Surface



Blind Fastener for Independent Mount

UNIT PKG: ONE		
Gold	Silver	White
380-0337	380-0336	380-0338

Stud for Towel Bar Attachment

UNIT PKG: ONE		
Gold	Silver	White
380-0343	380-0342	380-0344

Bulb Style Pull Knob

- Knob Extends 1" from Surface



Blind Fastener for Independent Mount

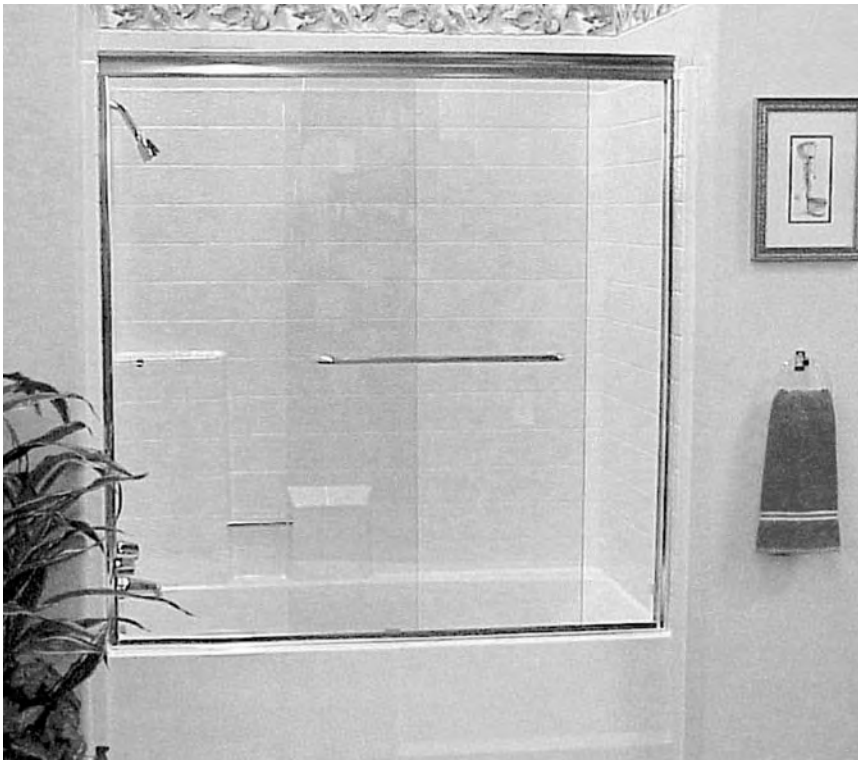
UNIT PKG: ONE		
Gold	Silver	White
380-0334	380-0333	380-0335

Stud for Towel Bar Attachment

UNIT PKG: ONE		
Gold	Silver	White
380-0340	380-0339	380-0341

Frameless Slider & Enclosure Kits

- **Frameless Double KD Slider Kits**
- **For 1/4" & 3/8" Tempered Glass**
- **Available in 3 Finishes:**
  Brite Gold
  Brite Silver
  White Powder Coat
- **Available in Two Common Sizes:**
  60" W x 60" H
  60" W x 72" H



Product Benefits:
- Concealed overhead roller design allows greater glass exposure, less metal exposure
- Top hung design allows for bottom track and side jambs to remain uncluttered
- Kits include all appropriate extrusions, 24" towel bar, knob and hardware package

Our Frameless Double Slider Kits offer the quality and ease of installation demanded in today's market. Kits are provided with all extrusions necessary for installation (header, top hanger rails, bottom track and side jambs), and include 24" towel bar, knob, rollers, guide and installation hardware. The glass and silicone sealant are not provided. These units incorporate a concealed overhead roller design that provides maximum glass exposure and minimum metal exposure. The easy to clean bottom track utilizes a center mounted guide.

Kits Include:
Header (standard for 1/4", heavy duty for 3/8"), track, top hangers with rollers, wall jambs, 24" solid round towel bar, round style knob, screws, and hardware.
(Kits can be installed without wall jambs.)

Slider Kit Specifications:
Construction: extrusions and towel bar are aluminum, knob is solid aluminum
Glass Thickness: 1/4" or 3/8" tempered safety glass (Not Included)
Fabrication: towel bar is 24" center-to-center with 1/2" holes, knob requires 1/2" hole

For 1/4" Glass	UNIT PKG: ONE KIT		
Size	Gold	Silver	White
60" W x 60" H	380-0401	380-0400	380-0402
60" W x 72" H	380-0404	380-0403	380-0405

For 3/8" Glass	UNIT PKG: ONE KIT		
Size	Gold	Silver	White
60" W x 60" H	380-0407	380-0406	380-0408
60" W x 72" H	380-0410	380-0409	380-0411

Frameless Slider and Enclosure Kits

Frameless Wall Mount Hinge
KD Door Kits for 1/4" to 3/8" Tempered Glass (6mm to 10mm)



1/4" Glass
Glass Door Size: Up to 36" W x 64" H or 36" W x 72" H

Kit Includes:
Jamb with hinges attached, strike jamb, slip-on handle with magnetic latch, bottom drip with wiper, jamb seals, screws, hardware and instructions.

For 1/4" Glass	UNIT PKG: ONE KIT		
Size	Gold	Silver	White
36" W x 64" H	380-2001	380-2000	380-2002
36" W x 72" H	380-2004	380-2003	380-2005

KD Kit Specifications:
Construction: aluminum
Glass Thickness: 1/4" tempered safety glass (Not Included)
Closing Type: manual close, magnetic hold
Maximum Door Size: 36" x 72" (2 Hinges)
Fabrication: two 1" diameter holes required, 1-1/4" from edge of glass

3/8" Glass
Glass Door Size: Up to 36" W x 72" H

Kit Includes:
Jamb with 2 hinges attached, strike jamb, thru glass pull, bottom drip with wiper, jamb seals, screws and hardware.

For 3/8" Glass	UNIT PKG: ONE KIT		
Size	Gold	Silver	White
36" W x 72" H	380-2019	380-2018	380-2020

KD Kit Specifications:
Construction: aluminum
Glass Thickness: 3/8" tempered safety glass (Not Included)
Closing Type: manual close with positive seal
Maximum Door Size: 36" x 72" (2 Hinges)
Fabrication: cut-outs required for hinges, two 1/2" holes for pull

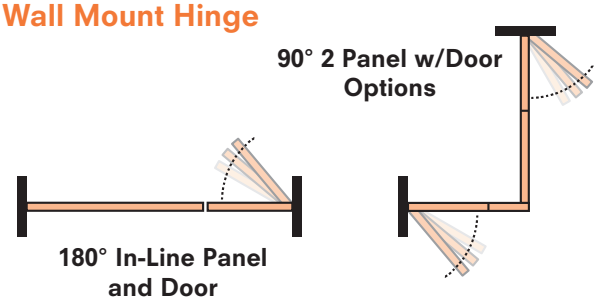
Frameless Dual Configuration
Enclosure Kits - 1/4"

Possible Configurations:
180° In-Line Panel and Door - 60" x 72"
90° Panel and Door - 36" x 48" x 72"

Our frameless Dual Configuration kits include all the necessary components to fabricate an in-line panel and door configuration or 2 panels with a door in a 90° configuration, with either 2 wall mount hinges or 2 glass-to-glass hinges.

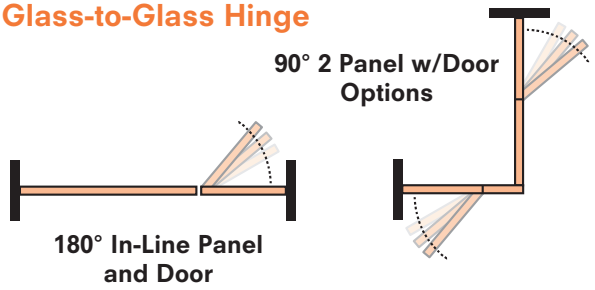
Kits Include: All extrusions, hinges, hardware, instructions and cut-out template.

Wall Mount Hinge



	UNIT PKG: ONE KIT		
	Gold	Silver	White
90°	380-2007	380-2006	380-2008
180°	380-2010	380-2009	380-2011

Glass-to-Glass Hinge



	UNIT PKG: ONE KIT		
	Gold	Silver	White
90°	380-2013	380-2012	380-2014
180°	380-2016	380-2015	380-2017

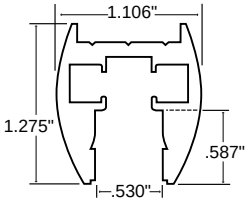
Dual Configuration Kit Specifications:
Construction: aluminum
Glass Thickness: 1/4" tempered safety glass (Not Included)
Closing Type: manual close, magnetic hold
Maximum Door Size: 36" x 72" (2 Hinges)
Fabrication: 1" diameter holes required, 1-1/4" from edge of glass

Frameless Shower Door Header Systems

Frameless Shower Door Header Systems

Somaca Frameless Header Systems offer a graceful elegance combined with the maximum in structural support for enclosures not fastened to the ceiling. The Apollo and Euro Style are both designed to wet glaze onto 1/2" tempered glass or vinyl glaze onto 3/8" tempered glass.

Euro Style



- **For 3/8" & 1/2" Tempered Glass**
- **Available in 5 Finishes**
- **Sold in 12' Stock Lengths**

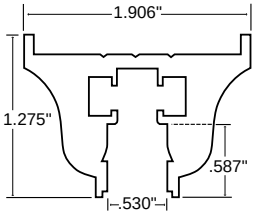


Slick, smooth styling makes the Euro Header the high fashion choice for today's up-to-date, contemporary bathrooms.

Header Specifications:
Construction: Aluminum
Glass Thickness: 3/8" and 1/2" tempered glass (Not Included)
Glass Penetration: 1/2" glass, allow 9/16"
3/8" glass, allow 1/2"

EURO HEADER - UNIT PKG: ONE 12' LENGTH				
Brite Silver	Gold	White	Satin Silver	Brushed Nickel
380-0012	380-0032	380-0809	380-0810	380-0808

Apollo Style



- **For 3/8" & 1/2" Tempered Glass**
- **Available in 5 Finishes**
- **Sold in 12' Stock Lengths**

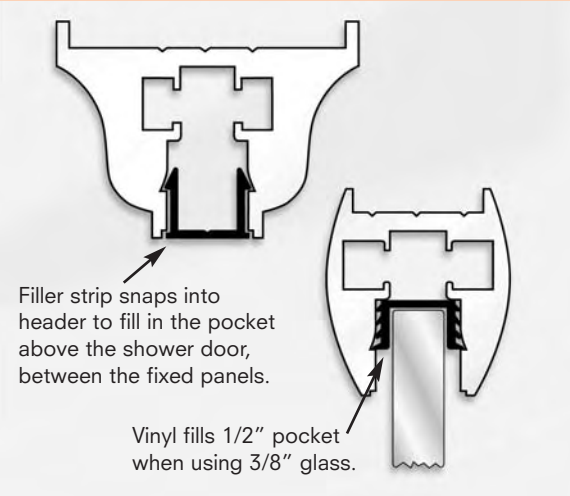


The unique, heavy profile of the Apollo Header provides maximum strength and unmatched beauty to the traditional shower enclosure.

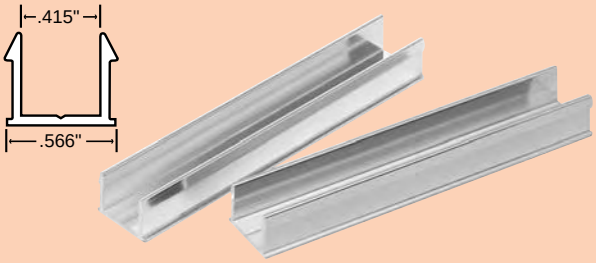
Header Specifications:
Construction: Aluminum
Glass Thickness: 3/8" and 1/2" tempered glass (Not Included)
Glass Penetration: 1/2" glass, allow 9/16"
3/8" glass, allow 1/2"

APOLLO HEADER - UNIT PKG: ONE 12' LENGTH				
Brite Silver	Gold	White	Satin Silver	Brushed Nickel
380-0064	380-0065	380-0811	380-0812	380-0813

HEADER ACCESSORIES



Snap-In Filler Strip



For use with Apollo and Euro Headers. Filler strip snaps into header above door for a smooth, seamless look. Sold per length.

UNIT PKG: ONE 10'2" LENGTH				
Brite Silver	Brite Gold	White	Satin Silver	Brushed Nickel
380-0501	380-0502	380-0814	380-0815	380-0807

3/8" Vinyl



Black vinyl for use with Apollo and Euro Headers. Use with 3/8" tempered glass.

STOCK NO.	Length	UNIT PKG.
380-0513	100'	ONE ROLL
380-0521	300'	ONE ROLL

Header Anchors



For use with Apollo and Euro Headers, to fasten header to wall. 2 anchors are required per header, one for each end. Supplied with 1 #10 flat head sheet metal screw and 2 #10-24 x 3/4" pan head phillips machine screws per anchor.

STOCK NO.	Description	UNIT PKG.
380-0505	Header Anchors	ONE PAIR

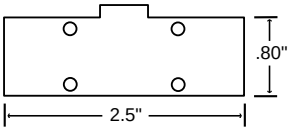
Header Connectors

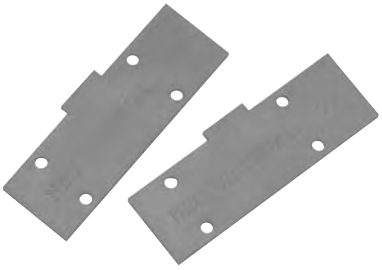


For use with Apollo and Euro Headers. 2 connectors are required per header joint. For 90° and 135° applications.

STOCK NO.	Application	UNIT PKG.
380-0509	90°	ONE PAIR
380-0517	135°	ONE PAIR

Drill Jig





Plastic hole jig for drilling connector holes in the top side of header. Designed for 90° and 135° joints. Lay it on the top side of header with locator leg on short side of cut to position holes. The slight offset allows screws to pull header joint tight, eliminating any gaps or flex.

STOCK NO.	Description	UNIT PKG.
380-0525	Plastic Jig	ONE JIG

Screws

Phillips - Pan Head





Use this screw to attach connector clips to header joints.

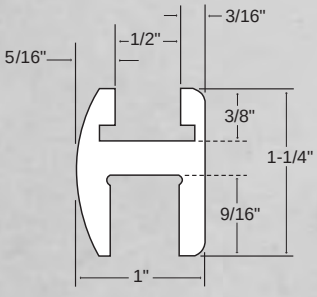
	UNIT PKG: BOX OF 100	
Size	Silver	Gold
#6 - 1/4"	380-1088	380-1089

Frameless Shower Door Header Kits

Euro-Style Header Kits

Somaca Euro-Style Header Kits contain a selection of components for in-house fabrication of frameless shower installations. Kits are available in 6 finishes.

- **For 3/8" & 1/2" Tempered Glass**
- **Aluminum Construction**
- **Available in 6 Finishes**
- **Sold in 98" Lengths for UPS Shipping**





Kit Includes:
Header, filler, wall anchors and vinyl used for 3/8" glass.

EURO-STYLE HEADER KIT - UNIT PKG: ONE KIT					
Brite Silver	**Brite Gold**	**White**	**Satin Silver**	**Brushed Nickel**	**Oil Rubbed Bronze**
380-3223	380-3219	380-3227	380-3224	380-3225	380-3226

Deluxe Euro-Style Frameless Header Kit Components

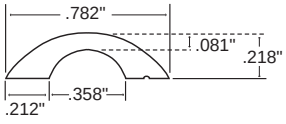
Solid Brass Brackets



These unique header components attach without the need to drill holes in the header. Allen set screws clamp the brackets securely to the header, and angled Allen set screws pull header tightly together on mitered joints.
Header Wall Mount Kit includes 2 end brackets, 2 mounting screws and Allen wrench.

STOCK NO.	Description	UNIT PKG.
380-3221	Header Wall Mount Kit	ONE KIT
380-3220	135° Header Bracket	ONE
380-3231	90° Header Bracket	ONE

Shower Door Threshold



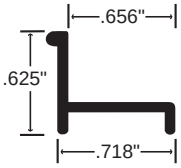


Add a stylish touch to your frameless installation with our aluminum threshold. Provides a positive contour to direct water back into the shower interior, and helps insure a continuous seal with any applied bottom wipe. Available in 12' stock lengths, in finishes to match Euro and Apollo headers.

UNIT PKG: ONE 12' LENGTH				
Brite Silver	**Brite Gold**	**White**	**Satin Silver**	**Brushed Nickel**
380-0804	380-0803	380-0805	380-0791	380-0806

Shower Door Extrusions

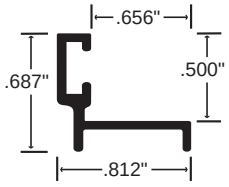
Narrow Bottom Jamb

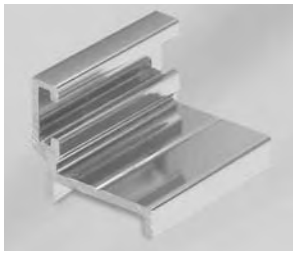




Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0556	380-0558	380-0559
16'0"	380-0560	380-0562	380-0563

Magnetic Strike

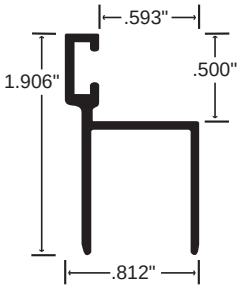




The magnetic strike jamb is used for wall mounting.

Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0572	380-0574	380-0575
16'0"	380-0576	380-0578	380-0579

Magnetic Fill Jamb

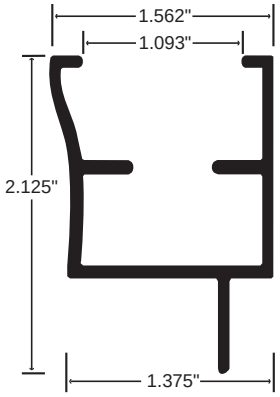




This magnetic jamb slips on to a side rail.

Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0580	380-0582	380-0583
11'10"	380-0584	380-0586	380-0587

Daylite Header



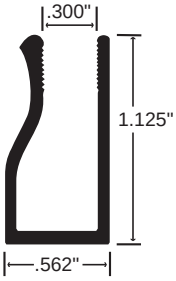


The daylite header is designed to be used with the standard framed style daylite unit.

Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0596	380-0598	380-0599
16'0"	380-0600	380-0602	380-0603

Standard Rail

The standard rail can be used as side rail on twin roll sliding enclosures and as top and bottom rail on doors and fixed panels.

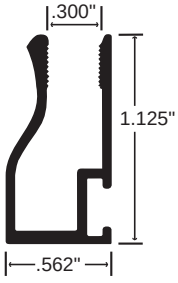


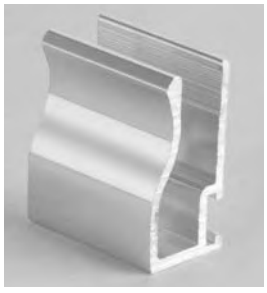


Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0500	380-0499	380-0503
11'10"	380-0504	380-0506	380-0507

Magnetic Rail

The magnetic rail is used as a side rail on magnetic closure doors.



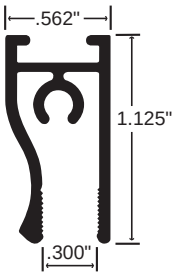


Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0508	380-0510	380-0511
11'10"	380-0512	380-0514	380-0515

Shower Door Extrusions

Hanger Rail

This rail is used as the top rail on twin roll sliding door units. The mounting slot on the top allows for the mounting of a roller bracket.

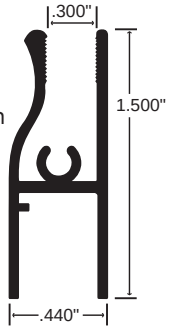




Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0516	380-0518	380-0519
16'0"	380-0520	380-0522	380-0523

E-Z Clean Rail

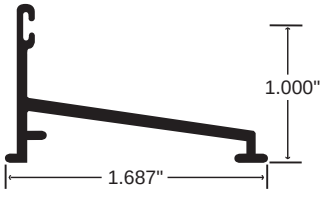
Used as a bottom rail on twin roll sliding door sets, the E-Z Clean rail has a guide slot in it for use with E-Z Clean bottom track and track guide 380-1007.





Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0524	380-0526	380-0527
16'0"	380-0528	380-0530	380-0531

E-Z Clean Track

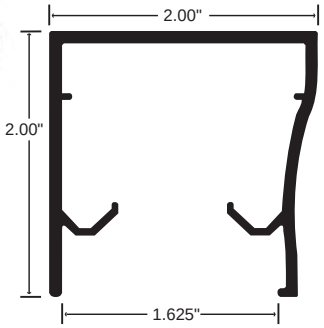




Designed for use with 380-1007 track guide and E-Z Clean Rail.

Length	UNIT PKG: ONE LENGTH	
	Brite Silver	Brite Gold
98"	380-0797	380-0798
15'0"	380-0801	380-0802

1/4" Twin Roll Header

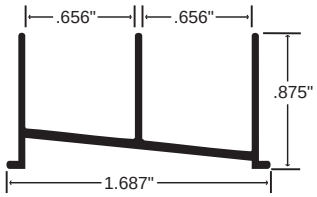




This header is designed for use with sliding panels that have a total weight of 135 lbs. or less.

Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0588	380-0590	380-0591
15'0"	380-0592	380-0594	380-0595

Standard Bottom Track

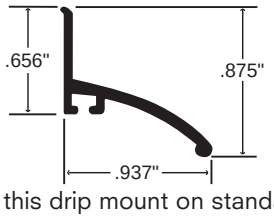




A classic design, for use with framed twin roll panels.

Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0604	380-0606	380-0607
15'0"	380-0608	380-0610	380-0611

Standard Drip



Use this drip mount on standard rail. It will accept a vinyl sweep seal.

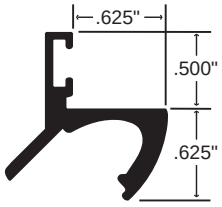


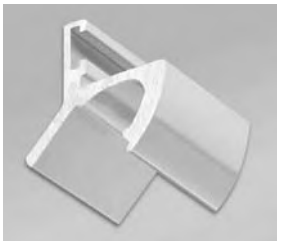
Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0716	380-0718	380-0719
16'0"	380-0720	380-0722	380-0723

Shower Door Extrusions

Magnetic 135° Post

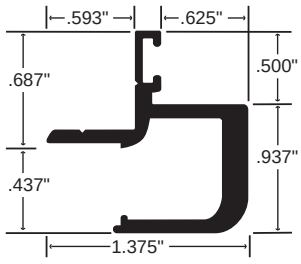
135° post for use with framed daylite units.





Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0620	380-0622	380-0623
11'10"	380-0624	380-0626	380-0627

Magnetic 90° Post

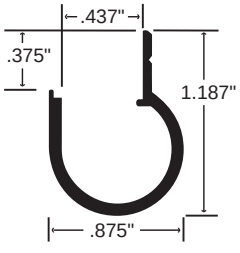




90° post for use with framed daylite units.

Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0628	380-0630	380-0631
11'10"	380-0632	380-0634	380-0635

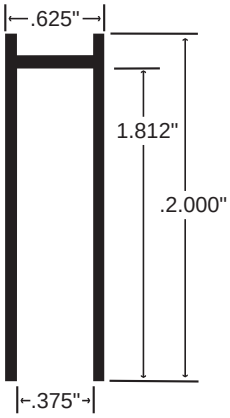
Universal Post





Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0636	380-0638	380-0639
11'10"	380-0640	380-0642	380-0643

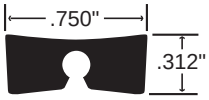
2" Filler Stock





Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0692	380-0694	380-0695
10'0"	380-0696	380-0698	380-0699

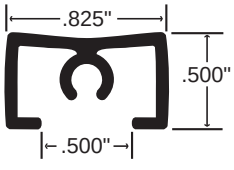
Standard Towel Bar

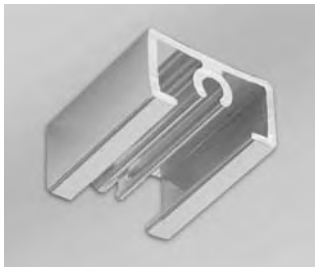




Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0700	380-0702	380-0703
16'0"	380-0704	380-0706	380-0707

Double Towel Bar





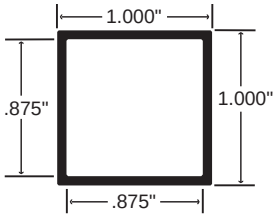
Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0708	380-0710	380-0711
16'0"	380-0712	380-0714	380-0715

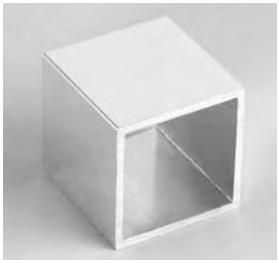
Shower Door Extrusions

Tube Sections

The following tube sections can be used as corner posts.

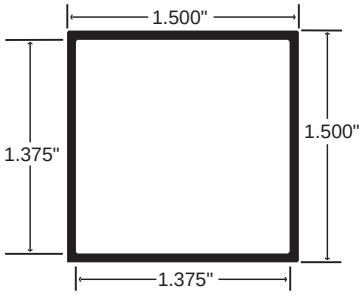
1" x 1" Tube





Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0652	380-0654	380-0655
11'10"	380-0656	380-0658	380-0659

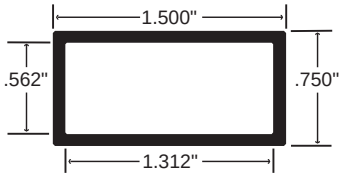
1-1/2" x 1-1/2" Tube





Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0644	380-0646	380-0647
11'10"	380-0648	380-0650	380-0651

3/4" x 1-1/2" Tube





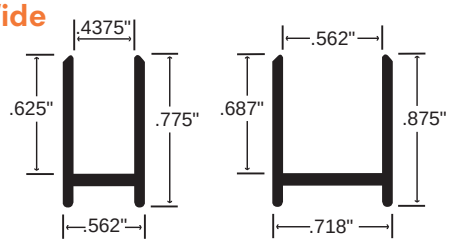
Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0660	380-0662	380-0663
11'10"	380-0664	380-0666	380-0667

U-Channel



These glazing channels are for use on frameless units.

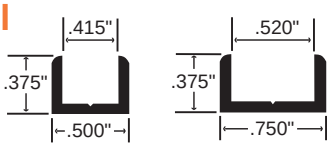
Curb U-Channel
3/8" & 1/2" Wide



Width	UNIT PKG: ONE 98" LENGTH		
	Satin Silver	Brite Silver	Brite Gold
3/8"	--------	380-0670	380-0671
1/2"	380-0540	380-0542	380-0543

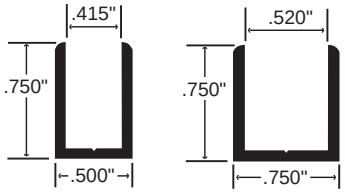
Width	UNIT PKG: ONE 12'0" LENGTH		
	Satin Silver	Brite Silver	Brite Gold
1/2"	380-0544	380-0546	380-0547

Shallow U-Channel
3/8" & 1/2" Wide



Width	UNIT PKG: ONE 98" LENGTH		
	Brite Silver	Brite Gold	White
3/8"	380-0674	380-0675	380-0676
1/2"	380-0679	380-0680	380-0681

Deep U-Channel
3/8" & 1/2" Wide



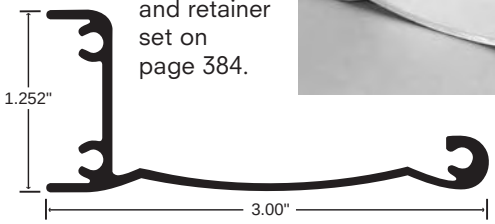
Width	UNIT PKG: ONE 98" LENGTH		
	Brite Silver	Brite Gold	White
3/8"	380-0684	380-0685	380-0686
1/2"	380-0689	380-0690	380-0691

Shower Door Extrusions

Pivot Wall Jamb

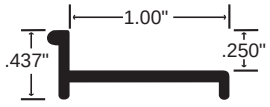
This pivot jamb is used with the pivot bracket and retainer set on page 384.

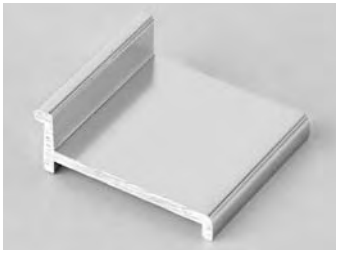




Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0548	380-0550	380-0551
16'0"	380-0552	380-0554	380-0555

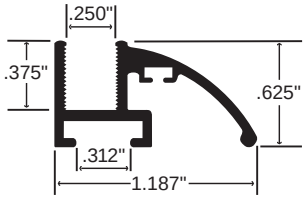
Pivot Bottom Jamb

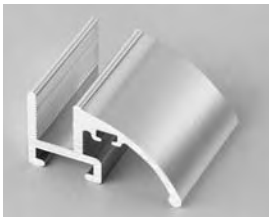




Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0564	380-0566	380-0567
16'0"	380-0568	380-0570	380-0571

1/4" Frameless Drip Rail





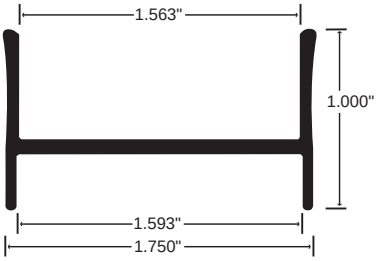
Used on pivot style units, this drip rail has a slot for an adjustable pivot bolt.

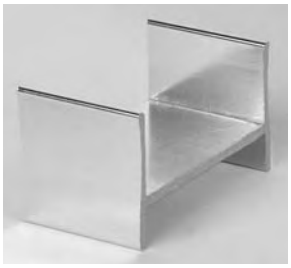
Length	UNIT PKG: ONE LENGTH	
	Brite Silver	Brite Gold
98"	380-0765	380-0766
16'0"	380-0769	380-0770

Twin Roll Jamb

Use for 1/4" and 3/8" Frameless Slider

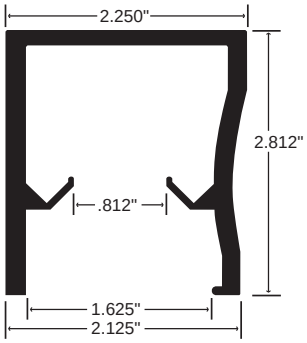
The twin roll wall jamb is used as the upright wall receiver for the sliding panels.





Length	UNIT PKG: ONE LENGTH		
	Satin Silver	Brite Silver	Brite Gold
98"	380-0532	380-0534	380-0535
12'0"	380-0536	380-0538	380-0539

3/8" Twin Roll Header



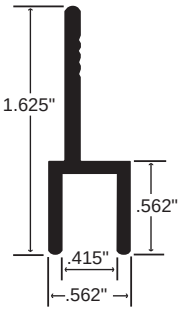


This header is designed for use with sliding panels that have a total weight of 200 lbs. or less.

Length	UNIT PKG: ONE LENGTH	
	Brite Silver	Brite Gold
98"	380-0789	380-0790
15'0"	380-0793	380-0794

3/8" Twin Roll Hanger

The twin roll hanger bonds full length to the top of a frameless lite of glass for use in a twin roll unit. The hanger is designed to be slotted for the mounting of the rollers.



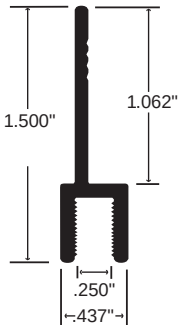


Length	UNIT PKG: ONE LENGTH	
	Brite Silver	Brite Gold
98"	380-1033	380-1037
16'0"	380-1034	380-1038

Shower Door Extrusions

1/4" Frameless Hanger

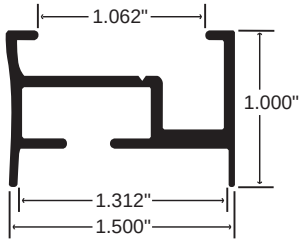
This frameless hanger bonds full length to the top of a lite of glass for use in a twin roll unit. The hanger is designed to be slotted for the mounting of the rollers.

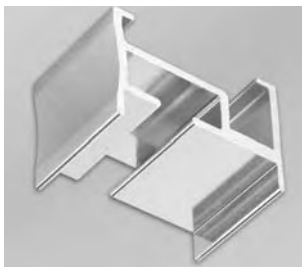




Length	UNIT PKG: ONE LENGTH Brite Silver	Brite Gold
98"	380-0773	380-0774
16'0"	380-0777	380-0778

Frameless Header

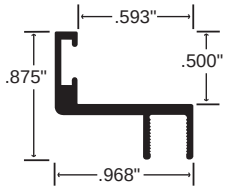




Designed for use on 1/4" frameless glass units.

Length	UNIT PKG: ONE LENGTH Brite Silver	Brite Gold
98"	380-0757	380-0758
16'0"	380-0761	380-0762

Magnetic Strike



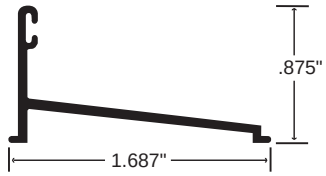


For use on glass-to-glass closures. This extrusion will bond to 1/4" glass only. There is an insert groove for a magnet.

Length	UNIT PKG: ONE LENGTH Brite Silver	Brite Gold
98"	380-0749	380-0750
12'0"	380-0754	380-0755

E-Z Clean Bottom Track

1/4" and 3/8"



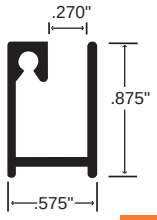


The E-Z Clean Bottom Track can be used with either framed or 1/4" and 3/8" frameless track guides.

Length	UNIT PKG: ONE LENGTH Satin Silver	Brite Silver	Brite Gold
98"	380-0612	380-0614	380-0615
15'0"	380-0616	380-0618	380-0619

Frameless Adapter Rail

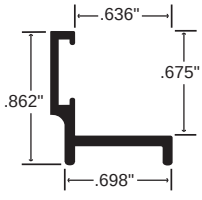
Used as wall jamb and bottom rail for fixed panels in 1/4" dual configuration kits. Panels are wet glazed using clear setting blocks and clear silicone. Available in 12' stock lengths or 98" cut length.

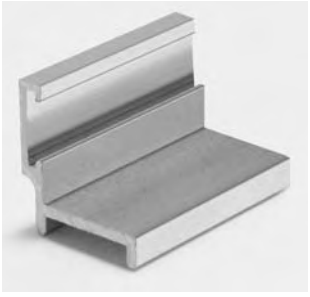




Length	UNIT PKG: ONE LENGTH Brite Silver	Brite Gold
98"	380-0733	380-0734
12'0"	380-0737	380-0738

Wide Magnetic Strike





Receives large bulb seal 380-1094. Combines large bulb seal and magnetic catch to act as strike jamb on 1/4" frameless doors.

Length	UNIT PKG: ONE LENGTH Brite Silver	Brite Gold
98"	380-2054	380-2055
12'0"	380-2056	380-2057

Shower Door Polycarbonate Extrusions

Frameless Shower Door Clear Polycarbonate/PVC Extrusions

Minimize Overspray and Leakage from Shower Enclosures

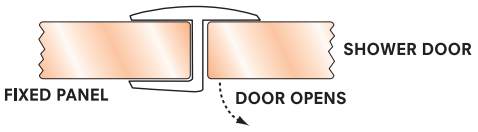
- **Sold in 98" Lengths**
- **Polycarbonates Packaged in Polybag Sleeves**

Polycarbonates/PVC, Vinyl Seals and Edge Wipes help to control water escape from your shower installation. Available for a variety of applications, their transparent appearance blends in with the all glass look of the enclosure.

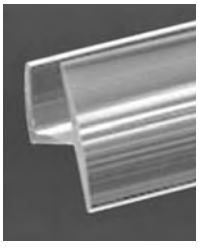


"H" Jamb

For 180° In-Line Applications



"H" Jamb is a clear, rigid polycarbonate extrusion that acts as a door stop in 180° in-line installations. The extrusion snaps onto fixed panel or door. Sizes available for 1/4", 3/8" and 1/2" tempered glass.



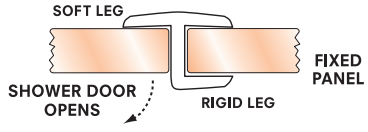
1/4"	3/8"	1/2"
380-0000	380-0002	380-0003

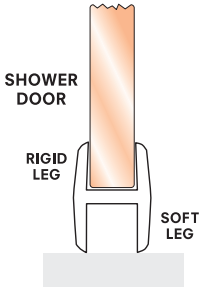


"H" Wipe

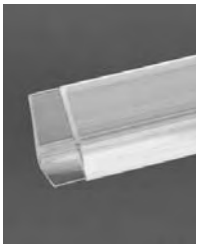
Multi-Purpose Polycarbonate

"H" WIPE WITH TRIMMED LEG





Clear co-extrusion with 2 rigid legs and 2 flexible legs. It can be used as a bottom seal, or trimmed to act as H jamb or vertical door seal. Sizes available for 1/4" and 3/8" tempered glass.

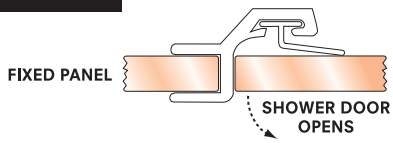


1/4"	3/8"
380-0005	380-0007

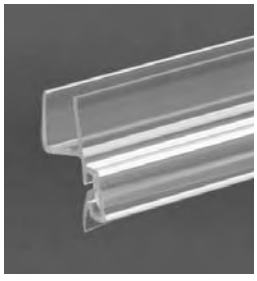


180° Polycarbonate

For Strike and Door Jamb

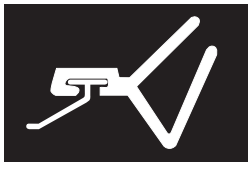


This clear, rigid polycarbonate extrusion has a flexible insert seal that acts as a door seal when snapped onto fixed panel for in-line installations. Available for 3/8" tempered glass.

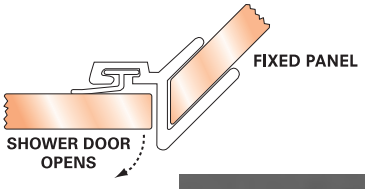


3/8"
380-0017

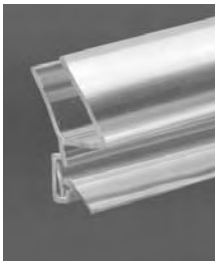
135° Polycarbonate



For Door Strike Jamb



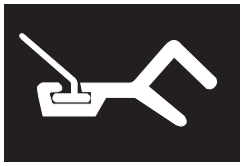
A clear, rigid polycarbonate extrusion with flexible insert seal that acts as door strike jamb when snapped onto mitered fixed panel in 135° neo-angle installations. Available for 3/8" tempered glass.



3/8"
380-0027

Shower Door Polycarbonate Extrusions

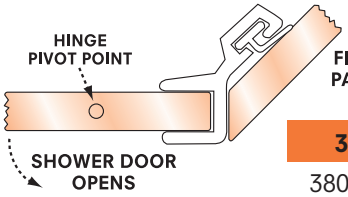
Clear POLYCARBONATE/PVC EXTRUSIONS



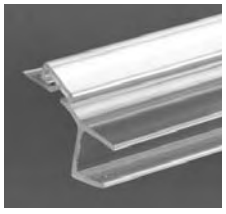
135° Polycarbonate

For Door Jamb

A clear, rigid polycarbonate extrusion with flexible insert seal snaps onto hinge side of door to seal the shower door to fixed panel in 135° neo-angle installations. For 3/8" tempered glass.



3/8"
380-0037

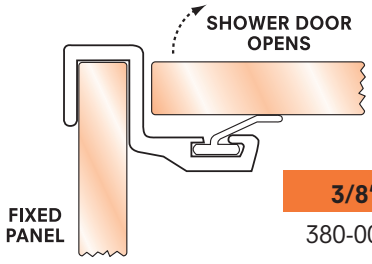




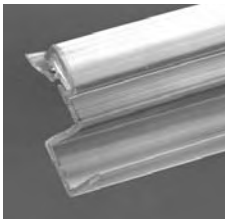
90° Polycarbonate

For Door Strike Jamb

Clear, rigid polycarbonate extrusion with flexible insert seal snaps onto fixed panel and acts as door strike in 90° installations. Available for 3/8" tempered glass.



3/8"
380-0047

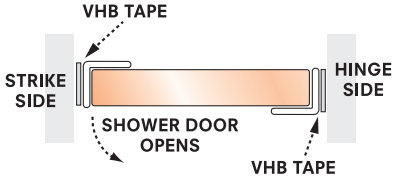


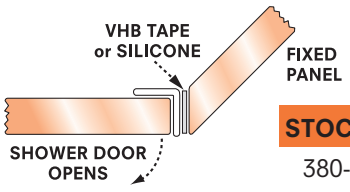
Angle Jamb Polycarbonate



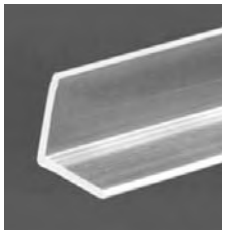
For Hinge and Strike Jamb

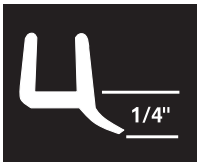
This clear, 1/2" x 1/2" polycarbonate angle is applied with VHB tape (Stock No. 200-4448) to wall or glass. Acts as strike jamb or hinge seal in a variety of installations. Angle jamb is suitable for 1/4", 3/8" and 1/2" tempered glass.





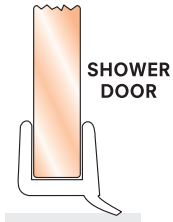
STOCK NO.
380-0050

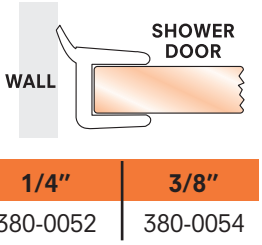




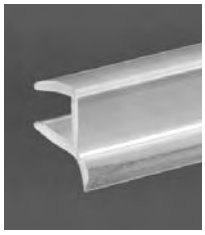
Dual Durometer PVC Seal & Wipe

This soft lip, clear PVC extrusion works as either door bottom wipe or as seal in vertical applications. Available for 1/4" and 3/8" tempered glass.

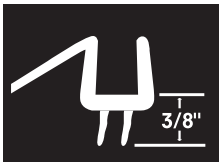


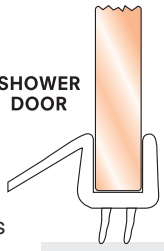


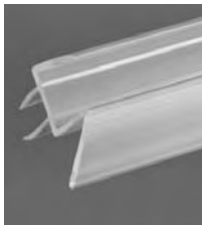
1/4"	3/8"
380-0052	380-0054



Bottom Wipe with Drip Rail



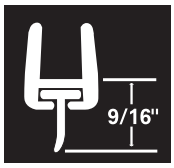


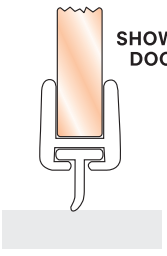


Bottom Wipe is a clear, co-extrusion that snaps onto the bottom of shower. Flexible fingers form a water-tight seal, while the rigid drip rail directs water back into the shower. Available for 1/4", 3/8" and 1/2" tempered glass.

1/4"	3/8"	1/2"
380-0057	380-0059	380-0060

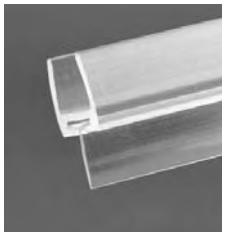
Bottom Rail Polycarbonate





This clear, rigid polycarbonate rail with flexible "T" wipe insert snaps onto bottom of door and acts as a seal and wipe. Available for 3/8" and 1/2" tempered glass.

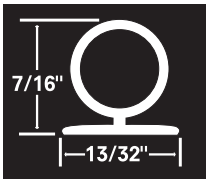
3/8"	1/2"
380-0069	380-0070

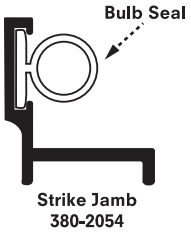


Shower Door Polycarbonate Extrusions

Clear POLYCARBONATE/PVC EXTRUSIONS

Large Translucent Bulb Seal

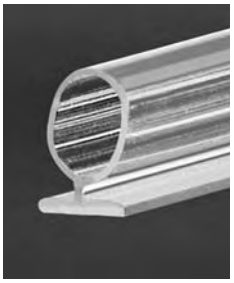




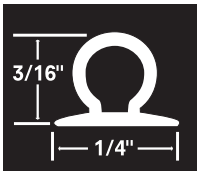
Clear seal has 13/32" wide rigid back with 7/16" tall bulb. Designed to slide into our wide magnetic strike jamb 380-2054. Used for 1/4" framed and frameless kits, or apply without extrusion with VHB tape. Stock length is 80".

7/16" Bulb

380-1094

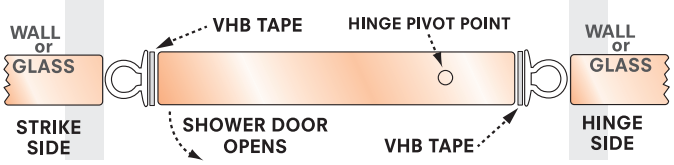


Small Translucent Vinyl Bulb Seal

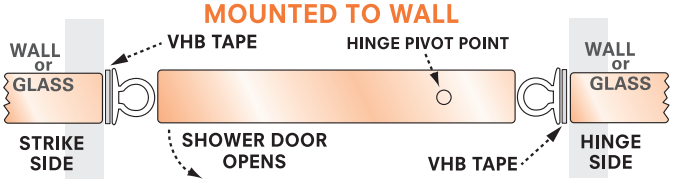


For Two Way Doors

MOUNTED TO GLASS



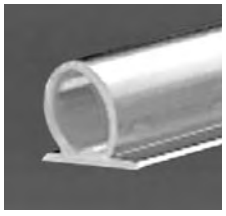
MOUNTED TO WALL

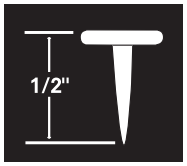


Bulb Seal's rigid 1/4" flat surface attaches to glass or wall with VHB tape (Stock No. 200-4440) to close gaps from 1/8" to 3/16" on inswing or outswing doors.

3/16" Bulb

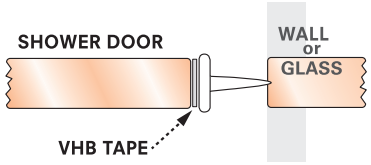
380-0076

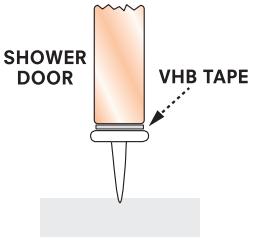




Vinyl Edge Seal

For Inswing and Outswing Doors

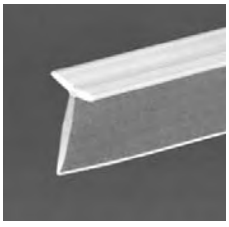


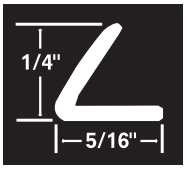


Flexible 7/16" leg with 5/16" rigid back attached with VHB tape (Stock No. 200-4440). Seal gaps up to 7/16". Can be trimmed for smaller gaps.

STOCK NO.

380-0074

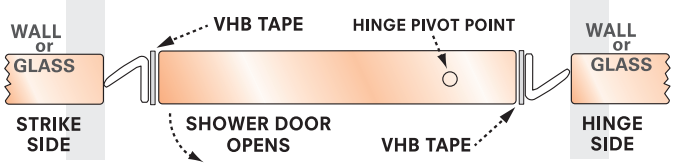




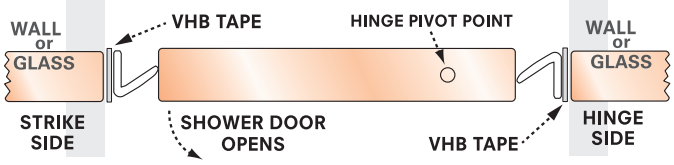
Vinyl Edge "V" Seal

For One Way Outswing Doors

MOUNTED TO GLASS



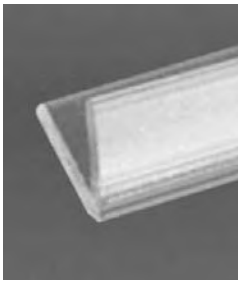
MOUNTED TO WALL



Translucent "V" shaped edge seal with rigid 5/16" back. When applied with VHB tape (Stock No. 200-4440), it seals single directional doors to glass or wall. Door closes into soft vinyl leg. Edge seal closes gaps of 3/16" to 1/4".

STOCK NO.

380-0077



Shower Supply Nylon Rollers

7/8" Flat Rollers

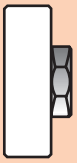
A 7/8" diameter, flat profile roller, for use in 1/4" twin roll frameless enclosures. Ball bearing axles with a round fitting. Screws furnished.



STOCK NO.	UNIT PKG.
380-1001	10



7/8" rollers are mounted on ball bearing axles, with a hex head fitting. Furnished with phillips BH machine screws.

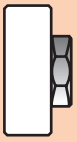


STOCK NO.	UNIT PKG.
347-6812	2



3/4" Flat Rollers

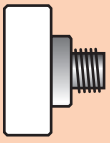
3/4" rollers are mounted on ball bearing axles, with a hex head fitting. Furnished with phillips BH machine screws.



STOCK NO.	UNIT PKG.
347-6803	2



3/4" flat profile rollers on ball bearing axles, furnished with hex nuts.



STOCK NO.	UNIT PKG.
347-6834	2



7/8" Rounded Rollers

A 7/8" diameter, rounded profile roller, for use in 1/4" framed and 3/8" frameless enclosures. Ball bearing axles with a round fitting. Screws furnished.



STOCK NO.	UNIT PKG.
380-1000	10



7/8" rollers are mounted on ball bearing axles, with a hex head fitting. Furnished with phillips BH machine screws.



STOCK NO.	UNIT PKG.
347-6802	2



3/4" Rounded Roller

3/4" rollers are mounted on ball bearing axles, with a hex head fitting. Furnished with phillips BH machine screws.



STOCK NO.	UNIT PKG.
347-6801	2

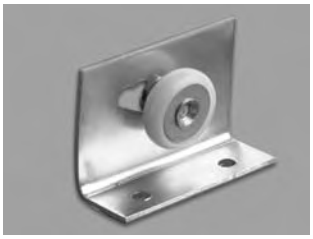


Shower Door Roller Assemblies

Metal bracket with 3/4" dia. roller. Phillips BH sheet metal screws furnished. Carded.

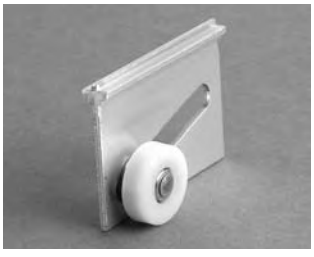
UNIT PKG: 2 SETS

STOCK NO.	Profile
347-6805	Rounded
347-6804	Flat



Metal slot bracket with 3/4" diameter flat profile roller. Screws are furnished. Carded.

STOCK NO.	UNIT PKG.
347-6807	2 SETS



31/32" Roller with Adjustable Bracket

Aluminum top hung hanger with 31/32" diameter flat profile wheel. Bracket is 1-1/2" wide. Screws furnished. Carded.

STOCK NO.	UNIT PKG.
347-1103	2 SETS



Shower Supply Hardware

Shower Roller Bracket

Roller bracket slips into hanger rail on twin roll framed units.



UNIT PKG: ONE		
Satin Silver	Brite Silver	Brite Gold
380-1062	380-1092	380-1093

Track Guide

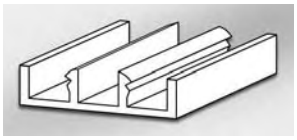
This 3" long track guide is for use with the E-Z Clean sill track. For use in framed enclosures. Natural color nylon.



STOCK NO.	UNIT PKG.
380-1003	10

Rail Guide

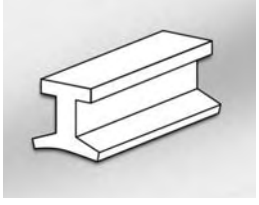
Guide snaps into rail 380-0516 when hanger rail is glazed at top and bottom of framed sliding panels. It centers panels in standard bottom rail 380-0604. Two guides are required per panel. Natural color nylon.



STOCK NO.	UNIT PKG.
380-1004	10

Frameless Track Insert

Slips into groove on E-Z Clean frameless track. Keeps glass from rubbing aluminum wall. Natural color nylon.



UNIT PKG: ONE LENGTH	
STOCK NO.	Length
380-1005	72"

Frameless Track Guide

A 1-1/2" wide bottom track guide for 1/4" or 3/8" frameless enclosures. Gray nylon.



STOCK NO.	For	UNIT PKG.
380-1006	1/4"	10
380-1046	3/8"	10

Framed Track Guide

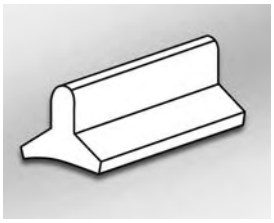
This 1" track guide is for use with E-Z Clean framed enclosure track, and E-Z Clean bottom rail. Natural color nylon.



STOCK NO.	UNIT PKG.
380-1007	10

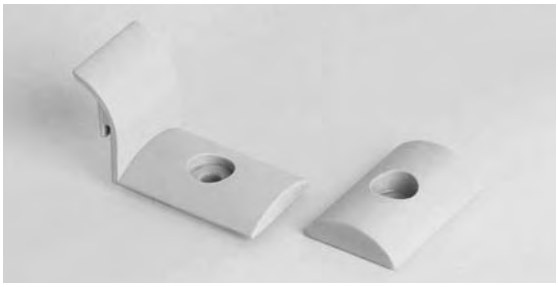
Track Insert

Track insert slips into groove on E-Z Clean framed track to prevent panel from rubbing aluminum wall. Natural color nylon.



UNIT PKG: ONE LENGTH	
STOCK NO.	Length
380-1009	72"

Wing Guide and Bumper Kit



The wing guide is used as an intermediate bumper on framed or frameless twin roll enclosures. Also guides panels inside jambs. The plastic bumper is for twin roll frameless enclosures. Used in conjunction with wing guides. Kit consists of 2 wing guides and 2 bumpers.

UNIT PKG: ONE KIT	
White	Gray
380-1011	380-1008

Clear Plastic Bumper

Clear plastic bumper cushions door in twin roll framed enclosures. 3/4" diameter bumper. Set consists of bumper and screw.



STOCK NO.	UNIT PKG.
347-1935	4 SETS

Shower Door Catch

Adjustable catch has a 1-3/4" width x 3/4" length x 1/2" high stainless steel housing, with a 3/16" nylon tip.



STOCK NO.	UNIT PKG.
347-1932	1

Shower Supply Hardware

Magnets and Strike Plate

Jamb Magnet

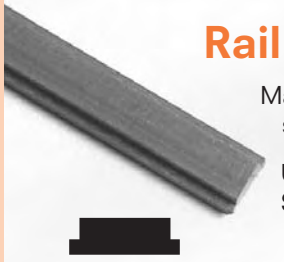


Magnet insert for strike jamb, all doors.

UNIT PKG: ONE LENGTH

STOCK NO.	Length
380-1012	98″

Rail Magnet

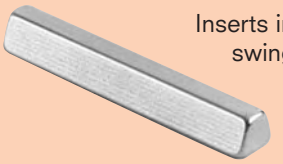


Magnet insert for fully framed swing door rails.

UNIT PKG: ONE LENGTH

STOCK NO.	Length
380-1013	98″

Pyramid Magnet



Inserts into jamb in 1/4″ frameless swing kits. 1-1/2″ long.

STOCK NO.	UNIT PKG.
380-1045	1

Magnet and Strike Plate Set



Used in 1/4″ frameless pivot doors. The magnet fits into No. 380-1029 and 380-1030 Slip-On Handles. The strike plate slips into channel on strike jambs where bulb seals are used to cushion and seal above and below the strike. Magnet length is 1-1/2″.

STOCK NO.	UNIT PKG.
380-1047	1 SET

Towel Bar Brackets

Slip-On

Slip-on double towel bar bracket for twin roll frameless enclosures.



UNIT PKG: ONE PAIR	
Brite Silver	Brite Gold
380-1035	380-1036

Screw Mounted



Screw mounted, double towel bar bracket for use in twin roll framed enclosures.

UNIT PKG: ONE PAIR		
Satin Silver	Brite Silver	Brite Gold
380-1041	380-1039	380-1040

Hanger Clip



A 4″ long pivot hanger clip for 1/4″ frameless pivot doors.

UNIT PKG: ONE	
Brite Silver	Brite Gold
380-1017	380-1018

Pivot Bushing Set



This pivot bushing set is for use on framed or frameless pivot doors. Set consists of a pair of bushings, bolts and nuts.

STOCK NO.	UNIT PKG.
380-1043	1 SET

Pivot Bracket and Retainer Set



Designed for use with pivot wall jamb, this set will work on framed or frameless panels. 4.250 x 1.315 pivot bracket mounts on top of pivot wall jamb. Set consists of bracket, retainer, bolts, bushings and retainer nuts.

UNIT PKG: ONE SET	
Brite Silver	Brite Gold
380-1019	380-1031

Shower Supply Hardware

Daylite Header Bracket



Use this bracket to secure 90° &135° joints in Daylite Header.

STOCK NO.	Angle	UNIT PKG.
380-1060	90°	1
380-1061	135°	1

Twin Roll Header Bracket



This bracket is used to secure 90° and 135° joints in twin roll header.

STOCK NO.	Angle	UNIT PKG.
380-1058	90°	1
380-1059	135°	1

Piano Hinge



Piano hinges are available in 3 lengths - 63", 70" and 82" to cover a wide range of framed shower door applications. The unique hole pattern on the end of the hinge insures adequate support in all door fabrication options.

	UNIT PKG: ONE LENGTH		
Length	Satin Silver	Brite Silver	Brite Gold
63"	380-1048	380-2040	380-2041
70"	380-1049	380-2042	380-2043
82"	380-2044	380-2045	380-2046

Wall Anchor



Clear 1/4" plastic anchor for use in tile installations.

STOCK NO.	UNIT PKG.
380-1044	100

Pop Rivets



These pop rivets are commonly used for attachment of piano hinge to framed swing doors.

	UNIT PKG: BOX OF 100	
Size	Silver	Gold
1/8" x 1/4"	380-1081	NA
1/8" x 3/8"	380-1083	380-1084

Screws

Assorted stainless steel screws for shower assembly and installation. Suggested applications are listed below.

Phillips - Flat Head

	UNIT PKG: BOX OF 100		
Size	Silver	Gold	Suggested Use:
#6 x 1/2"	380-1073	380-1074	Single Handle
#8-32 x 1/2"	380-1077	NA	Roller Assembly
#8 x 7/8"	380-1079	380-1080	Towel Bar
#10 x 1-1/2"	380-1063	380-1064	General Use
#10 x 3"	380-1065	NA	General Use
#12 x 2-1/2"	380-1067	380-1068	General Use

Phillips - Oval Head

	UNIT PKG: BOX OF 100		
Size	Silver	Gold	Suggested Use:
#8 x 1"	380-1075	380-1076	Panel Corner

Phillips - Pan Head

	UNIT PKG: BOX OF 100		
Size	Silver	Gold	Suggested Use:
#6 x 3/16"	380-1069	380-1070	Hinge/Drip Rail
#6 x 3/8"	380-1071	380-1072	Catch or Bumper

Vinyl Sweeps

"T" Sweep

"T" sweep for use with bottom rails such as standard or frameless drip rails.

UNIT PKG: ONE 50' ROLL	
Gray	Gold
380-1052	380-1053

Flat Sweep

Used for traditional surface mounting on framed shower door enclosures.

UNIT PKG: ONE 50' ROLL	
Gray	Gold
380-1050	380-1051

Glazing Vinyls

5/32"

For use on Somaca framed enclosures when using 5/32" tempered glass.
3/8" glass penetration.

UNIT PKG: ONE 50' ROLL	
Gray	Gold
380-1056	380-1057

3/16"

For use on Somaca framed enclosures when using 3/16" tempered glass.
3/8" glass penetration.

UNIT PKG: ONE 50' ROLL	
Gray	Gold
380-1054	380-1055

Shower Supply Accessories

A-MAZ Water Stain Remover

Removes Spots, Film and Crust

A-MAZ removes the toughest stains on glass - water stains, mineral deposits and sealant stains. It can also be used on all types of bathroom surfaces to remove lime scale, oxidation and soap scum. A nylon pad is provided with product.

UNIT PKG: ONE 16 OZ. CONTAINER
STOCK NO. 337-9520



Hi-Sheen Pre-Mix Glass Cleaner

An economical way to clean glass, porcelain and tile. This anti-static cleaner has a high concentration of special cleansing ingredients which repel dust, dirt, stains and film - without streaking. Hi-Sheen Pre-Mix is an excellent resale item.

UNIT PKG: ONE
STOCK NO. 337-1085, Quart Spray Bottle
STOCK NO. 337-1086, Gallon Jug





STEP 1



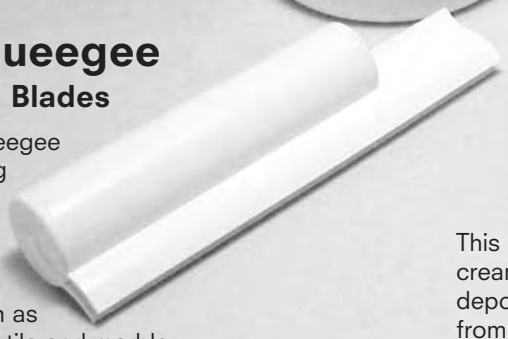
STEP 2

Shower Squeegee

Dual Wiping Blades

This unique white squeegee has supple dual wiping blades that conform to the contour of the glass or tile surface. Perfect for use on textured surfaces such as frosted shower doors, tile and marble.

UNIT PKG: ONE
STOCK NO. 236-0101



Clean-X™

Shower Cleaner - Step 1

This unique professional strength, mildly abrasive soft cream cleanser effectively removes calcium, mineral deposits, rust, lime scale, soap scum, grease and stains from glass, ceramics, porcelain and chrome. Cleaner is also excellent for kitchen use too. Read directions and caution section of label before use.

UNIT PKG: ONE 16 FL. OZ. BOTTLE
STOCK NO. 337-9511

Somaca Glass Cleaning Towels



Ideal for cleaning glass, this tough towel's two-ply construction provides superior strength and fast absorption at an economical cost per wipe. Contains 15 boxes per case, with 125 light duty wipes per box - 10-1/4" x 12" size sheets.

UNIT PKG: ONE CASE OF 15 BOXES
STOCK NO. 213-0003

Clean Shield - Step 2

Unique White Creamy Viscosity

The invisible non-stick finish that shields showers, windows, tile, sinks, tubs, counters and appliances against rust, hard water mineral deposits, soap scum, stains and spills. This product seals, polishes and protects against dulling and build up on glass, marble, porcelain, plastics, fiberglass, laminates, chrome, stainless and more.

UNIT PKG: ONE 8 FL. OZ. BOTTLE
STOCK NO. 337-9512

Vanity Mirrors for Bed and Bath

All Mirrors Feature Both True View and Magnification

The Roma



A magnificent 8" reversible magnification mirror that adds rare perfection to the bath or boudoir. The Roma is offered in a choice of two beautiful finishes: highly polished solid brass or chrome-plated solid brass.
The graceful mirror head is mounted on an adjustable swing arm that extends up to a full 18", yet stores flush to the wall when not in use. The 8" reversible head features 3 power view and normal view. The mirror turns and revolves 360° allowing a detailed and superior view from any angle.

STOCK NO.	Size	Color	UNIT PKG.
200-8933	8"	Chrome	ONE
200-8932	8"	Brass	ONE

The Capri

The Capri is a table pedestal mirror which telescopes from 17" to 23" allowing its use on any table top surface. The 8" reversible mirror head has a full 3 power magnification strength, while the reverse offers a true view mirror. It is offered in a solid brass polished and lacquered finish, or a solid brass chrome plated finish.

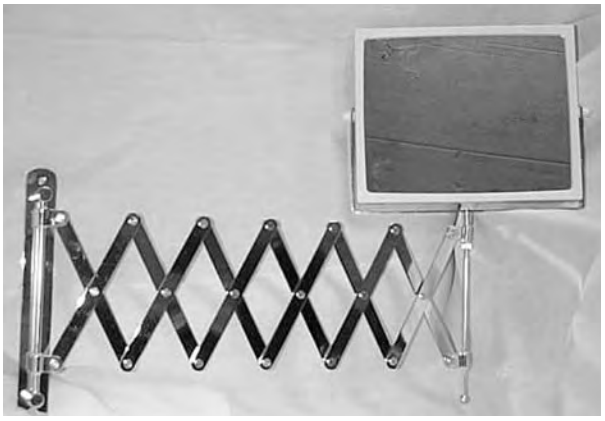


STOCK NO.	Size	Color	UNIT PKG.
200-8934	8"	Chrome	ONE
200-8935	8"	Brass	ONE

Mirror Magnification Terminology

Term	Definition
Full View	Normal View in mirror
Three Power	View is three times larger than normal at the focal point

The Paris



Both rectangular and round shapes feature true view mirror on one side and 4 power magnification on the other side. The rectangular mirror measures 6.5" x 8" and extends up to 30" from the wall. The round mirror is 8" in diameter and extends up to 24" from the wall. All packages include wall mount hardware.

STOCK NO.	Shape	Color	UNIT PKG.
307-7304	Rectangular	Chrome Plated	ONE
307-7305	Retangular	Gold Plated	ONE
307-7306	Round	Chrome Plated	ONE
307-7307	Round	Gold Plated	ONE

The Messina

Elegant Pedestal Mirrors

Beauty mixes with versatility when you see the Messina. This lovely floor pedestal mirror is both portable and adjustable - telescoping 43" to 65" - so it can be used anywhere! This mirror is also ideal for people who use a wheelchair. The 10" mirror head has a full 3 power magnification strength, while the reverse offers a true view mirror. The Messina is offered in two equally beautiful finishes: solid brass polished and lacquered, or solid brass chrome plated.



STOCK NO.	Size	Color	UNIT PKG.
200-8936	10"	Chrome	ONE
200-8937	10"	Brass	ONE

Illuminated, Single Sided Vanity Mirrors

3 Power Magnification Only

The Modern Princess

Convenience at Your Fingertips



For a sleeker modern look, this 9" mirror features a wall mounting with a clean round base.
Plugs into any 110 volt outlet. During bathroom remodeling it can be hard wired so that the cord is not visible.

STOCK NO.	Size	Color	Cord Length	UNIT PKG.
200-0896	9"	Chrome	6'	ONE
200-0897	9"	Brass	8'	ONE

Stately Princess



Lighted table pedestal mirror is both portable and adjustable. It telescopes from 17" to 23" allowing its use on virtually any table top surface. The 9" mirror head has a full 3 power strength with a radiant light surrounding it for the ultimate viewing.
The Stately Prince is offered in a solid brass polished and lacquered finish, or a solid brass chrome plated finish.

STOCK NO.	Size	Color	Cord Length	UNIT PKG.
200-0898	9"	Chrome	6'	ONE
200-0899	9"	Brass	8'	ONE

Unique Special Companion Products

Electric Mirror Defogger

Bathroom Mirror is Always Fog Free!



The electric defogger allows for immediate use of your bathroom mirror after showering. Measuring 18" x 25", it installs in minutes, fitting unnoticeably behind any mirror. Simply connect to fan, heater or light bar. Defogger uses 100 watts of power and requires 120 volts. Certified to UL standards and ETL approved. The Defogger features a ten year limited warranty.

STOCK NO.	Description	UNIT PKG.
307-7310	Electric Mirror Defogger	ONE

Closer View

Triple Power Glass Magnifying Mirror



Ideal For . . .
- Contact Lens
- Shaving
- Make Up
- Parts Inspection

A Perfect Add-On Sale for Bathroom Mirrors!
The "Closer View" Magnifying Mirror powerfully brings objects three times closer. It is 8" in diameter and secures flush against any flat, clean surface. Made of double strength glass with a clear, vinyl frame and comes with pressure sensitive mounting tape on the back. Available in a set of six mirrors packed in attractive point-of-purchase counter display or separately. Each mirror weighs 9 oz.

STOCK NO.	Size	Contents	UNIT PKG.
307-6269	8" Diameter	One Mirror	ONE
307-6270	8" Diameter	Six Mirrors	ONE DISPLAY

Glass Safety and Surveillance Mirrors

Glass Circular and Rectangular Convex Mirrors

Detection Mirrors for Any Application Can Be Special Ordered





307-6201
*"Z" Bracket

307-6202
**Channel &
"Z" Bracket





For Use Indoors in Offices, Retail Stores, Hospitals, Factories and Warehouses

180° Coverage Circular Mirrors

Rectangular Mirrors

These quality circular and rectangular glass mirrors have extruded gray plastic frames and lacquered backs. They are fabricated in the USA with high grade silvering and copper backing. The wide angle permits you to see around blind corners, over center aisles, truck bays, gondolas and into hidden storage areas. Reflectors meet requirements of OSHA.
All mirrors come with specified brackets shown above.

STOCK NO.	Size	Weight	UNIT PKG.
*307-6213	12"	6 lbs.	ONE
*307-6218	18"	8 lbs.	ONE
**307-6226	26"	15 lbs.	ONE
**307-6243	30"	19 lbs.	ONE
**307-6236	36"	30 lbs.	ONE

STOCK NO.	Size	Weight	UNIT PKG.
*307-6255	12" x 18"	8 lbs.	ONE
*307-6240	15" x 24"	12 lbs.	ONE
**307-6241	20" x 30"	25 lbs.	ONE

Replacement Brackets

STOCK NO.	Description	UNIT PKG.
*307-6201	"Z" Bracket	ONE
**307-6202	Channel and "Z" Bracket	ONE

Plexiglass Mirrors



180° Convex Outdoor Mirror

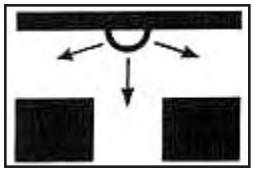
- **Withstands Weather & Sun**
- **Unbreakable - Made of High Impact Styrene**

Provides the widest viewing angle possible for this type of mirror. Strong weatherproof back. Rust fighting baked enamel on the heavy duty mounting hardware.

STOCK NO.	Diameter	Weight	UNIT PKG.
*307-6253	12"	4 lbs.	ONE
*307-6258	18"	6 lbs.	ONE
***307-6260	26"	13 lbs.	ONE
***307-6244	30"	16 lbs.	ONE
***307-6261	36"	18 lbs.	ONE
***307-6262	48"	38 lbs.	ONE

***"Z" Bracket. ***Double Channel and "Z" Bracket.**





The half dome hangs on the wall with a 180° viewing area

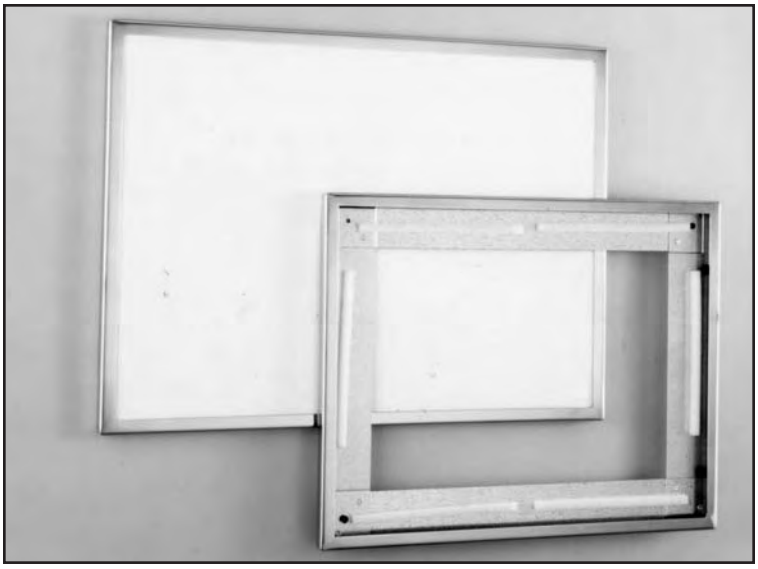
180° and 360° Panoramic Reflect-A-Domes

Ideal as a deterrent to shoplifting or where added vision is needed for safety. Made of plexi-view acrylic, offering a super bright, vacuum coated image. Lightweight domes can be suspended from the ceiling or mounted flush against the wall. Impact resistant.

STOCK NO.	Size	Type	Weight	UNIT PKG.
307-6208	18"	360° Full Dome	6 lbs.	ONE
307-6200	26"	360° Full Dome	12 lbs.	ONE
307-6209	18"	180° Half Dome	4 lbs.	ONE
307-6248	26"	180° Half Dome	7 lbs.	ONE

Meek's Theft-Proof Stainless Steel Snap Mirror Frames

Meek mirrors are easy to install but designed to be theft proof. No special installation skills are required. Fabrication speed, quick and easy installation . . . all good reasons for you to buy Meek Mirrors.



Meek Frames Have . . .

- 5/8" (16mm) face x 3/4" (19mm) depth, formed right angle welded corners and polished finish.
- 18 gauge (1.06mm) metal, type 304 non-magnetic stainless steel.
- Conforms to Class 2, Style E, Grade 1. Glass is cushioned by resilient waterproof ethafoam strips.
- 22 gauge steel, ventilated backplate.
- Equal to and conforms to applicable portions of Federal Specifications DD-M-00411.
- Theft and vandal resistant.

Fully Glazed Mirrors and Custom Sizes from 12" x 12" to 144" x 72" Available by Special Order.

FRAME FINISH: BRIGHT ALUMINUM

STOCK NO.	Frame Size	UNIT PKG.
316-1416	16" W x 20" H	ONE
316-1418	18" W x 24" H	ONE
316-1516	18" W x 36" H	ONE
316-1524	24" W x 36" H	ONE

Meek's Stainless Steel Handicap Tilt Mirror Frame



- **Full Visibility for Wheelchair Use**
- **Tilt Angle is Fixed**
- **Frame Only**

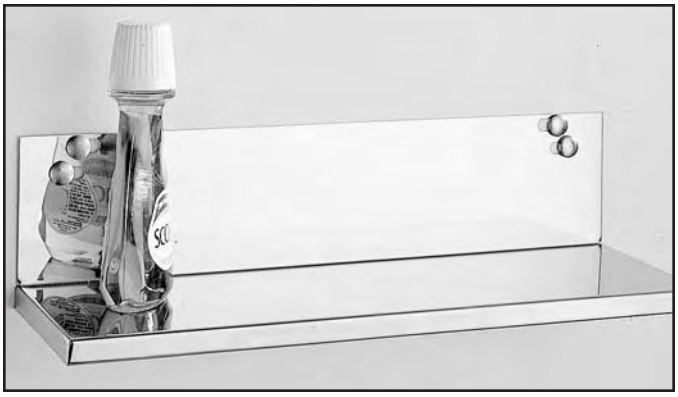
- 18 gauge (1.16mm) Type 304 stainless steel angle frame.
- Welded, ground and polished corners.
- Fixed position with completely enclosed frame from 4" (102mm) at top to 1" (25mm) at bottom.
- Snaps to galvanized steel back plate to provide theft proof mounting.

FRAME FINISH: BRIGHT SILVER

STOCK NO.	Frame Size	UNIT PKG.
316-1432	18" W x 24" H	ONE
316-1433	24" W x 36" H	ONE

Meek's Mirror Skyway Shelf

Create a Clean, Modern Display Shelf



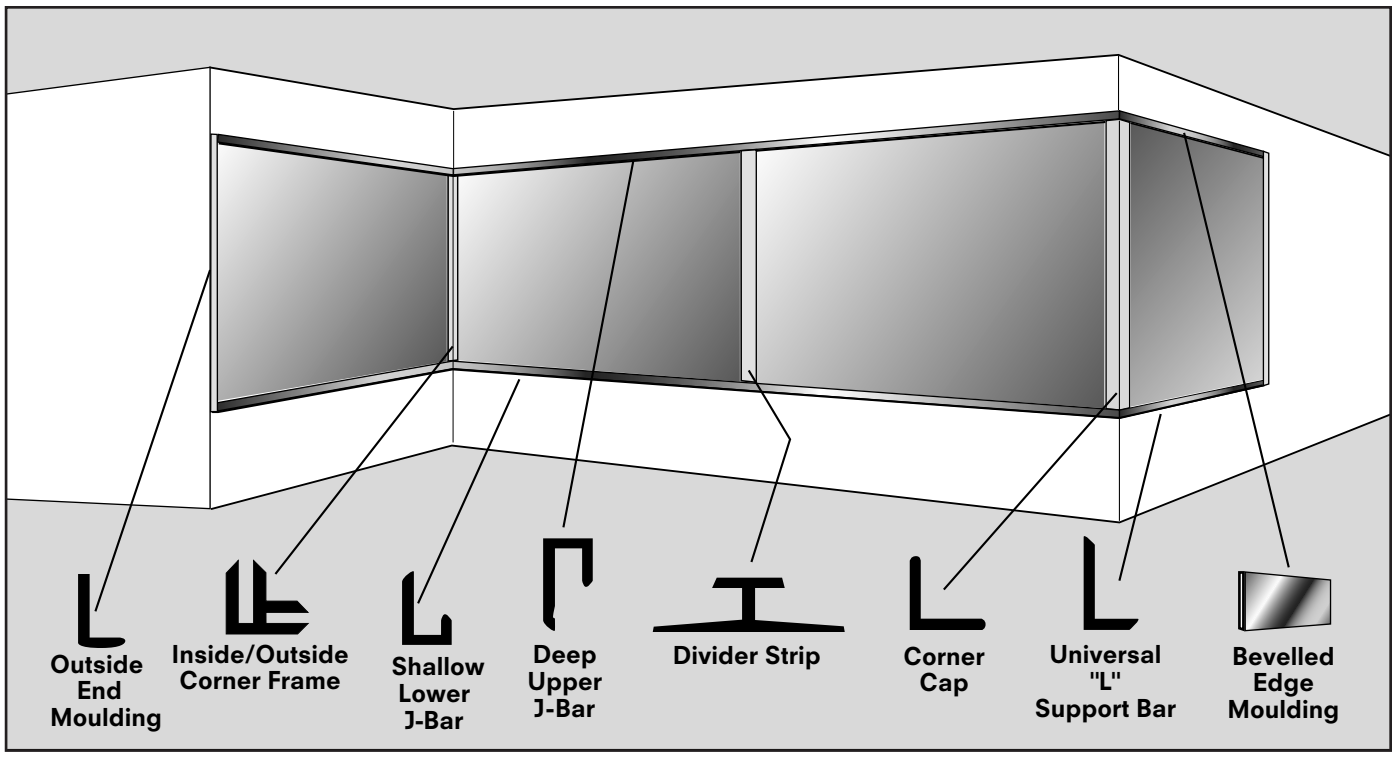
Add a 5" Meek shelf to mirror frames to display store sundries, etc. No extra work or parts are required to assemble and install.

- 18 gauge (1.16mm).
- 1/2" (13mm) drop edge, front edge hemmed.
- Mounts behind Meek Angle or Channel frames.
- Provides a 1-1/2" (38mm) backsplash between shelf surface and frame for easy cleaning of shelf.

FRAME FINISH: BRIGHT STAINLESS

STOCK NO.	Frame Size	UNIT PKG.
316-1716	5" W x 16" L	ONE
316-1718	5" W x 18" L	ONE
316-1724	5" W x 24" L	ONE

Mirror "J-Bar" Support Moulding



Applications of J-Bar and Mirror Mouldings

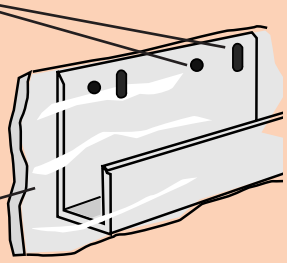
Although there is no set rule for all the uses of J-Bar and Mirror Mouldings, the diagram above shows some of the most popular applications.

Somaca Medium Gauge Aluminum J-Bar Features:

Virtually Scratch Proof
Deluxe Silver and Polished Gold J-Bar are "virtually scratch proof."

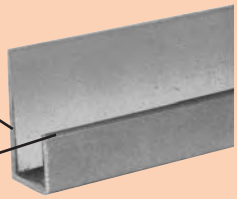


Slotted and Punched
Each piece is slotted and punched to save time starting fasteners.



Individually Poly-Sleeved
Each piece of J-Bar is protected from scratching prior to installation.

Wider
Somaca J-Bar has a full 9/32" channel which allows 1/4" mirror to easily slip in without forcing.



Bevelled Front Lip
The front of the J-Bar lip is bevelled so it blends in with the mirror.

J-Bar and Mirror Moulding Colors & Descriptions

Deluxe Silver Aluminum
Reflective Mirror-Like Finish.
Best Seller in all Extrusion Profiles.

Deluxe Polished Gold
Reflective Mirror-Like Finish. Shiny Brass.

Polished Nose Aluminum
Slightly Shiny. Polished with a Powder to Achieve the Finish.

Satin Anodized/Gold Anodized
Satin is a Dull Brushed Finish.

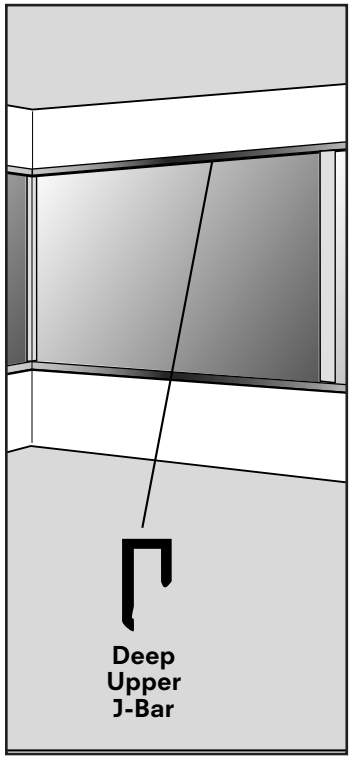
Medium Bronze
Milk Chocolate-Like Color.

Black Anodized
Shiny Black Finish.

White Powdercoat
Shiny White Finish.

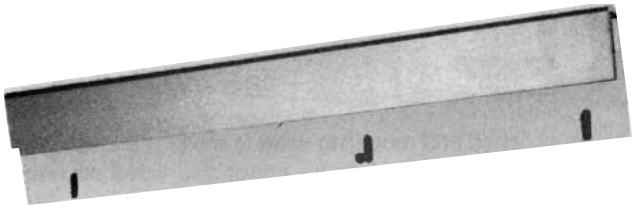
NEED A SAMPLE? CALL YOUR LOCAL SOMACA BRANCH AND WE'LL SEND YOU A COLOR PRODUCT SAMPLE.

Mirror "J-Bar" Support Moulding

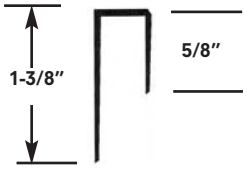


Mirror Installation Application

MEDIUM GAUGE ALUMINUM
J-Bar - 9/32" Wide Channel
Deep Nose "J" Moulding
Upper Bar



Thickness Legs & Base .050



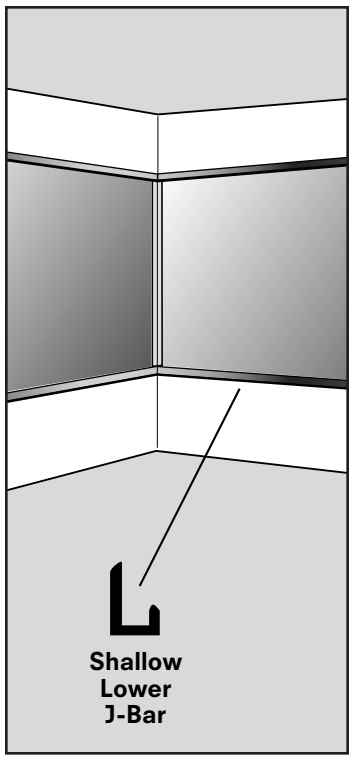
Upper J-Bar

Slotted Back with Punched Holes

STOCK NO.	Finish	Length	UNIT PKG.
316-7013	Deluxe Silver Aluminum	8'	ONE
*316-7012	Deluxe Silver Aluminum	12'	ONE
316-8112	Deluxe Polished Gold	12'	ONE
316-8008	Polished Nose Aluminum	8'	ONE
316-8012	Polished Nose Aluminum	12'	ONE
316-7812	Satin Anodized	12'	ONE
316-7914	Medium Bronze	12'	ONE
316-7912	Satin Gold Anodized	12'	ONE
200-4013	Black Anodized	12'	ONE
200-1037	White Powdercoat	12'	ONE

*** Best Seller**

• 50 Pcs. Per Case

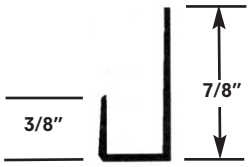


Mirror Installation Application

MEDIUM GAUGE ALUMINUM
J-Bar - 9/32" Wide Channel
Shallow Nose "J" Moulding
Lower Bar



Thickness Legs & Base .050



Lower J-Bar

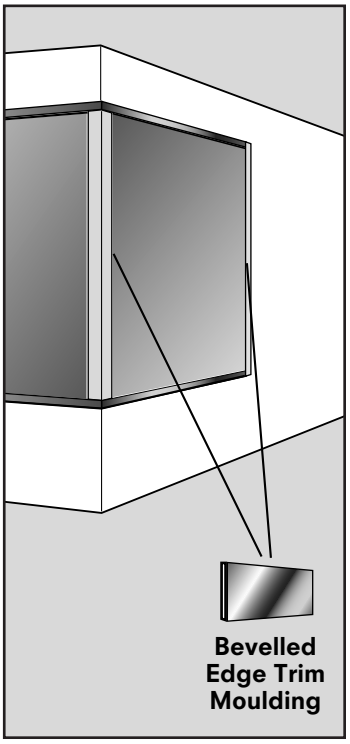
Slotted Back with Punched Holes

STOCK NO.	Finish	Length	UNIT PKG.
316-7003	Deluxe Silver Aluminum	8'	ONE
*316-7002	Deluxe Silver Aluminum	12'	ONE
316-7313	Deluxe Polished Gold	12'	ONE
316-7508	Polished Nose Aluminum	8'	ONE
316-7514	Polished Nose Aluminum	12'	ONE
316-7612	Satin Anodized	12'	ONE
316-7414	Medium Bronze	12'	ONE
316-7712	Satin Gold Anodized	12'	ONE
200-4002	Black Anodized	12'	ONE
200-1036	White Powdercoat	12'	ONE

*** Best Seller**

• 50 Pcs. Per Case

Mirrored Wall Support Mouldings



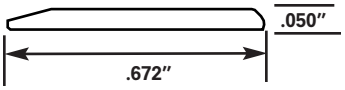
Mirror Installation Application

Aluminum Edge Molding Strip

Often Used in Place of Upper J-Bar

- **Heavy Gauge**





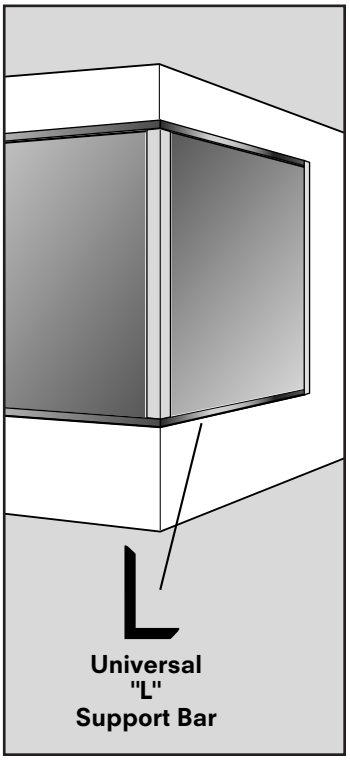
- **100 Pcs. Per Case**
- **Poly Sleeved for Protection**

Where feasible, these highly polished mouldings can be used very successfully and inexpensively. Strip can also be used to trim glass seams and joints. A few drops of 88R Somaca Silicone (335-3850), or Somaca Double Face Tape (307-7220) will hold the strips in place. Edge moulding has a bevelled face for a professional finish and is a full 5/8" wide.

SOLD PER 12' LENGTH

STOCK NO.	Finish	Width	UNIT PKG.
*316-7023	Deluxe Silver Aluminum	5/8"	ONE
316-7323	Deluxe Polished Gold	5/8"	ONE

*Best Seller

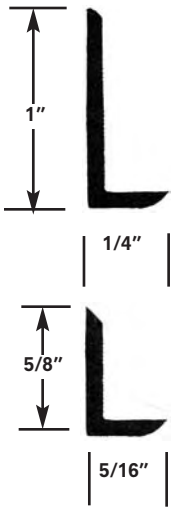


Mirror Installation Application

Universal "L" Support Bars

Heavy Gauge Aluminum
An All-Purpose Extrusion





- **Heavy Gauge (.062) for Support**
- **Offered In Two Popular Sizes**
- **100 Pcs. Per Case**
- **Poly Sleeved for Protection**

A multipurpose extruded aluminum bar used to support heavy mirrors on doors and walls, where clamps are primarily used to secure mirrors. Used on bottom of mirror for support, on top of mirror to allow for an airspace. It conceals and protects exposed mirror edges as an end cap on open walls and acts as an edge protector for glass table tops and door mirrors.

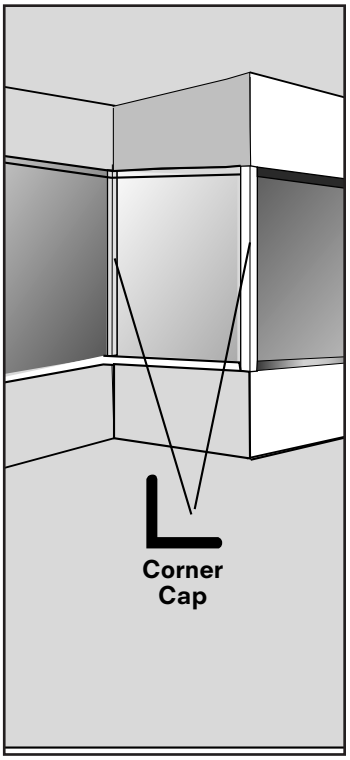
SOLD PER 12' LENGTH

STOCK NO.	Finish	Width	UNIT PKG.
*316-5010	Deluxe Silver Aluminum	1" x 1/4"	ONE
316-5012	Satin Anodized	1" x 1/4"	ONE
316-5011	Polished Nose Aluminum	1" x 1/4"	ONE
316-5017	Deluxe Polished Gold	1" x 1/4"	ONE
316-5016	Medium Bronze	1" x 1/4"	ONE

STOCK NO.	Finish	Width	UNIT PKG.
*316-5112	Deluxe Silver Aluminum	5/8" x 5/16"	ONE
316-5113	Deluxe Polished Gold	5/8" x 5/16"	ONE
316-5115	Satin Anodized	5/8" x 5/16"	ONE

*Best Seller

Mirror "J-Bar" Support Moulding



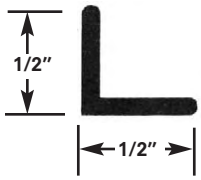
Mirror Installation Application

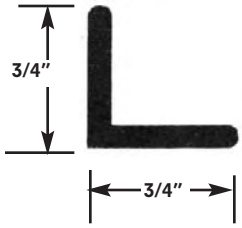
Inside/Outside Corner Cap Moulding Heavy Gauge

- 5 Finishes
- Finished Inside & Outside
- 12′ Stock Lengths
- Poly Sleeved for Protection
- 100 Pcs. Per Case



.062 Wall Thickness

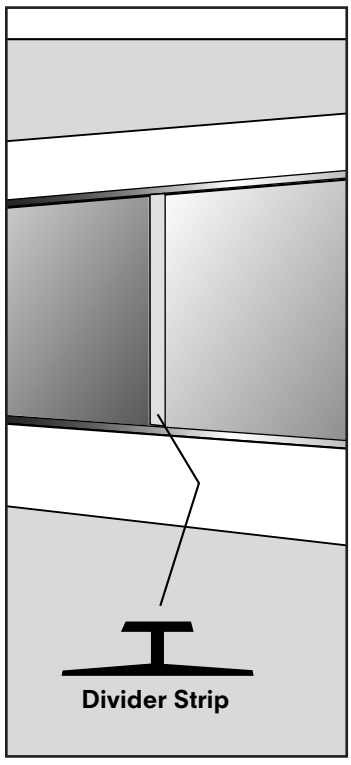




SOLD PER 12′ LENGTH

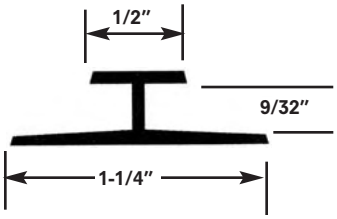
STOCK NO.	Finish	Width	UNIT PKG.
316-4182	Deluxe Silver Aluminum	1/2″x1/2″	ONE
316-4186	Polished Nose Aluminum	1/2″x1/2″	ONE
316-4180	Satin Anodized	1/2″x1/2″	ONE
316-4188	Deluxe Polished Gold	1/2″x1/2″	ONE
316-4184	Medium Bronze	1/2″x1/2″	ONE

STOCK NO.	Finish	Width	UNIT PKG.
316-4181	Deluxe Silver Aluminum	3/4″x3/4″	ONE
316-4185	Polished Nose Aluminum	3/4″x3/4″	ONE
316-4183	Satin Anodized	3/4″x3/4″	ONE
316-4187	Deluxe Polished Gold	3/4″x3/4″	ONE
316-4189	Medium Bronze	3/4″x3/4″	ONE



Mirror Installation Application

"H" Bar Divider Channels



.050 Wall Thickness



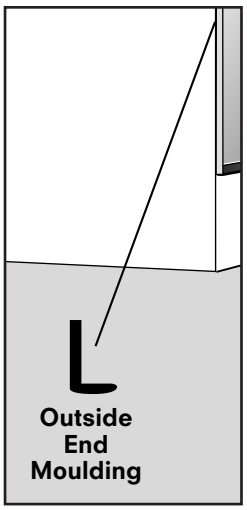
- 5 Finishes
- 12′ Stock Lengths
- Individually Poly Sleeved
- 50 Pcs. Per Case

These extruded aluminum double channels are used for the dividing of mirror panels and in conjunction with J-Bars. They make a neat trim finish and add to the structural strength when joining glass panels.

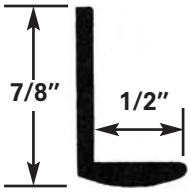
SOLD PER 12′ LENGTH

STOCK NO.	Finish	UNIT PKG.
316-8210	Deluxe Silver Aluminum	ONE
316-8213	Polished Nose Aluminum	ONE
316-8215	Satin Anodized	ONE
316-8212	Deluxe Polished Gold	ONE
316-8217	Medium Bronze	ONE

Mirror "J-Bar" Support Moulding



Outside End Moulding

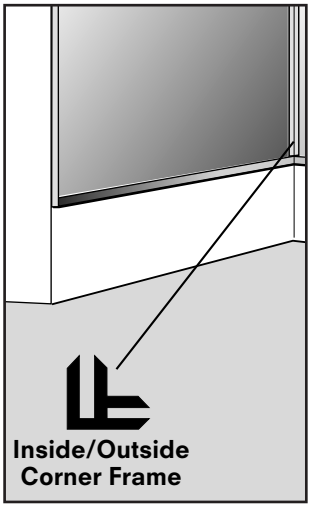




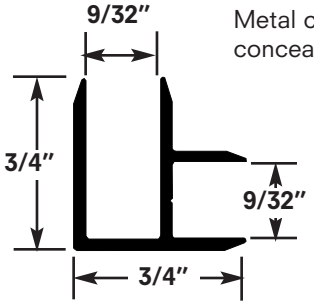
- Four Finishes
- 50 Pieces per Case
- Mirror Installation Application

A highly polished end moulding used to cover the end of the mirror and wood back framing. Also for mirror and wood exposed at the open end of wall installations.

STOCK NO.	SOLD PER 12' LENGTH Finish	UNIT PKG.
316-4172	Deluxe Silver Aluminum	ONE
316-4173	Polished Nose Aluminum	ONE
316-4175	Satin Anodized	ONE
316-4176	Deluxe Polished Gold	ONE

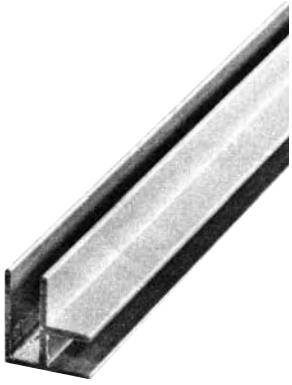


Inside/Outside Corner Cap Moulding

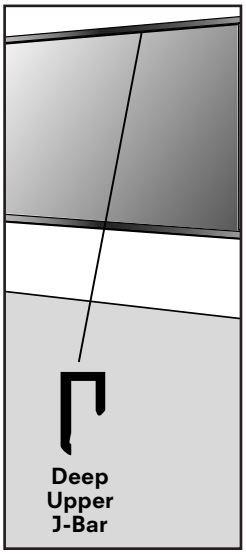


Metal cap protects exposed edges and conceals seams on mirror and glass corners.

- Four Finishes
- 50 Pieces per Case
- Mirror Installation Application
- .050 Wall Thickness

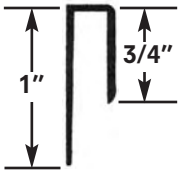


STOCK NO.	SOLD PER 12' LENGTH Finish	UNIT PKG.
316-4162	Deluxe Silver Aluminum	ONE
316-4163	Polished Nose Aluminum	ONE
316-4165	Satin Anodized	ONE
316-4166	Deluxe Polished Gold	ONE



J-Bar - 3/4" Lip

Medium Gauge Aluminum Deep Nose "J" Moulding Upper Bar Slotted Back with Punched Holes



- Three Finishes
- 50 Pieces per Case
- Mirror Installation Application
- .050 Wall Thickness



STOCK NO.	SOLD PER 12' LENGTH Finish	UNIT PKG.
316-6223	Polished Nose Aluminum	ONE
316-6226	Deluxe Polished Gold	ONE
316-6227	Deluxe Silver Aluminum	ONE

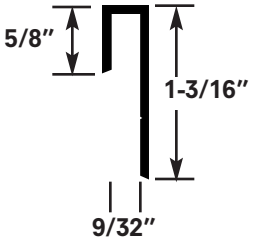
Mirror "J-Bar" Support Moulding

Economy J-Bar

J-Bar - 9/32" Wide Channel

Deep Nose "J" Moulding - Upper Bar





- .035 Leg and Base Thickness
- 50 Pieces per Case

Plain Back - Not Punched - Sleeved

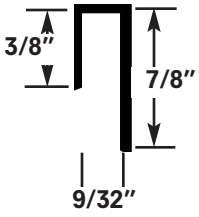
Flush mounting with deep nose designed for effortless mirror insertion and removal when used with bottom J-Bar.

SOLD PER 12' LENGTH

STOCK NO.	Finish	UNIT PKG.
200-1032	Clear Anodized	ONE LENGTH
200-1042	Bright Gold	ONE LENGTH
200-1043	Brushed Nickel Anodized	ONE LENGTH

J-Bar - 9/32" Wide Channel

Shallow Nose "J" Moulding - Lower Bar





- .035 Leg and Base Thickness
- 50 Pieces per Case

Plain Back - Not Punched - Sleeved

Flush mounting with shallow nose designed for effortless mirror insertion and removal when used with top J-Bar.

SOLD PER 12' LENGTH

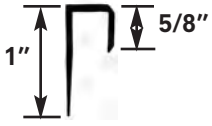
STOCK NO.	Finish	UNIT PKG.
200-1003	Clear Anodized	ONE LENGTH
200-1004	Bright Gold	ONE LENGTH
200-1005	Brushed Nickel Anodized	ONE LENGTH

Heavy Gauge

J-Bar - 9/32" Wide Channel

Deep Nose "J" Moulding - Upper Bar





- .062 Leg and Base Thickness

Plain Back - Not Punched

Flush mounting with deep nose designed for effortless mirror insertion and removal when used with bottom J-Bar.

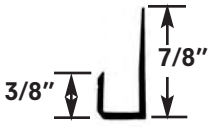
SOLD PER 12' LENGTH

STOCK NO.	Finish	UNIT PKG.
316-6312	Satin Anodized	ONE LENGTH
316-6412	Polished Nose Aluminum	ONE LENGTH

J-Bar - 9/32" Wide Channel

Shallow Nose "J" Moulding - Lower Bar





- .050 Leg and Base Thickness

Plain Back - Not Punched

Flush mounting with shallow nose designed for effortless mirror insertion and removal when used with top J-Bar.

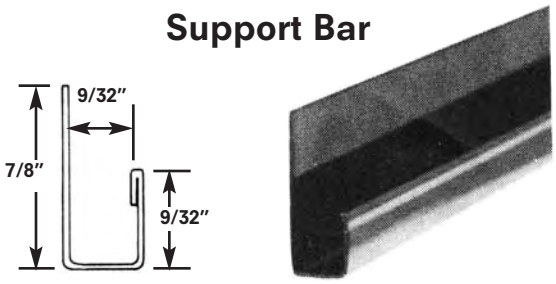
SOLD PER 12' LENGTH

STOCK NO.	Finish	UNIT PKG.
316-6012	Satin Anodized	ONE LENGTH
316-6112	Polished Nose Aluminum	ONE LENGTH

Mirror Mouldings

Stainless Steel "J" Channel

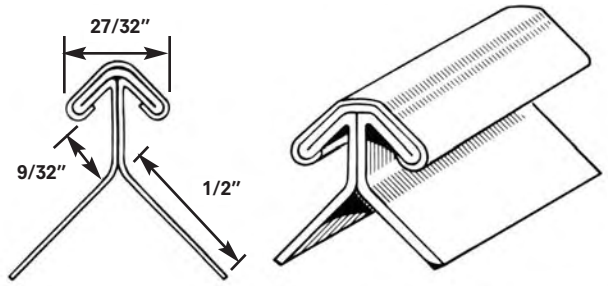
Support Bar



"J" Channel is used as a bottom support for mirror installations. For 1/4" glass installations.

STOCK NO.	Glass Thickness	Length	UNIT PKG.
316-4159	1/4"	12 ft.	ONE

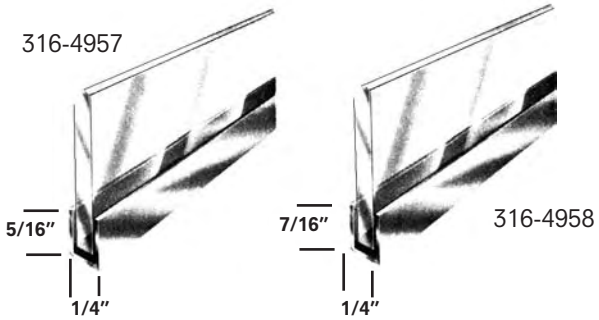
Stainless Steel Outside Corner Mirror Moulding



Outside Corner Mirror Moulding is used for installations on outside corners, square posts, etc. The use of this moulding eliminates the need for polishing edges. For 1/4" glass installations. It also adds to the strength of joints and corners.

STOCK NO.	Glass Thickness	Length	UNIT PKG.
316-4359	1/4"	12 ft.	ONE

Stainless Steel "U" Channel Protective Glass Mouldings

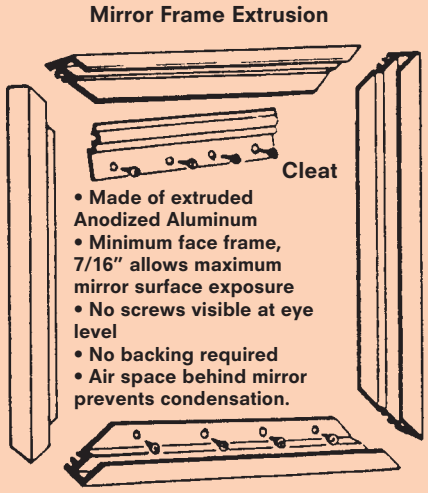


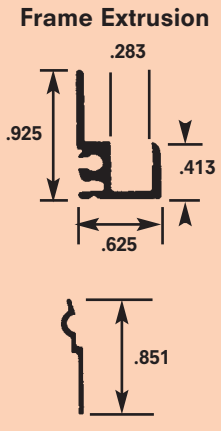
These mouldings are used to protect the edges of glass. They also provide a distinctive decorative effect on the glass when installed. The moulding has slightly tapered sides, which allows the glass to be held firmly and securely.

STOCK NO.	Finish	Depth	Glass	Lgth.	UNIT PKG.
316-4957	Stainless	5/16"	1/4"	12 ft.	ONE
316-4958	Stainless	7/16"	1/4"	12 ft.	ONE

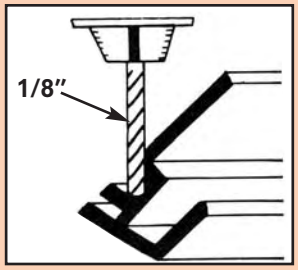
Utility Style Mirror Frame

"Make It Yourself" Custom Frames

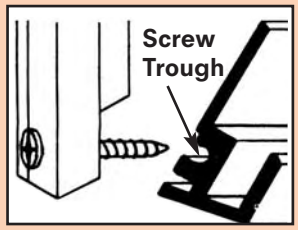




It's simple to fabricate a custom mirror frame. To assemble, cut, drill and screw sides together. The narrow frame, 7/16" wide, covers a minimum of mirror without sacrificing strength. The vertical members have no exposed screws; no holes are visible. The mirror is supported within a "channel" on the top, bottom and both sides, protecting it from breakage under normal pressure. The channel has a 9/32" wide groove for 1/8" to 1/4" mirrors. Mirrors should be cut 3/16" narrower and shorter than overall frame size. **No mirrors are furnished.**



Miter Corner and Drill



Screw Frame Together Hang on Cleat

Installation Instructions

1. Screw button member at desired position.
2. Place four pieces of tape in mirror slot (to provide same clearance as when mounted). Set mirror in bottom member holding top member tight against wall and draw line above top member.
3. Remove mirror and screw cleat parallel to line drawn but 5/8" below line.
4. Re-hang mirror (with top as desired) with flange of top member hooked behind cleat. Mirror is now fastened to wall.
5. Mount side members and fasten with 6 x 3/4" P.H. screws.

Stock Length Frame Extrusions

Extrusions used for tops, sides and bottoms of frames.

STOCK NO.	Finish	Length	UNIT PKG.
316-1680	Satin Aluminum	12'	ONE EXTRUSION
316-1682	Bright Aluminum	12'	ONE EXTRUSION

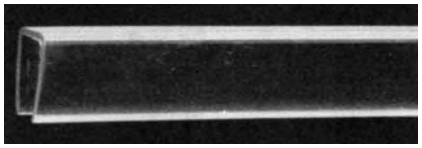
Stock Length Cleats

STOCK NO.	Finish	Length	UNIT PKG.
316-1637	Satin Aluminum	12'	ONE EXTRUSION
316-1632	Bright Aluminum	12'	ONE EXTRUSION

Plastic Edging & Trim Moulding

Clear Plastic "U" Channel Protective Glass Edging

For Shelves, Counters & Door Panels



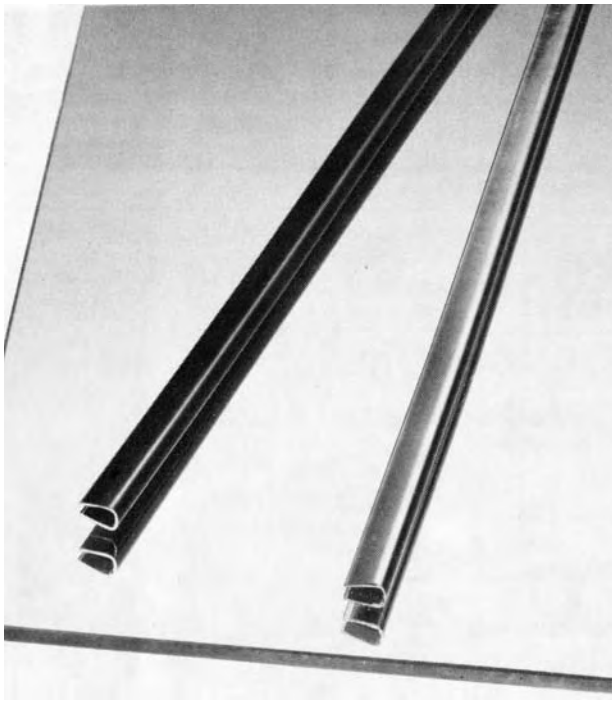
1/2" High x 1/4" Wide

Transparent, high-impact plastic channels protect glass edges. Great for chip protection on glass shelves, glass display dividers, desk tops and counter tops, and sliding showcase doors. Also useful for display, poster and graphics framing.

STOCK NO.	Finish	Glass	Length	UNIT PKG.
320-3706	Smooth	1/4"	6 ft.	ONE
320-3712	Smooth	1/4"	12 ft.	ONE

Plastic Mirror Wall Edging

Three Highly Reflective Colors

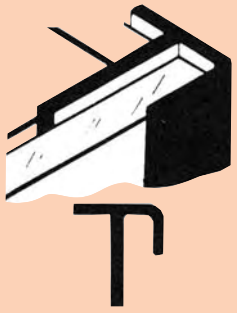


Mirrored plastic strips enhance and beautify the edges of decorative mirrors in mirrored wall installations by presenting the appearance of a fine finished edge. They are also used to cover imperfections on exposed mirror edges or as shelf edge protection.

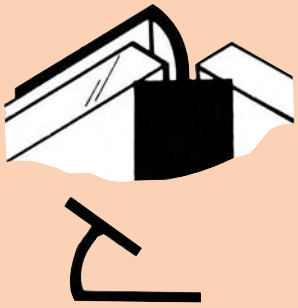
STOCK NO.	Anodized Finish	Glass	Length	UNIT PKG.
320-3775	Silver	1/4"	8 ft.	ONE
320-3776	Gold	1/4"	8 ft.	ONE
320-3777	Bronze	1/4"	8 ft.	ONE

Plastic, Reflective Mirror Trim Moulding

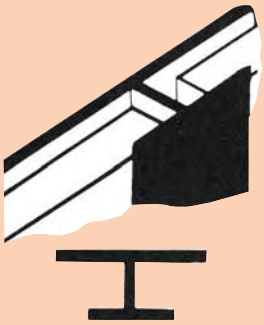
Unique Snap-On Trim Hides Edges and Joints Without Adhesives



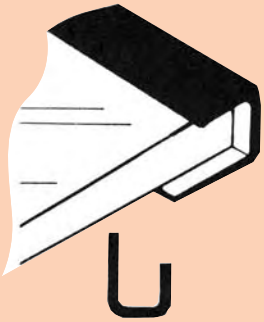
OUTSIDE CORNER
320-3780
320-3781



INSIDE CORNER
320-3783
320-3784



DIVIDER STRIP
320-3786
320-3787



EDGE MOULDING
320-3789
320-3790

Mirror-Like Finish for Glass Edges

An attractive way to finish off mirror installations or cover edge imperfections. Mirror trim is easy to install. Just snap onto the mirror without having to use adhesives or tapes. For indoor or outdoor use on 1/4" glass. Cuts with a utility knife.

STOCK NO.	Finish	Length	UNIT PKG.
OUTSIDE CORNER			
320-3780	Silver	8 ft.	ONE
320-3781	Gold	8 ft.	ONE
INSIDE CORNER			
320-3783	Silver	8 ft.	ONE
320-3784	Gold	8 ft.	ONE
DIVIDER STRIP			
320-3786	Silver	8 ft.	ONE
320-3787	Gold	8 ft.	ONE
EDGE MOULDING			
320-3789	Silver	8 ft.	ONE
320-3790	Gold	8 ft.	ONE

Double Face Mirror Mounting Tape

SOMACA "Quick-Stick" Double Coated Foam Tape

SOMACA economy priced, double coated mounting tape is a combination of polyethylene, E.V.A., co-polymer, Type E foam and acrylic adhesive. It offers superior adhesion and high sheer holding power. Tape retains strength under extreme warm or cold conditions and will not absorb moisture or peel.

*BEST SELLER



BLACK - GOOD QUALITY

STOCK NO.	Width	Thickness	Length	Per Case	UNIT PKG.
307-7219	1/2"	1/32"	72 yd.	24	ONE ROLL
307-7220*	1/2"	1/16"	36 yd.	24	ONE ROLL
307-7222	3/4"	1/16"	36 yd.	16	ONE ROLL



WHITE - GOOD QUALITY

STOCK NO.	Width	Thickness	Length	Per Case	UNIT PKG.
307-7208	3/4"	1/8"	18 yd.	16	ONE ROLL
307-7209	1"	1/8"	18 yd.	12	ONE ROLL
307-7210	1/2"	1/32"	72 yd.	24	ONE ROLL
307-7216	1/2"	1/16"	36 yd.	24	ONE ROLL
307-7217	3/4"	1/16"	36 yd.	16	ONE ROLL

IMPORTANT: "Scotch Mount" and Somaca Tapes are not sold with the intention of supporting large or heavy plate mirrors, pictures or murals.

3M Scotch-Mount Double Coated Foam Tape

The black tape is extremely useful when butting the edges of mirrors to eliminate "sight gaps" on walls.

*BEST SELLER



BLACK - PREMIUM QUALITY

STOCK NO.	Width	Thickness	Length	Per Case	UNIT PKG.
307-7020*	1/2"	1/16"	36 yd.	18	ONE ROLL
307-7018	1/2"	1/32"	72 yd.	18	ONE ROLL

3M mounting tape is a combination of urethane foam and acrylic adhesive. Easily applied to clean, dry, solid surfaces, smooth or irregular. It is used to hold large mirrors in position on walls until the mastic cures.



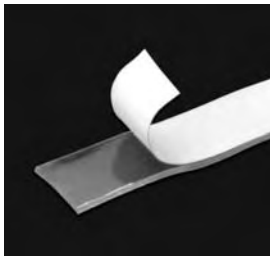
WHITE - PREMIUM QUALITY

STOCK NO.	Width	Thickness	Length	Per Case	UNIT PKG.
307-7008	3/4"	1/8"	36 yd.	12	ONE ROLL
307-7009	1"	1/8"	36 yd.	9	ONE ROLL
307-7010	1/2"	1/32"	72 yd.	18	ONE ROLL
307-7016	1/2"	1/16"	36 yd.	18	ONE ROLL
307-7017	3/4"	1/16"	36 yd.	12	ONE ROLL
307-7019	3/4"	1/32"	72 yd.	12	ONE ROLL

SOMACA Water Clear VHB Tape

Excellent for Shower Door & Mirror Strip Installations

• Instant Pressure Sensitive Bonding • Non-Staining after Aged Contact • Water Clear Solid Composition • Excellent Weathering Properties • Isolates and Dampens Vibration and Shock • Will not Harden or Become Brittle with Age



STOCK NO.	Width	Thickness	Length	UNIT PKG.
200-4405	1/4"	.020	20 ft.	ONE ROLL
200-4410	1/4"	.040	20 ft.	ONE ROLL
200-4415	1/2"	.040	20 ft.	ONE ROLL
200-4420	1/4"	.020	72 yd.	ONE ROLL
200-4430	3/8"	.030	72 yd.	ONE ROLL
200-4440	1/4"	.040	36 yd.	ONE ROLL
200-4448	1/2"	.040	36 yd.	ONE ROLL

Masking Tapes - Flat Glass

PRIDE Masking Tape

Good Quality

A good quality grade masking and packaging tape. It sticks quickly and firmly, yet peels easily and cleanly. Attractively priced, it's extremely popular among cost conscious glaziers.





Most Popular Color!

*Best Seller

BLACK

STOCK NO.	Width	Length	Contents	UNIT PKG.
213-2351	3/4"	60 yds.	12 Rolls	ONE SLEEVE
213-2352	1"	60 yds.	9 Rolls	ONE SLEEVE
213-2353*	2"	60 yds.	1 Roll	ONE ROLL

*Best Seller



NATURAL

SOLD PER SLEEVE ONLY

STOCK NO.	Width	Length	Contents	UNIT PKG.
213-2340	1/2"	60 yds.	18 Rolls	ONE SLEEVE
213-2341*	3/4"	60 yds.	12 Rolls	ONE SLEEVE
213-2342	1"	60 yds.	9 Rolls	ONE SLEEVE
213-2344	1-1/2"	60 yds.	6 Rolls	ONE SLEEVE
213-2343	2"	60 yds.	6 Rolls	ONE SLEEVE

3M Blue Masking Tape

- **Provides Adhesive Stability in Full Sunlight**
- **Crepe Paper Backing Forms Easily to Meet Tough Masking and Holding Jobs**

*Best Seller



BLUE

STOCK NO.	Width	Length	UNIT PKG.
213-6817	3/4"	60 yds.	ONE ROLL
213-6818*	1"	60 yds.	ONE ROLL
213-6819	1-1/2"	60 yds.	ONE ROLL
213-6820	2"	60 yds.	ONE ROLL

3M Masking Tape

Premium Quality

This 3M masking tape has an extremely high-tack capability and can be used for masking, marking or sealing.

*Best Seller



NATURAL

STOCK NO.	Width	Length	Case	UNIT PKG.
213-2230	1/2"	60 yds.	72	ONE ROLL
213-2231*	3/4"	60 yds.	48	ONE ROLL
213-2233	1"	60 yds.	36	ONE ROLL
213-2234	2"	60 yds.	24	ONE ROLL



A black masking tape that is used primarily behind and between the joints of wall mirrors, to eliminate reflection. The tape also acts as a shock absorber when attached to the mirror's back edge. It also has many automotive uses.

BLACK WITH CREAM COLOR ADHESIVE

STOCK NO.	Width	Length	Per Case	UNIT PKG.
213-2226	3/4"	60 yds.	48	ONE ROLL
213-2227	1"	60 yds.	36	ONE ROLL

SOMACA Masking Tape

Excellent Quality

*Best Seller



This sure sealing masking tape is economically priced and performs well under a wide temperature range and humidity conditions. Used primarily for sealing cartons and paint masking.

NATURAL

STOCK NO.	Width	Length	Per Case	UNIT PKG.
213-2240	1/2"	60 yds.	72	ONE ROLL
213-2241	3/4"	60 yds.	48	ONE ROLL
213-2242*	1"	60 yds.	36	ONE ROLL
213-2254	1-1/2"	60 yds.	24	ONE ROLL
213-2256	2"	60 yds.	24	ONE ROLL

Mirror Mastic Cartridge Chart

Mirror Mastic - Cartridge Product Cross Reference Chart

PRODUCT	STOCK NUMBER	MASTIC COLOR	CARTRIDGE COLOR	APPLICATION	INSTALLATION TIPS	SUBSTRATE CONSIDERATIONS	EXTREMELY FLAMMABLE	PSI FULLY CURED	LOT # ON CARTRIDGE
SOMACA SUPER GUM GRIP II	336-5155	CREAM	WHITE	REGULAR MIRROR	BEAD 3/8", ZIG-ZAG PATTERN OR FULL COVERAGE W/SPREADER	PRIME, REMOVE WALLPAPER & OTHER SURFACE COVERINGS	*YES	375	YES
SOMACA SUPER GUM GRIP II X-TRA BUILD	336-5165	BLACK	GOLD	REGULAR MIRROR ACRYLIC MIRROR CATEGORY II SAFETY BACKING	SEE ABOVE	SEE ABOVE	*YES	375	YES
PALMER MIRRO-MASTIC	336-8345 336-8346	BLACK	BLUE/ WHITE	PLATE GLASS MIRROR ACRYLIC MIRROR CATEGORY II SAFETY BACKING	PATS	SEE MFG. DIRECTIONS	*YES	200	YES
PALMER QWIKSET	336-8348	BLACK	RED/ WHITE	PLATE GLASS MIRROR ONLY. NOT ON ACRYLIC MIRROR, SAFETY TAPES OR BACKINGS	PATS OR VERTICAL BEADS	SEE MFG. DIRECTIONS	*YES	450	YES
GUNTHER ULTRA/BOND	336-8110	TAN	WHITE	REGULAR MIRROR ONLY, NOT ON ACRYLIC MIRROR OR CATEGORY II SAFETY BACKING - O.K. ON METAL, SEALED WOOD, TILE, SEALED DRYWALL & SEALED CONCRETE	VERTICAL BEADS FOR CLOSE TOLERANCE. 3/4" BUILD OUT	SAND & SEAL, APPLY MASTIC. SEE MFG. DIRECTIONS & GUIDEBOOK	*YES	400	YES
GUNTHER EXTRA/BUILD	336-8120	BLACK	GOLD	SAME AS ABOVE	4" TO 5" PATTIES 2-1/2" BUILD OUT	SAND & SEAL, APPLY MASTIC. SEE MFG. DIRECTIONS & GUIDEBOOK	*YES	200	YES
GUNTHER PREMIER	336-8130	GREY	SILVER	REGULAR MIRROR, ACRYLIC MIRROR, OK ON METAL, SEALED WOOD, TILE, SEALED DRYWALL/CONCRETE	SPOTS 1-2" DIA. OR BEADS FOR CLOSE TOLER-ANCE. 2" BUILD OUT	SAND & SEAL, APPLY MASTIC. SEE MFG. DIRECTIONS & GUIDEBOOK	NO	275	YES
GLAZERS CHOICE	336-2010	TAN	BLACK	REGULAR MIRROR ONLY, NOT ON ACRYLIC MIRROR OR CATEGORYII SAFETY BACKING	3" DIA. DAUB, ONE PER SQ. FT. 2" BUILD OUT	SEAL POROUS SUBSTRATES. SAND PAINTED SURFACE. SEE MFG. DATA	*YES	300+	YES

DISCLAIMER: ALL MASTICS ARE USED AT INSTALLER'S RISK. ALWAYS MECHANICALLY FASTEN MIRROR AT THE TOP AND AT THE BOTTOM TO THE SUBSTRATE. READ INSTRUCTIONS FOR EACH PRODUCT CAREFULLY BEFORE INSTALLATION BEGINS OR CALL MANUFACTURER. APPLICATION TECHNIQUES, PRODUCT USE, AND SUBSTRATE CONSIDERATION VARY BY PRODUCT. MIRROR MASTICS SOLD BY SOMACA ARE TO BE USED ON MIRRORED GLASS ONLY. THE MOUNTING OF PLASTICS, CERAMICS, STONE OR METAL TO SUBSTRATES MUST NOT BE ATTEMPTED.

***FLAMMABLE PRODUCTS CANNOT BE SHIPPED AIR FREIGHT**

Mirror Mastics

SUPER GUM·GRIP II™

Mirror Mastic

Medium Consistency



SUPER GUM GRIP II is a fast setting mirror cement that bonds permanently, and attains 35% of ultimate bond strength in 24 hours. This product is used when mirror installation needs a flexible, high strength, water resistant bond. Super Gum Grip II allows a maximum build up to 3/4". Bond strength is 375 psi when fully cured.
SUPER GUM GRIP II X-TRA BUILD is ideal for use on bowed substrates, with a maximum build up to 3" without sagging. Bond strength will be 300 psi when fully cured.
GUM GRIP II is an **EXTREMELY FLAMMABLE** product. Do not use or store in area of flame or sparks and avoid inhaling vapors. Closely follow directions on the label. Avoid skin exposure; wear gloves and an approved respirator when using.

SOLD PER 10.6 FL. OZ. CARTRIDGE - Case Quantity: 12

	STOCK NO.	Color	Description	UNIT PKG.
BIG SELLER	336-5155	Cream	Gum Grip II	CARTRIDGE
	336-5165	Black	Gum Grip II X-tra Build	CARTRIDGE

SOLD PER GALLON CAN - Case Quantity: 4

	STOCK NO.	Color	Description	UNIT PKG.
BIG SELLER	336-5152	Cream	Gum Grip II	ONE CAN
	336-5162	Black	Gum Grip II X-tra Build	ONE CAN

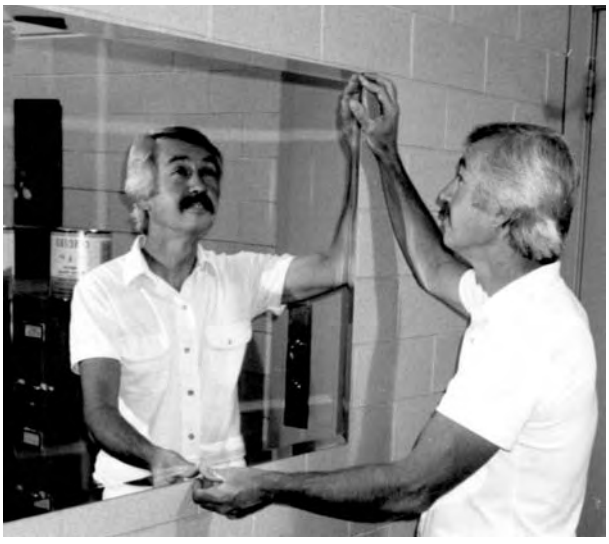
Concord Mirror Mastic

Heavy Consistency

- **Quick Setting**
- **Strong Adhesion**
- **Super Strength**



This high quality, asphaltic black bituminous mastic, is developed for bedding mirrors, slate, blackboards, structural glass and building panels. Mirrors may be lined to allow for uneven walls. Apply with plastic trowel having 1/8" grooves. Trowel material over entire mirror back except for 1/2" to 1" from edge. It has exceptional adhesive qualities and tensile strength.



CAUTION: FLAMMABLE. Never use in area of flame.
SOLD PER CAN - Case Quantity: 4 Cans

STOCK NO.	Color	Size	Weight	UNIT PKG.
336-8126	Black	Gallon	11 lbs.	ONE CAN

Mirro-Mastic and Mirro-Mastic Bond

Palmer Mirro-Mastic®

Very Heavy Consistency, Black Color



GALLON
BIG SELLER

- **Use on Plate Glass Mirror, Acrylic Mirror and Safety Backing**
- **Cures to a Strong, Permanent Bond**
- **Ideal for Large Mirrored Walls**

Palmer Mirro-Mastic is an adhesive mastic formulated for adhering plate glass mirror and acrylic mirror to various substrates such as drywall, wood, glass, metal or tile. Mirro-Mastic does not become hard or brittle with age. It will absorb normal vibration and allows movement due to normal thermal changes.

SOLD PER CAN

STOCK NO.	Description	Weight	Case	UNIT PKG.
336-8342	Gallon	8 lbs.	4	ONE CAN
336-8343	5 Gallon	45 lbs.	1	ONE CAN

Mirro-Mastic® in Cartridges



11 fl. oz.
BIG SELLER



29 fl. oz.

- **Blue/White Cartridge - Black Mastic**
- **Easy Mirror Removal or Reset During Installations**
- **Use on Conventional Mirror, Acrylic Mirror and Category II Safety Backings**

SOLD PER CARTRIDGE - COLOR: BLACK

STOCK NO.	Description	Weight	Case	UNIT PKG.
336-8345	11 fl. oz.	14 oz.	24	CARTRIDGE
336-8346	29 fl. oz.	2-1/4 lbs.	12	CARTRIDGE

QwikSet™ Mirro-Mastic®



- **Use on Plate Glass Mirror**
- **Fast Cure Time**
- **Ideal for Adhering Overlays and Bevelled Strips**

Palmer QwikSet Mirro-Mastic is a fast curing adhesive mastic formulated for adhering plate glass mirror to various substrates such as drywall, wood, glass, metal or tile. At room temperature, QwikSet will cure to approximately 80% strength in 48 hours.
NOTE: Do not apply QwikSet to acrylic mirror or vinyl safety backing.

SOLD PER CARTRIDGE - Case Quantity: 24 Cartridges

STOCK NO.	Color	Description	Weight	UNIT PKG.
336-8348	Black	11 fl. oz.	14 oz.	CARTRIDGE

Mirro-Mastic® Bond

- **For Sealing Porous Wall Surfaces**



Mirro-Mastic Bond is specially made to seal porous wall surfaces prior to applying Palmer Mirro-Mastic. Use it to seal walls of drywall, wood, concrete, concrete block, or brick. Can be applied with brush or roller. **NOTE: Not compatible with Palmer QwikSet.**

SOLD PER CAN

STOCK NO.	Color	Description	Weight	UNIT PKG.
336-8344	Black	Gallon	8 lbs.	ONE CAN

Palmer Electric Mastic Applicator

- **For Applying Palmer Mirro-Mastic®**

The electric applicator is a special tool designed to apply Palmer Mirro-Mastic in the recommended uniform size pat. The heated bowl makes mastic application easier and quicker.



NOTE: Use electric unit with Palmer Mastic ONLY.

STOCK NO.	Description	UNIT PKG.
230-2100	Electric - 110V	ONE APPLICATOR

Palmer Mastic Stik™

The Palmer Mastic Stik is a lightweight and durable tool made of PVC. It is designed to make application and removal of Palmer Mirro-Mastic easier.



STOCK NO.	Description	UNIT PKG.
200-2101	Plastic Applicator	ONE APPLICATOR

Mirror Mastics

GUNTHER Mirror Mastics - Medium Consistency



ultra/bond™

Super Strength, Fast Set-Up, Easy to Work
This super strength adhesive with fast set-up is for general installation. Maximum build up to 3/4".



extra/build™

Excellent Suction, Immediate Holding Power
For use when substrates are bowed more than 3/4". Can build up as much as 2-1/2" without sagging.



premier™

Non-flammable, With No Shrinkage
This high strength urethane adhesive formula is non-flammable, and can be built up to 2".



pro™

Remains Flexible, Easy to Use
Asphalt based product allows mirrors to be adjusted for perfect alignment. Can build up to 2-1/2" without sagging.

SOLD PER CARTRIDGE

STOCK NO.	Color	Contents	Description	Case	UNIT PKG.
336-8110	Tan	10.1 fl. oz.	Ultra/Bond	24	CARTRIDGE
336-8120	Black	10.1 fl. oz.	Extra/Build	24	CARTRIDGE
336-8130	Gray	10.3 fl. oz.	Premier	12	CARTRIDGE

SOLD PER GALLON CAN

STOCK NO.	Color	Contents	Description	Case	UNIT PKG.
336-8112	Tan	1 gallon	Ultra/Bond	4	ONE CAN
336-8122	Black	1 gallon	Extra/Build	4	ONE CAN
336-8123	Black	1 gallon	Pro	4	ONE CAN

GUNTHER Mirror Supplies

GUNTHER MIRROR & MORE™ Glass Cleaner
An all-purpose glass cleaner, Mirror & More contains no ammonia or vinegar to harm mirror backing. Non-streaking, environmentally safe formula. Sold in 8 fl. oz. spray bottle, or 5 gallon economy box container.





GUNTHER SEAL-KWIK™ Mirror Edge Sealer
Applicator bottle is a labor saving all-in-one package - dauber top with a screw off cap. Fast and easy to use, Seal-Kwik dries clear, will not yellow or crack over time. Sold per bottle.



STOCK NO.	Contents	Description	Case	UNIT PKG.
337-6999	8 fl. oz.	Mirror & More Glass Cleaner	24	ONE BOTTLE
337-7000	5 gallons	Mirror & More Glass Cleaner	1	5 GAL. BOX
336-8109	4 fl. oz.	Seal-Kwik Mirror Edge Sealer	6	ONE BOTTLE

Mirror Mastic and Mirror Edge Sealers

GLAZERS CHOICE® Mirror Adhesive

Glazers Choice elastomeric formula remains flexible, smooth, and easy to use, even when cold. It has a superior bond to a variety of surfaces, and will not cause silver spoilage. Adjustable for mirror alignment - up to twenty minutes reset time after installation.





Mirror Mastic

STOCK NO.	Color	Description	Case	UNIT PKG.
336-2010	Tan	10.5 fl. oz. Cartridge	24	CARTRIDGE
336-2011	Tan	Gallon Can	2	ONE CAN



GLAZERS CHOICE Glass Cleaner

Glazers Choice Glass & More Cleaner is a no ammonia, no vinegar formula - safe for silver mirror backings. Clear liquid is streak free.



STOCK NO.	Description	Case	UNIT PKG.
337-1170	32 fl. oz. Bottle	12	ONE BOTTLE
337-1175	5 Gallon Box	1	5 GAL. BOX

FRANKLIN Titebond® Construction Adhesive



Professionals depend upon Titebond Adhesive for its strength, resiliency and versatility. It can be used to bond lumber, plywood, waferboard, metal, brick, gypsum drywall, composition board and paneling. It exceeds requirements of the APA. Specifications AFG-01, FHA, HUD.

CAUTION:
FLAMMABLE. Never use in area of flame.
SOLD PER 10.5 FL. OZ. CARTRIDGE

STOCK NO.	Color	Case	UNIT PKG.
336-1006	Beige	12	CARTRIDGE

Mirror Edge Sealers







Protects Mirror Backing Against Black Edges

These products are formulated to seal mirror edges after machine or hand edging. Black edges and spoiling occur when the silver is oxidized, either by heat, salty air, extreme humidity (bathrooms, saunas), sweat from glass handler's hands or improper cleaning methods.

COVERAGE PER LINEAR INCH

GUNTHER . . . . . 20,000 Linear Inches
LOYAL . . . . . 60,000 Linear Inches (approx.)
SOMACA . . . . . No data for aerosol product

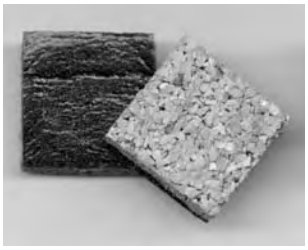
STOCK NO.	Description	Brand	Application	Dry/Color	Size	Case	UNIT PKG.
336-8109	Mirror Edge Sealer	Gunther	Liquid w/Applicator Tip	Clear	4 oz.	6	ONE BOTTLE
336-7403	Mirror Edge Sealer	Loyal	Liquid w/Brush	Clear	Pint	6	ONE CAN
336-7400	Mirror Edge Sealer	Somaca	Aerosol	Clear	10.5 oz.	12	ONE CAN

Shipping Pads and Glass Protectors

Cork Foam Pads

Non-Adhesive Static Hold and Cork Pad with Adhesive

1/2" and 3/4" Square



Static pads have a black, non-adhesive, high density foam layer with a cork bottom layer.

SOLD PER ROLL

STOCK NO.	Squares	Thickness	Contents	UNIT PKG.
200-1834	3/4"	1/8"	25,000	ONE ROLL
349-1960	3/4"	1/4"	11,600	ONE ROLL
349-1954	1/2"	1/8"	53,300	ONE ROLL
349-1956	1/2"	1/4"	25,000	ONE ROLL
349-1959	1/2"	3/16"	1,000	ONE ROLL
349-1957	1/2"	3/16"	35,000	ONE ROLL

CORK PAD WITH ADHESIVE

STOCK NO.	Squares	Thickness	Contents	UNIT PKG.
349-1958	3/4"	1/32"	1,000	ONE ROLL

Foam Glass Shipping Pads

White Foam Non-Adhesive Static Hold

349-1955 Has Adhesive Back



1/2", 3/4" and 1-1/2" Square



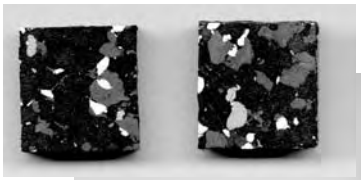
These high density foam, non-adhesive shipping tabs are for separating glass and mirror during processing and storage. The protectors contain statically charged foam and have excellent resistance to moisture. They are easily removed from the surface and leave no residue.

SOLD PER ROLL

STOCK NO.	Squares	Thickness	Contents	UNIT PKG.
349-1950	1/2"	1/4"	25,000	ONE ROLL
349-1952	3/4"	1/4"	11,600	ONE ROLL
349-1955	1-1/2"	1/4"	1,000	ONE ROLL

Foam Rubber Glass Protectors

Marbled Foam - Adhesive Back



1/2" and 3/4" Square



This firm, high density foam rubber pad is for separating glass, mirrors, tiles and marble during processing, storing and shipping. Protectors have a pressure sensitive adhesive developed for the tempering industry. Packaged on quick release paper.

SOLD PER ROLL

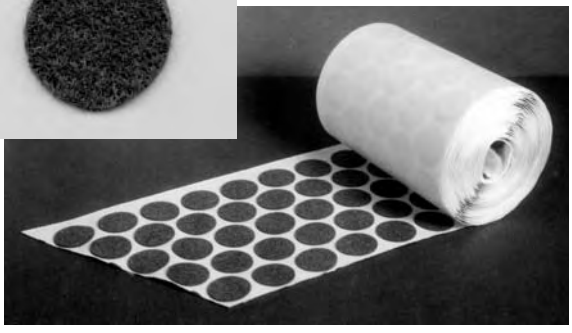
STOCK NO.	Squares	Thickness	Contents	UNIT PKG.
349-1944	3/4"	1/8"	1,000	ONE ROLL
349-1930	1/2"	1/4"	1,000	ONE ROLL
349-1932	3/4"	1/4"	1,000	ONE ROLL
349-1941	1/2"	1/4"	20,000	ONE ROLL
349-1943	3/4"	1/4"	9,000	ONE ROLL

Felt Glass Protectors

Green and Black Felt - Adhesive Back



1/2" and 3/4" Round



These are American-made felt pads. They are 50% wool with a pressure sensitive adhesive backing. They help to prevent glass breakage or scratching during storage.

SOLD PER ROLL OF 1,000

STOCK NO.	Diameter	Thickness	Color	UNIT PKG.
349-1920	1/2"	1/16"	Black	ONE ROLL
349-1921	3/4"	1/16"	Green	ONE ROLL
349-1922	3/4"	1/16"	Black	ONE ROLL

Corner Protectors and Desk Buttons

Plastic Corner Protectors

Separates Mirrors During Storage



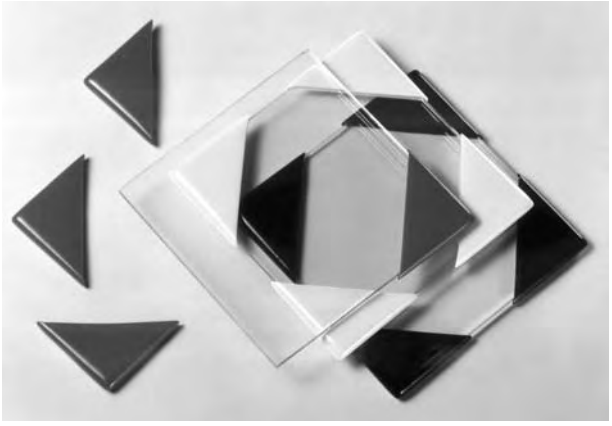
White Polyethylene

These pliable, white polyethylene corner protectors will not mar or scratch glass. They protect glass corners from breakage during storage, shipping and general handling.

STOCK NO.	Glass Thickness	Contents	UNIT PKG.
349-1155	1/4″	100	ONE BOX
349-1156	1/4″	1900	ONE BOX

Vinyl Corner Protectors

Protects Glass Table Tops and Mirrors from Corner Chips and Scratches



- **For Transportation Purposes Only**
- **Color-Coded by Glass Thickness**

Soft vinyl corner protectors help keep glass corners safe during transit. They are available in five sizes to snuggly fit glass from 1/8″ to 3/4″ thick.

STOCK NO.	Glass Thickness	Contents	UNIT PKG.
349-1140	1/8″ - Green	100	ONE BAG
349-1141	1/4″ - Red	100	ONE BAG
349-1142	3/8″ - Black	100	ONE BAG
349-1143	1/2″ - Orange	100	ONE BAG
349-1144	3/4″ - Yellow	100	ONE BAG

Anti-Slip Desk Buttons

Plain Back - Non-Adhesive

Transparent Plastic Desk Buttons



An anti-slip, clear compostion plastic button. The most widely used button on the market; it becomes practically invisible under glass tops.

NOTE:
It is advisable to keep this button and all others away from heat producing appliances and intense sunlight.

COLOR: CLEAR

STOCK NO.	Dia.	Thick.	Back	Contents	UNIT PKG.
315-1035	3/4″	3/64″	Plain	100	ONE BOX
315-1135	3/4″	3/64″	Plain	1000	ONE BOX

Dark Brown Felt Desk Buttons



Soft felt buttons form a cushion between glass and furniture tops. Plain felt buttons will last indefinitely.

COLOR: BROWN

STOCK NO.	Dia.	Thick.	Back	Contents	UNIT PKG.
315-1032	3/4″	1/8″	Plain	100	ONE BOX

Sponge Rubber Desk Buttons



Flexible buttons resist glass slipping. They have a slightly serrated surface in a deck shoe sole pattern.

COLOR: BROWN

STOCK NO.	Dia.	Thick.	Back	Contents	UNIT PKG.
315-1036	3/4″	3/32″	Plain	100	ONE BOX

Cork Desk Buttons



A natural, all cork desk button which cushions and helps hold glass from sliding.

COLOR: NATURAL

STOCK NO.	Dia.	Thick.	Back	Contents	UNIT PKG.
315-1037	3/4″	3/32″	Plain	100	ONE BOX

IMPORTANT: It would be prudent to periodically shift the position of the desk buttons. Because of the chemical reaction of some furniture finishes and polishes, desk protectors are not guaranteed against furniture discoloration.

Safety Backing and Resilvering Supplies

Mirror Impact Safety Tape

A Backing Tape that Helps Prevent Injury from Flying Glass Fragments!



This permanent pressure sensitive tape for mirror backings will hold mirror in place even if it is broken or shattered. This tape is ideal for free-standing wardrobe doors, reach-in closets, and furniture applications.

The Category I tape is a 6 mil white tape that passed ANSI Z97.1 1984.

The Category II tape is a heavy duty woven white tape that has an extra margin of safety when used as a single product for reach-in closet and wardrobe door mirrors. Category II tape has passed ANSI Z97.1 1984 and passed the independent test Code 16 CFR 1201.

Other sizes and colors are available for special order. White is stocked. Category I is available in black and gray. Category II is available in gray.

Some adhesives/mastics will not adhere to this tape. See the mirror mastic section for a technical application chart for cartridge mastics.

STOCK NO.	Description	Size (WxL)	UNIT PKG.
336-7875	Category I	24" x 300'	ONE ROLL
200-7874	Category I	36" x 300'	ONE ROLL
336-7880	Category I	48" x 300'	ONE ROLL
336-7876	Category II	24" x 300'	ONE ROLL
200-7877	Category II	36" x 300'	ONE ROLL
336-7877	Category II	48" x 300'	ONE ROLL

Felt Mirror Cleaning Block



This block is made of white wools, free from impurities. It is used for the hand cleaning of glass, prior to silvering and the application of chemicals to mirror backs.

STOCK NO.	Size	Weight	UNIT PKG.
220-5326	3" x 2" x 6"	3/4 lbs.	ONE BLOCK

Safety Glaze Mirror Paint

A Protective Coating for Mirror Backs

Protects Mirror Surface During Storage, Shipping, Handling and Installation



Safety Glaze was developed for the protection of mirror backs. It readily adheres to mirror paints, producing an abrasive-resistant film. It lessens the shattering effect of a mirror, if it is dropped or smashed. The tough film tends to hold the fractured pieces of glass in place, after the damage has occurred. The aging property of mirrors is also enhanced. It is compatible with most mirror back coatings. To apply, use a soft brush. It dries tack-free in 30 minutes – full strength in 8 hours

STOCK NO.	Color	Size	Coverage	UNIT PKG.
336-7883	Clear	Gallon	216 sq. ft.	ONE ROLL

Primary Mirror Backing

Designed as a primary protective coating to be applied directly to the silver deposit, or directly to the galvanic surface coverings. This backing neutralizes any trace of sludge that might be left on the silver film. Prevents penetration of dampness, salt, and air. No thinners needed. Designed primarily for spray application. Can be used in small or large mirror plants. Always insure mirror surface to be coated is dry and clean. Air dries in 15 minutes.

Copper



STOCK NO.	Size	Weight	UNIT PKG.
336-8991	One Gallon	9 lbs.	ONE CAN

Mirror Back Paint

Designed as a top coat used in conjunction with Primary Mirror Backing (Stock No. 336-8991). Its film resists the penetration of water. Won't peel during the cutting, seaming or bevelling of mirrors. Also protects the primary film from marring and scratching. May be applied by brush or spray. Surface must be dry and clean. Air dries in 1 hour.

Gray



STOCK NO.	Size	Weight	UNIT PKG.
336-8990	One Gallon	16.5 lbs.	ONE CAN

Cerium Oxide (not pictured)

STOCK NO.	Description	Weight	UNIT PKG.
263-1018	Cerium Oxide	8 lbs.	ONE
263-1056	Cerium Oxide	44 lbs.	ONE

Acrylic Mirror Switch Plates

Premium Acrylic Mirror Switch Plates



- **Mirror-Backed Acrylic with Polished, Bevelled Edges**

Of the three quality levels of acrylic mirror, Somaca specifies the best. Using the highest quality material insures that you will have defect-free plates for your mirror installations. The bevelled edges on our plates have the brightest polish in the industry.

The regular acrylic plates are 1/8" thick. The green edge plates are 3/16", which is 60% thicker.
Each individually packaged plate is furnished with a full gasket. We remove the peel-off film cover from the front of the plate and perform a 100% inspection before we ship - our attention to detail means you will receive a premium quality product. Mounting screws are included.

Bulk packaged plates are manufactured without the gasket, so they are less expensive. They are shipped with protective film on the front of the plate. Screws are furnished for each plate, to speed your installation.

As you review our list of colors, you will find one of the largest assortments possible. Standard colors are clear and bronze, and special order colors include transparent, black, peach and gray. Special orders are welcome, and normally ship in 2-4 weeks, but can also be sent next day (at additional cost) for a rush job.

We are introducing the **"green edge" switch plate** in this catalog. This acrylic product is within 95% of looking like a glass plate. Because it is 60% thicker than a regular acrylic plate, it is shatter-resistant. When glass plates are placed near the floor or in high use areas, they can be prone to frequent breaking. Now you can offer your customer a shatter-resistant solution.

Acrylic Mirror Plate Dimensions

STYLE	WIDTH	HEIGHT
SINGLE	3-1/2"	5-1/8"
DOUBLE	5-1/8"	5-1/8"
TRIPLE	7"	5-1/8"
QUAD	9"	5-1/8"
5-GANG	10-1/2"	5-1/8"
6-GANG	12"	5-1/8"
JUMBO	4"	6"

"Green Edge" Acrylic Mirror Plate Dimensions

STYLE	WIDTH	HEIGHT
SINGLE	3-1/2"	5-1/4"
DOUBLE	5-1/4"	5-1/4"
TRIPLE	7-1/4"	5-1/4"
QUAD	9"	5-1/4"
5-GANG	10-1/2"	5-1/4"
6-GANG	12"	5-1/4"
JUMBO	4"	6"

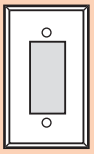
Special Orders

We can manufacture any acrylic plate you require. Send us a full-scale drawing with your written purchase order. Send via e-mail, fax or regular mail.

Acrylic Mirror Switch Plates

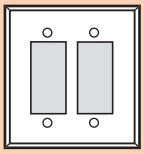
Decora Switch Plates

Decora



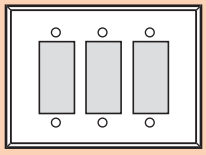
STOCK NO.	Color	UNIT PKG.
343-2102	Clear	1
200-2122	Clear (Bulk)	25
343-2862	Bronze	1
343-2895	Green Edge	1

Double Decora



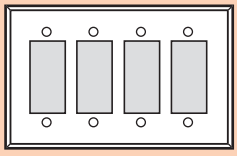
STOCK NO.	Color	UNIT PKG.
343-2202	Clear	1
200-2202	Clear (Bulk)	25
343-2881	Bronze	1
343-2896	Green Edge	1

Triple Decora



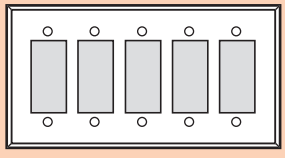
STOCK NO.	Color	UNIT PKG.
343-2302	Clear	1
343-2932	Bronze	1
343-2933	Green Edge	1

Quad Decora



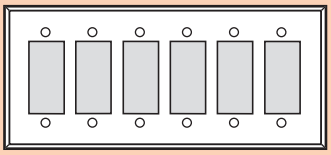
STOCK NO.	Color	UNIT PKG.
343-2402	Clear	1
343-2897	Bronze	1

5-Gang Decora



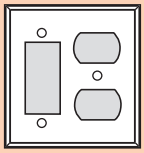
STOCK NO.	Color	UNIT PKG.
343-2898	Clear	1
343-2899	Bronze	1

6-Gang Decora



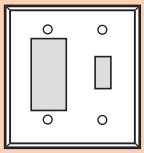
STOCK NO.	Color	UNIT PKG.
343-2900	Clear	1
343-2901	Bronze	1

Decora Duplex



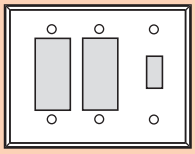
STOCK NO.	Color	UNIT PKG.
343-2205	Clear	1
343-2902	Bronze	1
343-2903	Green Edge	1

Decora Switch Decora GFCI



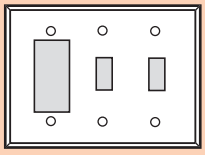
STOCK NO.	Color	UNIT PKG.
343-2556	Clear	1
343-2904	Bronze	1
343-2905	Green Edge	1

Double Decora Switch



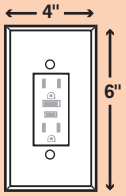
STOCK NO.	Color	UNIT PKG.
343-2305	Clear	1
343-2906	Bronze	1

Decora Double Switch



STOCK NO.	Color	UNIT PKG.
343-2834	Clear	1
343-2835	Bronze	1

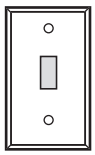
Decora GFCI Oversize



STOCK NO.	Color	UNIT PKG.
343-2555	Clear	1

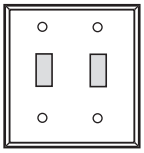
Acrylic Mirror Switch Plates

Switch



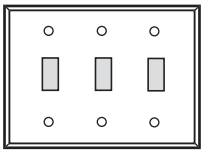
STOCK NO.	Color	UNIT PKG.
343-2101	Clear	1
200-2111	Clear (Bulk)	25
343-2861	Bronze	1
343-2864	Green Edge	1

Double Switch



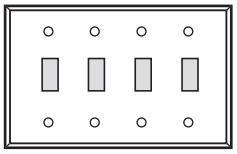
STOCK NO.	Color	UNIT PKG.
343-2201	Clear	1
200-2201	Clear (Bulk)	25
343-2880	Bronze	1
343-2865	Green Edge	1

Triple Switch



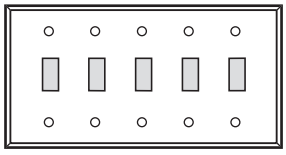
STOCK NO.	Color	UNIT PKG.
343-2301	Clear	1
343-2866	Bronze	1
343-2867	Green Edge	1

Quad Switch



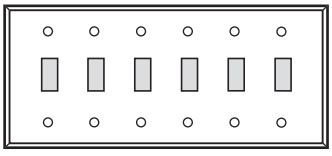
STOCK NO.	Color	UNIT PKG.
343-2401	Clear	1
343-2890	Bronze	1

5-Gang Switch



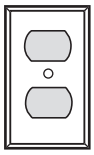
STOCK NO.	Color	UNIT PKG.
343-2891	Clear	1
343-2892	Bronze	1

6-Gang Switch



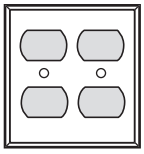
STOCK NO.	Color	UNIT PKG.
343-2893	Clear	1
343-2894	Bronze	1

Duplex



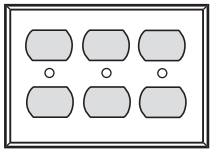
STOCK NO.	Color	UNIT PKG.
343-2103	Clear	1
200-2105	Clear (Bulk)	25
343-2863	Bronze	1
343-2907	Green Edge	1

Double Duplex



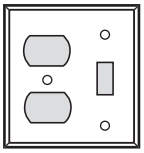
STOCK NO.	Color	UNIT PKG.
343-2203	Clear	1
200-2233	Clear (Bulk)	25
343-2908	Bronze	1

Triple Duplex



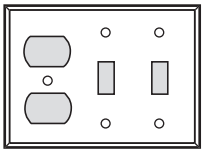
STOCK NO.	Color	UNIT PKG.
343-2909	Clear	1
343-2910	Bronze	1

Combo



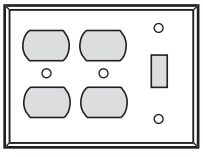
STOCK NO.	Color	UNIT PKG.
343-2204	Clear	1
343-2883	Bronze	1
343-2996	Green Edge	1

Triple Combo



STOCK NO.	Color	UNIT PKG.
343-2304	Clear	1
343-2911	Bronze	1

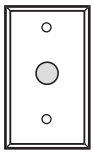
Triple Duplex Switch



STOCK NO.	Color	UNIT PKG.
343-2912	Clear	1
343-2913	Bronze	1

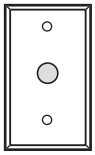
Acrylic Mirror Switch Plates

Dimmer



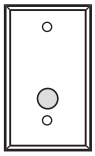
STOCK NO.	Color	UNIT PKG.
343-2104	Clear	1
343-2914	Bronze	1

TV 3/8" Hole



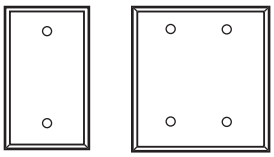
STOCK NO.	Color	UNIT PKG.
343-2110	Clear	1
343-2915	Bronze	1

Offset TV 3/8" Hole



STOCK NO.	Color	UNIT PKG.
343-2919	Clear	1
343-2920	Bronze	1

Blank



Double Blank

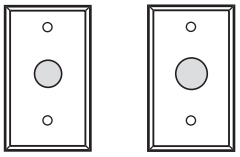
BLANK - SINGLE

STOCK NO.	Color	UNIT PKG.
343-2108	Clear	1
343-2868	Bronze	1

BLANK - DOUBLE

STOCK NO.	Color	UNIT PKG.
343-2921	Clear	1
343-2922	Bronze	1

Phone 5/8" Hole



Phone 1-3/8" Hole

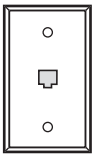
PHONE - 5/8" HOLE

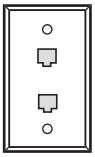
STOCK NO.	Color	UNIT PKG.
343-2113	Clear	1
343-2923	Bronze	1

PHONE - 1-3/8" HOLE

STOCK NO.	Color	UNIT PKG.
343-2114	Clear	1
343-2924	Bronze	1

Phone Jack Prewired





Twin Phone Jack Prewired

PHONE JACK - PREWIRED

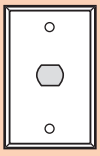
STOCK NO.	Color	UNIT PKG.
343-2117	Clear	1
343-2817	Bronze	1

TWIN PHONE JACK - PREWIRED

STOCK NO.	Color	UNIT PKG.
343-2925	Clear	1
343-2926	Bronze	1

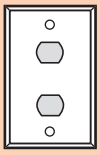
Despard Switch Plates

Despard



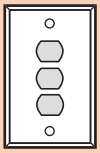
STOCK NO.	Color	UNIT PKG.
343-2106	Clear	1
343-2927	Bronze	1

Despard 2X



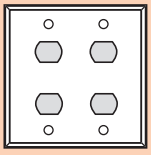
STOCK NO.	Color	UNIT PKG.
343-2107	Clear	1
343-2928	Bronze	1

Despard 3X



STOCK NO.	Color	UNIT PKG.
343-2929	Clear	1
343-2930	Bronze	1

Despard 4X



STOCK NO.	Color	UNIT PKG.
343-2207	Clear	1
343-2931	Bronze	1

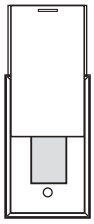
Acrylic Covered Plates and Mirror Vents

Acrylic Mirror "Hide-the-Plate" Covers



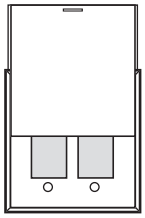
The sliding cover on this plate hides the switch or receptacle holes to give the mirrored wall a finished look.
Just slide the cover up to use the switch or outlet. "Hide-the-Plate" is available in 4 styles.

Decora



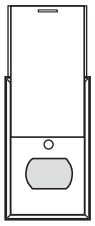
STOCK NO.	Color	UNIT PKG.
343-2803	Clear	1

Double Decora



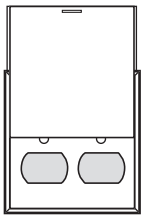
STOCK NO.	Color	UNIT PKG.
343-2805	Clear	1

Duplex



STOCK NO.	Color	UNIT PKG.
343-2802	Clear	1

Double Duplex

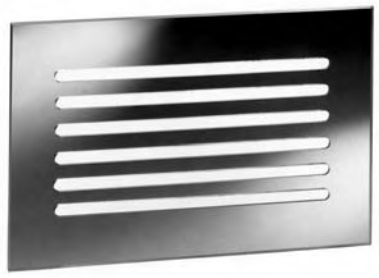


STOCK NO.	Color	UNIT PKG.
343-2804	Clear	1

Special Orders

We can manufacture any acrylic grill you require. Send us a full-scale drawing with your written purchase order. Send via e-mail, fax or regular mail.

Acrylic Mirror Flat Air Vent Covers

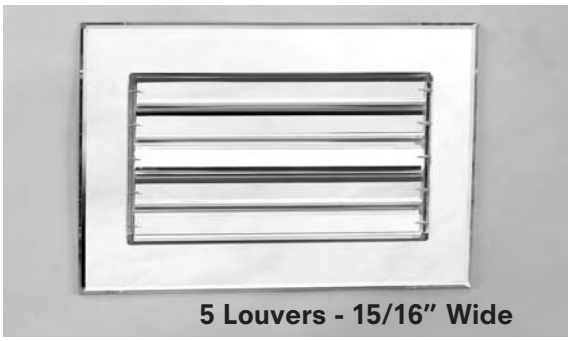


6 Slots
3/8" Wide

This economy priced mirror cover is the perfect solution to cover the air vent duct hole in mirrored walls. The open slots are 3/8" wide and will not inhibit the flow of air. Available in clear tone with 1/8" bevelled edges. Adhesive mounting tape is not furnished.

STOCK NO.	Color	Size	UNIT PKG.
343-1280	Clear	12" x 8"	ONE COVER
343-1480	Clear	14" x 8"	ONE COVER
343-1680	Clear	16" x 8"	ONE COVER

Acrylic Mirror Air Vent Grills



5 Louvers - 15/16" Wide

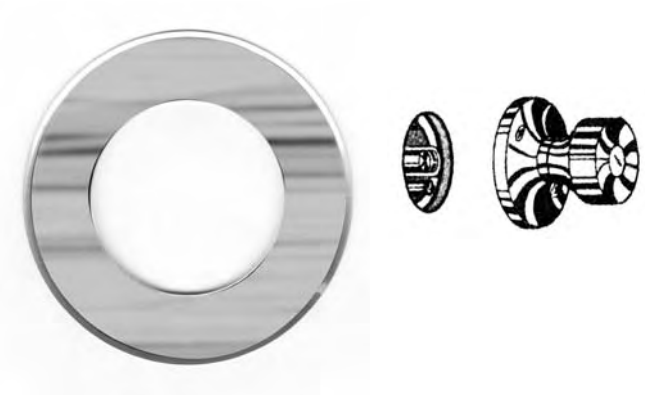
Mirror grills provide the best way to cover an air conditioning duct in mirrored walls. They have adjustable louvers which enable the homeowner to regulate and direct the flow of air. Available in clear tone; bronze available on special order. Edges have 1/4" bevel. Mounting tape is not furnished.

STOCK NO.	Color	Size	UNIT PKG.
343-1281	Clear	12" x 8"	ONE GRILL
343-1481	Clear	14" x 8"	ONE GRILL
343-1681	Clear	16" x 8"	ONE GRILL

Knob Plate, Mirror and Plastic Cleaners

Clear Acrylic Door Knob Plate

- **Covers Knob Cut-Out Hole**



It's easy to add to the beauty of mirrored doors with this clear mirrored acrylic door knob plate. The plate has a polished bevelled edge. It has a 3-3/4" outside diameter and a 2-1/4" inside diameter. There is no adhesive on the back of plate. Use double faced tape to adhere to mirrored door.

STOCK NO.	Color	Size	UNIT PKG.
343-2707	Clear	3-3/4" OD, 2-1/4" ID	ONE PLATE

Sommertyme Plexiglass Cleaner

- **No Ammonia or Silicones**
- **No Streaking**
- **No Clouding**
- **No Offensive Odor**



Somaca Sommertyme is an outstanding product that not only cleans but protects. It cleans plexiglass, lucite, mirrored acrylic and formica. The special anti-static ingredients repel dust, film and fingerprints. It contains no ammonia or silicones and is safe for all non-porous plastics. Works like Novus 1 (see below).

STOCK NO.	SOLD PER CAN Size	UNIT PKG.
337-9000	15 oz.	ONE CAN

NOVUS Plastic Care Products

These 3 products professionally clean and protect all industrial and household plastics

Novus 1 Plastic Clean & Shine



Use On:
- **All Uncoated Plastics**
- **Fiberglass**
- **Computers**
- **Auto Interiors**

NOVUS No. 1 gently cleans all plastics without scratching. Leaves a lustrous shine that resists fogging, repels dust, and eliminates static. Protects against smudges and scratching. 8 fl. oz. spray bottle.

STOCK NO.	Size	UNIT PKG.
200-7020	8 fl. oz.	ONE BOTTLE

Novus 2 Fine Scratch Remover



Directions:
- **Shake well**
- **Test small area**
- **Apply in a circular motion until dry**
- **Buff with clean cloth**

NOVUS No. 2 removes fine scratches, haziness and abrasions from most plastic surfaces. Restores original appearance to faded and discolored plastics. 8 fl. oz. applicator bottle.

STOCK NO.	Size	UNIT PKG.
200-7030	8 fl. oz.	ONE BOTTLE

Novus 3 Heavy Scratch Remover



Directions:
- **Read directions carefully**
- **Use No. 3 with back and forth strokes**
- **Then apply No. 2**

NOVUS No. 3 removes heavy scratches and abrasions from most acrylic surfaces. Contains abrasives. Not for eyeglasses, polycarbonates or coated plastics. Use No. 2 for final finishing. 8 fl. oz. applicator bottle.

STOCK NO.	Size	UNIT PKG.
200-7050	8 fl. oz.	ONE BOTTLE

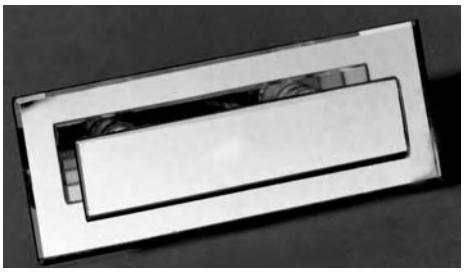
Purchase Kit of all 3 Products -	STOCK NO.	Description	Contents	UNIT PKG.
	200-7100	Novus 1, Novus 2, and Novus 3	(3) 8 fl. oz. Bottles	ONE KIT

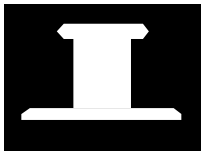
Glass Door Pulls and Knobs

Acrylic Door Knobs and Pulls

• Mirror Finish, Bevelled
• Stick-On Type
• Clear or Bronze

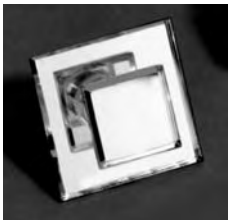
Our handmade, hand polished knobs and pulls have a smooth mirrored finish. A high quality, pressure sensitive adhesive backing allows for easy application to sliding glass showcase and vanity doors. No holes to drill, just peel off backing and apply directly to glass.

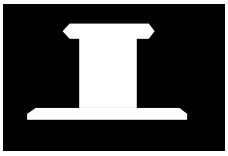




Rectangular Mirrored Pulls

STOCK NO.	Color	Base Size	UNIT PKG.
340-1705	Clear	5″ x 2″	ONE PULL
340-1706	Bronze	5″ x 2″	ONE PULL





Square Mirrored Pulls

STOCK NO.	Color	Base Size	UNIT PKG.
340-1703	Clear	1-3/4″ Square	ONE PULL
340-1704	Bronze	1-3/4″ Square	ONE PULL

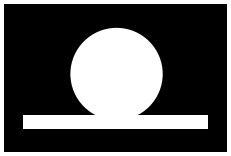




Cylindrical Mirrored Knobs

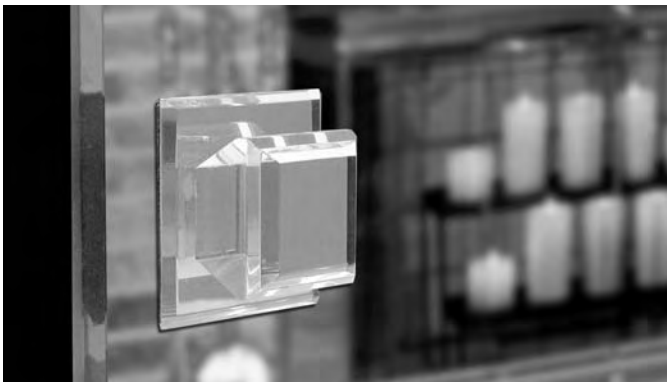
STOCK NO.	Color	Base Size	UNIT PKG.
340-1701	Clear	1″ x 1″	ONE KNOB
340-1702	Bronze	1″ x 1″	ONE KNOB





Ball Mirrored Knobs

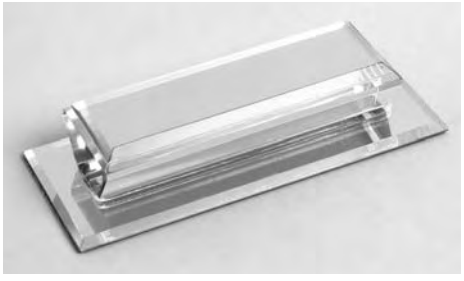
STOCK NO.	Color	Base Size	UNIT PKG.
340-1707	Clear	2″ Diameter	ONE KNOB
340-1708	Bronze	2″ Diameter	ONE KNOB



Hand Cut Acrylic Rectangular and Square Pulls

• Bevelled Edges
• Stick-On Type
• Clear

These contemporary pulls will definitely please designers and customers alike. They are slightly larger than regular pulls, giving them a distinctive look, while providing an easier grasp. Hand cut and hand polished. Self-stick backing easily applies on glass, mirrors and other surfaces.

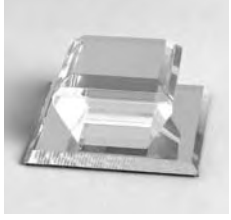


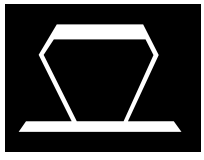


Rectangular Mirrored Pull

4-1/2″ x 1-1/4″ Pull
5-1/4″ x 2″ Backplate

STOCK NO.	Color	Backplate Size	UNIT PKG.
340-1711	Clear	5-1/4″ x 2″	ONE PULL





Square Mirrored Pull

1-1/2″ Square Knob
2″ Square Backplate

STOCK NO.	Color	Backplate Size	UNIT PKG.
340-1710	Clear	2″ Square	ONE KNOB

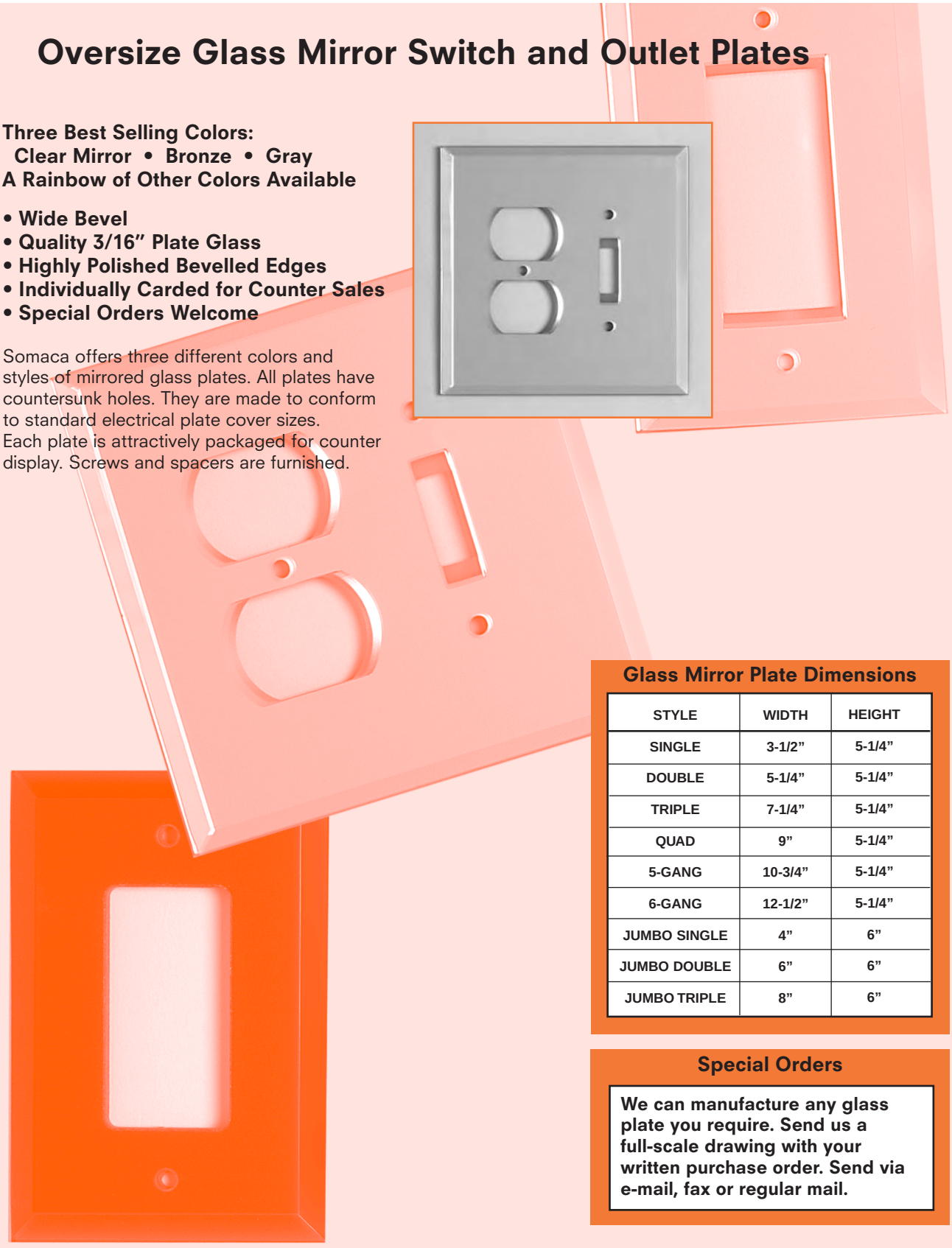
Glass Mirror Switch Plates

Oversize Glass Mirror Switch and Outlet Plates

Three Best Selling Colors:
Clear Mirror • Bronze • Gray
A Rainbow of Other Colors Available

- **Wide Bevel**
- **Quality 3/16" Plate Glass**
- **Highly Polished Bevelled Edges**
- **Individually Carded for Counter Sales**
- **Special Orders Welcome**

Somaca offers three different colors and styles of mirrored glass plates. All plates have countersunk holes. They are made to conform to standard electrical plate cover sizes. Each plate is attractively packaged for counter display. Screws and spacers are furnished.



Glass Mirror Plate Dimensions

STYLE	WIDTH	HEIGHT
SINGLE	3-1/2"	5-1/4"
DOUBLE	5-1/4"	5-1/4"
TRIPLE	7-1/4"	5-1/4"
QUAD	9"	5-1/4"
5-GANG	10-3/4"	5-1/4"
6-GANG	12-1/2"	5-1/4"
JUMBO SINGLE	4"	6"
JUMBO DOUBLE	6"	6"
JUMBO TRIPLE	8"	6"

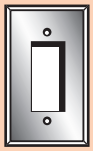
Special Orders

We can manufacture any glass plate you require. Send us a full-scale drawing with your written purchase order. Send via e-mail, fax or regular mail.

Glass Mirror Switch Plates

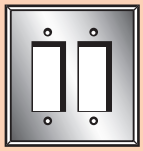
Decora Switch Plates

Decora



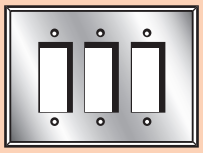
STOCK NO.	Color	UNIT PKG.
343-2660	Clear	1
343-2688	Bronze	1
343-2760	Gray	1

Double Decora



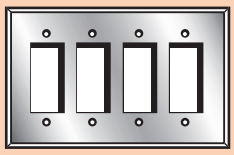
STOCK NO.	Color	UNIT PKG.
343-2659	Clear	1

Triple Decora



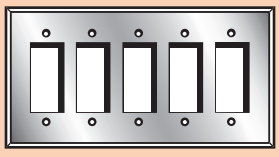
STOCK NO.	Color	UNIT PKG.
343-2657	Clear	1

Quad Decora



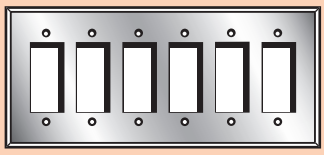
STOCK NO.	Color	UNIT PKG.
343-2651	Clear	1

5-Gang Decora



STOCK NO.	Color	UNIT PKG.
343-2672	Clear	1

6-Gang Decora



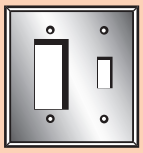
STOCK NO.	Color	UNIT PKG.
343-2673	Clear	1

Decora Duplex



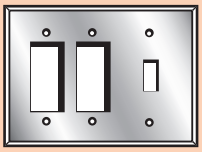
STOCK NO.	Color	UNIT PKG.
343-2656	Clear	1

Decora Switch



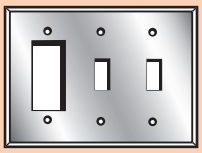
STOCK NO.	Color	UNIT PKG.
343-2658	Clear	1

Double Decora Switch



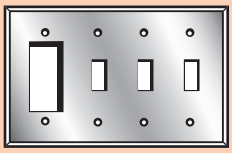
STOCK NO.	Color	UNIT PKG.
343-2678	Clear	1

Decora Double Switch



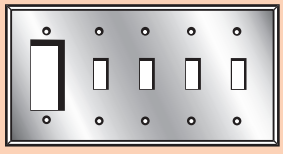
STOCK NO.	Color	UNIT PKG.
343-2679	Clear	1

Decora Triple Switch



STOCK NO.	Color	UNIT PKG.
343-2680	Clear	1

Decora Four Switch



STOCK NO.	Color	UNIT PKG.
343-2689	Clear	1

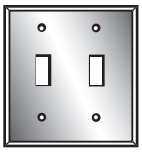
Glass Mirror Switch Plates

Switch



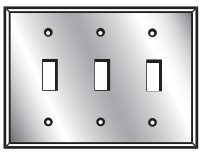
STOCK NO.	Color	UNIT PKG.
343-2661	Clear	1
343-2681	Bronze	1
343-2671	Gray	1

Double Switch



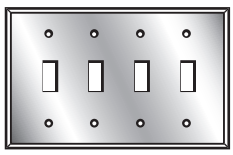
STOCK NO.	Color	UNIT PKG.
343-2663	Clear	1
343-2683	Bronze	1
343-2677	Gray	1

Triple Switch



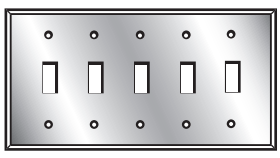
STOCK NO.	Color	UNIT PKG.
343-2666	Clear	1

Quad Switch



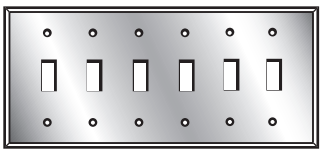
STOCK NO.	Color	UNIT PKG.
343-2670	Clear	1

5-Gang Switch



STOCK NO.	Color	UNIT PKG.
343-2690	Clear	1

6-Gang Switch



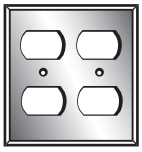
STOCK NO.	Color	UNIT PKG.
343-2691	Clear	1

Duplex



STOCK NO.	Color	UNIT PKG.
343-2662	Clear	1
343-2682	Bronze	1
343-2674	Gray	1

Double Duplex



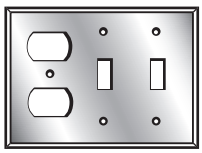
STOCK NO.	Color	UNIT PKG.
343-2665	Clear	1
343-2687	Bronze	1
343-2676	Gray	1

Duplex Switch



STOCK NO.	Color	UNIT PKG.
343-2664	Clear	1
343-2686	Bronze	1
343-2675	Gray	1

Double Switch Duplex



STOCK NO.	Color	UNIT PKG.
343-2669	Clear	1

Dimmer 1/2" Hole



STOCK NO.	Color	UNIT PKG.
343-2667	Clear	1
343-2684	Bronze	1

Phone 1-3/8" Hole



STOCK NO.	Color	UNIT PKG.
343-2668	Clear	1
343-2685	Bronze	1

Pliers

Cee Tee Co.® Combination



These pliers are designed for gripping and turning round objects such as pipes, rods and pins. Features a curved jaw combination with machined gripping teeth and a wire cutter. Forged from carbon steel and accurately machined, hardened and tempered. Bright, plated finish.

STOCK NO.	Length	Capacity	Weight	UNIT PKG.
211-4526	6-1/2″	1″	8 oz.	ONE
211-4527	8″	1″	9.6 oz.	ONE

Straight Jaws



Features straight jaws and self-locking jaw adjustment. Made from the finest quality tool steel, grips all shapes like rods, pipes and cable connections. Precision milled ribs assure a smooth, positive interlock between the two halves with no chance of the halves separating or jumping out of the grooves. Tool is forged, hardened and tempered with red non-slip cushion handle grips.

STOCK NO.	Length	Capacity	Weight	UNIT PKG.
211-4611	7″	1-1/8″	7.04 oz.	ONE
211-4612	10″	1-1/2″	15.04 oz.	ONE
211-4616	12″	2-1/2″	25.18 oz.	ONE

Box Joint Pliers



Made of drop-forged chrome vanadium steel for the strongest loads. Self-gripping jaws are designed for non-slip operation on round, hexagonal and square work pieces. Seven-position box joint for variable adjustments and work piece sizes. The box joint insures the tool adjustment position doesn't slip under load. The handle and joint is designed to prevent the operator's fingers from being squeezed. Plastisol handle improves grip and comfort. Thin jaw allows access to tight work areas.

STOCK NO.	Length	Capacity	Weight	UNIT PKG.
211-4651	12″	2″	17.30 oz.	ONE

Long Chain Nose Side Cutting



Designed for reaching confined areas. Long chain nose with fine serrated jaws useful for making wire loops and bends. Electronically induction hardened and hand-honed, keen side cutting edges. Made of forged alloy tool steel and individually tested for strength and cutting ability. Polished head.

STOCK NO.	Length	"A" Length	Weight	UNIT PKG.
211-4654	6-5/8″	1-7/8″	6.08 oz.	ONE
211-4653	7-1/2″	2-21/32″	7.04 oz.	ONE

Robo-Grip® - The Smart Pliers



- **Patented Design Adjusts Jaws Automatically**
- **Laminated Steel Construction Adds Extra Strength**
- **Spring Loaded Design Allows for One-Handed Use**
- **Multiple Rack Teeth for 9 Different Jaw Settings**

Professional Robo-Grip Pliers are designed to self adjust around any object. Spring loaded for one-handed operation. Exclusive cam mechanism adjusts as quickly as you can squeeze the handle. Grip to 1-1/2″.

STOCK NO.	Description	UNIT PKG.
211-5510	9″ Straight Jaw	ONE
211-5509	9″ Curved Jaw	ONE
211-5511	9″ Notched Jaw	ONE
211-5512	Robo Guards - Protect Finishes	5 PAIR

Heavy-Duty Diagonal Cutter



Designed for heavy-duty wire cutting with electronically induction hardened and hand-honed, long-lasting cutting edges. Made of forged alloy tool steel and individually tested for strength and cutting ability. Polished head with red non-slip cushion handle grips. Head is angled for offset cutting with semi-flush cutting edges.

STOCK NO.	Description	UNIT PKG.
211-4661	8″ Heavy Duty Diagonal Cutter	ONE

Glass Furniture Connectors

Heavy Plate Glass Connectors

Metal Clamps have Plastic Screws with Cushions for 3/8", 1/2" and 3/4" Glass

Create beautiful glass furniture with Somaca's heavy plate glass connectors. All connectors are solid anodized aluminum and offered in three popular finishes and four different configurations.

2-Way Connectors



STOCK NO.	Glass Size	Finish	UNIT PKG.
320-1000	3/8"	Chrome	ONE
320-1001	3/8"	Gold	ONE
320-1002	3/8"	Black	ONE
320-1003	1/2"	Chrome	ONE
320-1004	1/2"	Gold	ONE
320-1005	1/2"	Black	ONE
320-1006	3/4"	Chrome	ONE
320-1007	3/4"	Gold	ONE
320-1008	3/4"	Black	ONE

3-Way "T" Connectors



STOCK NO.	Glass Size	Finish	UNIT PKG.
320-1009	3/8"	Chrome	ONE
320-1010	3/8"	Gold	ONE
320-1011	3/8"	Black	ONE
320-1012	1/2"	Chrome	ONE
320-1013	1/2"	Gold	ONE
320-1014	1/2"	Black	ONE
320-1015	3/4"	Chrome	ONE
320-1016	3/4"	Gold	ONE
320-1017	3/4"	Black	ONE

3-Way "Y" Connectors



STOCK NO.	Glass Size	Finish	UNIT PKG.
320-1018	3/8"	Chrome	ONE
320-1019	3/8"	Gold	ONE
320-1020	3/8"	Black	ONE
320-1021	1/2"	Chrome	ONE
320-1022	1/2"	Gold	ONE
320-1023	1/2"	Black	ONE
320-1024	3/4"	Chrome	ONE
320-1025	3/4"	Gold	ONE
320-1026	3/4"	Black	ONE

4-Way Connectors



STOCK NO.	Glass Size	Finish	UNIT PKG.
320-1027	3/8"	Chrome	ONE
320-1028	3/8"	Gold	ONE
320-1029	3/8"	Black	ONE
320-1030	1/2"	Chrome	ONE
320-1031	1/2"	Gold	ONE
320-1032	1/2"	Black	ONE
320-1033	3/4"	Chrome	ONE
320-1034	3/4"	Gold	ONE
320-1035	3/4"	Black	ONE

Display Support Connectors

"CUBIDIZER" Connectors

Metal Clamps with Plastic Screws for 1/8", 3/16" & 7/32" Glass



2-Way 90° Connector
STOCK NO. 320-2822 - Chrome
STOCK NO. 320-2832 - Brass
UNIT PKG: ONE



3-Way 90° Connector
STOCK NO. 320-2823 - Chrome
STOCK NO. 320-2833 - Brass
UNIT PKG: ONE



4-Way 90° Connector
STOCK NO. 320-2824 - Chrome
STOCK NO. 320-2834 - Brass
UNIT PKG: ONE



Hinge Connector
STOCK NO. 320-2830 - Chrome
STOCK NO. 320-2840 - Brass
UNIT PKG: ONE

Create Maximum Visibility and Increase Product Exposure

Solve all of your retail display needs with our selection of metal or plastic connectors. A multitude of display unit designs are possible. The metal connectors have soft plastic screws that, after tightening, will safely and securely hold glass, plastic or mirror. The plastic connectors have a 1/2" deep slot to tightly grip glass after sliding in or tapped in using a soft faced hammer.



"CUBIDIZER" Connectors

Clear Plastic Connectors for 7/32" Glass



2-Way Connector
STOCK NO. 320-2802
UNIT PKG: ONE



3-Way Connector
STOCK NO. 320-2803
UNIT PKG: ONE



4-Way Connector
STOCK NO. 320-2804
UNIT PKG: ONE

"CADENCE" Connectors

Clear Plastic Connectors for 3/16" & 1/4" Tempered Glass



2-Way Connector
STOCK NO. 320-2815 - for 3/16"
STOCK NO. 320-2842 - for 1/4"
UNIT PKG: ONE



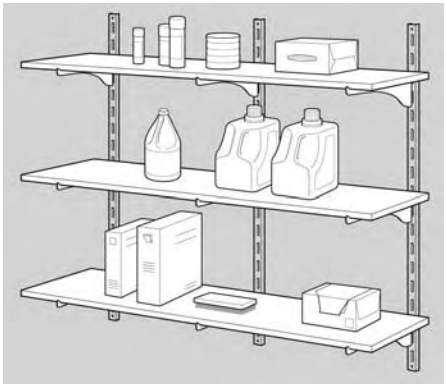
3-Way Connector
STOCK NO. 320-2816 - for 3/16"
STOCK NO. 320-2843 - for 1/4"
UNIT PKG: ONE



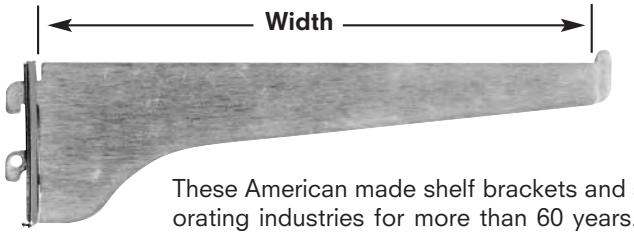
4-Way Connector
STOCK NO. 320-2817 - for 3/16"
STOCK NO. 320-2844 - for 1/4"
UNIT PKG: ONE

KV Shelf Brackets and Standards

No. 180 Heavy Duty Steel Boltless Brackets



- **High Quality, High Strength Steel Components for Decorative or Utility Uses**
- **Special Friction Grip Insures Perfect Alignment for Shelves**
- **Ideal for Use on Walls, Retail Displays, and Showcases**
- **Available in 7 Finishes**



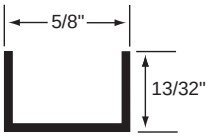
These American made shelf brackets and standards have been the choice of the glazing, hardware and decorating industries for more than 60 years. KV steel standards and brackets make building shelf units easy. Versatility and flexibility of design, and high quality precision fitted pieces make them perfect for most shelving requirements. They can be used in display and showcases and in utility and storage applications.

	AVAILABLE FINISHES - UNIT PKG: ONE BRACKET						
WIDTH	Anochrome	Satin Brass	Black Powder Coat	Gray Powder Coat	White Powder Coat	Almond Powder Coat	Brown Powder Coat
4"	330-8104	330-8304	330-8224	330-8324	330-8504	N/A	N/A
6"	330-8106	330-8306	330-8226	330-8326	330-8506	330-8406	330-8426
8"	330-8108	330-8308	330-8221	330-8328	330-8508	330-8408	330-8428
10"	330-8110	330-8310	330-8300	330-8330	330-8510	330-8410	330-8430
12"	330-8112	330-8312	330-8220	330-8332	330-8512	330-8412	330-8432
14"	330-8114	330-8314	330-8227	330-8334	330-8514	330-8414	330-8434
16"	330-8116	330-8316	330-8301	330-8336	330-8516	330-8416	330-8436
18"	330-8118	330-8318	330-8228	N/A	N/A	N/A	N/A



KV No. 80 Heavy Duty Steel Slotted Standards

For Use With KV Boltless Brackets



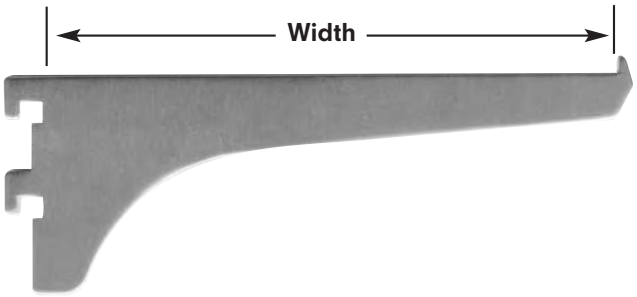
	AVAILABLE FINISHES - UNIT PKG: ONE LENGTH						
LENGTH	Anochrome	Satin Brass	Black Powder Coat	Gray Powder Coat	White Powder Coat	Almond Powder Coat	Brown Powder Coat
24"	332-8024	332-8224	332-8324	332-8424	332-8524	332-8724	332-8824
36"	332-8036	332-8236	332-8336	332-8436	332-8536	332-8736	332-8836
48"	332-8048	332-8248	332-8348	332-8448	332-8548	332-8748	332-8848
60"	332-8060	332-8260	330-8222	332-8460	332-8560	332-8760	330-8460
72"	332-8072	332-8272	330-8400	332-8472	332-8572	332-8772	330-8461

somaca MAYWOOD series

Flange-Free Aluminum Shelf Brackets

Available in 5 Designer Finishes

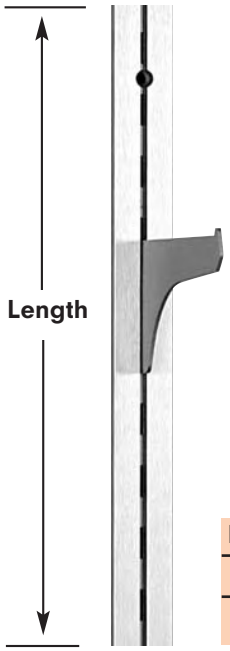
- High Quality Brackets - Ideal for Use on Walls, Retail Displays, and Showcases
- "Hidden" Slot Openings Won't Detract from Display
- Available in 5 Finishes



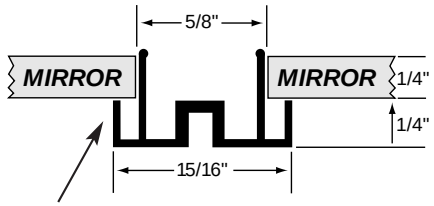


A contemporary, smart-looking bracket designed to fit into the recessed, hidden slot openings in mirror and regular standards. Once inserted into the standard, it gives the appearance of a one-piece molded unit. No bulky shoulders or sterile looking surface slots to detract from the beauty of the shelf, mirror, or your display.

	AVAILABLE FINISHES - UNIT PKG: ONE BRACKET				
WIDTH	Aluminum Anodized	Brite Silver	Gold Anodized	Brite Gold	Dark Bronze
4"	334-7004	334-7204	334-8004	334-8204	334-9004
6"	334-7006	334-7206	334-8006	334-8206	334-9006
8"	334-7008	334-7208	334-8008	334-8208	334-9008
10"	334-7010	334-7210	334-8010	334-8210	334-9010
12"	334-7012	334-7212	334-8012	334-8212	334-9012



somaca MAYWOOD series



Standard Overlaps Mirror

Aluminum Mirror Wall Standards

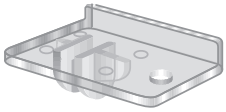
With Recessed Slots

Enhance the beauty of mirrored walls, back bars and mirror squares with aluminum standards from our Maywood series. They can also be used with wall paneling in the same manner as mirrors. Slightly wider than regular standards, they are designed to overlap mirrors or paneling up to 1/4" thick.

	AVAILABLE FINISHES - UNIT PKG: ONE LENGTH				
LENGTH	Aluminum Anodized	Brite Silver	Gold Anodized	Brite Gold	Dark Bronze
48"	334-7148	334-7248	334-8148	334-8248	334-9148
72"	334-7172	334-7272	334-8172	334-8272	334-9172

Standard & Bracket Support Accessories

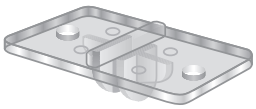
Front Rest Handed



Clear plastic front rests are used at front end of center brackets when shelf extends in one direction. Right and left hand.

STOCK NO.	Handed	UNIT PKG.
330-1113	Left	100
330-1103	Right	100

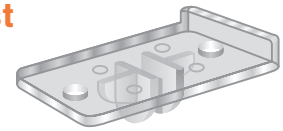
Back Rest With Lug



Clear plastic back rests are used at the back end of center brackets. Dividing lug for intersection of meeting shelves.

STOCK NO.	UNIT PKG.
330-1112	100

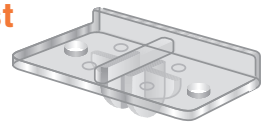
End Rest



Clear plastic end rests are used right or left at either end of the bracket.

STOCK NO.	UNIT PKG.
330-1106	100

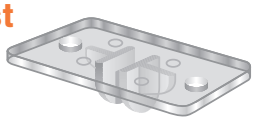
Front Rest With Lug



Clear plastic front rests are used at the front end of center brackets. Dividing lug for intersection of meeting shelves.

STOCK NO.	UNIT PKG.
330-1114	100

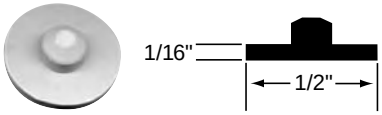
Back Rest



Clear plastic back rests are used at the back end of center brackets when shelf extends over to the next bracket.

STOCK NO.	UNIT PKG.
330-1104	100

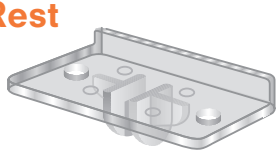
Gray Rubber Cushion



Cushions fit into holes on front and back rests. 1/2" dia., 1/16" pad.

STOCK NO.	Dia.	UNIT PKG.
330-1129	1/2"	100

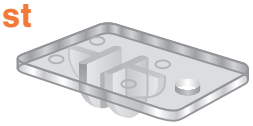
Front Rest



Clear plastic front rests are used at the front end of center brackets when shelf extends over to the next bracket.

STOCK NO.	UNIT PKG.
330-1111	100

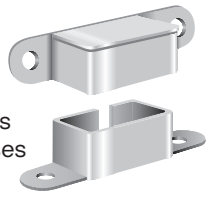
Back Rest



Clear plastic back rests are used at the back end of center brackets when shelf extends only in one direction.

STOCK NO.	UNIT PKG.
330-1105	100

Sockets Anochrome



The sockets hold KV No. 80 Standards installed in showcases or cabinets.

STOCK NO.	Type	UNIT PKG.
330-1107	Top	100
330-1108	Bottom	100

Steel Pin Type Shelf Supports



Bookcase shelf supports have a 1/4" or 5mm pin diameter. Pins available with holes (use a cushion) or with vinyl tip to maximize glass protection when screwed into hardwood.

STOCK NO.	Lip	Finish	Contents	UNIT PKG.
334-6346	3/4" with Hole	Zinc	100	ONE BOX
334-6347	7/8" Vinyl Tip	Zinc	100	ONE BOX

Steel Pin Type Shelf Supports

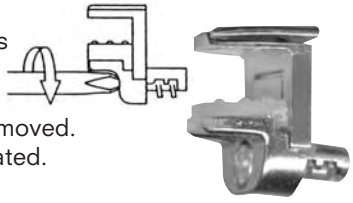
Fits 1/4" Holes in Wood and Masonite



Pin diameter is 7/32". Pin length 1/2". Zinc plated.

STOCK NO.	Lip	Width	Contents	UNIT PKG.
334-6333	13/32"	9/16"	100	ONE BAG

Locking Glass Shelf Supports

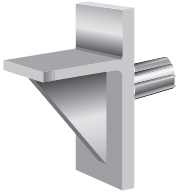


These unique shelf supports prevent shelves from tipping as well as being unintentionally lifted and removed. Finish is zinc alloy nickel-plated. Hole size is 5mm (3/16").

STOCK NO.	Description	Contents	UNIT PKG.
334-6349	For 1/4"- 3/8" Glass	20	ONE PKG.
334-6350	For 3/8"- 1/2" Glass	20	ONE PKG.

Plastic Pin Type Shelf Supports

Tan and Clear



Ideal for use with shelves in bookcases and cabinets, these supports are available in tan or clear plastic. Ribbed pin. Pin diameter is 1/4". Pin length 7/16".

STOCK NO.	Color	Lip	Width	Contents	UNIT PKG.
334-6335	Tan	1/2"	1/2"	100	ONE BOX
334-6336	Clear	1/2"	1/2"	100	ONE BOX

Display Hardware

KV233 Standard for Surface Mounting



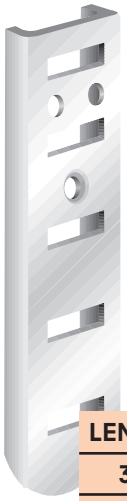
19 Gauge Steel

- Shelves are Adjustable Every Half Inch
- Standard is Numbered to Simplify Adjustment and for Perfect Alignment of Shelves

These standards are easily installed without grooving the wood. Screw holes every 6″ on center. 13/16″ wide x 3/16″ high.

	UNIT PKG: FOUR STANDARDS	
LENGTH	Zinc	Brass
48″	332-2550	332-2552
72″	332-2551	332-2553

KV255 Standard for Flush or Surface Mounting



19 Gauge Steel

- Can be Set in Flush or Surface Mounted
- Shelves are Adjustable Every Half Inch
- Standard is Numbered

This narrow standard shows less metal than wider standards. Screw holes every 6″ on center. 5/8″ wide x 3/16″ high.

	UNIT PKG: FOUR STANDARDS		
LENGTH	Zinc	Brass	White
36″	332-2561	332-2564	332-2567
48″	332-2562	332-2565	332-2568
60″	332-2563	332-2566	332-2569
72″	332-2572	332-2574	332-2575

Supports for KV233 and KV255 Standards



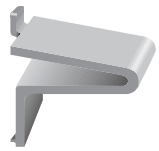
KV237 - 1″ lip x 13/16″ wide.
For use with KV233 standard only.

STOCK NO.	Finish	UNIT PKG.
332-3254	Zinc	100



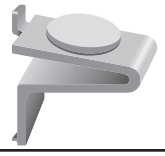
KV239 - 13/16″ lip x 5/8″ wide. For use with KV233 & KV255 standards.

STOCK NO.	Finish	UNIT PKG.
332-3255	Zinc	100



KV256 - 3/4″ lip x 5/8″ wide.
For use with KV233 & KV255 standards.

STOCK NO.	Finish	UNIT PKG.
332-3256	Zinc	100
332-3257	Brass	100
332-3259	White	100



KV256R - 3/4″ lip x 5/8″ wide with rubber cushion. Use with KV233 & KV255.

STOCK NO.	Finish	UNIT PKG.
332-3258	Zinc	100

Clear Lucite Shelf Brackets

These beautifully designed shelf brackets are ideal to enhance mirror installations or form shelving systems. They can be used alone or with spacers between brackets (spacers available on special order). The heavy 1/4″ bevelled mirror back covers chips where screw hole is drilled. Back widths are all the same so bracket sizes may be mixed to form shelving system. **All brackets come with screws, plastic anchors, and screw covers to hide screw heads for a totally mirrored look.**



Open Style - With Lip

- Traditional Style Brackets Have an Elegant Look
- Recommended for Lighter Loads
- Can be Used With or Without Back Plate
- Available with No Back Plate on Special Order

STOCK NO.	Bracket	Back Plate	UNIT PKG.
333-1004	4″	3″ x 6″	ONE PAIR
333-1006	6″	3″ x 8″	ONE PAIR
333-1008	8″	3″ x 10″	ONE PAIR

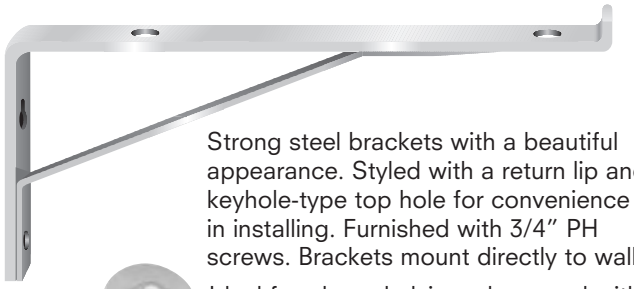


Solid Style - No Lip

- Strongest Brackets
- Clear Acrylic Tip with Mirrored Back Plate
- Can be Used Alone or With Spacers to Give the Look of a Bevelled Overlay
- Available With Clear Back Plate on Special Order

STOCK NO.	Bracket	Back Plate	UNIT PKG.
333-0904	4″	3″ x 6″	ONE PAIR
333-0906	6″	3″ x 8″	ONE PAIR
333-0908	8″	3″ x 10″	ONE PAIR

Keyhole Steel Shelf Brackets



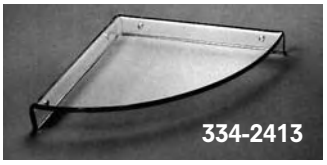
Strong steel brackets with a beautiful appearance. Styled with a return lip and keyhole-type top hole for convenience in installing. Furnished with 3/4" PH screws. Brackets mount directly to wall.



Ideal for glass shelving when used with Stock No. 330-1129 rubber cushion.

STOCK NO.	Size	Finish	UNIT PKG.
334-2404	4"	Anochrome	ONE BRACKET
334-2406	6"	Anochrome	ONE BRACKET
334-2408	8"	Anochrome	ONE BRACKET
334-2412	12"	Anochrome	ONE BRACKET

Clear Acrylic Screw-In Shelves



- 1/4" Clear Acrylic
- Pre-Drilled Screw Holes
- 8-1/4" x 8-1/4" x 1-1/4"



- 1/4" Clear Acrylic
- Pre-Drilled Screw Holes
- 2-1/2" High Back
- 6" Deep x 18" Long

STOCK NO.	Description	UNIT PKG.
334-2413	Corner Shelf	ONE SHELF
334-2414	Standard Shelf	ONE SHELF

Zip-It™ Self-Drilling Nylon Drywall Anchors



One-Piece Anchor for Mounting to Gypsum Wallboard

- Screw is Removable, Electrically Non-Conductive
- 50 Anchors, 50 Screws and #2 Power Bit in Kit

DuPont® nylon anchors install in seconds and can be unscrewed for use again. Sharp, tri-cut points easily penetrate wallboard without hammering. Just place a #2 Phillips bit in the anchor head and turn - anchor drills itself into the wall. Each anchor holds 50 lbs. in 3/8" wallboard.

STOCK NO.	Screw Size	Phillips Bit	Contents	UNIT PKG.
310-2348	8 x 1"	#2	50	ONE KIT
310-2351	6 x 1"	#2	50	ONE KIT
310-1630	8 x 1"	#2	100	ONE BOX

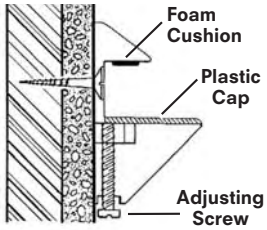
NOTE: See Pages 289, 292-295 for Complete Listing of Screws and Anchors.

Adjustable Shelf Brackets

For Glass and Wood Shelves



- **For Glass Shelves Up to 3/4" Thick**
- **Suitable for Board Shelves from 1/8" to 15/16" Thick**
- **For Shelves Up to 10" Deep**
- **One Screw Attachment and Thickness Adjustment**



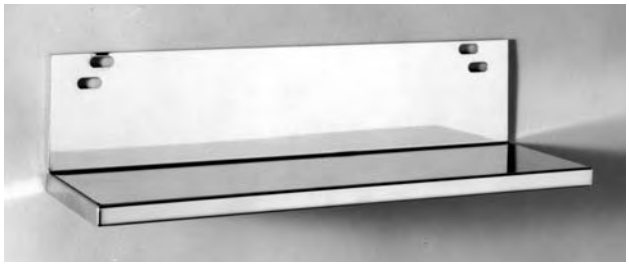


Attractive, clean styling of shelf bracket adds a contemporary look to your installation. Just tighten adjustment screw to grip and hold shelf firmly in place.

Carded Set Consists of:
2 brackets, 2 screws, 2 caps and 2 cushions.

STOCK NO.	Finish	UNIT PKG.
349-4002	Polished Chrome	ONE SET
349-4003	Polished Brass	ONE SET
349-4001	Black	ONE SET
349-4000	White	ONE SET

Meek Brand Skyway Shelf



Add a 5" Meek shelf to mirror frames to display store sundries, etc. No extra work or parts are required to assemble and install.

- 18 gauge (1.16mm) 304 stainless steel
- 1/2" (13mm) drop edge, front edge hemmed
- Mounts behind Meek Angle or Channel frames
- Provides a 1-1/2" (38mm) backsplash between shelf surface and frame for easy cleaning of shelf

STOCK NO.	Finish	Shelf Size	UNIT PKG.
316-1716	Stainless Steel	5" W x 16" L	ONE SHELF
316-1718	Stainless Steel	5" W x 18" L	ONE SHELF
316-1724	Stainless Steel	5" W x 24" L	ONE SHELF

Shelving Kits

Decorative Glass Shelving Kits

Decorative Display Shelving Featuring the Shelf Anchor System



This innovative shelving idea is an excellent way to boost your retail sales. The Glass Shelf Kit from Knape & Vogt is guaranteed to attract the attention of discriminating buyers who want elegant fixtures to grace their homes. The Shelf Anchor is a one-piece support that grips the glass shelf along the full back edge and mounts almost anywhere. The finish is a smooth epoxy powder coating. Combined with a tempered glass shelf and properly installed, it easily supports a 50 pound load. The glass is 1/4" thick and tempered for maximum safety.

STOCK NO.	Glass Size	Shelf Color	Anchor Finish	UNIT PKG.
339-3068	6" x 18"	Clear	Brass	ONE KIT
339-3084	8" x 24"	Clear	Brass	ONE KIT
339-3168	6" x 18"	Clear	Chrome	ONE KIT
339-3184	8" x 24"	Clear	Chrome	ONE KIT
339-3194	6" x 18"	Clear	White	ONE KIT
339-3196	8" x 24"	Clear	White	ONE KIT
339-3198	6" x 18"	Clear	Black	ONE KIT
339-3200	8" x 24"	Clear	Black	ONE KIT

Corner Glass Shelf Kits

Decorative Display Shelving for Corners Featuring the Shelf Anchor System

- Tempered Glass
- Sleek design looks great in any room
- Easy to install in just minutes
- Accents living areas, baths and entry ways



KV Corner Arc Shelves are an innovative idea in shelving. They make every corner of a home, office or hotel more useful and attractive. Perfect for collectibles and antiques.

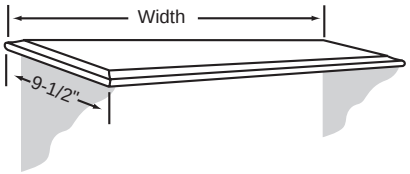
STOCK NO.	Glass Size	Shelf Color	Anchor Finish	UNIT PKG.
339-3012	12"	Clear	Brass	ONE KIT
339-3014	12"	Clear	Chrome	ONE KIT
339-3016	12"	Clear	White	ONE KIT
339-3018	12"	Clear	Black	ONE KIT

Decorative Wood Shelving Kits Series #2110

- **3/4" Thick Wood Shelf**
- **Features a Dowel Lock System to Secure Shelf to Brackets**
- **All Shelves are 9-1/2" Deep**

Standard Wood Shelf Kits





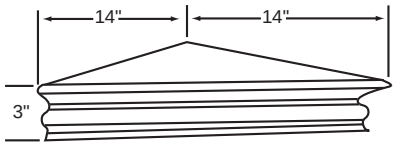
These solid wood, furniture-quality shelves are made from clear grade pine with finely detailed edges. Easy to install, all mounting hardware and instruction are included in kit. The shelf kits are available in painted white or are unfinished to allow you to stain to match existing woodwork color. They provide an elegant finish to any job.

STOCK NO.	Finish	Shelf Width	UNIT PKG.
339-3100	White	23"	ONE KIT
339-3102	White	35"	ONE KIT
339-3104	White	46"	ONE KIT
339-3106	Unfinished	23"	ONE KIT
339-3108	Unfinished	35"	ONE KIT
339-3110	Unfinished	46"	ONE KIT



Corner Wood Shelf Kits

- **Attractive Resale Packaging**

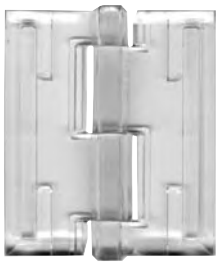


KV Corner Wood Shelves have a "crown moulding" style, 3" thick face. Available in painted white or unfinished wood. Installation instructions included.

STOCK NO.	Finish	Depth	UNIT PKG.
339-3020	White	14"	ONE KIT
339-3022	Unfinished	14"	ONE KIT

Acrylic Hinges and Display Accessories

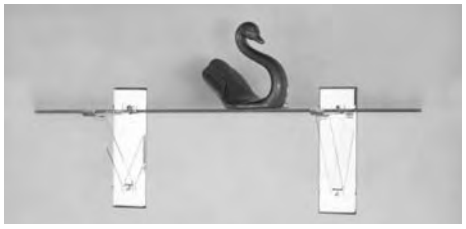
Acryl-Hinge



Acrylic Acryl-Hinges are completely transparent, a distinct benefit for use on bulk food cases. They can be installed in seconds using solvent cement on acrylic boxes, store fixtures, display cases, and places where metal hinges would distract. No hole drilling.

STOCK NO.	Color	Width	Length	UNIT PKG.
318-4180	Clear	1-1/2″	1-3/4″	ONE PAIR

Clear Lucite Shelf Brackets

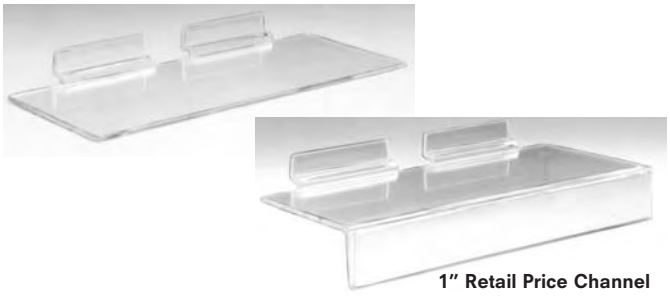


Open Style with Lip and Mirrored Back Plates

Clear lucite brackets and mirrored back mounting plates create a delicate look but are strong and durable. An all bevelled edge back plate provides extra coverage for chipped walls that might occur during drilling. They can be easily stacked to form a shelving system. Screws, wall anchors and mirrored screw head caps are furnished.

STOCK NO.	Bracket	Back Plate	UNIT PKG.
333-1004	4″	3″ x 6″	ONE PAIR
333-1006	6″	3″ x 8″	ONE PAIR
333-1008	8″	3″ x 10″	ONE PAIR

Slatwall One-Piece Clear Acrylic Display Shelves



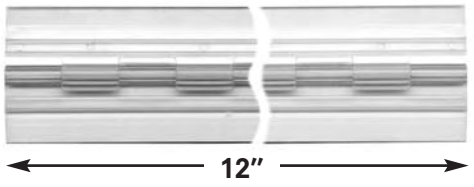
1″ Retail Price Channel

Slatwall shelf brackets are designed to be used with the Slatwall display systems used in many retail stores and outlets. Shelving can be easily arranged and rearranged in minutes, to create appealing displays for shoes, apparel accessories, etc. **Fluorescent color available on special order.**

STOCK NO.	Size	Mfg.'s No.	UNIT PKG.
333-1408	4″ x 8″	SW408A	ONE SHELF
333-1410	4″ x 10″	SW410A	ONE SHELF
	WITH 1″ PRICE CHANNEL		
333-1418	4″ x 8″	SW408WLA	ONE SHELF
333-1419	4″ x 9″	SW409WLA	ONE SHELF

Acrylic DR® Invisible Hinges

Extra Strength



This piano-type hinge saves time by replacing hinges that require drilling, tapping and riveting. Hinges may easily be cut to any size and are installed quickly with solvent cement. Recessed channel restricts solvent flow.

STOCK NO.	Color	Width	Length	UNIT PKG.
318-4178	Clear	1-3/4″	12″	ONE HINGE
318-4179	Black	1-3/4″	12″	ONE HINGE

Plas-Drills

For Drilling Plexiglass, Lucite and Acrylic
Fractional Sizes - Bright Finish



Steel Plas-Drills can be used on all types of plastic. They will not chip or grab, as the extremely sharp 90° point flutes cut through surfaces with ease. Use on plastic materials only.

ALL SIZES SOLD INDIVIDUALLY

STOCK NO.	Diameter	UNIT PKG.
212-1400	1/8″	ONE DRILL
212-1402	3/16″	ONE DRILL
212-1403	1/4″	ONE DRILL
212-1405	3/8″	ONE DRILL

Acrylic Solvent Cements

To adhere acrylic hinges, apply solvent cement using dispenser bottle. It will flow under hinge. Apply the high viscosity cement No. 33 to the exterior edges of hinge for added strength.



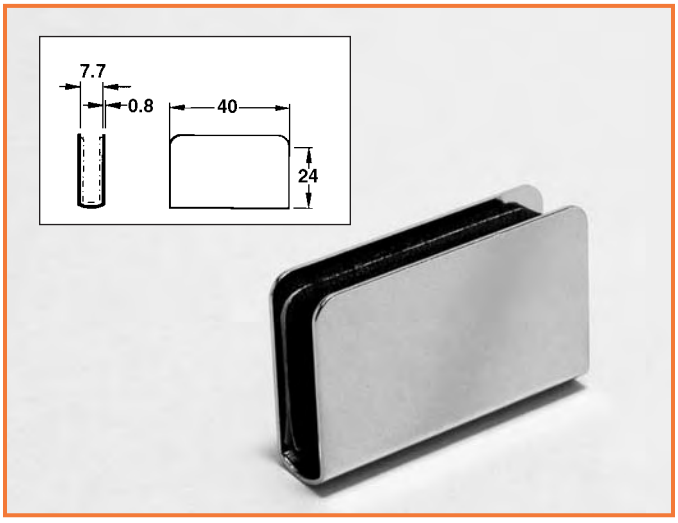
STOCK NO.	Description	Size	UNIT PKG.
335-2132	Solvent Cement	2 fl. oz.	ONE
335-2134	Dispenser Bottle	1/2 oz.	ONE
335-2133	Cement No. 33	1-1/2 oz.	ONE

Plastic Cutters



STOCK NO.	Description	UNIT PKG.
210-4370	Red Devil Plastic Cutter	ONE TOOL
210-4325	Somaca Folding Plastic Cutter	ONE TOOL

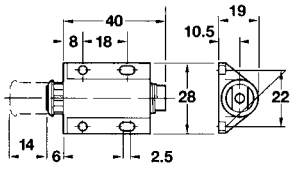
Strike Plates



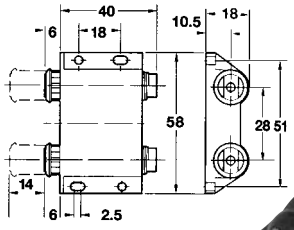
These strikes are used with the magnetic catches on glass doors. Slight pressure with finger is sufficient to open the door. Strikes fit 5 to 6mm glass. Rubber adhesive pad is included.

STOCK NO.	Description	Finish	UNIT PKG.
340-1811	Strike Plate	Brass	ONE
340-1803	Strike Plate	Black	ONE
340-1802	Strike Plate	Chrome	ONE

Magnetic Latches

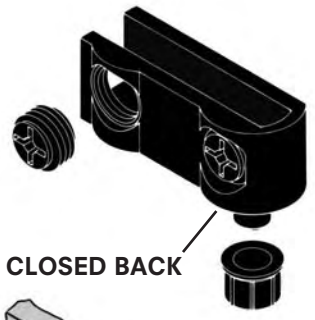


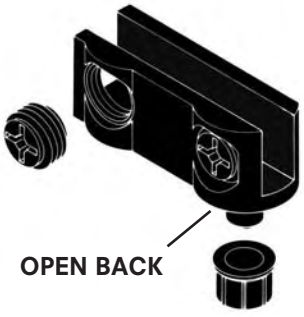


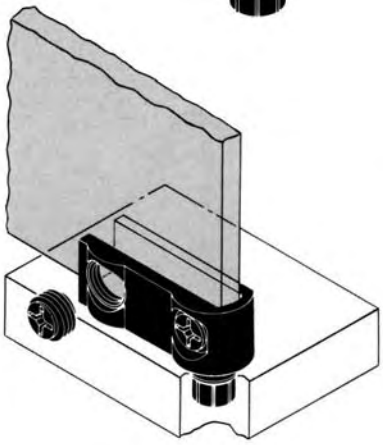




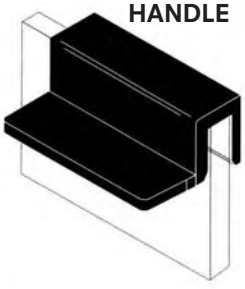
STOCK NO.	Description	Finish	UNIT PKG.
340-1804	Single Latch	Black	ONE
340-1805	Double Latch	Black	ONE







HANDLE



Titus

Glass Door Hinges

For Glass Cabinet Fabrication
Use with 4 to 5mm glass

Titus Plastic Hinges come complete as a one-piece set which includes two hinges, two bushing cups, and four screws. The bushing cups have a built-in retention feature that holds the upper hinge in place during glass door mounting for ease and safety. The "closed back" hinge is used in standard applications. The "open back" hinge is used in applications where more tolerance for drilling or glass are required.
The matching handle is designed to work with most magnetic touch latches.

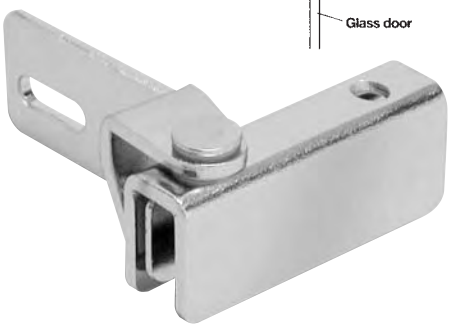
STOCK NO.	Description	Finish	UNIT PKG.
340-1853	Pivot Door Hinge (closed)	Black	ONE PAIR
340-1856	Pivot Door Hinge (open)	Black	ONE PAIR
340-1858	Pull Handle	Black	ONE HANDLE

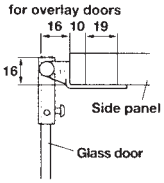
Audio/Video Metal Cabinet Hinges

• For Light Weight Glass Doors •

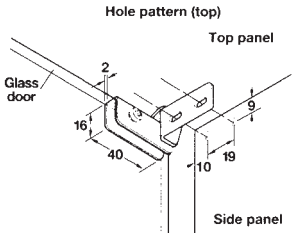
No-Bore Glass Door Hinges for Overlay Doors

*See note at bottom of page





Opening angle: 180°

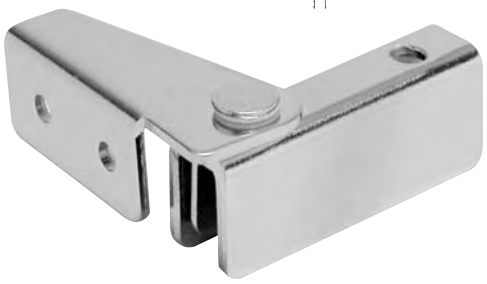


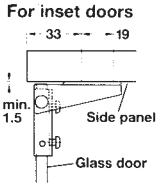
- Screw mounts to side of cabinet
- Overlays side 15mm (does not overlay top or bottom)
- Self-adhesive pressure plates and screws included
- Sold in pairs for right and left installation
- Glass thickness to 5mm (3/16")

STOCK NO.	Description	Finish	UNIT PKG.
340-1825	Door Hinge	Brass	ONE PAIR
340-1826	Door Hinge	Black	ONE PAIR
340-1827	Door Hinge	Chrome	ONE PAIR

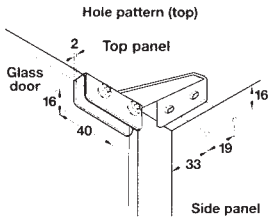
SOMACA No-Bore Glass Door Hinges for Inset Doors

*See note at bottom of page





Opening angle: 110°

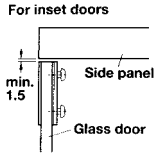


- Screw mounts to side of cabinet
- Self-adhesive pressure plates and screws included
- Sold in pairs for right and left installation
- Glass thickness to 5mm (3/16")

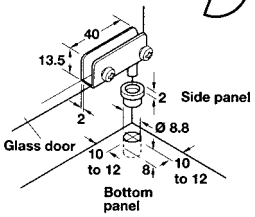
STOCK NO.	Description	Finish	UNIT PKG.
340-1845	Door Hinge	Brass	ONE PAIR
340-1846	Door Hinge	Black	ONE PAIR
340-1847	Door Hinge	Chrome	ONE PAIR

Glass Door Hinges with Bushings for Inset Doors





Opening angle: 110°



- Press fit bushing
- Self-adhesive pressure plates and screws included
- Sold in pairs for right and left installation
- Glass thickness to 6mm (1/4")

*See note at bottom of page

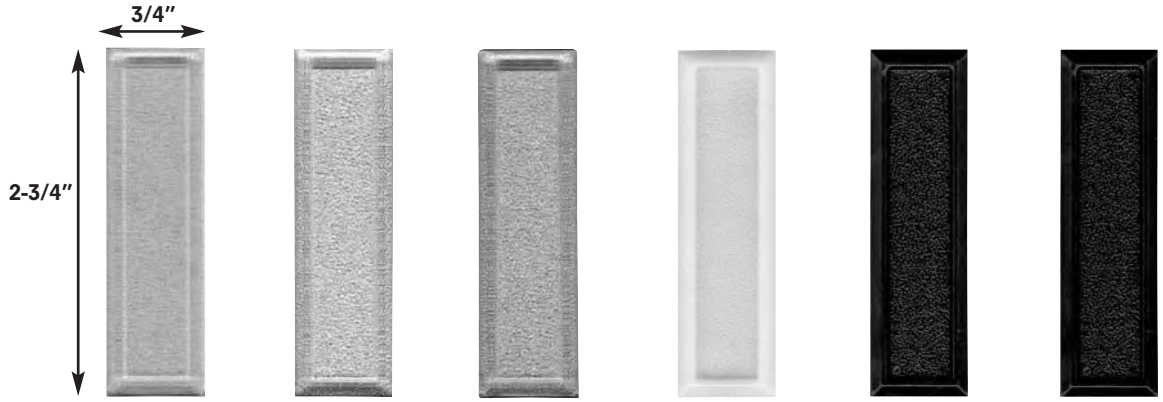
STOCK NO.	Description	Finish	UNIT PKG.
340-1810	Pivot Door Hinge	Brass	ONE PAIR
340-1801	Pivot Door Hinge	Black	ONE PAIR
340-1800	Pivot Door Hinge	Chrome	ONE PAIR

***Dimensions shown on mounting diagrams are only approximate. Please conduct trial mounting to determine exact dimensions. Dimensions shown are in millimeters.**

Plastic and Metal Finger Pulls

The **ORIGINAL** American Plastic Stick-On Finger Pulls

For Sliding Glass Panels - Textured Pulls Will Not Crack, Peel or Discolor



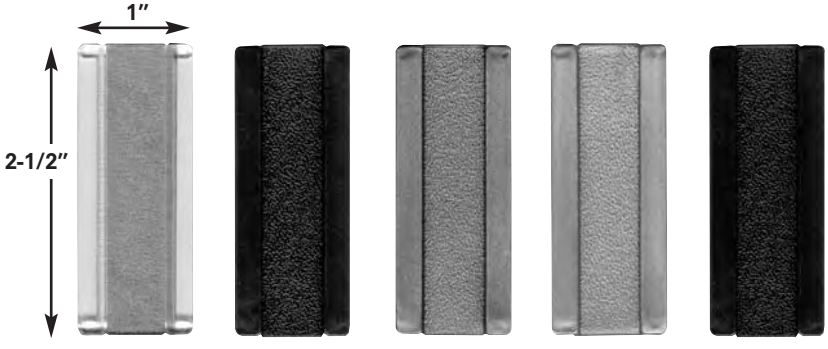
Clear/Textured | Aluminum | Gold | Off White | Black | Bronze

These American-made plastic finger pulls are designed for use on sliding glass doors and panels. There is no need to drill a hole, as the finger pull attaches itself firmly to glass surfaces by a 3M pressure sensitive adhesive material. Just pull off the protective backing paper, position the pull, and apply finger pressure. The pull is 1/8" thick, 2-3/4" high x 3/4" wide.

STOCK NO.	Color	UNIT PKG.
340-1880	Clear/Textured	ONE PULL
340-1886	Aluminum	ONE PULL
340-1887	Gold	ONE PULL
340-1888	Off White	ONE PULL
340-1889	Black	ONE PULL
340-1891	Bronze	ONE PULL

Plastic E-Z Push Finger Pulls

Raised Lip Design with Wider Center is Easier to Use



Clear | Bronze | Aluminum | Gold | Black



Finger Pull Jig

E-Z Push Stick-On Finger Pulls feature a raised lip and wider center which allows pull to be easily grasped. 3M adhesive backed. Pull is 2-1/2" high x 1" wide.
Finger pull jig aligns pull to insure it goes on straight.

STOCK NO.	Color	UNIT PKG.
340-1870	Clear	ONE PULL
340-1871	Bronze	ONE PULL
340-1876	Aluminum	ONE PULL
340-1877	Gold	ONE PULL
340-1879	Black	ONE PULL

STOCK NO.	Description	UNIT PKG.
340-1850	Finger Pull Jig	ONE

Button Style Finger Pulls

For Use on Glass Showcase Doors



340-4836
Steel Pull for 1/4" to 5/16" Glass



340-1837
White Plastic Adjustable 3/16" to 1/4"

Pulls require drilling a 13/16" hole in the glass for installation.

STOCK NO.	Style	Dia.	UNIT PKG.
340-4836	Thread Lock	1"	ONE PULL
340-1837	Snap On	1-1/8"	ONE PULL

Metal Sliding Window Pulls



For Custom Windows

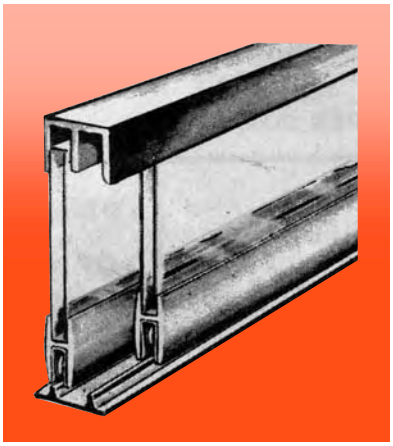
Pull 110-4418 is cadmium/steel, 110-4421 zinc/steel. Use on custom fabricated sliding glass windows, in trailers, field offices, off-the-road equipment, freezers, etc.
5/16" opening.

STOCK NO.	Length	Lip	UNIT PKG.
110-4418	5"	1/2"	ONE PULL
110-4421	2-1/2"	1-1/2"	ONE PULL

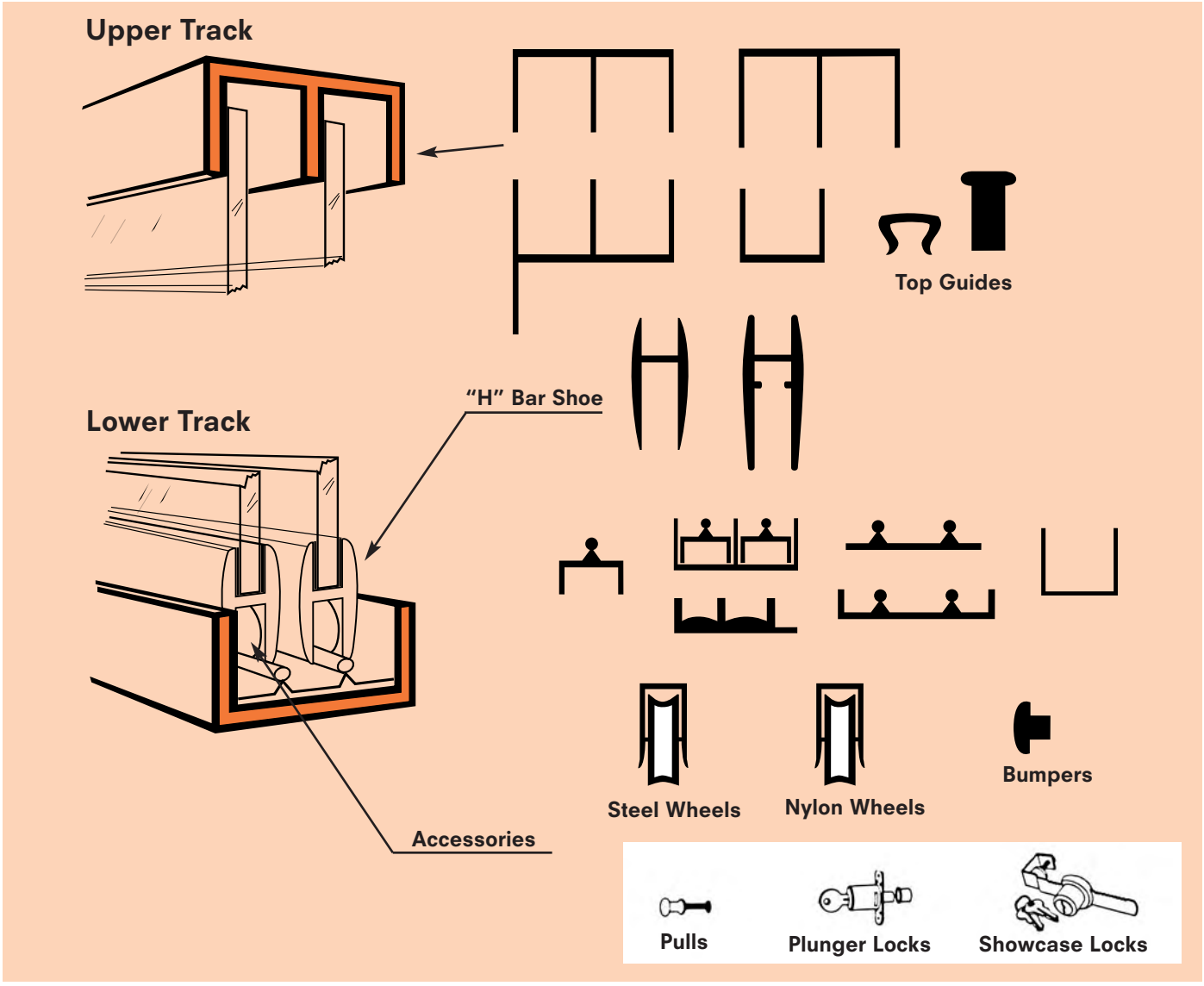
Track Assemblies for Sliding Doors

Anodized Aluminum Track Assembly Components

The aluminum extrusions and accessories on the following pages allow you to customize track assemblies. Made from the highest quality aluminum, Sommer & Maca extrusions are uniformly anodized. Our extrusions feature an electrical process that adds a thicker coat of oxidizing to the aluminum, which protects the metal from scratches, blemishes, moisture and heat. Sommer & Maca's track assemblies are available in a variety of commercial grade finishes. For standard track assemblies, see pages 432-440.



• Pass-Thru Windows for Offices, Stores, Museums, Information Centers or Homes
• Product Display Showcases • Trophy Cases • China and Curio Cabinets
• Book Cases • Gun Cases



Super-Silent Door Assemblies

"Super-Silent"

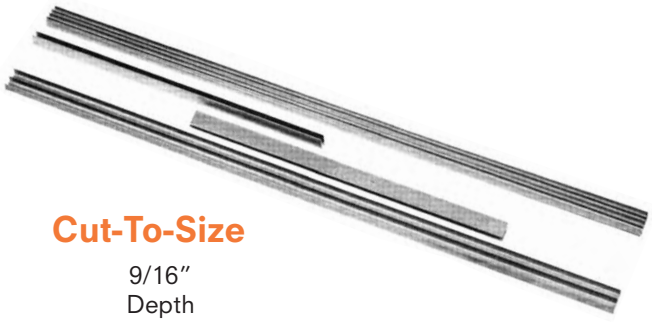
Packaged Satin Anodized Track Assemblies In Convenient Ready-to-Install Sizes - 36", 48", 60", and 72"

• Showcases • Book Cases • Trophy Cases • Gun Cabinets



"Super-Silent" hardware puts by-passing glass doors on wheels. This hardware is extruded from quality aluminum and has a smart design form in a corrosion-free anodized finish. "Super-Silent" is easy to install, long lasting and smooth operating. Choose from pre-packaged assemblies in four popular lengths; or open stock lengths easily cut to fit any opening up to twelve feet. Mix and match combinations to suit your customer's specifications.

VENTURA Economy Assemblies



Cut-To-Size

9/16" Depth



A



B



C



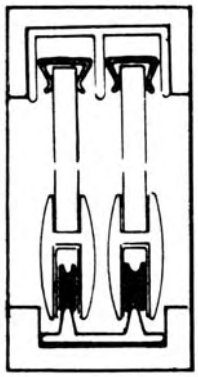
D



E

Components

A: 1 Length Aluminum Double Channel
B: 4 Plastic Guides
C: 2 Lengths Aluminum Glass Shoe
D: 4 Wheel Assemblies
E: 1 Length Aluminum Double Track

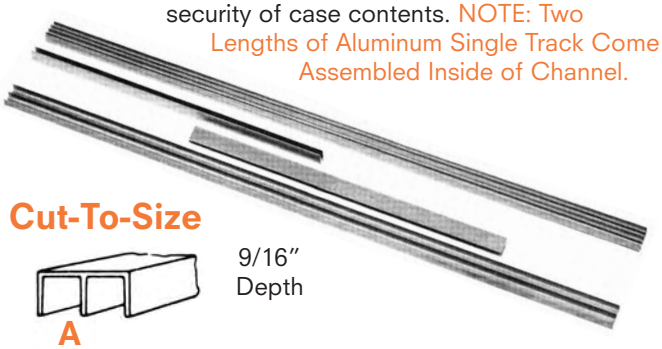


Cut Glass 1-1/2" Shorter than Opening

STOCK NO.	Finish	Size	UNIT PKG.
325-2136	Satin Anodized	36" (91.44cm)	ONE
325-2148	Satin Anodized	48" (121.92cm)	ONE
325-2160	Satin Anodized	60" (152.40cm)	ONE
325-2172	Satin Anodized	72" (182.88cm)	ONE
325-3136	Deluxe Silver	36" (91.44cm)	ONE
325-3148	Deluxe Silver	48" (121.92cm)	ONE
325-3160	Deluxe Silver	60" (152.40cm)	ONE
325-3172	Deluxe Silver	72" (182.88cm)	ONE
325-4136	Gold Polished	36" (91.44cm)	ONE
325-4148	Gold Polished	48" (121.92cm)	ONE
325-4160	Gold Polished	60" (152.40cm)	ONE
325-4172	Gold Polished	72" (182.88cm)	ONE

OAK BROOK Premium Assemblies

Deeper bottom components provide better security of case contents. NOTE: Two Lengths of Aluminum Single Track Come Assembled Inside of Channel.



Cut-To-Size

A

9/16" Depth



B



C



D



E

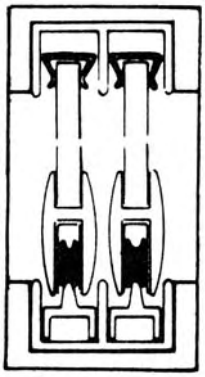


A

9/16" Depth

Components

A: 2 Lengths (Top, Bottom) Aluminum Double Channel
B: 4 Plastic Guides
C: 2 Lengths Aluminum Glass Shoe
D: 4 Wheel Assemblies
E: 2 Lengths Aluminum Single Track



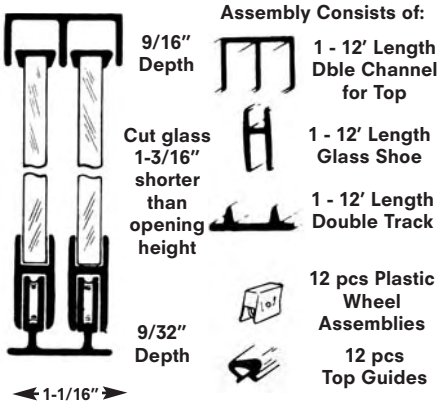
Cut Glass 1-1/2" Shorter than Opening

STOCK NO.	Finish	Size	UNIT PKG.
325-1136	Satin Anodized	36" (91.44cm)	ONE
325-1148	Satin Anodized	48" (121.92cm)	ONE
325-1160	Satin Anodized	60" (152.40cm)	ONE
325-1172	Satin Anodized	72" (182.88cm)	ONE
325-5136	Deluxe Silver	36" (91.44cm)	ONE
325-5148	Deluxe Silver	48" (121.92cm)	ONE
325-5160	Deluxe Silver	60" (152.40cm)	ONE
325-5172	Deluxe Silver	72" (182.88cm)	ONE
325-6136	Gold Polished	36" (91.44cm)	ONE
325-6148	Gold Polished	48" (121.92cm)	ONE
325-6160	Gold Polished	60" (152.40cm)	ONE
325-6172	Gold Polished	72" (182.88cm)	ONE

Super-Silent Door Assemblies

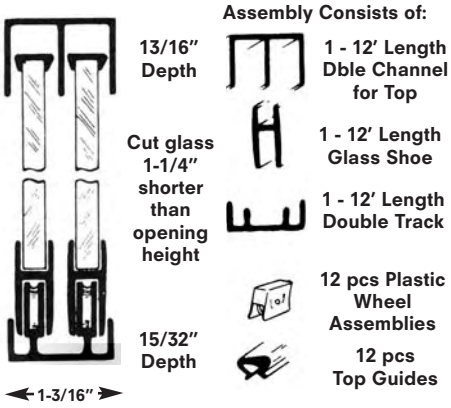
Bulk Packaged Aluminum Track Assemblies - 12′ Lengths

VENTURA



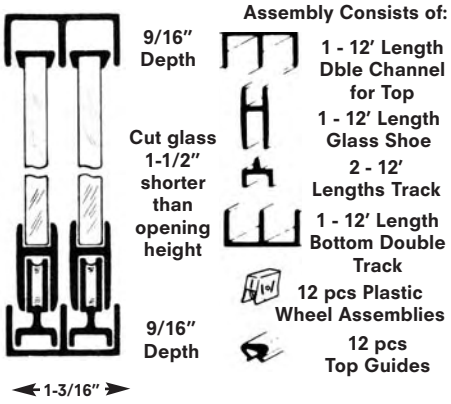
STOCK NO.	Finish
325-1321	Anodized Satin
325-1353	Duranodic Bronze
325-1350	Deluxe Silver
325-1352	Deluxe Gold

HARTFORD



STOCK NO.	Finish
325-1301	Anodized Satin
325-1305	Duranodic Bronze
325-1354	Deluxe Silver
325-1356	Deluxe Gold

OAK BROOK

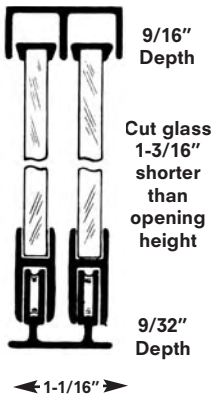


STOCK NO.	Finish
325-1331	Anodized Satin
325-1341	Duranodic Bronze
325-1351	Deluxe Silver
325-1361	Deluxe Gold

All Bulk Packaged Styles Have (9) Nine Complete Assemblies Per Case

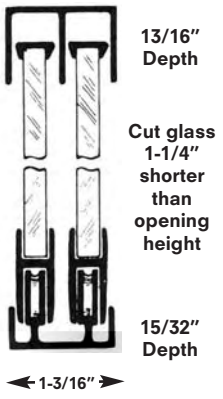
Single Packaged Aluminum Track Assemblies - 12′ Lengths

VENTURA



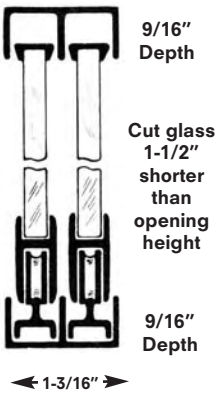
STOCK NO.	Finish
325-1322	Anodized Satin
325-1323	Anodized Gold
325-1324	Duranodic Bronze
325-1326	Deluxe Silver
325-1328	Deluxe Gold

HARTFORD



STOCK NO.	Finish
325-1342	Anodized Satin
325-1344	Duranodic Bronze
325-1346	Deluxe Silver
325-1348	Deluxe Gold

OAK BROOK



STOCK NO.	Finish
325-1332	Anodized Satin
325-1333	Anodized Gold
325-1334	Duranodic Bronze
325-1335	Deluxe Silver
325-1336	Deluxe Gold

All Single Packaged Styles Have (1) One Complete Assembly Per Case

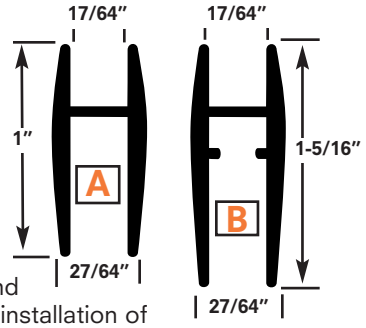
Single Packaged Assemblies Can Be Cut for UPS Shipments

Super-Silent Door Extrusions

Aluminum Glass Shoe

For 7/32" and 1/4" Glass





Used on all assemblies at the bottom to frame glass and provide a recess for pressfit installation of wheel assemblies. Can be used at the top to frame glass.

STOCK NO.		Finish	Length	UNIT PKG.
325-5051	A	Satin Anodized	12' (3.65m)	ONE
325-5052	A	Gold Anodized	12' (3.65m)	ONE
325-5054	A	Dark Bronze	12' (3.65m)	ONE
325-5055	A	Deluxe Silver	12' (3.65m)	ONE
325-5056	A	Polished Gold	12' (3.65m)	ONE
325-5057	A	Polished Bronze	12' (3.65m)	ONE

STOCK NO.		Finish	Length	UNIT PKG.
325-5061	B	Satin Anodized	12' (3.65m)	ONE
325-5062	B	Gold Anodized	12' (3.65m)	ONE
325-5064	B	Dark Bronze	12' (3.65m)	ONE
325-5065	B	Deluxe Silver	12' (3.65m)	ONE
325-5066	B	Polished Gold	12' (3.65m)	ONE
325-5067	B	Polished Bronze	12' (3.65m)	ONE

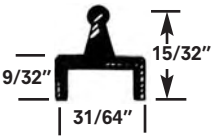
Aluminum Single Bottom Track

Used with double and single "B" style channels.





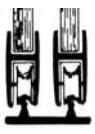
For the bottom of the double channels.

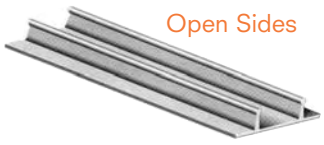


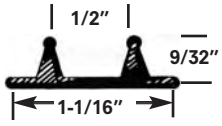
STOCK NO.	Finish	Length	UNIT PKG.
325-5041	Satin Anodized	12' (3.65m)	ONE
325-5042	Gold Anodized	12' (3.65m)	ONE
325-5044	Dark Bronze	12' (3.65m)	ONE
325-5045	Deluxe Silver	12' (3.65m)	ONE
325-5046	Polished Gold	12' (3.65m)	ONE
325-5047	Polished Bronze	12' (3.65m)	ONE

Aluminum Double Lower Track

Open Sides





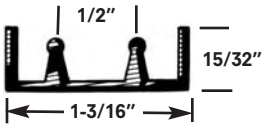


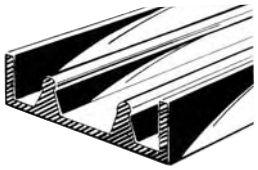
Use in place of double channel and single track. Neat installation in shallow recess or economy installation in deep recesses.

STOCK NO.	Finish	Length	UNIT PKG.
325-5071	Satin Anodized	12' (3.65m)	ONE
325-5072	Gold Anodized	12' (3.65m)	ONE
325-5074	Dark Bronze	12' (3.65m)	ONE
325-5075	Deluxe Silver	12' (3.65m)	ONE
325-5086	Polished Gold	12' (3.65m)	ONE
325-5087	Polished Bronze	12' (3.65m)	ONE

Aluminum Double Lower Track

With Sidewalls





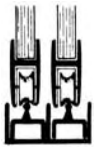
This section can be installed in a recessed opening or flush mounted. Sidewalls prevent glass shoe from slipping off rail.

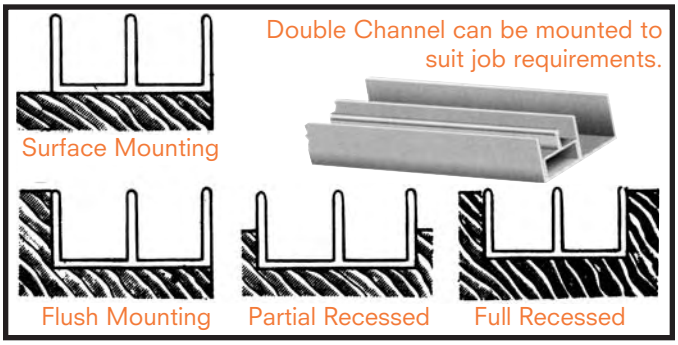
STOCK NO.	Finish	Length	UNIT PKG.
325-5076	Satin Anodized	12' (3.65m)	ONE
325-5077	Gold Anodized	12' (3.65m)	ONE
325-5078	Dark Bronze	12' (3.65m)	ONE
325-5079	Deluxe Silver	12' (3.65m)	ONE
325-5096	Polished Gold	12' (3.65m)	ONE
325-5097	Polished Bronze	12' (3.65m)	ONE

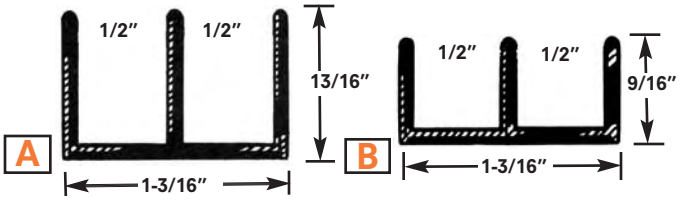
Aluminum Double Channel

For Use in Commercial, Industrial, & Residential Installations









STOCK NO.		Finish	Length	UNIT PKG.
325-5021	A	Satin Anodized	12' (3.65m)	ONE
325-5022	A	Gold Anodized	12' (3.65m)	ONE
325-5024	A	Dark Bronze	12' (3.65m)	ONE
325-5025	A	Deluxe Silver	12' (3.65m)	ONE
325-5026	A	Polished Gold	12' (3.65m)	ONE
325-5027	A	Polished Bronze	12' (3.65m)	ONE

STOCK NO.		Finish	Length	UNIT PKG.
325-5031	B	Satin Anodized	12' (3.65m)	ONE
325-5032	B	Gold Anodized	12' (3.65m)	ONE
325-5034	B	Dark Bronze	12' (3.65m)	ONE
325-5035	B	Deluxe Silver	12' (3.65m)	ONE
325-5036	B	Polished Gold	12' (3.65m)	ONE
325-5037	B	Polished Bronze	12' (3.65m)	ONE

Super-Silent Door Accessories

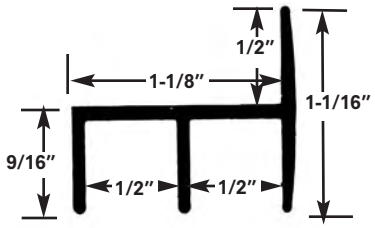
Aluminum Single U Channel



This extrusion is used for single door assemblies, on the top, bottom and sides. Add to double channel to form a triple door assembly unit.

STOCK NO.	Finish	Length	UNIT PKG.
325-5091	Satin Anodized	12′ (3.65m)	ONE
325-5600	Deluxe Silver	12′ (3.65m)	ONE
325-5601	Polished Gold	12′ (3.65m)	ONE
325-5602	Dark Bronze	12′ (3.65m)	ONE

Aluminum Double Channel with Trim Face

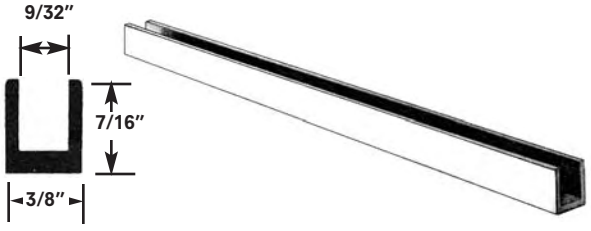




This aluminum channel has facing on the longest leg for framing of sliding door openings. Used on all four sides.

STOCK NO.	Finish	Length	UNIT PKG.
325-5011	Satin Anodized	12′ (3.65m)	ONE
325-5012	Deluxe Silver	12′ (3.65m)	ONE
325-5013	Polished Gold	12′ (3.65m)	ONE

Satin Anodized Aluminum Protective Glass Edge Shoe

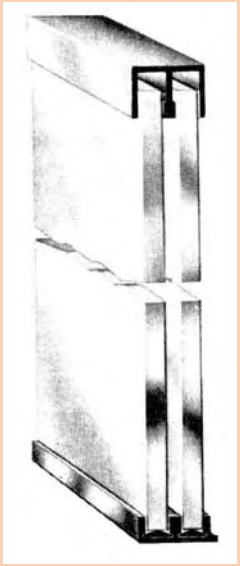


This glass retaining shoe is made of satin anodized aluminum, with an inside channel width of 9/32". This allows for packing around 3/16", 7/32" and 1/4" glass to protect edges from chipping. Also used on specially fabricated counterposts to hold glass panels. Shoe can be miter cut to form a frame around glass if desired.

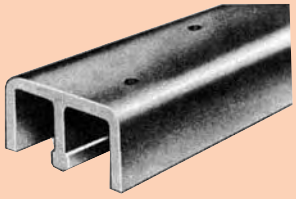
STOCK NO.	Finish	Channel	Length	UNIT PKG.
319-3632	Satin Anodized	9/32"	6′ (1.82m)	ONE
319-3631	Satin Anodized	9/32"	12′ (3.65m)	ONE

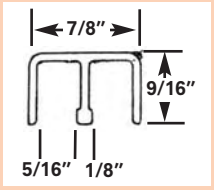
Aluminum Track Sections
For 1/4" Sliding Glass Doors

- Units are ideal for small by-passing glass doors
- They have a smooth and silent action and do not require a glass shoe or roller



Upper Guide
Pre-drilled at 6" Intervals

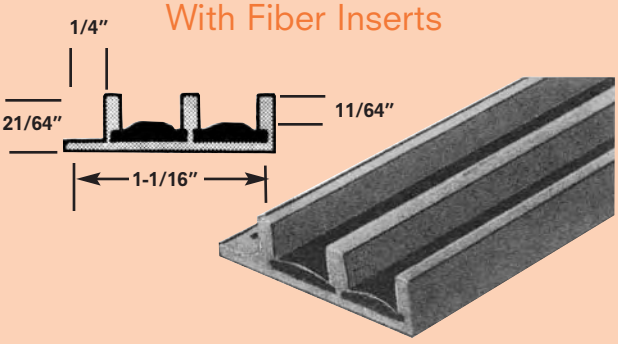




UPPER GUIDE

STOCK NO.	Finish	Length	UNIT PKG.
325-9022	Satin Anodized	6′ (1.82m)	ONE

Lower Guide
With Fiber Inserts

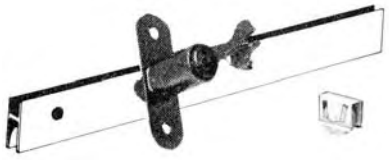


LOWER TRACK

STOCK NO.	Finish	Length	UNIT PKG.
325-9032	Satin Anodized	6′ (1.82m)	ONE

Track Plunger Locks and Accessories

Refer to Page 442

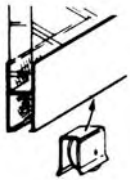


Super-Silent Door Accessories

Press-Fit Wheel Assemblies

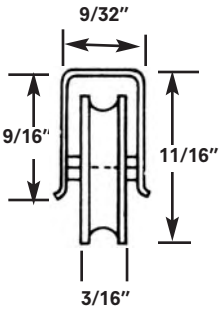


Nylon Wheel





Steel Wheel-Ball Bearing

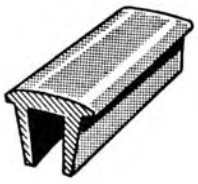


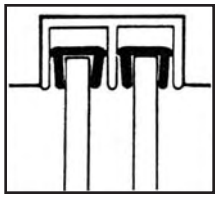
A self-contained unit which press-fits into bottom of glass shoe. Two assemblies required for each glass. Grooved wheel rolls silently on track. Track rail prevents any metal-to-metal or metal-to-glass contact at any point.

STOCK NO.	Description	UNIT PKG.
325-9970	Steel Wheel-Ball Bearing	ONE WHEEL
325-9971	Nylon Wheel	ONE WHEEL

Plastic Top Guide

This beige plastic guide prevents rattle on the top edge of 1/4" glass. Press-fit holds guide snugly in position. Two required for each door



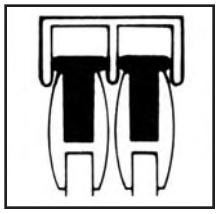


STOCK NO.	Description	Lgth.	Contents	UNIT PKG.
325-9972	Guide	7/8"	100	ONE BOX

Rubber Top Guide

A black rubber centering guide that press-fits into the top shoe of double shoe installations. Two guides are required for each door.



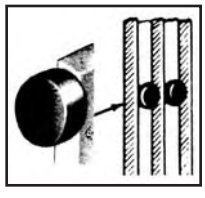


STOCK NO.	Description	Lgth.	Contents	UNIT PKG.
325-9973	Guide	1/2"	100	ONE BOX

Rubber Bumper

These black rubber bumpers are inserted on the sides of the track opening. They provide a cushion when glass doors are opened, preventing breakage or chipping.

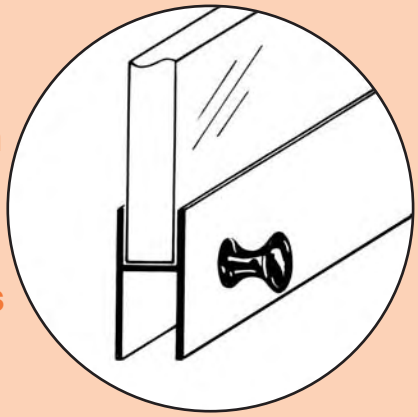




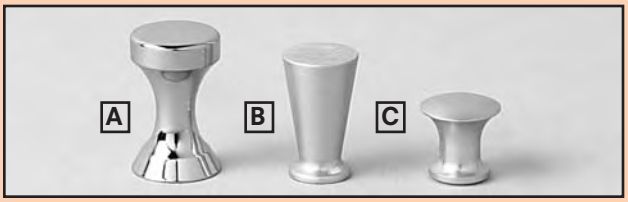
STOCK NO.	Description	Lgth.	Contents	UNIT PKG.
325-9976	Bumper	5/16"	100	ONE BOX

Sliding Glass Panel Pull

For Use On Medicine Cabinets and Showcases



Pulls Shown Actual Size



A	B	C
Polished Chrome	Satin Anodized	Black or Buffed Satin Anodized



SPECIFICATIONS

Picture	A	B	C
Design	Spool	Cone	Spool
Height	7/8"	3/4"	7/16"
Diameter (top)	1/2"	7/16"	1/2"

These pulls are packaged in sets that include 2 aluminum pulls, 2 mounting screws, and 1 rubber bumper. The bumper attaches to the reverse side of one pull and covers the screw head. When assembled, the bumper serves as a stop for one of the doors.

STOCK NO.	Picture	Finish	UNIT PKG.
325-9845	A	Polished Chrome	ONE SET
325-9204	B	Satin Anodized	ONE SET
325-9840	C	Black Anodized	ONE SET
325-9841	C	Buffed/Satin Anodized	ONE SET

Ball Bearing Track Sections

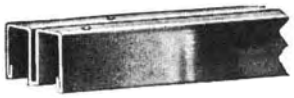
"EZY-Roll" Packaged Double Track Assemblies for By-Passing Doors





4′ and 6′ Lengths
Made of Heavy Gauge Steel
Zinc Plated
No Cutting Needed

Each Packaged Assembly Contains:



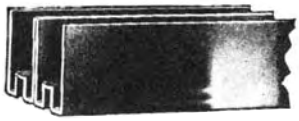
1 Piece - No. 325-4993
Upper Channel Guide



2 Pieces - No. 325-4995
Shoe for Glass Doors



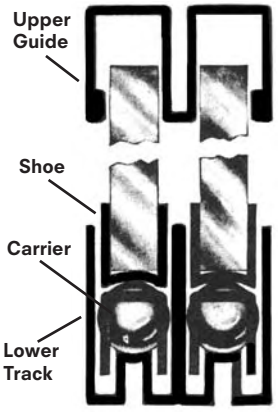
2 Pieces - No. 325-4997
Ball Bearing Carrier



1 Piece - No. 325-4999
Lower Track

An improved type of frictionless ball bearing track. Easily installed.

Each package contains a complete set of hardware for one pair of doors. Shoe is pre-cut to allow doors to overlap 1". Glass should be cut 1-1/4" shorter than the height of the opening.

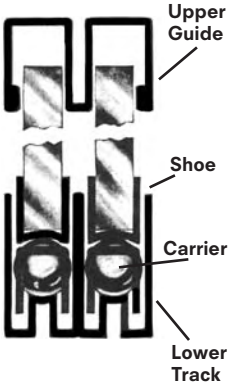


Cross section (right) showing "EZY-Roll" track used with all glass doors.

STOCK NO.	Description	Weight	UNIT PKG.
325-1248	4′ Assembly (1.21m)	7 lbs.	ONE
325-1272	6′ Assembly (1.82m)	10-1/4 lbs.	ONE

"EZY-Roll" Packaged Double Track Sections

The EZY-Roll" ball bearing track system produces a smooth, frictionless, noiseless movement of glass door panels.



Made of Heavy Gauge Zinc Plated Steel

INSTALLATION TIP: Carrier is 1-1/2 times the length of shoe.

Upper Channel Guide



Divides glass doors at the top. Wide center divider keeps doors in vertical position. Height: 5/8". Width: 15/16".

STOCK NO.	Length	Weight	UNIT PKG.
325-4993	12′ (3.65m)	5-1/4 lbs.	ONE



Shoe for Glass Door

Curved underside engages ball bearings securely with minimum friction. Height: 7/16". For 1/4" glass.

STOCK NO.	Length	Weight	UNIT PKG.
325-4995	12′ (3.65m)	1-1/2 lbs.	ONE



Ball Bearing Carrier

Free rolling ball bearings spaced 3 inches on center with noiseless 2 point suspension between shoe and anvil of lower track. Less friction is developed than other tracks with 3 or 4 point suspension.
INSTALLATION TIP: Carrier is 1-1/2 times length of shoe.

STOCK NO.	Length	Weight	UNIT PKG.
325-4997	12′ (3.65m)	3 lbs.	ONE



Lower Track

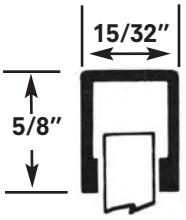
Ball bearings rest securely on solid anvil with no weight on side to spread walls. Height: 1". Width: 1".

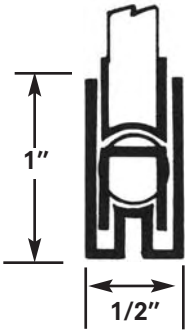
STOCK NO.	Length	Weight	UNIT PKG.
325-4999	12′ (3.65m)	9 lbs.	ONE

Showcase Track Sections

"EZY-Roll" Single Steel Track Sections for Butting Doors

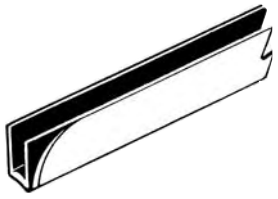
Triple Track Assembly Option



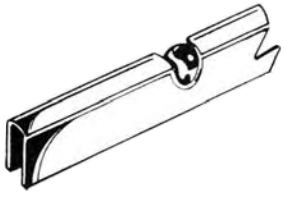




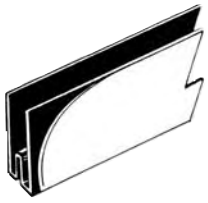
No. 325-4893
UPPER CHANNEL GUIDE
Holds glass doors at the top.
Height: 5/8". Width: 15/32".



No. 325-4995
SHOE FOR GLASS DOORS
Curved underside engages ball bearings securely with a minimum of friction.
Height: 7/16". For 1/4" glass.



No. 325-4997
BALL BEARING CARRIER
Free rolling ball bearings spaced 3" apart on centers with noiseless 2 point suspension between shoe and lower track. This principle develops less friction than other tracks with 3 or 4 point suspension.
Size: Carrier is 1-1/2 times the length of the shoe.

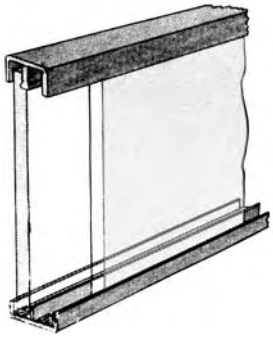


No. 325-4899
LOWER TRACK
Balls rest securely on solid anvil with no weight on sides to spread walls.
Height: 1". Width: 1/2".

These 12' sections not only can be used singularly but may be used in conjunction with the double track sections to comprise a "triple" assembly. Triple track assemblies are used for exceptionally large showcases, trophy cases and museum display units.

STOCK NO.	Description	Length	Weight	UNIT PKG.
325-4893	Channel Guide	12'	2-3/4 lbs.	ONE
325-4995	Shoe	12'	1-1/2 lbs.	ONE
325-4997	Carrier	12'	3 lbs.	ONE
325-4899	Lower Track	12'	4-1/2 lbs.	ONE

"EZY-Glide" Packaged Tan Plastic Track Assembly

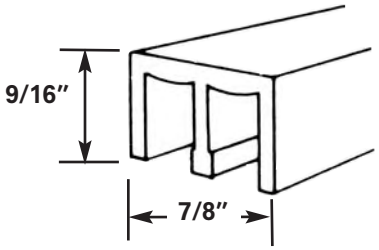


For 1/4" (6.35m) By-Passing Glass Doors

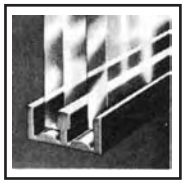


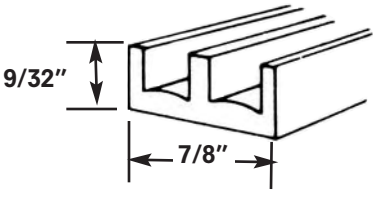
Upper Unit





Bottom Unit





These high impact, extruded polystyrene plastic track units facilitate a smooth sliding action of lightweight doors and panels. It is recommended to secure track to frame with brads or panel adhesive. Packaged assembly is furnished complete with one top and one bottom section. Use with lightweight glass doors only.

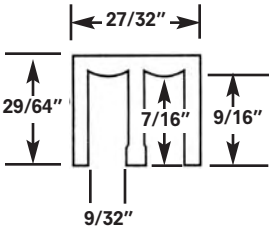
STOCK NO.	Length	UNIT PKG.
325-3046	6' (1.82m)	ONE SET

Plastic Door Track and Shoe

Plastic Track for Sliding Glass or Wood Door Panels and 1/4" (6.35mm) By-Passing Doors

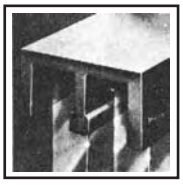


PLASTIC UPPER TRACK



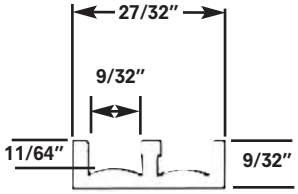
A white, black or tan, high impact, extruded polystyrene plastic track. Recommended for small or lightweight doors. Secure to frame with brads, nails or adhesive.

STOCK NO.	Color	Length	UNIT PKG.
325-6252	White	6' (1.82m)	ONE
325-6253	White	12' (3.65m)	ONE
325-6256	Tan	6' (1.82m)	ONE
325-6258	Tan	12' (3.65m)	ONE
325-6414	Black	12' (3.65m)	ONE



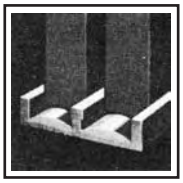


PLASTIC LOWER TRACK



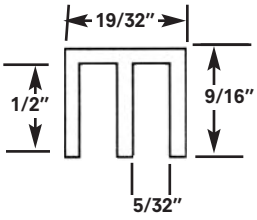
A high impact, extruded polystyrene plastic track used for small, lightweight doors where economy is a major factor.

STOCK NO.	Color	Length	UNIT PKG.
325-6254	White	6' (1.82m)	ONE
325-6255	White	12' (3.65m)	ONE
325-6257	Tan	6' (1.82m)	ONE
325-6259	Tan	12' (3.65m)	ONE
325-6415	Black	12' (3.65m)	ONE



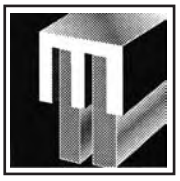
Plastic Track for 1/8" (3.17mm) By-Passing Doors

PLASTIC UPPER TRACK

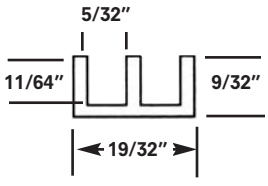


A high impact, brown extruded polystyrene plastic track. May be flush mounted or recessed. For small, lightweight doors only.

STOCK NO.	Color	Length	UNIT PKG.
325-6413	Brown	12' (3.65m)	ONE

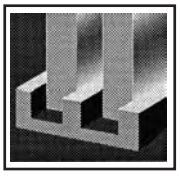


PLASTIC LOWER TRACK

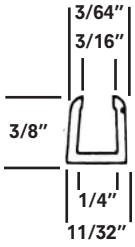


A high impact, brown extruded polystyrene plastic. Recommended for small, lightweight doors only.

STOCK NO.	Color	Length	UNIT PKG.
325-6443	Brown	12' (3.65m)	ONE

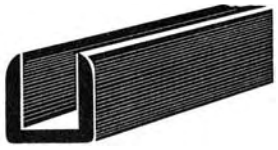


Plastic Protective Glass Edge Shoe



This gray extruded plastic shoe is for use with 7/32" or 1/4" glass. It is tapered to fit glass snugly, giving protection from chipping to the edges of shelves or panels.

STOCK NO.	Color	Length	UNIT PKG.
325-6103	Gray	12' (3.65m)	ONE



Showcase, Sliding Glass Door Locks



Showcase Locks



- Brite Finish
- Ratchet Bar Action

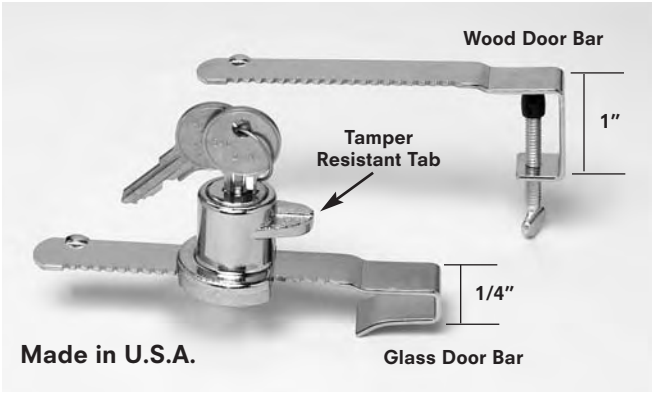
Merlot Ratchet Locks



Our biggest selling lock is superbly plated and sturdily constructed. Accurately machined to insure exact fit. Closely notched ratchet bar. Accommodates laps from 1-3/8" to 3-7/8". It is made expressly for Sommer & Maca. Brite finish.

STOCK NO.	Description	Bar Width	UNIT PKG.
319-1988	Keyed Alike	5/8"	ONE LOCK
319-1989	Keyed Differently	5/8"	ONE LOCK

NATIONAL Ratchet Locks



Two bars are provided with each lock. The glass door bar accepts up to 1/4"thick glass. The wood door bar fits doors up to 1" thick. Lock is adjustable for laps from 1" to 3-1/4". Tamper resistant tab provides extra security. Nickel finish.

STOCK NO.	Description	Bar Width	UNIT PKG.
318-1967	Keyed Alike	5/8"	ONE LOCK
318-1969	Keyed Differently	5/8"	ONE LOCK

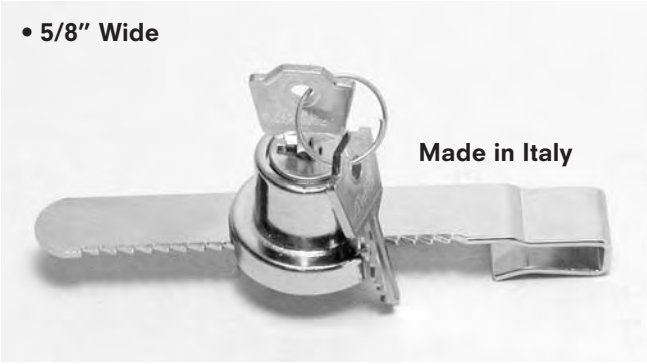
SOMACA Showcase Locks



Somaca's budget price lock has a brite finish. It is designed to accept glass up to 1/4" thick. Laps from 1" to 3-3/4".

STOCK NO.	Description	Bar Width	UNIT PKG.
200-0601	Keyed Alike	5/8"	ONE LOCK
200-0602	Keyed Differently	5/8"	ONE LOCK

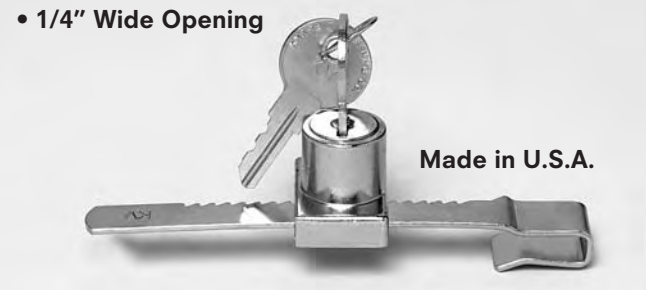
SOMACA Ratchet Lock



The ratchet bar is notched for close adjustment for 1" to 3-1/2" laps on by-passing glass doors. High polish chrome finish.

STOCK NO.	Description	Bar Width	UNIT PKG.
318-2041	Keyed Alike	5/8"	ONE LOCK
318-2040	Keyed Differently	5/8"	ONE LOCK

KV Ratchet Lock



Disc tumbler lock with ratchet bar insures close lock position adjustment. Square key housing laps 1" to 3-3/8". Nickel finish.

STOCK NO.	Description	Bar Width	UNIT PKG.
318-1966	Keyed Alike	7/16"	ONE LOCK

TK Step Lock

Adhesive-Backed Slide

Keyed Alike
Made in U.S.A.

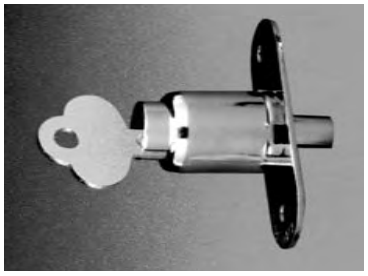


Lock is installed by merely peeling off the protective tape from adhesive backing and firmly pressing lock base to glass. No drilling or special gluing is necessary - lock will remain secure to glass. Lock fits overlaps 3/4" to 2", and the unique lock flange prevents forceable entry.

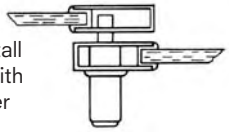
STOCK NO.	Description	Finish	UNIT PKG.
318-1975	Keyed Alike	Aluminum	ONE LOCK
318-1979	Keyed Alike	Bronze	ONE LOCK

Sliding Track Plunger Lock

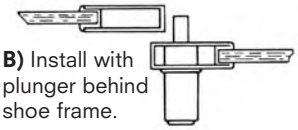
For Use on Sliding Glass Doors



Keyed Alike
Imported



A) Install lock with plunger inside.

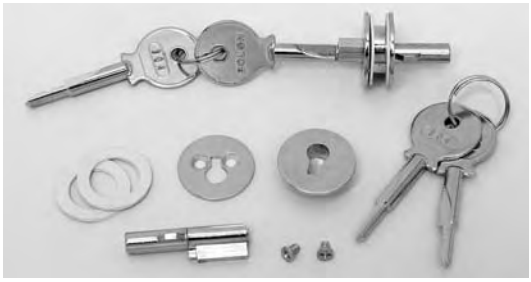


B) Install with plunger behind shoe frame.

Installs easily into sliding glass door track assemblies and can be placed at top or bottom of the door. Spring activated design permits locking by pushing plunger without the use of a key. Lock, ferrule and 2 keys furnished. Bright chrome finish. Can be used with aluminum glass shoe assembly No.'s 325-5061, 325-5062 and 325-5064 on page 436.

STOCK NO.	Description	Finish	UNIT PKG.
318-1968	Keyed Alike	Chrome	ONE LOCK

Sliding Track Plunger Lock



Fits glass panels to 1/4" (8mm) thick, making it ideal for use in glass, masonite or wood showcase and cabinet doors. Requires drilling 5/8" to 16mm drill hole for installation. Comes with 2 keys, mounting screws, plates and lock tumbler.

STOCK NO.	Finish	UNIT PKG.
318-1802	Chrome	ONE LOCK

Mortise Cylinder Lock and Trim Rings





Exactly like the cylinder key lock below except it has a thumb-turn instead of a keyway. Used on the inside for locking of the door without a key. 1" long with 1-1/4" dia. face. Adams Rite cam. Trim rings fit both keyed and thumb-turn cylinders.

CYLINDER LOCK

STOCK NO.	Finish	UNIT PKG.
318-4192	Duranodic	ONE LOCK
318-4193	Dull Chrome	ONE LOCK

ALL METAL TRIM RING

STOCK NO.	Finish	UNIT PKG.
318-4194	Duranodic	ONE RING
318-4195	Dull Chrome	ONE RING

Mortise Cylinder Lock

Keyed Alike



These locks are used on store-front doors. Made of brass bar stock, 1" long with a 1-1/4" face diameter. Adams Rite cam.

STOCK NO.	Description	Finish	UNIT PKG.
318-4191	Keyed Alike	Dull Chrome	ONE PAIR
318-4190	Keyed Alike	Duranodic	ONE PAIR

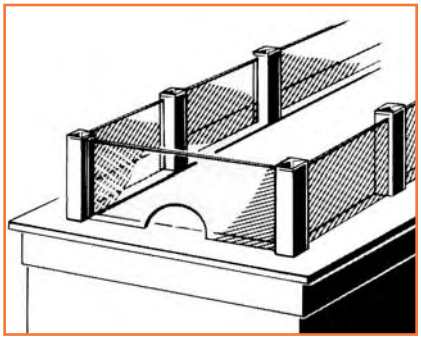
Dummy Cylinder Plugs

Trim Ring Included

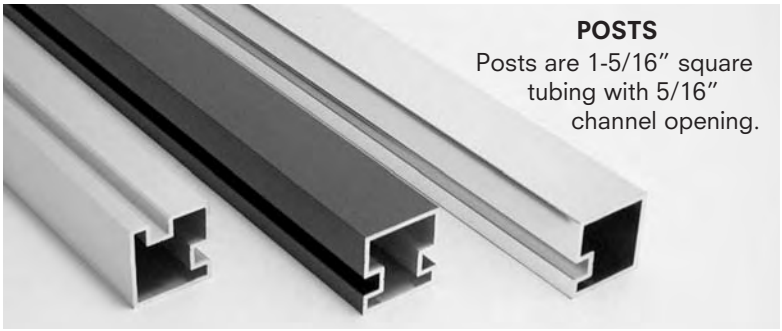


STOCK NO.	Finish	Length	UNIT PKG.
318-4197	Dull Chrome	1"	ONE PLUG
318-4198	Duranodic	1"	ONE PLUG

Aluminum Counter Partitions for 1/4" Plate or 7/32" Pattern Glass



Attractive, functional extruded aluminum partition posts are available in 3 finishes. Designed for easy installation on wood, marble, or vitreous counter tops. Recessed channels for 1/4" plate glass or 7/32" heavy sheet glass. Heavy base and black snap in pyramid cap. Base can be set with screws or bolts and is invisible. Ideal for banks, offices, ships, foyers, restaurants and reception areas.

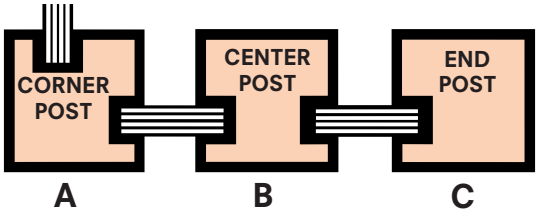


POSTS
Posts are 1-5/16" square tubing with 5/16" channel opening.

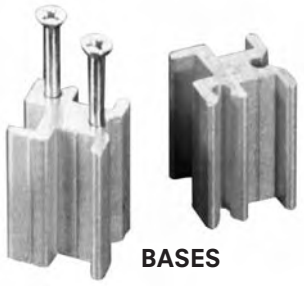
PYRAMID CAPS



Black plastic caps are 1-7/16" square with pyramid apex and snap into posts. Same cap fits corner, center and end post.



Bases are 1-1/8" square with ribbed sides for "press" fit. Base can be screwed or bolted to countertop made of any material.



BASES

STOCK KITS: Each kit is complete with one partition post, one cap, one base and two screws. Available in 12", 18" or 24" lengths. Also 72" stock lengths for posts over 24".

	SATIN ANODIZED STOCK NO.	ANODIZED BRONZE STOCK NO.	BRIGHT CHROME STOCK NO.	Description	UNIT PKG.
A	319-3212	319-3512	319-3612	12" Corner Post Kit	ONE
	319-3218	319-3518	319-3618	18" Corner Post Kit	ONE
	319-3224	319-3524	319-3624	24" Corner Post Kit	ONE
	319-3272	319-3572	319-3672	72" Corner Post Only	ONE
B	319-3112	319-3412	319-3712	12" Center Post Kit	ONE
	319-3118	319-3418	319-3718	18" Center Post Kit	ONE
	319-3124	319-3424	319-3724	24" Center Post Kit	ONE
	319-3172	319-3472	319-3772	72" Center Post Only	ONE
C	319-3012	319-3312	319-3812	12" End Post Kit	ONE
	319-3018	319-3318	319-3818	18" End Post Kit	ONE
	319-3024	319-3324	319-3824	24" End Post Kit	ONE
	319-3072	319-3372	319-3872	72" End Post Only	ONE

STOCK NO.	Description	UNIT PKG.
319-3297	Black Pyramid Cap	ONE
319-3298	Metal Base	ONE

PHILLIPS FLAT HEAD SCREWS - UNIT PKG: BOX OF 100

STOCK NO.	Description	STOCK NO.	Description
313-2270	No. 10 x 2-1/2" Wood Screws	311-2246	No. 12 x 2-1/2" Sheet Metal Screws
311-2243	No. 10 x 2" Sheet Metal Screws	311-4547	No. 12 x 3" Sheet Metal Screws
311-2244	No. 10 x 2-1/2" Sheet Metal Screws	311-2247	No. 12 x 3-1/2" Sheet Metal Screws
311-2245	No. 12 x 2" Sheet Metal Screws	113-4555	No. 14 x 3" Sheet Metal Screws

Partitions, Posts and Glass Edging

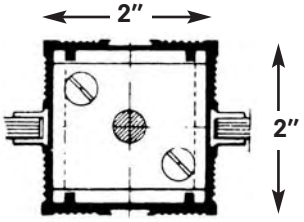
Counter Partitions

Aluminum Screw Mounting Posts

For 1/4" Plate or 7/32" Pattern Glass



Center Post Illustration



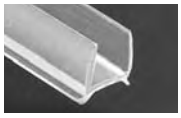
The elegantly tooled finish and the simplicity of the installation make this partition one of the most popular on the market. An original Swiss concept, designed without visible screws or unsightly flanges. Changeable glass retainer strips make post universal for counter ends, corners, straight runs, 3-way and 4-way installations. Complete with screw mounting flanges, center post and locking knob. Two plastic glass retainer strips provided with each post. Sizes other than those listed are available up to 40" on special order with a minimum order of 4 posts.

NATURAL ANODIZED FINISH

STOCK NO.	Height	Base	UNIT PKG.
319-2112	12"	2" Square	ONE
319-2116	16"	2" Square	ONE
319-2118	18"	2" Square	ONE
319-2124	24"	2" Square	ONE
319-2130	30"	2" Square	ONE
319-2136	36"	2" Square	ONE

Glass Retainer Strips

These "U" channels are designed expressly for counter posts. Retains 1/4" plate glass or 7/32" pattern glass.



VINYL - 319-5200



METAL - 319-3631 319-3632

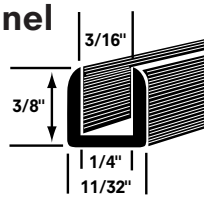
STOCK NO.	Length	Material	UNIT PKG.
319-5200	6'	Vinyl	ONE

STOCK NO.	Inside Channel	Lgth.	Finish	UNIT PKG.
319-3631	9/32"	12'	Satin Anodized	ONE
319-3632	9/32"	6'	Satin Anodized	ONE

Glass Edge Protective Shoe

Light Gray Plastic U Channel

This gray extruded plastic shoe is for use with 7/32" or 1/4" glass. Protects the edges of shelves and panels in showcases and glass display units. Wall thickness is 3/64".

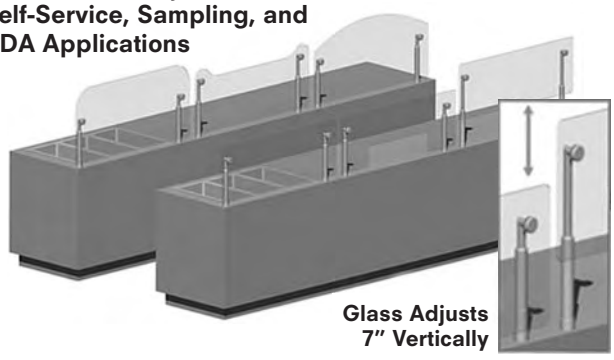


STOCK NO.	Color	Length	UNIT PKG.
325-6103	Gray	12'	ONE

Sneeze Guard Posts

For 1/4" and 3/8" Glass

- **Two Posts Accommodate Up to 72" Wide Glass**
- **3/8" Hole Required to Attach Glass to Post**
- **All Glass Shapes can be Attached by this Mounting Method**
- **Posts are 13-3/4" High in Down Position**
- **Posts can be Adjusted to 20-3/4" to Allow for Self-Service, Sampling, and ADA Applications**



Glass Adjusts 7" Vertically

These streamline-style posts have the ability to partition off part or all of your serving/display counter. Post height can be raised 7" to allow for self-service.

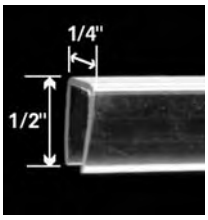
STOCK NO.	Finish	UNIT PKG.
319-2200	Brushed Stainless	ONE
319-2201	Chrome	ONE
319-2202	Solid Brass	ONE

Protective Glass Edging

Clear Plastic U Channels

Smooth Face

Transparent, high-impact plastic channels protect edges against chipping on glass shelves, glass display dividers, desk and counter tops, and sliding showcase doors. They are also for framing displays and posters.



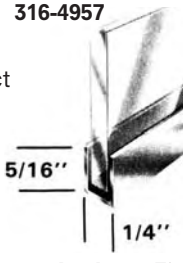
STOCK NO.	Glass	Lgth.	Finish	UNIT PKG.
320-3706	1/4"	6'	Smooth	ONE
320-3712	1/4"	12'	Smooth	ONE

Protective Glass Edging

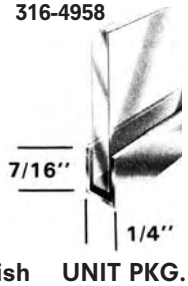
Stainless Steel U Channels

Protect the edges of glass and provide a distinctive decorative effect when edging is installed. The moulding has slightly tapered sides, which allows the glass to be held firmly and securely.

316-4957



316-4958

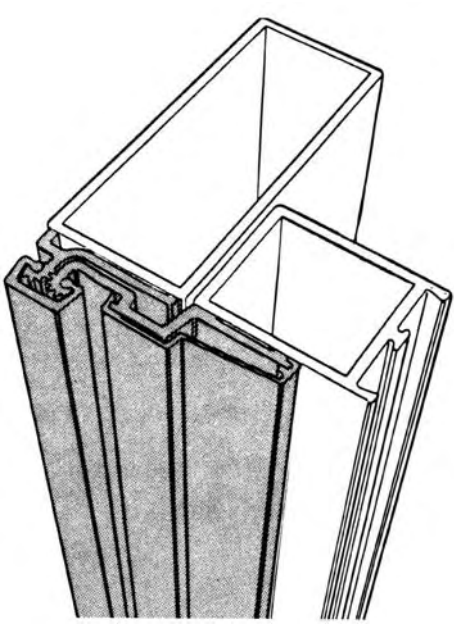


STOCK NO.	Depth	Glass	Lgth.	Finish	UNIT PKG.
316-4957	5/16"	1/4"	12'	Stainless	ONE
316-4958	7/16"	1/4"	12'	Stainless	ONE

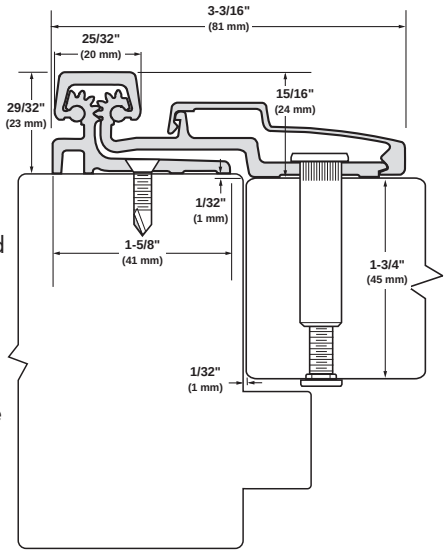
Roton Continuous Hinges

HAGER® Roton Geared Continuous Hinges

Specified by Retail Stores, Hospitals, Banks, Schools and Government Buildings



Roton Hinges are a continuous geared design. They distribute the door's weight along the full height of the door frame. The hinge material is high strength aluminum with the full length rolling gear design aligning the door perfectly from top to bottom. A self-lubricating load bearing block carries the door weight. The standard duty hinge has a minimum of 16 bearings and the heavy duty has 32 bearings minimum.



Retrofit Full Surface Mounting Hinges

The standard duty hinge is for commercial interior doors. Commercial exterior doors are recommended to use the heavy duty hinge. **See the "Frequency Determination" data listed below.** 1-3/16" frame face is required. Additional clearance is not required. The offset pivot point delivers an extra 1-1/2" to 2" to the next opening when the door is opened. **1-3/4" sex bolts and self-taping screws are supplied.**

UNIT PKG: ONE 83" LONG ROTON HINGE
Mfg. No. 780-210

STOCK NO.	Finish	Type
318-4480	Clear Anodized	Standard
318-4481	Duranodic Bronze	Standard
318-4482	Clear Anodized	Heavy Duty
318-4483	Duranodic Bronze	Heavy Duty

UNIT PKG: ONE 95" LONG ROTON HINGE
Mfg. No. 780-210

STOCK NO.	Finish	Type
318-4490	Clear Anodized	Standard
318-4491	Duranodic Bronze	Standard
318-4492	Clear Anodized	Heavy Duty
318-4493	Duranodic Bronze	Heavy Duty

FREQUENCY DETERMINATION

Many Roton-equipped openings have estimated annual usages of over five million cycles per year in large schools, airports, shopping centers and government buildings. Please refer to the usage estimate schedule listed below.

Table of Estimated Usage

Type of Building	Expected Frequency Daily	Annual
High Frequency		
Large Department Store	5,000	1,825,000
Large Office Entrance	4,000	1,460,000
Hospital Corridor	3,000	1,095,000
School Entrance	1,250	456,250
Office Stairwell	500	182,500

Type of Building	Expected Daily	Frequency Annual
Medium Frequency		
Hospital Consultant Room	100	36,500
School Corridor	100	36,500
Office Building Corridor	80	29,200
Storage Room	50	18,250
Low Frequency		
Residential Entrance	30	10,950
Residential Interior	20	7,300

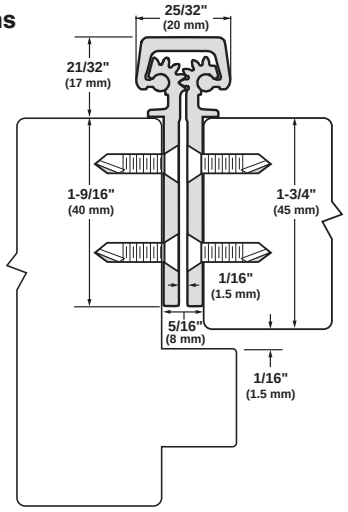
Contact Your Somaca Division for Any Roton Hinge

Roton Hinges, Cover Plates and Screws

Concealed Leaf Hinges

For 1-3/4" Minimum Door Thickness

- Flush Frame & Door Alignment
- Ideal for New Installations
- Requires Clearance of 5/16" on Hinge Edge
- Frame and Door Leaf Alignment Ribs for Proper Hinge and Door Locations



UNIT PKG: ONE 83" LONG ROTON HINGE
Mfg. No. 780-112

STOCK NO.	Finish	Type
318-4508	Clear Anodized	Standard
318-4509	Duranodic Bronze	Standard
318-4454	Clear Anodized	Heavy Duty
318-4510	Duranodic Bronze	Heavy Duty

UNIT PKG: 95" LONG ROTON HINGE

STOCK NO.	Finish	Type
318-4511	Clear Anodized	Standard
318-4453	Duranodic Bronze	Standard

Cover Plates and Screws

COVER PLATES - UNIT PKG: ONE

STOCK NO.	Color	Size
318-4487	Aluminum	83"
318-4495	Aluminum	95"
318-4488	Duranodic Bronze	83"
318-4489	Duranodic Bronze	95"

SEX BOLT SCREW PAKS (1-3/8"-1-3/4" Door Thickness)
UNIT PKG: ONE

STOCK NO.	Color	Size
318-4485	Clear	83"
318-4500	Duranodic Bronze	83"
318-4486	Clear	95"

SEX NUTS and BOLTS - UNIT PKG: ONE

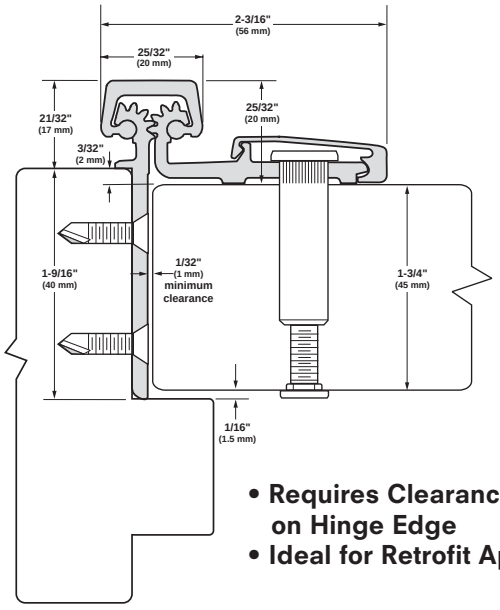
STOCK NO.	Color	Size
318-4522	Clear	1-3/8" to 1-7/8"
318-4523	Bronze	1-3/8" to 1-7/8"
318-4524	Clear	1-7/8" to 2-1/2"

SELF-DRILLING FLAT HEAD SCREWS
UNIT PKG: ONE BOX OF 500

STOCK NO.	Color	Size
318-4525	Clear	#12-24 x 11/16"
318-4526	Bronze	#12-24 x 11/16"

Half Surface Hinges

For 1-3/4" Minimum Door Thickness



- Requires Clearance of 1/8" on Hinge Edge
- Ideal for Retrofit Applications

UNIT PKG: ONE 83" LONG ROTON HINGE
Mfg. No. 780-053

STOCK NO.	Finish	Type
318-4502	Clear Anodized	Standard
318-4503	Duranodic Bronze	Standard
318-4504	Clear Anodized	Heavy Duty
318-4505	Duranodic Bronze	Heavy Duty

UNIT PKG: 95" LONG ROTON HINGE

STOCK NO.	Finish	Type
318-4506	Clear Anodized	Standard
318-4507	Duranodic Bronze	Standard

Universal Replacement Hinge Kit for Aluminum Store Front Doors



Reinforces Sagging Doors

- Installs in 20 Minutes
- Instant Pin Adjustment
- Size: 5" x 3-1/4" x 1/4"
- Supports Doors Weighing up to 300 lbs.

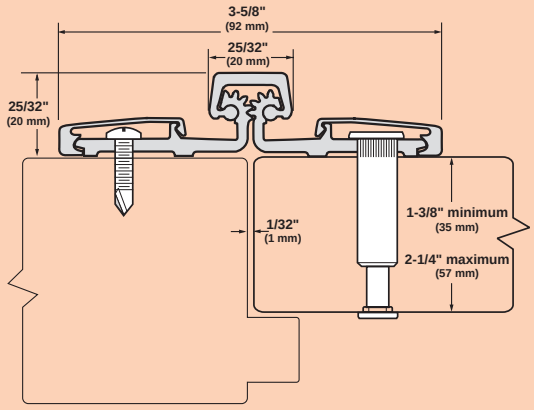
Designed for heavy storefront doors. Completely machined. Self-lubricating pin rotates on anti-friction bearings for smooth door operation. Hinge pin adjusts, moving the door up or down at any time without removing the hinges. Sealed hinge pin is within the housing and cannot be removed, providing maximum security.

KIT CONTAINS: 2 hinges, 2 shim plates (1/8" thick), 12 one-way screws, 4 cover plates, 1 Allen wrench, instructions.

STOCK NO.	Model	Finish	UNIT PKG.
318-4148	XH5AL	Aluminum	ONE
318-4149	XH5DUR	Duranodic Bronze	ONE

Roton Continuous Hinges

Retrofit Full Surface Hinges With Door Leaf Mouldings



For medium and high frequency doors. Full-surface hinge for any thickness or material with sex bolts both leaves unless otherwise specified. **1-3/4" sex bolts are supplied.**

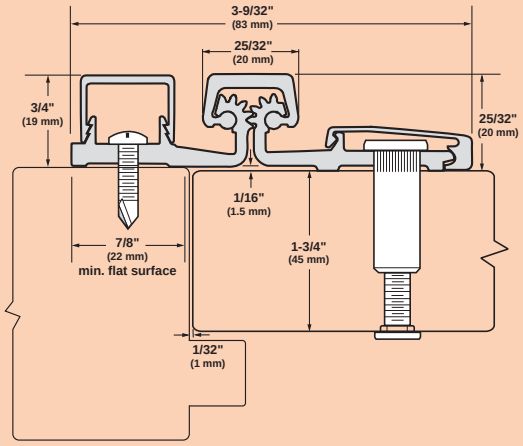
UNIT PKG: ONE 83" LONG ROTON HINGE
Mfg. No. 780-057

STOCK NO.	Finish	Type
318-4450	Clear Anodized	Standard
318-4451	Duranodic Bronze	Standard
318-4512	Clear Anodized	Heavy Duty
318-4513	Duranodic Bronze	Heavy Duty

UNIT PKG: ONE 95" LONG ROTON HINGE

STOCK NO.	Finish	Type
318-4514	Clear Anodized	Standard
318-4515	Duranodic Bronze	Standard

• Slim 7/8" Face • More Flexible Pivot Point Over Jamb



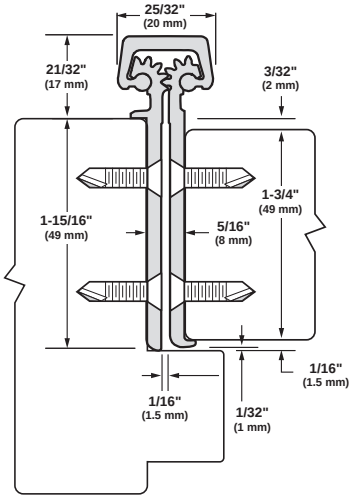
UNIT PKG: ONE 83" LONG ROTON HINGE
Mfg. No. 780-157

STOCK NO.	Finish	Type
318-4455	Clear Anodized	Standard
318-4452	Duranodic Bronze	Standard
318-4516	Clear Anodized	Heavy Duty
318-4517	Duranodic Bronze	Heavy Duty

UNIT PKG: ONE 95" LONG ROTON HINGE

STOCK NO.	Finish	Type
318-4518	Clear Anodized	Standard
318-4519	Duranodic Bronze	Standard

Concealed Leaf Hinges



- **Ideal for New Installations**
- **Requires Clearance of 5/16" Hinge Side**
- **Door Edge Protection Lip**

This hinge is used on 1-3/4" medium and high frequency entrance doors. **Self-drilling and tapping screws are supplied.**

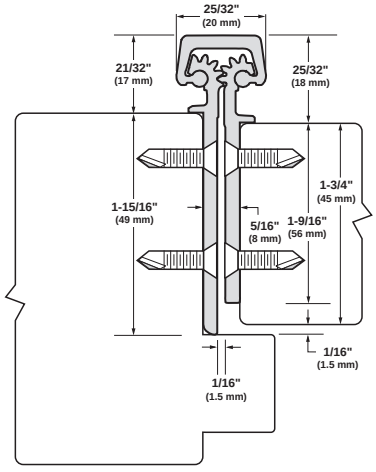
UNIT PKG: ONE 83" LONG ROTON HINGE WITH DOOR CORNER LIP
Mfg. No. 780-224

STOCK NO.	Finish	Type
318-4424	Clear Anodized	Standard
318-4425	Duranodic Bronze	Standard
318-4484	Clear Anodized	Heavy Duty

UNIT PKG: ONE 95" LONG ROTON HINGE

STOCK NO.	Finish	Type
318-4528	Clear Anodized	Standard
318-4529	Duranodic Bronze	Standard

- **Ideal for New Installations**
- **Frame and Door Leaf-Alignment Ribs 1/8" (3.2mm) Inset for Proper Hinge and Door Location**



UNIT PKG: ONE 83" LONG ROTON HINGE
Mfg. No. 780-111

STOCK NO.	Finish	Type
318-4497	Clear Anodized	Standard
318-4498	Duranodic Bronze	Standard
318-4499	Clear Anodized	Heavy Duty
318-4501	Duranodic Bronze	Heavy Duty

UNIT PKG: ONE 95" LONG ROTON HINGE

STOCK NO.	Finish	Type
318-4520	Clear Anodized	Standard
318-4521	Duranodic Bronze	Standard

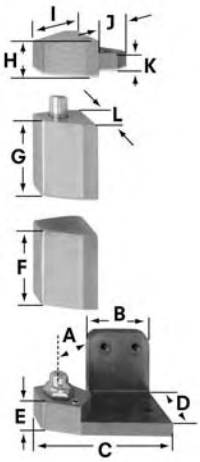
Offset Pivot Hinge Sets

3/4" Offset Pivot Hinge Sets

The most complete line of traditional offset pivots to match virtually any domestic aluminum door manufacturer. Compatible with flush or recessed reveals. Sold as a set to insure complete door alignment with the bottom door portion. Made from solid extruded bar stock aluminum and machined for increased strength.

- Fully Retractable Spring Loaded Top Pin for Easy Installation and Adjustment
- 1/8" (3mm) Vertical Adjustment
- Suitable for Aluminum Frames and Doors up to 125 lbs.
- Full Race Ball Bearing and Oilite Bronze Bushing
- Aluminum and Duro Finishes

J-25 & J-26	
A	1"
B	1-1/2"
C	3"
D	1-29/32"
E	11/16"
F	1-3/4"
G	1-3/4"
H	7/8"
I	1-1/4"
J	29/32"
K	3/8"
L	1-3/8"



J-27 & J-28	
A	NA
B	NA
C	3"
D	1-29/32"
E	11/16"
F	1-3/4"
G	1-3/4"
H	7/8"
I	1-1/4"
J	29/32"
K	3/8"
L	1-3/8"



J-30 & J-31	
A	1"
B	7/8"
C	3"
D	1-7/8"
E	11/16"
F	1-3/4"
G	1-3/4"
H	7/8"
I	1-1/4"
J	29/32"
K	3/8"
L	1-3/8"



J-34	
A	7/8"
B	13/16"
C	2-3/4"
D	1-15/16"
E	1/2"
F	2-5/32"
G	2-5/32"
H	15/16"
I	1-3/8"
J	3/4"
K	7/16"
L	1-3/8"



J-40	
A	29/32"
B	13/32"
C	3"
D	1-15/16"
E	1/2"
F	2-1/4"
G	2-1/4"
H	3/4"
I	1-1/4"
J	15/16"
K	3/8"
L	1-3/8"



J-41	
A	7/8"
B	13/16"
C	2-3/4"
D	1-15/16"
E	1/2"
F	2-5/32"
G	2-5/32"
H	1-1/8"
I	1-1/4"
J	15/16"
K	7/16"
L	1-3/8"



J-43	
A	1"
B	7/8"
C	3"
D	1-7/8"
E	11/16"
F	1-3/4"
G	1-3/4"
H	1"
I	19/32"
J	15/16"
K	3/8"
L	1-3/8"



UNIT PKG: ONE SET

STOCK NO. (Aluminum)	STOCK NO. (Duro)	Mfg. #	Handed	Application	Used On
318-4420	318-4320	J-25	Right	Flush w/Frame Face	US Aluminum
318-4421	318-4321	J-25	Left	Flush w/Frame Face	US Aluminum
318-4423	318-4323	J-27	Non-Handed	Flush w/Frame Face	Besam, Automatic, Kawneer
318-4429	318-4329	J-30	Right	Flush w/Frame Face	Arcadia, Tubelite, Vistawall, Arch Alum
318-4430	318-4330	J-30	Left	Flush w/Frame Face	Arcadia, Tubelite, Vistawall, Arch Alum
318-4459	318-4359	J-34	Right	Flush w/Frame Face	US Aluminum
318-4460	318-4360	J-34	Left	Flush w/Frame Face	US Aluminum
318-4446	318-4346	J-43	Right	Flush w/Frame Face	Atlas, Arch Aluminum
318-4447	318-4347	J-43	Left	Flush w/Frame Face	Atlas, Arch Aluminum
318-4426	318-4326	J-26	Right	Recessed 1/8"	US Aluminum
318-4427	318-4327	J-26	Left	Recessed 1/8"	US Aluminum
318-4428	318-4328	J-28	Non-Handed	Recessed 1/8"	Kawneer
318-4431	318-4331	J-31	Right	Recessed 1/8"	Arcadia, Tubelite, Vistawall, Arch Alum
318-4432	318-4332	J-31	Left	Recessed 1/8"	Arcadia, Tubelite, Vistawll, Arch Alum
318-4461	318-4361	J-40	Right	Recessed 1/8"	Amarlite, Rebco, Arch Aluminum
318-4462	318-4363	J-40	Left	Recessed 1/8"	Amarlite, Rebco, Arch Aluminum
318-4441	318-4341	J-41	Right	Recessed 3/32"	Efco Corp., PPG, Pittco Eng.
318-4442	318-4342	J-41	Left	Recessed 3/32"	Efco Corp., PPG, Pittco Eng.

Restroom Signs and Crash Guard Discs

Restroom Plastic Tactile Signs

Signs are easy to read with 1/32″ raised letters and grade 2 braille translations on a non-glare background. The letters are 1″ high. Lettering 5/8″ to 2″ is available on special order. All handicap signs meet ADA requirements. Brown is the standard color. Blue, red and black can be ordered. Custom signs can also be ordered. Screws provided.



318-8745



318-8746



318-8747

NOTE: Interior signage shall be located on long side of door on latch side mounted between 54″ to 66″ above the floor.

8″ x 8″ SIGNS

STOCK NO.	Description	UNIT PKG.
318-8745	Men	ONE
318-8746	Women	ONE
318-8747	Restroom	ONE

6″ x 9″ ADA SIGNS

STOCK NO.	Description	UNIT PKG.
318-8741	Men	ONE
318-8742	Women	ONE
318-8748	Restroom	ONE



318-8741



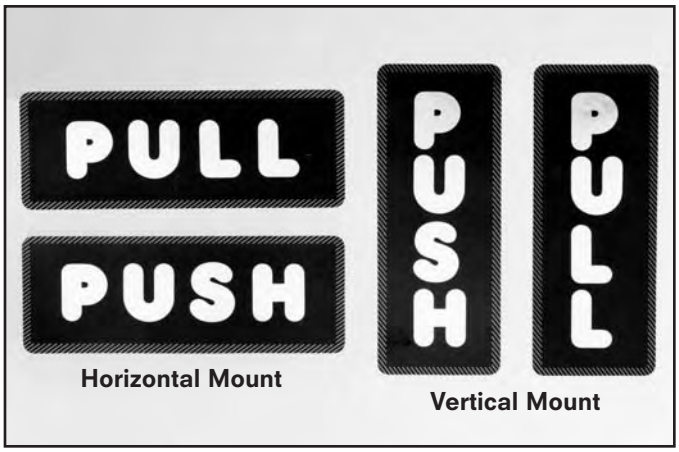
318-8742



318-8748

Entrance Door Plaques

Made of Mylar



Horizontal Mount

Vertical Mount

These attractive mylar plaques are two-sided with PUSH on one side and PULL on the reverse. A pressure adhesive on one side secures it to the glass door.

VERTICAL MOUNTING - 2-1/4″ x 5-3/4″

STOCK NO.	Description	UNIT PKG.
318-8731	Black with Silver Letters	ONE PLAQUE
318-8732	Black with Gold Letters	ONE PLAQUE

HORIZONTAL MOUNTING - 5-3/4″ x 2-1/4″

STOCK NO.	Description	UNIT PKG.
318-8733	Black with Silver Letters	ONE PLAQUE
318-8734	Black with Gold Letters	ONE PLAQUE

Window and Door Crash Guard Safety Discs

Lessens the Possibility of Door Crashes
Aluminum Spots with Satin Finish



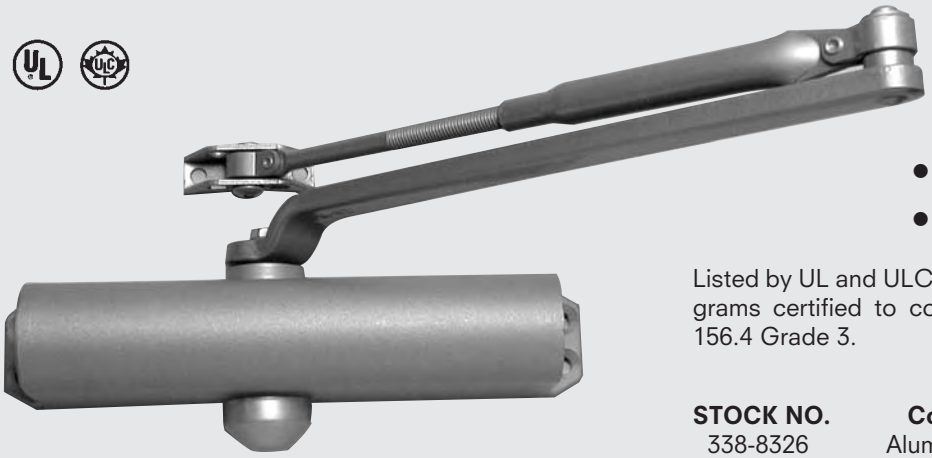
Stylish guards provide safety to individuals by visually alerting them of doors and windows. Greatly reduces the danger of people walking into glass doors or partitions and seriously injuring themselves.

Two-part discs come in a special weather resistant coating and may be installed indoors or outdoors. Position in any pattern. Strong adhesive foam mounting tape on back.

STOCK NO.	Description	Diameter	UNIT PKG.
318-8353	Set of 8 Discs	2-1/4″	ONE SET

Door Closers

Sentinel Door Closers



- 25 Year Guarantee
- Made in U.S.A.

Listed by UL and ULC. under continuing reinspection programs certified to conform to requirements of ANSI A 156.4 Grade 3.

Exterior Doors

STOCK NO.	Color	Description	UNIT PKG.
338-8326	Aluminum	Regular Arm	ONE
338-8327	Duranodic	Regular Arm	ONE

SOMACA Door Closers



- 10 Year Guarantee

Listed by UL and ULC. Fits same template as Norton 1600 and Yale 50. Adjustable latching and closing speeds. Includes all hardware. Non-handed.

Medium Duty

STOCK NO.	Color	Description	UNIT PKG.
318-4210	Aluminum	3′ Interior/2.6′ Exterior	ONE
318-4211	Duranodic	3′ Interior/2.6′ Exterior	ONE

Exterior Doors/Heavy Duty

STOCK NO.	Color	Description	UNIT PKG.
318-4212	Aluminum	3.8′ Interior/3′ Exterior	ONE
318-4213	Duranodic	3.8′ Interior/3′ Exterior	ONE

Extra Heavy Duty

STOCK NO.	Color	Description	UNIT PKG.
318-4214	Aluminum	4′ Interior/3.6′ Exterior	ONE
318-4215	Duranodic	4′ Interior/3.6′ Exterior	ONE

Hold Open Arm Only

STOCK NO.	Color	Description	UNIT PKG.
318-4218	Aluminum	All Doors	ONE
318-4219	Duranodic	All Doors	ONE

SOMACA Door Closers



- **10 Year Guarantee • Grade 1**
- **Heavy Duty Spring Adjustable Closer**

Listed by UL and ULC. Spring power adjusted from #2 to #6. ADA compliant at lower setting. Includes cover, hardware and parallel arm bracket.

Interior Doors/Medium Duty

STOCK NO.	Color	Description	UNIT PKG.
318-4140	Aluminum	Adjustable #2–#6	ONE
318-4141	Duranodic	Adjustable #2–#6	ONE

Hold Open Arms Only

STOCK NO.	Color	Description	UNIT PKG.
318-4218	Aluminum	All Doors	ONE
318-4219	Duranodic	All Doors	ONE

Optional Kit - Cover, Arm, and Parallel Arm Brackets

STOCK NO.	Color	Description	UNIT PKG.
338-8311	Polished Brass	Kit	ONE
338-8312	Polished Chrome	Kit	ONE

Covered Chain Door Stop



This chain was designed for full-sized exterior doors. It has superior stopping and cushioning qualities, plus rugged compression springs. Cast brass plates. 1-1/2" square.

STOCK NO.	Color	Length	UNIT PKG.
318-4174	Dull Chrome	30-1/2"	ONE
318-4175	Duranodic	30-1/2"	ONE



- **Combined Barrier Free/Delayed Action ADA Closers**
- **10 Year Guarantee • Grade 1**
- **Heavy Duty Spring Adjustable Closer**

Listed by UL and ULC. Spring power adjusted. ADA compliant at lower setting. Includes cover, hardware and parallel arm bracket.

STOCK NO.	Color	Description	UNIT PKG.
338-8313	Aluminum	Adjustable #1/2–#4	ONE
338-8314	Duranodic	Adjustable #1/2–#4	ONE

Norton®/Yale® Door Closers #9300/#2300

- **5 Year Guarantee**



Easy Installation. Uses same template as Parker 500, Taco 500, International 50 and Jackson 70. Non-Handed. Conforms to UL. 10C - Grade 3. Standard Pack provides for regular arm, parallel arm or top jamb installation.

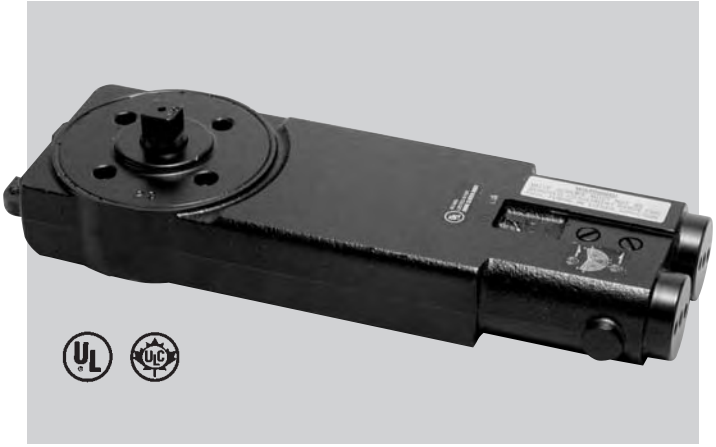
Interior Doors - Max. Widths

STOCK NO.	Color	Reg. Arm	Parallel Arm	UNIT PKG.
318-4120	Aluminum	40" Max	38" Max	ONE
318-4121	Dk. Amber	40" Max	38" Max	ONE

Exterior Doors - Max. Widths

318-4122	Aluminum	40" Max	38" Max	ONE
318-4123	Dk. Amber	40" Max	38" Max	ONE

Concealed Overhead Contractor Quality Door Closers



- **5 Year Guarantee**
- **90˚ Back Stop with Hold Open at 90˚**

Complies with ANSI A-156.4. Center pivoted for single and double action doors. Provides positive centering. Fits standard 4" header. Grade 1.

Body Only - Parts Listed Below

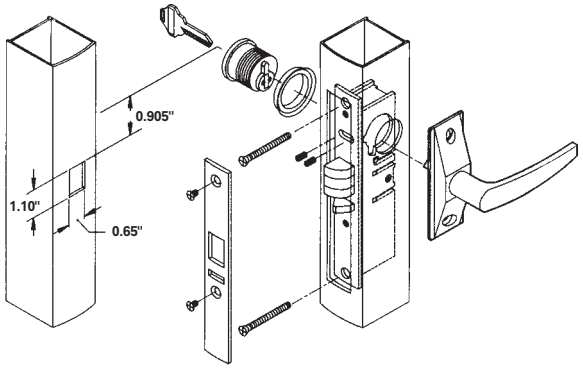
STOCK NO.	Max Door Size/Wt.	Spring Tension	Force Open/Close	UNIT PKG.
338-8315	30"/155 lbs.	Light	8.5/4.7 lbs.	ONE
338-8316	41"/243 lbs.	Medium	12.4/7.4 lbs.	ONE
338-8317	48"/360 lbs.	Heavy	16/9.6 lbs.	ONE

PARTS

STOCK NO.	Component	Color/Hand	UNIT PKG.
338-8318	Side Load Arm		ONE
338-8319	End Load Arm		ONE
338-8320	Offset Arm	Aluminum	ONE
338-8321	Offset Arm	Duranodic	ONE
338-8322	*Bottom Pivots	Alum/Right	TWO
338-8323	*Bottom Pivots	Alum/Left	TWO
338-8324	*Bottom Pivots	Brz/Right	TWO
338-8325	*Bottom Pivots	Brz/Left	TWO

*Bottom Pivots are Dual Purpose

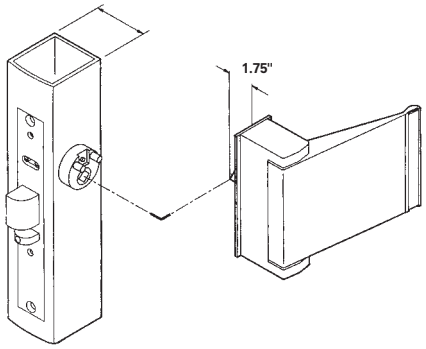
Lever Handle with Cam Plug



This lever handle and cam plug set is available individually to fit narrow stile latches. Offered in both Aluminum and Duranodic finishes, the sets are handed for left and right.

STOCK NO.	Color	Description	UNIT PKG.
347-6785	Aluminum	Left Hand	ONE
347-6786	Aluminum	Right Hand	ONE
347-6787	Duranodic	Left Hand	ONE
347-6788	Duranodic	Right Hand	ONE

Push and Pull Paddles



These heavy duty paddles are designed specifically to operate trouble free with any narrow stile latch. Complete with mounting hardware and cam plug. Replaces popular industry models and is interchangeable with Adams Rite.

STOCK NO.	Color	Description	UNIT PKG.
PUSH TYPE PADDLE			
347-6790	Aluminum	Left Hand	ONE
347-6791	Aluminum	Right Hand	ONE
347-6792	Duranodic	Left Hand	ONE
347-6793	Duranodic	Right Hand	ONE
PULL TYPE PADDLE			
347-6794	Aluminum	Left Hand	ONE
347-6795	Aluminum	Right Hand	ONE
347-6796	Duranodic	Left Hand	ONE
347-6797	Duranodic	Right Hand	ONE

jackson

Jackson Concealed Overhead Door Closers and Accessories

• Industry Leader for 35 Years • ANSI Grade 1 - Tested to 200,000 Cycles
• Made in the U.S.A. • 5 Year Warranty • UL Listed - Meets UL288
• Independent Closing & Latching Speed Valves • Hydraulic Backcheck Valve
• 1/2" Spindle Length Standard - 7/8" and 1-13/64" Also Available

Center-Hung Closer Package

Side Load and End Load Arms Available

Package Includes: Closer, End Load Arm (7/8" Top Rail Depth), Floor Mount Pivot (1-9/16" Bottom Rail Depth) and Closer Mounting Brackets.

STOCK NO.	Description	UNIT PKG.
318-4104	90° - No Hold Open - Regular Duty	ONE PKG.
318-4105	90° - Hold Open - Regular Duty	ONE PKG.
318-4102	105° - No Hold Open - Regular Duty	ONE PKG.
318-4103	105° - Hold Open - Regular Duty	ONE PKG.



Offset Arm Closer Package

Package Includes: Closer, Offset Arm and Slide Channel (Minimum 5/8"Rail Depth), and Closer Mounting Brackets.

STOCK NO.	Description	UNIT PKG.
318-4230	90° - No Hold Open - Regular Duty	ONE PKG.
318-4231	90° - Hold Open - Regular Duty	ONE PKG.
318-4232	105° - No Hold Open - Regular Duty	ONE PKG.
318-4233	105° - Hold Open - Regular Duty	ONE PKG.



Closer Body Only

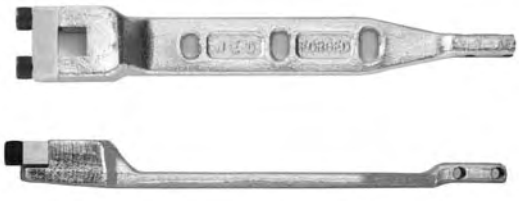
ADA Compliance - Adjustable Opening Force from 5 lbs. to 8 lbs.

STOCK NO.	Description	UNIT PKG.
318-4243	90° - No Hold Open - Regular Duty	ONE
318-4244	90° - Hold Open - Regular Duty	ONE
318-4245	105° - No Hold Open - Regular Duty	ONE
318-4246	105° - Hold Open - Regular Duty	ONE
318-4247	105° - No Hold Open - Adjustable	ONE



Accessories

STOCK NO.	Description	UNIT PKG.
318-4551	End Load Arm - for a 5/8" Rail Depth	ONE
318-4552	End Load Arm - for a 7/8" Rail Depth	ONE
318-4550	End Load Arm - for a 1" Rail Depth	ONE
318-4400	Side Load Arm - for a 1/2" Rail Depth	ONE
318-4553	Offset Arm in US28 Clear Aluminum	ONE
318-4556	Offset Arm in US313 Dark Bronze	ONE
318-4554	Slide Channel - for a 7/8" Rail Depth	ONE
318-4555	Slide Channel - for a 5/8" Rail Depth	ONE



jackson

Rim Panic Exit Device

Handed



Left Hand Reverse Shown

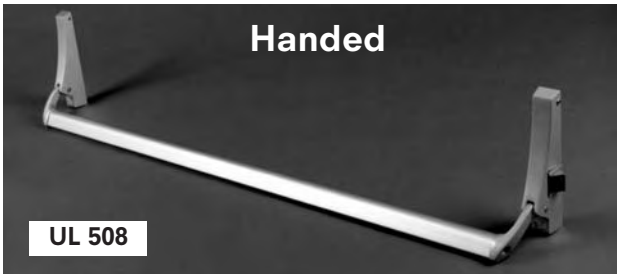
These units have a concealed fastening feature with heavy duty lever arms and bodies. They are ideal for use on new or existing construction. Exit devices can be used on narrow, medium or wide stile, solid or hollow metal single doors. Additional features include: nylon bushings at arm pings, contoured crossbar and adjustable strikes. A standard rim cylinder can be applied directly to the door.
The standard 42" width fits most doors, and the bar can be cut to fit narrower doors. Furnished with Type "C" strike.

This device can accept standard mortise cylinder, enabling the unit to be utilized as an entrance and exit device.

STOCK NO.	Finish	Handle	UNIT PKG.
318-1420	Aluminum	Left Hand Reverse	ONE DEVICE
318-1421	Aluminum	Right Hand Reverse	ONE DEVICE
318-1422	Bronze	Left Hand Reverse	ONE DEVICE
318-1423	Bronze	Right Hand Reverse	ONE DEVICE

Narrow Stile Panic Exit Device

Push Bar Type



Narrow stile exit devices are doggable - can be locked open. For doors up to 3'6" wide. Use with a rim cylinder, and for installation on 1-3/4" thick metal doors. Cross bars are contoured.

STOCK NO.	Finish	Handle	UNIT PKG.
318-1430	Aluminum	Left Handed	ONE DEVICE
318-1431	Aluminum	Right Handed	ONE DEVICE

Protective Push Bar



Sturdy bar can be mounted on all types of storm, jalousie, screen doors and windows to protect against damage to glass or screens. Made of heavy duty 5/8" dia. aluminum tubing.

STOCK NO.	Finish	Cut to Fit	UNIT PKG.
318-1440	White	36"	ONE DEVICE

Mortise Cylinder Lock and Trim Rings





Same as cylinder key lock No. 318-4191, except with a thumb-turn instead of a keyway. Use on the inside for locking door without a key. 1" long with 1-1/4" diameter face. Adams Rite cam.

CYLINDER LOCK

STOCK NO.	Finish	UNIT PKG.
318-4192	Duranodic	ONE LOCK
318-4193	Dull Chrome	ONE LOCK

ALL METAL TRIM RING

STOCK NO.	Finish	UNIT PKG.
318-4194	Duranodic	ONE RING
318-4195	Dull Chrome	ONE RING

Mortise Cylinder Lock



These locks are used on storefront doors. Made of brass bar stock, 1" long with a 1-1/4" face diameter. Adams Rite Cam.

SOLD IN PAIRS
KEYED ALIKE

STOCK NO.	Finish	UNIT PKG.
318-4191	Dull Chrome	ONE PAIR
318-4190	Duranodic	ONE PAIR

Dummy Cylinder Plugs

Trim Ring Included

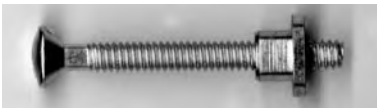


LENGTH: 1"

STOCK NO.	Description	UNIT PKG.
318-4197	Dull Chrome	ONE PLUG
318-4198	Duranodic	ONE PLUG

Door Closer Hardware

Closer Thru-Bolt and Grommet Nut Assembly



Used for mounting standard closers on metal doors. Bolt goes through the door and is secured with grommet nut.

STOCK NO.	Finish	Size	UNIT PKG.
318-4159	Aluminum	1/4-20 x 2-1/4"	ONE BOLT
318-4160	Duranodic	1/4-20 x 2-1/4"	ONE BOLT

Door Closer Mounting Plates

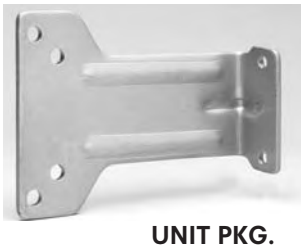


Heavy metal plates are used for the mounting of Somaca, Parker and Norton door closers to frames on narrow stile metal entrance doors. Screws are furnished with each plate.

STOCK NO.	Finish	Use With Closer	UNIT PKG.
318-4153	Aluminum	318-4210	ONE PLATE
318-4154	Duranodic	318-4211	ONE PLATE
318-4156	Aluminum	318-4212, 14	ONE PLATE
318-4157	Duranodic	318-4213, 15	ONE PLATE

Closer Parallel Arm Brackets

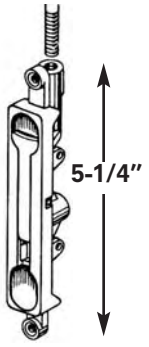
Bracket converts a standard door closer to a parallel arm application when necessary. Aluminum and duranodic finishes.



STOCK NO.	Finish	UNIT PKG.
318-4150	Aluminum	ONE BRACKET
318-4151	Duranodic	ONE BRACKET

Lever Flush Bolts





Die cast lock bolts can be installed on any narrow stile aluminum door. Can be mounted on top or bottom of door sill. The threaded rod adjusts from 8" to 10". Rounded corners. Each face plate is 7/8" x 4-3/16".

STOCK NO.	Finish	UNIT PKG.
347-6780	Dull Chrome	ONE BOLT
347-6781	Duranodic	ONE BOLT

Door Template Butt Hinges

Ball bearing steel hinges are ideal for medium weight metal and wood doors. Quality construction in dull chrome and duranodic finishes. For new or replacement door installations.



12 WOOD SCREWS - 24 MACHINE SCREWS FURNISHED
SOLD 3 HINGES PER BOX
1/4" RADIUS, ROUND CORNER - NON-REMOVABLE PIN

STOCK NO.	Finish	Size	UNIT PKG.
318-4161	Dull Chrome	4-1/2" x 4"	ONE BOX
318-4162	Duranodic	4-1/2" x 4"	ONE BOX

1/4" RADIUS, ROUND CORNER - REMOVABLE PIN

STOCK NO.	Finish	Size	UNIT PKG.
318-4171	Dull Chrome	4-1/2" x 4"	ONE BOX
318-4172	Duranodic	4-1/2" x 4"	ONE BOX

ADA Door Pressure Gauge

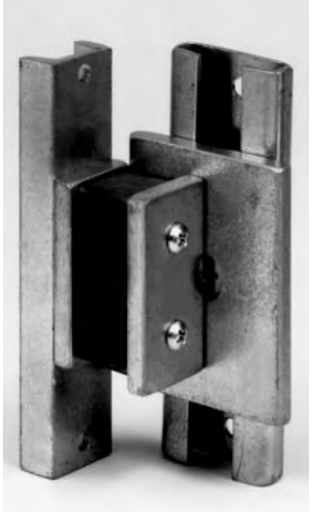
Determines Pound Pressure Needed to Open Doors

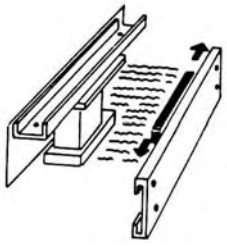


Pocket size gauge determines whether or not interior and exterior doors conform to ADA regulations. The pressure gauge shows the amount of force needed to open doors in either pounds or kilograms. 0 to 35 lbs., 0 to 15 kilograms.

STOCK NO.	Finish	Open Length	UNIT PKG.
318-4131	Metallic Silver	8"	ONE GAUGE

Magnetic Door Retainer M-50





Steel adjustable door retainer has 0 to 50 lbs. of holding power. A 3/4" x 3/4" magnet and spacer channel is mounted to the header. The faceplate assembly mounts to door. Magnetic pull is adjustable by positioning of faceplate. Keeps doors secure and draft free.

STOCK NO.	Finish	Length	UNIT PKG.
318-7050	Aluminum	4-1/2"	ONE RETAINER

Door Accessories

Finish Off Your Job with Quality Products

Drop Down Door Holder



1-1/2" x 2" Base

STOCK NO.	Finish	UNIT PKG.
318-3753	Aluminum	ONE
318-3752	Brass	ONE
318-3754	Duranodic	ONE

Dome Type Door Stop High Dome

1-3/8" high with 1/2" base height. Wood screws and anchors furnished.



STOCK NO.	Finish	UNIT PKG.
318-3763	Aluminum	ONE
318-3765	Brass	ONE
318-3776	Duranodic	ONE

Dome Type Door Stop Low Dome



1" high with 5/32" base height. Wood screws and anchors furnished.

STOCK NO.	Finish	UNIT PKG.
318-3762	Aluminum	ONE
318-3761	Brass	ONE
318-3772	Duranodic	ONE

Floor Door Stop

3" high with 2-1/2" diameter base. Wood screws and anchors furnished.



STOCK NO.	Finish	UNIT PKG.
318-3750	Aluminum	ONE
318-3740	Brass	ONE

Floor Door Stop with Holder



3"high with 2-1/2" diameter base, 2-3/4" hook. Staple plate is 1-3/8" x 1-7/8". Wood screws and anchors furnished.

STOCK NO.	Finish	UNIT PKG.
318-3751	Aluminum	ONE
318-3741	Brass	ONE
318-3771	Duranodic	ONE

Concave Wall Bumper

1" vinyl protection, 2-1/2" diameter base. Wood screws and anchors furnished.



STOCK NO.	Finish	UNIT PKG.
318-3755	Aluminum	ONE
318-3775	Duranodic	ONE

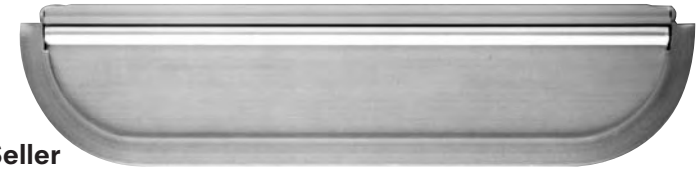
Glass Door Mail Slots

Anodized Aluminum and Bronze Mail Slots for 1/4" Glass Door Panels



Premium Quality

Flangeless Style with Glass Channel - Sleeve Wrap



***Best Seller**

These flangeless slots feature a glass retainer channel. All mechanisms are hidden, and no screws are required for installation. A strong spring holds the flap firmly against the frame to keep out dirt and moisture.

SIZE	OVERALL LENGTH	LETTER OPENING
A	9-5/8"	1-3/4" x 8-3/4"
B	12-3/16"	1-3/4" x 11-3/16"
C	16"	1-3/4" x 15-1/4"

STOCK NO.	Size	Finish	UNIT PKG.
318-2200*	A	Anodized Aluminum	ONE
318-2201	A	Duranodic Medium Bronze	ONE
318-2222	B	Anodized Aluminum	ONE
318-2223*	B	Duranodic Medium Bronze	ONE
318-2235	C	Anodized Aluminum	ONE
318-2236	C	Duranodic Medium Bronze	ONE



Excellent Quality

Flange Style - Sleeve Wrap



***Best Seller**

A flange-style slot with full radius curves for easy glass cut-outs. Mail slot is spring tension activated, producing a tight seal to prevent dirt, dust and water penetration. No screws required for installation.

SIZE	OVERALL LENGTH	LETTER OPENING
A	9-3/4"	1-3/4" x 8-3/4"
B	12-3/16"	1-3/4" x 11-1/4"

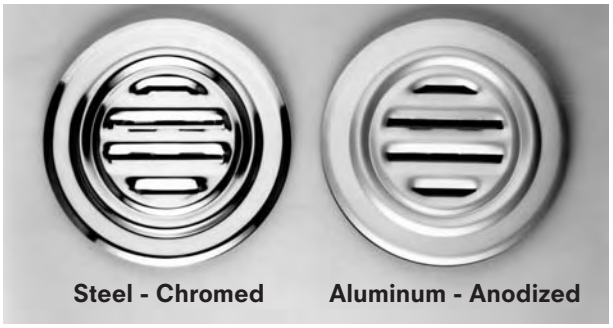
STOCK NO.	Size	Finish	UNIT PKG.
318-2240*	A	Anodized Aluminum	ONE
318-2241	A	Duranodic Medium Bronze	ONE
318-2242	B	Anodized Aluminum	ONE
318-2243	B	Duranodic Medium Bronze	ONE

IMPORTANT: The dimensions shown above for mail slots may vary slightly, due to hand fabrication. Mail slots should be given to tempering manufacturer when door order is entered, to insure accurate cut-out.

Speak Holes and Ticket Windows

Somaca "No-Draft" Metal Speak Holes

For 3/16" - 1" Glass



These high quality speak holes are designed to eliminate bugs and air drafts. They have a theft-proof locking device and cannot be removed from the outside. Complete unit consists of two rings, two cork gaskets, and two locking screws, 3/8" and 1/2". Unit will accommodate glass from 3/16" to 1" thick.

STOCK NO.	Material	Finish	Opening	UNIT PKG.
318-6834	Alum.	Satin Anodz.	2-1/2" to 4-1/4"	ONE
318-6841	Steel	Chromed	2-1/2" to 4-1/4"	ONE
318-6842	Steel	Chromed	2-1/4" to 5-1/4"	ONE

Speak Hole Rings

Durable Plastic

For 3/16" - 1/4" Glass
Aluminum and Bronze



A two-piece "snap-in" type speak hole ring for inside installation. Conceals roughly ground and chipped edges of glass. Fits 4" diameter hole. Adjustable for 3/16", 7/32" or 1/4" glass.

STOCK NO.	Material	Finish	Opening	UNIT PKG.
318-6543	Plastic	Aluminum	4"	ONE
318-6545	Plastic	Bronze	4"	ONE

Ticket Window Cover

For 1/4" Glass

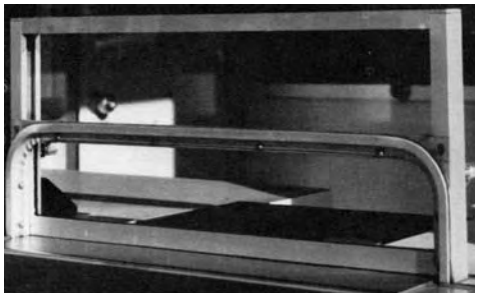


A smartly styled aluminum ticket cover with 1/4" glass frame channel. The swing away door is equipped with a tamper-proof spring loaded snap lock, plus a retaining pin for security.

STOCK NO.	Finish	Inside Opening	UNIT PKG.
318-4720	Satin Anodized	6-1/2" W x 3-1/4" H	ONE

Ticket and Cashier Windows

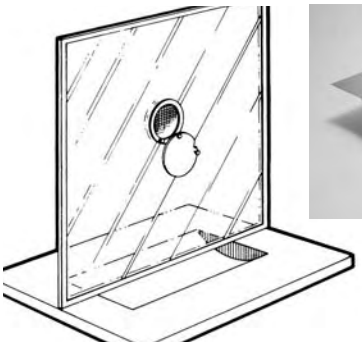
For 1/4" Glass

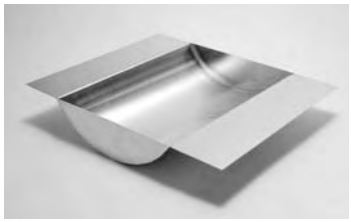


These fully glazed windows have nylon slides with lifetime coil springs for permanent tension and "window fin" weatherseal on the lower frame. Window is shipped fully assembled.

STOCK NO.	Finish	Overall Size		Opening		UNIT PKG.
		Length	Height	Length	Height	
318-4702	Alum.	19-1/4"	8-1/2"	18"	3-3/4"	ONE
318-4704	Brnz.	19-1/4"	8-1/2"	18"	3-3/4"	ONE

Cash Trays





The coin and ticket tray may be installed in new or existing counter tops. Allows glass to extend full length of opening to offer "security in serving." Material is 18 gauge (.048).

STOCK NO.	Finish	Dimensions	UNIT PKG.
318-4762	Stainless	14-3/8" x 12" x 2-1/4" Deep	ONE
318-4768	Stainless	14-3/4" x 18" x 2-1/4" Deep	ONE

Mail and Small Parcel Doors

For 1/4" Glass

One-piece aluminum door furnished in alumilite or bronze finishes. 1/4" glass frame channel. No mounting screws are required. Door opens when inside latch bar is retracted.



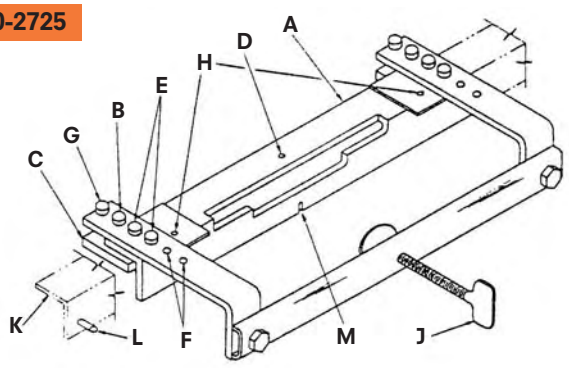
Front View

STOCK NO.	Finish	Overall Size		Opening		UNIT PKG.
		Length	Height	Length	Height	
318-2532	Alum.	12-1/2"	5-3/8"	11-1/2"	4-1/2"	ONE
318-2535	Brnz.	12-1/2"	5-3/8"	11-1/2"	4-1/2"	ONE

Master Fixtures and Notching Saw

Master Fixtures

230-2725

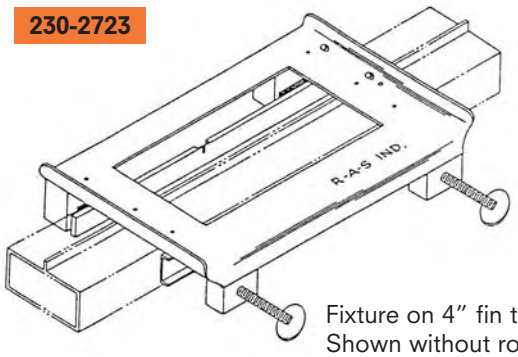


Shown without router drill jig template.

- **A** Indexing angle
- **B** Socket head cap section - tightens clamp **(C)** on locating bar **(K)**
- **C** Clamp
- **D** Indexing hole for attaching master fixture on locating bar **(K)** for often used dimensions (or production work)
- **E** Socket head cap screws attach indexing angle for use on 3″ to 5″ tube
- **F** Holes for attaching indexing angle for use on 1″ to 3″ tube - NOTE: **(B, C and G)** must also be relocated
- **G** Clamping spacer
- **H** Tapped holes for mounting router template
- **J** Large thumb screws insure positive clamping of fixture to tube
- **K** Locating bar (sold separately) for two or more master fixtures
- **L** Stop for locating tube
- **M** Indexing slot locates master fixture longitudinally on tube and insures proper location of router drill jig template

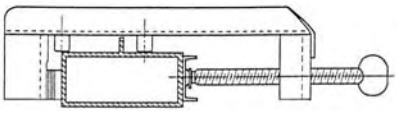
STOCK NO.	Mfr. No.	Fits Tube Size	UNIT PKG.
230-2725	MA 5-10	1″ to 5″	ONE

230-2723



Fixture on 4″ fin tube. Shown without router drill jig template.

End View

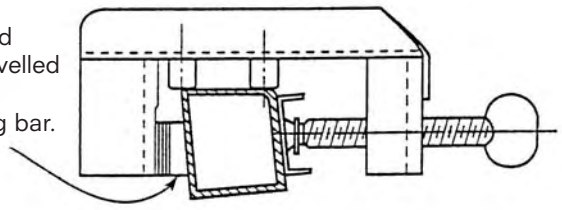


STOCK NO.	Mfr. No.	Fits Tube Size	UNIT PKG.
230-2723	M 2-10	3″ to 6″	ONE

230-2724

End View

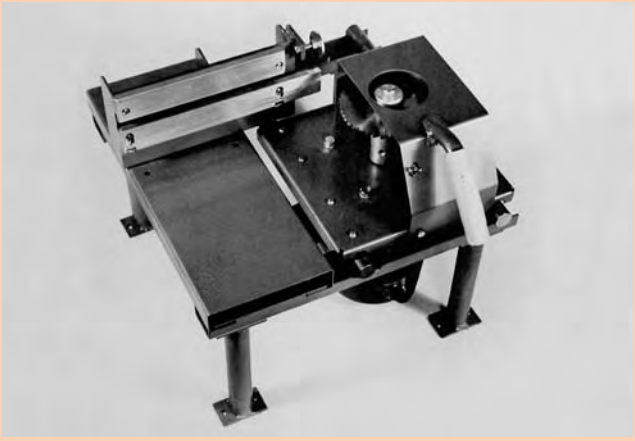
Supplied with bevelled and flat indexing bar.



For narrow and bevel tubing.

STOCK NO.	Mfr. No.	Application	UNIT PKG.
230-2724	M 2-10	Narrow & Bevel Tubing	ONE

NS-400 Notching Saw



- **Lightweight Saw is Portable for Field Fabrication**
- **Includes 5″ High Speed Steel Slotting Saw Blade**

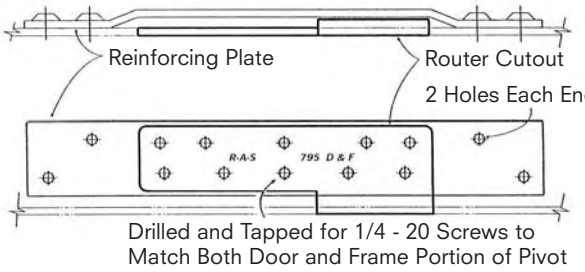
Made of heavy duty channel and square steel tubings. The NS-400 Notching Saw is powered by a Westinghouse 3/4 HP motor for continuous heavy use. The motor is activated by a momentary switch located conveniently by the handle. Tube stop is adjustable for the depth of the notch desired.

STOCK NO.	Width	Length	Height	Shipping Weight	UNIT PKG.
230-2945	17-1/2″	17″	14″	80 lbs.	ONE

Reinforcing Plates and Brackets

Reinforcing Back-Up Plates

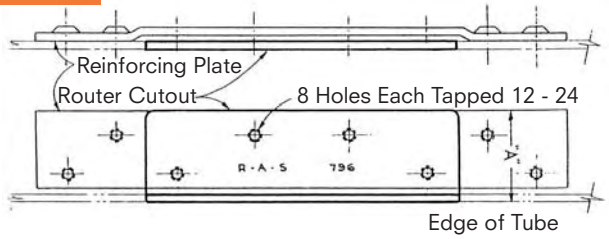
230-2711 **Intermediate Offset Pivot Door Portion (RH Shown)**



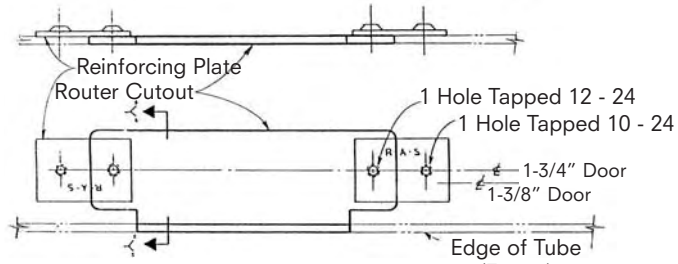




230-2710 **Reinforcing Plate - 5″ Standard Butt Hinge**



230-2715 **Reinforcing Plate - Lock Striker (2 Required)**

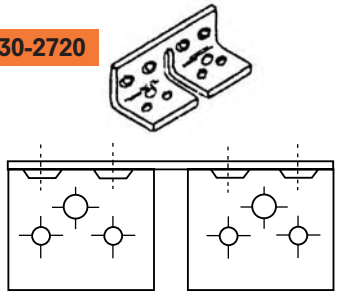


REINFORCING BACK-UP PLATES UNIT PKG: ONE PLATE			ROUTER/DRILL JIG TEMPLATE ONE SET, RIGHT & LEFT		MASTER FIXTURE UNIT PKG: ONE	
STOCK NO.	Application/Use	Reinforcing Plate Mfr. No.	STOCK NO.	Router/Drill Jig Template	STOCK NO.	Fixture Mfr. No.
230-2711	Intermediate Pivot - Door Portion	795 D & F	230-2717	(1795D) Door	230-2723	M 2 - 10
230-2711	Intermediate Pivot - Frame Portion	795 D & F	230-2716	(1795F) Frame	230-2724	M 6 - 10
230-2710	5″ Standard Butt Hinge	796	230-2718	1796	230-2725	MA 5 - 10
230-2713	4-1/2″ Standard Butt Hinge	951U	230-2719	**	230-2723	M 2 - 10
					230-2724	M 6 - 10
230-2715	Lock Strike	784 B	230-2722	1784B	230-2723	M 2 - 10

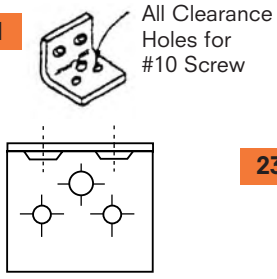
**Must State Door Manufacturer and Standard Set Back of Door When Ordering

Storefront Brackets

230-2720

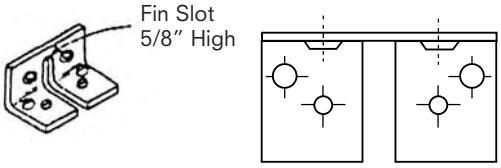


230-2721





230-2723



STOREFRONT BRACKETS UNIT PKG: ONE BRACKET			ROUTER/DRILL JIG UNIT PKG: ONE	
STOCK NO.	Application	Mfr. No.	STOCK NO.	Drill Jig No.
230-2720	Plain or Center Fin Tube 4″ - 5″	80	230-2724 230-2725	75 With Stop 76
230-2721	Special Applications Tube 4″ - 5″	81	230-2724 230-2725	75 With Stop 76
230-2732	Plain or Center Fin Tube 3″	84	230-2726 230-2727	38C 39C With Stop

Touch-Up Paint and Mirror Edge Sealers





AlumaColor Metal Extrusion Touch-Up Paint

"The Quick Fix"

Perfect For Use On:
- **Aluminum Storefront Sections**
- **Aluminum Door and Window Frames**
- **Touch-Up Use in the Field**

AlumaColor is an outstanding aerosol touch-up paint for use on aluminum building materials. Primarily developed for the glazing industry to match the anodic architectural finishes of aluminum extrusions, it does an outstanding job of simulating the look of anodized and painted or coated metals. This paint is for touch-up work only. Product performance is not warranteed. AlumaColor covers scratch marks, mars, pits and surface discoloration - reduces scrap and saves money. The special lacquer formulation dries within 10 minutes with excellent color retention and durability.

NOTE: Always shake vigorously before using to insure that mixing balls are activated. Use and store in an area away from open flame or intense heat.

SOLD PER 12 OZ. AEROSOL CAN - 6 CANS PER CARTON

FINISHES FOR ANODIZED ALUMINUM

STOCK NO.	Mfg's #	Color	UNIT PKG.
336-8521	77-301	Medium Bronze	ONE CAN
336-8522	77-302	Dark Bronze	ONE CAN
336-8526	77-300	Statuary Bronze	ONE CAN
336-8528	77-312	California Black/Bronze	ONE CAN
336-8523	77-303	Black	ONE CAN
336-8525	77-305	Aluminum (BEST SELLER)	ONE CAN

FINISHES FOR COATED ALUMINUM

STOCK NO.	Mfg's #	Color	UNIT PKG.
336-8527	77-311	Florida MB-40 Med. Bronze	ONE CAN
336-8532	77-306	Quaker Bronze	ONE CAN
336-8533	77-308	Architectural Black	ONE CAN
336-8538	77-309	Antique Bronze	ONE CAN
336-8537	77-307	Cloud White	ONE CAN

Mirror Edge Sealers



Protects Mirror Backing Against Black Edges

These products are formulated to seal mirror edges after machine or hand edging. Black edges and spoiling occur when the silver is oxidized, either by heat, salty air, extreme humidity (bathrooms, saunas), sweat from glass handler's hands or improper cleaning methods.

COVERAGE PER LINEAR INCH

GUNTHER . . . . . 20,000 Linear Inches
LOYAL . . . . . 60,000 Linear Inches (approx.)
SOMACA . . . . . No data for aerosol product

STOCK NO.	Description	Brand	Application	Dry/Color	Size	Case	UNIT PKG.
336-8109	Mirror Edge Sealer	Gunther	Liquid w/Applicator Tip	Clear	4 oz.	6	ONE BOTTLE
336-7403	Mirror Edge Sealer	Loyal	Liquid w/Brush	Clear	Pint	6	ONE CAN
336-7400	Mirror Edge Sealer	Somaca	Aerosol	Clear	10.5 oz.	12	ONE CAN

Aluminum Insect Screen Wire



Aluminum Screen Wire

Aluminum Screening is the Standard of the Industry. The Finish is Free from Streaks, Easy to Fabricate, and Long Lasting. Aluminum is the Standard Used by Many Window and Door Manufacturers.

• BRIGHT ALUMINUM • CHARCOAL • BLACK

18 x 16 Fine Mesh - 100 Lineal Feet. UNIT PKG: ONE ROLL

BRIGHT ALUMINUM STOCK NO.	CHARCOAL ALUMINUM STOCK NO.	BLACK ALUMINUM STOCK NO.	Width	Footage	Weight
348-1016	348-1116	348-2416	16″	133 sq. ft.	6 lbs.
348-1018	348-1118	348-2418	18″	150 sq. ft.	7 lbs.
348-1020	348-1120	348-2420	20″	167 sq. ft.	8 lbs.
348-1022	348-1122	348-2422	22″	183 sq. ft.	8-1/2 lbs.
348-1024	348-1124	348-2424	24″	200 sq. ft.	9 lbs.
348-1026	348-1126	348-2426	26″	217 sq. ft.	10 lbs.
348-1028	348-1128	348-2428	28″	233 sq. ft.	10-1/2 lbs.
348-1030	348-1130	348-2430	30″	250 sq. ft.	11 lbs.
348-1032	348-1132	348-2432	32″	267 sq. ft.	12 lbs.
348-1034	348-1134	348-2434	34″	283 sq. ft.	12-1/2 lbs.
348-1036	348-1136	348-2436	36″	300 sq. ft.	13-1/2 lbs.
348-1038	348-1138	348-2438	38″	317 sq. ft.	14 lbs.
348-1040	348-1140	348-2440	40″	333 sq. ft.	14-1/2 lbs.
348-1042	348-1142	348-2442	42″	350 sq. ft.	15-1/2 lbs.
348-1044	348-1144	348-2444	44″	367 sq. ft.	16 lbs.
348-1046	348-1146	348-2446	46″	383 sq. ft.	16-1/2 lbs.
348-1048	348-1148	348-2448	48″	400 sq. ft.	18 lbs.
348-1054	348-1154	348-2454	54″	450 sq. ft.	19-1/2 lbs.
348-1060	348-1160	348-2460	60″	500 sq. ft.	22-1/2 lbs.
348-1072	348-1172	348-2472	72″	600 sq. ft.	27 lbs.

Fiberglass Insect Screen Wire

Fiberglass Screen

Fiberglass Screening is Woven from Permanent Glass Yarn That Has Been Coated with a Protective Vinyl to Ensure Long Lasting Color and Flexibility. It is Non-Combustible and Will Not Rust, Corrode, or Stain.





OTHER MESH SIZES AVAILABLE!
Mesh sizes not listed below, such as 18 x 24, 20 x 20, or 20 x 30 are available on special order.

Gray Fiberglass Insect Screening

18 x 16 Fine Mesh - 100 Lineal Feet

STOCK NO.	Width	Footage	Weight	UNIT PKG.
348-2114	14″	117 sq. ft.	3-1/2 lbs.	ONE ROLL
348-2116	16″	133 sq. ft.	4 lbs.	ONE ROLL
348-2118	18″	150 sq. ft.	4-1/2 lbs.	ONE ROLL
348-2120	20″	167 sq. ft.	5 lbs.	ONE ROLL
348-2122	22″	183 sq. ft.	5-1/2 lbs.	ONE ROLL
348-2124	24″	200 sq. ft.	6 lbs.	ONE ROLL
348-2126	26″	217 sq. ft.	6-1/2 lbs.	ONE ROLL
348-2128	28″	233 sq. ft.	7 lbs.	ONE ROLL
348-2130	30″	250 sq. ft.	7-1/2 lbs.	ONE ROLL
348-2132	32″	267 sq. ft.	8 lbs.	ONE ROLL
348-2134	34″	283 sq. ft.	8-1/2 lbs.	ONE ROLL
348-2136	36″	300 sq. ft.	9 lbs.	ONE ROLL
348-2138	38″	316 sq. ft.	9-1/2 lbs.	ONE ROLL
348-2140	40″	333 sq. ft.	10 lbs.	ONE ROLL
348-2142	42″	350 sq. ft.	10-1/2 lbs.	ONE ROLL
348-2144	44″	367 sq. ft.	11 lbs.	ONE ROLL
348-2146	46″	383 sq. ft.	11-1/2 lbs.	ONE ROLL
348-2148	48″	400 sq. ft.	12 lbs.	ONE ROLL
348-2154	54″	450 sq. ft.	12-1/2 lbs.	ONE ROLL
348-2160	60″	500 sq. ft.	15 lbs.	ONE ROLL
348-2172	72″	600 sq. ft.	18 lbs.	ONE ROLL
348-2184	84″	700 sq. ft.	19-1/2 lbs.	ONE ROLL

Charcoal Fiberglass Insect Screening

18 x 16 Fine Mesh - 100 Lineal Feet

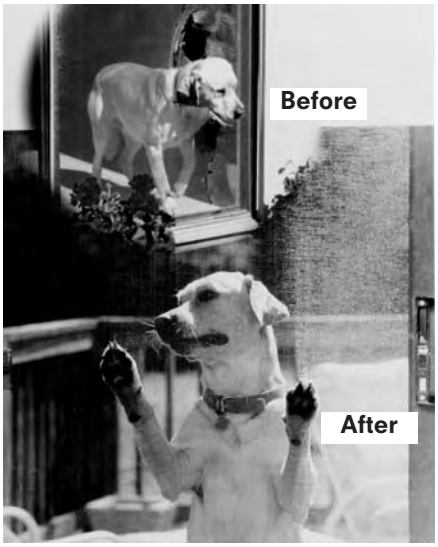
STOCK NO.	Width	Footage	Weight	UNIT PKG.
348-3114	14″	117 sq. ft.	3-1/2 lbs.	ONE ROLL
348-3116	16″	133 sq. ft.	4 lbs.	ONE ROLL
348-3118	18″	150 sq. ft.	4-1/2 lbs.	ONE ROLL
348-3120	20″	167 sq. ft.	5 lbs.	ONE ROLL
348-3122	22″	183 sq. ft.	5-1/2 lbs.	ONE ROLL
348-3124	24″	200 sq. ft.	6 lbs.	ONE ROLL
348-3126	26″	217 sq. ft.	6-1/2 lbs.	ONE ROLL
348-3128	28″	233 sq. ft.	7 lbs.	ONE ROLL
348-3130	30″	250 sq. ft.	7-1/2 lbs.	ONE ROLL
348-3132	32″	267 sq. ft.	8 lbs.	ONE ROLL
348-3134	34″	283 sq. ft.	8-1/2 lbs.	ONE ROLL
348-3136	36″	300 sq. ft.	9 lbs.	ONE ROLL
348-3138	38″	316 sq. ft.	9-1/2 lbs.	ONE ROLL
348-3140	40″	333 sq. ft.	10 lbs.	ONE ROLL
348-3142	42″	350 sq. ft.	10-1/2 lbs.	ONE ROLL
348-3144	44″	367 sq. ft.	11 lbs.	ONE ROLL
348-3146	46″	383 sq. ft.	11-1/2 lbs.	ONE ROLL
348-3148	48″	400 sq. ft.	12 lbs.	ONE ROLL
348-3154	54″	450 sq. ft.	12-1/2 lbs.	ONE ROLL
348-3160	60″	500 sq. ft.	15 lbs.	ONE ROLL
348-3172	72″	600 sq. ft.	18 lbs.	ONE ROLL
348-3184	84″	700 sq. ft.	19-1/2 lbs.	ONE ROLL

Fabricator Fiberglass Screen - 18 x 16 Fine Mesh - 800 Lineal Feet

STOCK NO.	Width	Footage	Weight	Color	UNIT PKG.
348-6124	24″	1600 sq. ft.	38 lbs.	Gray	ONE ROLL
348-6130	30″	2000 sq. ft.	47 lbs.	Gray	ONE ROLL
348-6136	36″	2400 sq. ft.	57 lbs.	Gray	ONE ROLL
348-7124	24″	1600 sq. ft.	30 lbs.	Charcoal	ONE ROLL
348-7130	30″	2000 sq. ft.	38 lbs.	Charcoal	ONE ROLL
348-7136	36″	2400 sq. ft.	46 lbs.	Charcoal	ONE ROLL

Specialty Screening

PHIFER PetScreen™



Pet-Resistant Insect Screening

Seven Times Stronger Than Regular Insect Screening

Resists Damage by Dogs and Cats. Excellent Outward Visibility. Made of Strong Vinyl-Coated Polyester and Easy to Install.

BLACK AND GRAY VINYL/POLYESTER

STOCK NO.	Color	Size	UNIT PKG.
348-4636	Gray	36″ x 100′	ONE ROLL
348-4648	Gray	48″ x 100′	ONE ROLL
348-4660	Gray	60″ x 100′	ONE ROLL
348-4930	Black	30″ x 100′	ONE ROLL
348-4936	Black	36″ x 100′	ONE ROLL
348-4948	Black	48″ x 100′	ONE ROLL
348-6010	Black	60″ x 100′	ONE ROLL

Pet Screen Smaller Rolls for the "Do-It-Yourselfer"

BLACK VINYL/POLYESTER

STOCK NO.	Size	UNIT PKG.
348-6000	36″ x 25′	ONE ROLL
348-3684	36″ x 84″	ONE ROLL
348-8000	48″ x 25′	ONE ROLL
348-4884	48″ x 84″	ONE ROLL

DIY Pet Screen Kits Includes Spline Tool, Spline and Screen

BLACK VINYL/POLYESTER

STOCK NO.	Size	UNIT PKG.
348-3685	36″ x 84″	ONE ROLL
348-4885	48″ x 84″	ONE ROLL

Phifer Pool/Patio Screening

A Stronger 18 x 14 Mesh Recommended for Large Openings Such as Porches, Pools, and Patios Where Extra Strength is Needed



CHARCOAL FIBERGLASS

STOCK NO.	Size	UNIT PKG.
348-3100	36″ x 100′	ONE ROLL
348-3101	48″ x 100′	ONE ROLL
348-3102	54″ x 100′	ONE ROLL
348-3103	60″ x 100′	ONE ROLL
348-3104	72″ x 100′	ONE ROLL
348-3105	84″ x 100′	ONE ROLL
348-3106	96″ x 100′	ONE ROLL
348-3108	108″ x 100′	ONE ROLL

Phifer Bronze



Made of 90% Copper and 10% Zinc That Weathers to a Beautiful Dark Bronze Finish. An Excellent Choice of Inland and Coastal Regions, Providing Strength and Durability

BRONZE COPPER/ZINC - 18 x 14 MESH

STOCK NO.	Size	UNIT PKG.
348-0024	24″ x 100′	ONE ROLL
348-0025	24″ x 50′	ONE ROLL
348-0030	30″ x 100′	ONE ROLL
348-0031	30″ x 50′	ONE ROLL
348-0036	36″ x 100′	ONE ROLL
348-0037	36″ x 50′	ONE ROLL
348-0042	42″ x 100′	ONE ROLL
348-0043	42″ x 50′	ONE ROLL
348-0048	48″ x 100′	ONE ROLL
348-0049	48″ x 50′	ONE ROLL
348-0060	60″ x 100′	ONE ROLL
348-0061	60″ x 50′	ONE ROLL

Phifer "Small Insect" Screening

CHARCOAL FIBERGLASS

STOCK NO.	Size	UNIT PKG.
348-2036	36″ x 100′	ONE ROLL
348-2048	48″ x 100′	ONE ROLL
348-2060	60″ x 100′	ONE ROLL
348-2072	72″ x 100′	ONE ROLL
348-2084	84″ x 100′	ONE ROLL
348-2096	96″ x 100′	ONE ROLL



Tight Woven 20 x 20 Mesh Keeps Out the Smallest Insects - Even "No See-Ums" But Lets the Summer Breezes In!

Insect Screening and Sun Control



Phifer SunScreen Solar Screening

SunScreen is a specially woven exterior solar screen that blocks up to 70% of the sun's heat and glare. SunScreen is an open weave made of durable vinyl-coated fiberglass yarn which has been heat treated for a stable and quality product.

BRONZE SUNSCREEN

STOCK NO.	Size	UNIT PKG.
348-4424	24″ x 100′	ONE ROLL
348-4430	30″ x 100′	ONE ROLL
348-4436	36″ x 100′	ONE ROLL
348-4048	48″ x 100′	ONE ROLL
348-4060	60″ x 100′	ONE ROLL
348-4072	72″ x 100′	ONE ROLL

CHARCOAL SUNSCREEN

STOCK NO.	Size	UNIT PKG.
348-4837	24″ x 100′	ONE ROLL
348-4330	30″ x 100′	ONE ROLL
348-4336	36″ x 100′	ONE ROLL
348-4348	48″ x 100′	ONE ROLL
348-4360	60″ x 100′	ONE ROLL
348-4372	72″ x 100′	ONE ROLL

Phifer SunTex Screening

SunTex is a woven fabric of extremely strong and durable vinyl-coated polyester yarn. The uniform weave design offers excellent outward visibility and good ventilation. SunTex blocks up to 80% of the sun's heat and glare. The fabric is also pet resistant making it ideal for use in doors and full length screen panels.

BLACK SUNTEX

STOCK NO.	Size	UNIT PKG.
348-4836	36″ x 100′	ONE ROLL
348-4848	48″ x 100′	ONE ROLL
348-4860	60″ x 100′	ONE ROLL
348-4872	72″ x 100′	ONE ROLL

GRAY SUNTEX

STOCK NO.	Size	UNIT PKG.
348-6836	36″ x 100′	ONE ROLL
348-6848	48″ x 100′	ONE ROLL
348-6861	60″ x 100′	ONE ROLL
348-6872	72″ x 100′	ONE ROLL





Phifer Super Solar Screening

Blocks Up To 90% of The Sun's Heat

Phifer Super Solar Screening is the ultimate shading protection. Blocks up to 90% of the sun's heat with excellent outward visibility. This keeps carpets and draperies from fading and saves energy.

CHARCOAL SUPER SOLAR

STOCK NO.	Size	UNIT PKG.
348-3536	36″ x 100′	ONE ROLL
348-3548	48″ x 100′	ONE ROLL
348-3584	84″ x 100′	ONE ROLL

Bulk Screening Dispenser Rack





Tension Device Keeps Screen from Uncoiling

- Moveable Cutting Table Quickly Moves to Any Ten Rows
- Heavy Duty Counter Accurately Measures Screen as It's Pulled Off the Roll
- Take-Up Bar Neatly Rolls Up the Screening As It Goes Through the Counter

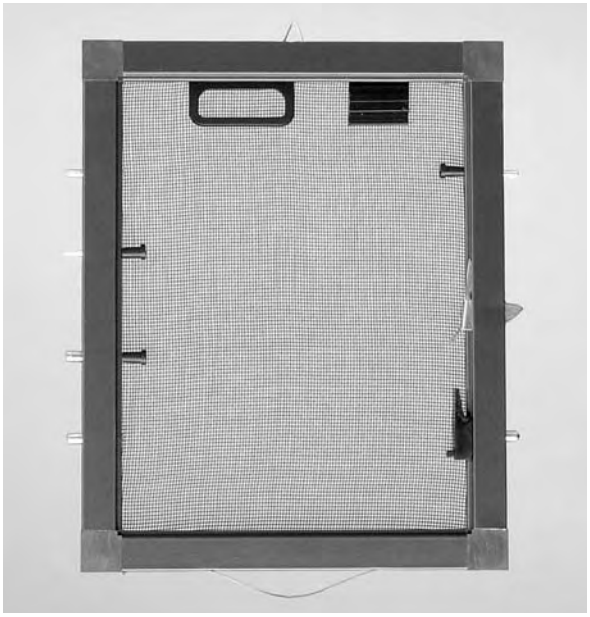
STOCK NO.	Size	UNIT PKG.
200-0721	62″W x 84″H x 27″D	ONE

Custom Window Screen Order Form

Custom Made to Order Window Screens

Custom Made in 5 Easy Steps

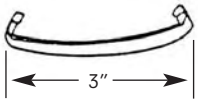
1. **Minimum Order is 10 Screens per Size, Frame Color, or Screen Material** (Orders of less than 10 screens are subject to additional handling charge)
2. **All Screens are Shipped FOB Factory**
3. **Complete the Order Form on Next Page - FAX to Your Local Warehouse**
4. **All Normal Hardware Included on Screen at No Charge**



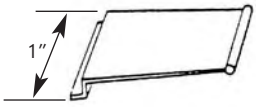
Sample screen shown with all available hardware.

Available Hardware
State Number and Location On Your Drawing

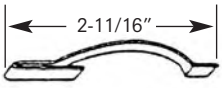
#1 Tension Spring



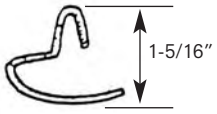
#2 Vinyl Lift



#3 Corner Leaf Spring



#4 Wire Tension Spring



#5 Butterfly Swivel Latch



#6 Bale Latch



#7 Spring Plunger Bolt



STOCK NO.	FRAME COLOR	SCREEN TYPE	U/M
SCN-0000	WHITE OR BRONZE	CHARCOAL FIBERGLASS	UNITED INCHES
SCN-0001	MILL	CHARCOAL FIBERGLASS	UNITED INCHES
SCN-0002	WHITE OR BRONZE	CHARCOAL ALUMINUM	UNITED INCHES
SCN-0003	MILL	CHARCOAL ALUMINUM	UNITED INCHES

Custom Window Screen Order Form

Enter Customer Information

Customer Number _____ _____ _____ _____ _____ _____ _____ _____ Ship to: _____ _____

Customer Name _____

Address _____

City _____

State _____ Zip _____ _____ _____ _____ _____ - _____ _____ _____ _____

PO Number/Name _____

Phone _____ _____ _____ - _____ _____ _____ - _____ _____ _____ _____

FRAME SIZE (1)	SELECT SCREEN MATERIAL AND FRAME COLOR (2)	QUANTITY	EXACT WIDTH	EXACT HEIGHT	TOTAL UNITED INCHES (3)
	☐ SCN-0000 - CHARCOAL FIBERGLASS ☐ WHITE ☐ BRONZE ☐ SCN-0001 - CHARCOAL FIBERGLASS ☐ MILL ☐ SCN-0002 - CHARCOAL ALUMINUM ☐ WHITE ☐ BRONZE ☐ SCN-0003 - CHARCOAL ALUMINUM ☐ MILL				

(1) See Somaca Screen Frame Lineals on Catalog Page 468 and Write Down Frame Dimensions - EXAMPLE: 3/4" x 1/4"
(2) FRAME COLORS: Mill, White and Bronze
(3) UNITED INCHES = One Length Plus One Width (Round Fractions Up)

YOUR DRAWING - PLEASE SPECIFY PLACEMENT AND NUMBER OF HARDWARE
(Pick Available Hardware from the Proceeding Page)

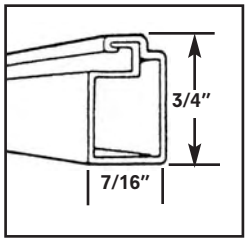
Drawing MUST Be Included with Order

TOP

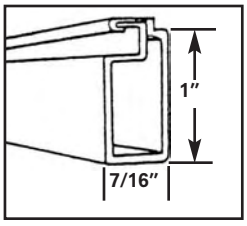
CORNER STYLE:
☐ MITER
☐ SQUARE

Window Screen Framing

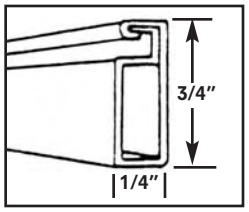
All Screen Framing Is Sold In 12' Lengths



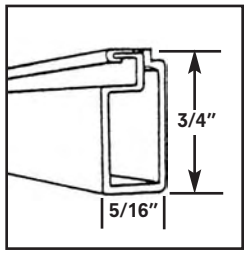
STOCK NO.	Description	Finish	Spline/Screening	Corners (100)	UNIT PKG.
347-5560	7/16" x 3/4" x .019	Mill	345-1107 Fiberglass 345-1102 Aluminum	347-5564 Metal 347-5544 Plastic No Miter	ONE LENGTH
347-5562	7/16" x 3/4" x .019	White	345-1107 Fiberglass 345-1102 Aluminum	347-5564 Metal 347-5584 Plastic No Miter	ONE LENGTH
347-5561	7/16" x 3/4" x .019	Bronze	345-1107 Fiberglass 345-1102 Aluminum	347-5564 Metal 347-5585 Plastic No Miter	ONE LENGTH



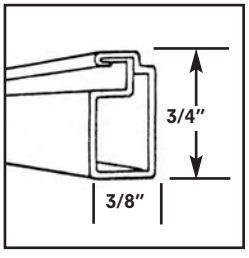
STOCK NO.	Description	Finish	Spline/Screening	Corners (100)	UNIT PKG.
347-5760	7/16" x 1" x .024	Mill	345-1107 Fiberglass 345-1102 Aluminum	347-5764 Metal 347-5434 Plastic No Miter	ONE LENGTH
347-5762	7/16" x 1" x .024	White	345-1107 Fiberglass 345-1102 Aluminum	347-5764 Metal 347-5436Plastic No Miter	ONE LENGTH
347-5761	7/16" x 1" x .024	Bronze	345-1107 Fiberglass 345-1102 Aluminum	347-5764 Metal 347-5435 Plastic No Miter	ONE LENGTH



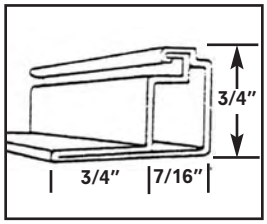
STOCK NO.	Description	Finish	Spline/Screening	Corners (100)	UNIT PKG.
347-5663	1/4" x 3/4" x .019	Mill	345-1107 Fiberglass 345-1102 Aluminum	347-5664 Metal	ONE LENGTH
347-5662	1/4" x 3/4" x .019	White	345-1107 Fiberglass 345-1102 Aluminum	347-5664 Metal	ONE LENGTH
347-5661	1/4" x 3/4" x .019	Bronze	345-1107 Fiberglass 345-1102 Aluminum	347-5664 Metal	ONE LENGTH



STOCK NO.	Description	Finish	Spline/Screening	Corners (100)	UNIT PKG.
347-5360	5/16" x 3/4" x .019	Mill	345-1107 Fiberglass 345-1102 Aluminum	347-5364 Metal 347-5344 Plastic No Miter	ONE LENGTH
347-5363	5/16" x 3/4" x .019	White	345-1107 Fiberglass 345-1102 Aluminum	347-5364 Metal 347-5384 Plastic No Miter	ONE LENGTH
347-5361	5/16" x 3/4" x .019	Bronze	345-1107 Fiberglass 345-1102 Aluminum	347-5364 Metal 347-5394 Plastic No Miter	ONE LENGTH



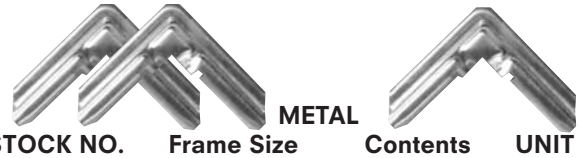
STOCK NO.	Description	Finish	Spline/Screening	Corners (100)	UNIT PKG.
347-5460	3/8" x 3/4" x .019	Mill	345-1107 Fiberglass 345-1102 Aluminum	347-5464 Metal 347-5444 Plastic No Miter	ONE LENGTH
347-5462	3/8" x 3/4" x .019	White	345-1107 Fiberglass 345-1102 Aluminum	347-5464 Metal 347-5484 Plastic No Miter	ONE LENGTH
347-5461	3/8" x 3/4" x .019	Bronze	345-1107 Fiberglass 345-1102 Aluminum	347-5464 Metal 347-5494 Plastic No Miter	ONE LENGTH



STOCK NO.	Description	Finish	Spline/Screening	Corners (100)	UNIT PKG.
347-5863	7/16" x 3/4" x .019	Mill	345-1107 Fiberglass 345-1102 Aluminum	347-5564 Metal 347-5544 Plastic	ONE LENGTH
347-5862	7/16" x 3/4" x .019	White	345-1107 Fiberglass 345-1102 Aluminum	347-5564 Metal 347-5584 Plastic	ONE LENGTH
347-5861	7/16" x 3/4" x .019	Bronze	345-1107 Fiberglass 345-1102 Aluminum	347-5564 Metal 347-5585 Plastic	ONE LENGTH

Aluminum Screen Framing/Clips/Corners

Screen Frame Corner Locks



METAL

STOCK NO.	Frame Size	Contents	UNIT PKG.
347-5564	7/16″ x 3/4″	100	ONE BOX
347-5565	7/16″ x 3/4″	1000	ONE BOX
347-5764	7/16″ x 1″	100	ONE BOX
347-5765	7/16″ x 1″	1000	ONE BOX
347-5664	1/4″ x 3/4″	100	ONE BOX
347-5665	1/4″ x 3/4″	1000	ONE BOX
347-5364	5/16″ x 3/4″	100	ONE BOX
347-5365	5/16″ x 3/4″	1000	ONE BOX
347-5464	3/8″ x 3/4″	100	ONE BOX
347-5465	3/8″ x 3/4″	1000	ONE BOX
347-5864	3/4″ STANDOFF	100	ONE BOX

Plastic No Miter Corners

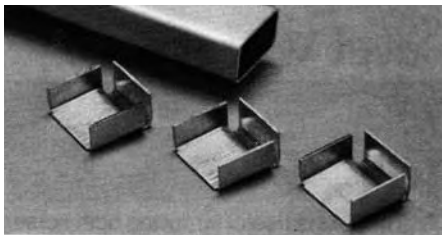


Outside Plastic

UNIT PKG: ONE BOX of 100

STOCK NO.	Color	Frame Size	UNIT PKG.
347-5544	Gray	7/16″ x 3/4″	ONE BOX
347-5584	White	7/16″ x 3/4″	ONE BOX
347-5585	Bronze	7/16″ x 3/4″	ONE BOX
347-5434	Gray	7/16″ x 1″	ONE BOX
347-5436	White	7/16″ x 1″	ONE BOX
347-5435	Bronze	7/16″ x 1″	ONE BOX
347-5344	Gray	5/16″ x 3/4″	ONE BOX
347-5384	White	5/16″ x 3/4″	ONE BOX
347-5394	Bronze	5/16″ x 3/4″	ONE BOX
347-5444	Gray	3/8″ x 3/4″	ONE BOX
347-5484	White	3/8″ x 3/4″	ONE BOX
347-5494	Bronze	3/8″ x 3/4″	ONE BOX

Mullion Supports and Clips



This box-style spreader and support bar adds rigidity and strength to large size screens normally installed in the middle of the longest side. 5/8″ x 5/16″ and .025″ thick.

LENGTH: 12′

STOCK NO.	Color	UNIT PKG.
347-5062	Mill	ONE LENGTH
347-5063	Bronze	ONE LENGTH
347-5064	White	ONE LENGTH

STOCK NO.	Color	Contents	UNIT PKG.
347-5016	Mill	100	ONE BOX

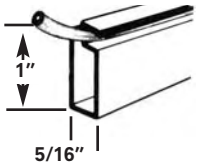
Heavy Screen Framing



Use WINDO Corner Lock 347-5037

Heavy Screen Framing 5/16″ x 1″ Frame

Mill Finish



Use Spline 345-1103 for Aluminum Screen. 345-1104 for Fiberglass. Spline groove is .160″.

STOCK NO.	Finish	Stock	Size	Length	UNIT PKG.
347-5259	Mill	.032	5/16″ x 1″	12′	ONE LENGTH

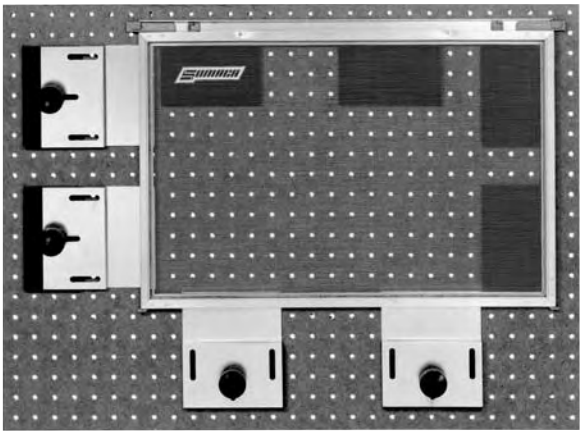
For 5/16″ x 1″ Screen

Heavy



STOCK NO.	Type	Frame Size	Contents	UNIT PKG.
347-5037	Heavy	5/16″ x 1″	100	ONE BOX

Adjustable Window Screen Jig



Illustrated above is the jig mounted on a pegwood panel. The pegboard is not included with the jig set.

Quickly Fabricate Any Size Screen!

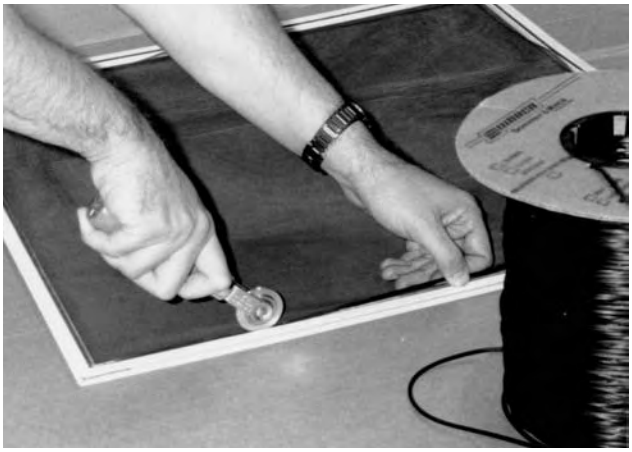
You can make any size screen - even screen doors - with this jig set. Kit contains 4 stationary plates and 4 adjustable plates, which are mounted onto a pegboard.
The adjustable plates allow you to tighten the frame as needed, or can be moved for different size screens. The black stationary plates are set at a right angle to provide rigidity to the screen frame and prevent it from bowing.
To make larger screens or doors, order several kits as you'll need extra plates for added rigidity.

STOCK NO.	Description	UNIT PKG.
230-4720	Screen Jig (4 plates, 4 ad. jigs)	ONE KIT

Vinyl Window Screen Spline

Gray & Black Vinyl Hollow Core Serrated Screen Spline

For the Re-Screening and Manufacturing of Window and Door Screens



1/8" Diameter (.1250)



100 FOOT ROLLS

STOCK NO.	Color	Diameter	UNIT PKG.
345-1101	Gray	1/8"	ONE ROLL
345-1401	Black	1/8"	ONE ROLL

1000 FOOT ROLLS

STOCK NO.	Color	Diameter	Wt. Per Roll	UNIT PKG.
345-1301	Gray	1/8"	5.3 lbs.	ONE ROLL
345-1501	Black	1/8"	5.3 lbs.	ONE ROLL

9/64" Diameter (.1406)



Best Seller

100 FOOT ROLLS

STOCK NO.	Color	Diameter	UNIT PKG.
345-1102	Gray	9/64"	ONE ROLL
345-1402	Black	9/64"	ONE ROLL

1000 FOOT ROLLS

STOCK NO.	Color	Diameter	Wt. Per Roll	UNIT PKG.
345-1302	Gray	9/64"	6.8 lbs.	ONE ROLL
345-1502	Black	9/64"	6.8 lbs.	ONE ROLL

.145 Diameter (.1450)



100 FOOT ROLLS

STOCK NO.	Color	Diameter	UNIT PKG.
345-1107	Gray	.145	ONE ROLL
345-1407	Black	.145	ONE ROLL

1000 FOOT ROLLS

345-1306	Gray	.145	ONE ROLL
345-1507	Black	.145	ONE ROLL

5/32" Diameter (.1562)



Best Seller

100 FOOT ROLLS

STOCK NO.	Color	Diameter	UNIT PKG.
345-1103	Gray	5/32"	ONE ROLL
345-1403	Black	5/32"	ONE ROLL

1000 FOOT ROLLS

STOCK NO.	Color	Diameter	Wt. Per Roll	UNIT PKG.
345-1303	Gray	5/32"	8.5 lbs.	ONE ROLL
345-1503	Black	5/32"	8.5 lbs.	ONE ROLL

3/16" Diameter (.1875)



100 FOOT ROLLS

STOCK NO.	Color	Diameter	UNIT PKG.
345-1104	Gray	3/16"	ONE ROLL
345-1404	Black	3/16"	ONE ROLL

1000 FOOT ROLLS

STOCK NO.	Color	Diameter	Wt. Per Roll	UNIT PKG.
345-1304	Gray	3/16"	12.5 lbs.	ONE ROLL
345-1504	Black	3/16"	12.5 lbs.	ONE ROLL

15/64" Diameter (.2343)



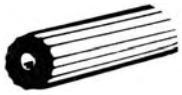
100 FOOT ROLLS

STOCK NO.	Color	Diameter	UNIT PKG.
345-1105	Gray	15/64"	ONE ROLL
345-1405	Black	15/64"	ONE ROLL

1000 FOOT ROLLS

STOCK NO.	Color	Diameter	Wt. Per Roll	UNIT PKG.
345-1305	Gray	15/64"	20.9 lbs.	ONE ROLL
345-1505	Black	15/64"	20.9 lbs.	ONE ROLL

1/4" Diameter (.2500)



100 FOOT ROLLS

STOCK NO.	Color	Diameter	UNIT PKG.
345-1406	Black	1/4"	ONE ROLL

1000 FOOT ROLLS

STOCK NO.	Color	Diameter	Wt. Per Roll	UNIT PKG.
345-1506	Black	1/4"	23.8 lbs.	ONE ROLL

Gray Vinyl Solid Core Non-Serrated Screen Spline



9/64" Diameter (.1406)



5/32" Diameter (.1562)

1000 FOOT ROLLS

STOCK NO.	Color	Diameter	Wt. Per Roll	UNIT PKG.
345-2301	Gray	9/64"	7.5 lbs.	ONE ROLL
345-2302	Gray	5/32"	9.3 lbs.	ONE ROLL

Screen and Spline Roller Tools

Professional Single Nylon Wheel Roller Tool

Concave Nylon Wheel – Ball Bearing Wood Handle



MR12000 2" Dia.

STOCK NO.	Concave Edge	UNIT PKG.
230-4452	3/32" x 2" dia.	ONE

Professional Double Nylon Wheel Roller Tools

Nylon Wheels – Ball Bearings Wood Handle



2" Dia. MR12120 2" Dia.

STOCK NO.	Round Edge	Concave Edge	UNIT PKG.
230-4451	3/32" x 2"	1/8" x 2"	ONE

Nylon Wheels – Ball Bearings Wood Handle



2-1/2" Dia. MR12155 2" Dia.

STOCK NO.	Round Edge	Concave Edge	UNIT PKG.
230-4450	1/16" x 2-1/2"	3/32" x 2"	ONE

Economy Double Nylon Wheel Roller Tool

Nylon Wheels Wood Handle



2-1/2" Dia. MR185003 2" Dia.

STOCK NO.	Round Edge	Concave Edge	UNIT PKG.
230-4455	1/16" x 2-1/2"	3/32" x 2"	ONE

"Long John" Vinyl Glazing Roller Tool

Nylon Wheel – Aluminum Handle

☆ BIG SELLER ☆



1-1/2" Dia.

The "Long John" vinyl roller is the most widely used vinyl roller tool on the market. It makes an easy job of installing storm window spline and compression gaskets. Tool has free rolling nylon roller and aluminum die cast, pointed end handle, for pushing vinyl into tight corners. There are grooved finger slots in handle for a secure grip.

STOCK NO.	Wheel	Wheel Width	Length	UNIT PKG.
230-4441	1-1/2"	3/8"	11"	ONE

Flat Roller Tool

Metal Wheel – Wood Handle



2" Dia. MR02040

The 2" wide by 2" diameter steel ball bearing roller is riveted to a steel yoke and mounted to a contour grip, offset wood handle. It's used to smooth out glazing vinyl or screen prior to final spline insertion.

STOCK NO.	Wheel Size	UNIT PKG.
230-4440	2" x 2"	ONE

STANLEY® Utility Trim Knife

Swivel Handle for Quick Blade Change



Press the button on the handle and the knife opens for swift blade change. The perfect tool for cutting spline, screen and fabrics. The durable die cast aluminum body is designed for comfort and control. Heavy duty blades are furnished and stored in handle.

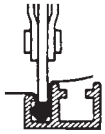
STOCK NO.	Description	Finish	UNIT PKG.
210-4295	Knife with Blades	Gray Enamel	ONE
210-4910	100 Blade Dispenser Pack		ONE

Screen and Spline Roller Tools

EVERHARD Single Steel Wheel, Heavy Duty Roller Tools For Assembling Screens and Storm Sash

• Professional Quality • Enclosed Ball Bearings • Steel Wheels • Wood Handles

Concave Edge
Spline Roller Tools

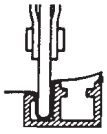




Concave edge rolls spline into frame after wire has been rolled into slot

STOCK NO.	Spline Size	Thickness	Dia.	Part No.	UNIT PKG.
230-4701	1/8"	3/32"	1-1/2"	MR07260	ONE
230-4702	5/32"	1/8"	1-1/2"	MR07270	ONE
230-4706	1/8"	3/32"	2"	MR07300	ONE

Round Edge
Screen Wire Roller Tools





Convex edge rolls screen wire into frame slot.

STOCK NO.	Thickness	Diameter	Part No.	UNIT PKG.
230-4751	1/16"	2"	MR08500	ONE
230-4755	1/16"	2-1/2"	MR08510	ONE
230-4756	3/32"	2-1/2"	MR08520	ONE
230-4757	1/8"	2-1/2"	MR08530	ONE

Step Edge Tool
For Inserting Screen and Spline



MR11500



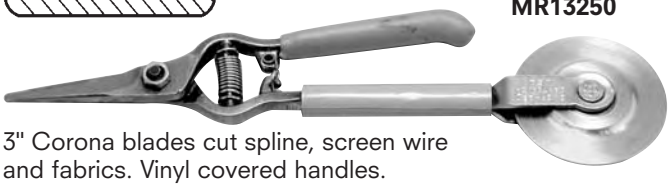
Flanged face for easy forcing of spline or screen into grooves

STOCK NO.	Flange	Flat Step	Dia.	UNIT PKG.
230-4753	1/16"	1/2"	2"	ONE

Roller – Shear Tool
For Cutting and Inserting Screen



MR13250



3" Corona blades cut spline, screen wire and fabrics. Vinyl covered handles.

STOCK NO.	Round Edge	UNIT PKG.
230-4105	1/16 x 2-1/2" dia.	ONE

Double Steel Wheel Roller Tools
Combination Screen Wire and Spline Rollers

Professional Quality
Steel Wheels – Ball Bearings
Wood Handles





2-1/2" Dia. **MR13292** **2" Dia.**

STOCK NO.	Round Edge	Concave Edge	UNIT PKG.
230-4108	1/16 x 2-1/2" dia.	5/32 x 2" dia.	ONE



2-1/2" Dia. **MR13291** **1-1/2" Dia.**

STOCK NO.	Round Edge	Concave Edge	UNIT PKG.
230-4103	1/16 x 2-1/2" dia.	5/32 x 1-1/2" dia.	ONE

Super Economy
Steel Wheels – Wood Handle





1-3/16" Dia. **1-3/16" Dia.**

A good imported roller tool at a low price.

STOCK NO.	Round Edge	Concave Edge	UNIT PKG.
230-4462	1/16 x 1-3/16" dia.	1/16 x 1-3/16" dia.	ONE

Steel Wheels – Aluminum Handle
Pistol Grip





1-1/4" Dia. **1-1/4" Dia.**

STOCK NO.	Round Edge	Concave Edge	UNIT PKG.
230-4665	1/16 x 1-1/4" dia.	1/16 x 1-1/4" dia.	ONE

Utility Knives and Blades

Somaca Utility Knife



Heavy Duty - Fixed Blade - Positive Blade Retention

Modeled after the old standby knife, Somaca's knife features a heavy duty die-cast aluminum handle with a fixed blade. Use Somaca blade 210-4910, or Stanley blade 210-4912.

STOCK NO.	Description	Finish	UNIT PKG.
210-0799	Tool with Blades	Aluminum	ONE KNIFE

STANLEY® Utility Knives



199™ Heavy Duty - Fixed Blade

This old standby knife has a heavy duty, die-cast aluminum handle, which provides blade storage and also has a handy hang hole. Knife furnished with blades. Use Somaca blade 210-4910, or Stanley blade 210-4912.

STOCK NO.	Description	Finish	UNIT PKG.
210-4199	Tool with Blades	Aluminum	ONE KNIFE



299™ Medium Duty - Fixed Blade

Unique design permits the blade to be held in two positions - full and one quarter. Lightweight handle is in two sections; provides blade storage. Individually carded and furnished with blades. Use Somaca blade 210-4910, or blade 210-4912.

STOCK NO.	Description	Finish	UNIT PKG.
210-4299	Tool with Blades	Gray Enamel	ONE KNIFE

Razor Trim Knife



Light Duty - Fixed Blade

This knife cuts, slices and trims quickly and easily - a standard tool for the wallpaper and graphic trades. Easy to hold wooden handle with heavy, seamless ferrule. Complete with blade. Use Somaca blade No. 210-4515.

STOCK NO.	Description	UNIT PKG.
210-4232	Tool with Blade	ONE KNIFE

Somaca Utility Knife



Medium Duty - Retractable Blade - Positive Blade Retention

Button projects and retracts blade to three positions - full, half, and one quarter. Two-piece piece lightweight die-cast handle provides blade storage. Knife comes with heavy duty blades. Use Somaca knife blade 210-4910, or blade 210-4912.

STOCK NO.	Description	Finish	UNIT PKG.
210-4115	Tool with Blades	Charcoal	ONE KNIFE

STANLEY® Utility Knives



99™ Medium Duty - Retractable Blade

Button projects and retracts blade to three positions: full, half, and one quarter. Lightweight die-cast handle in two sections provides blade storage. Comes with heavy duty blades. Individually carded. Use Somaca blade 210-4910, or 210-4912.

STOCK NO.	Description	Finish	UNIT PKG.
210-4110	Tool with Blades	Gray Enamel	ONE KNIFE

Best Seller



399™ Medium Duty - Swivel Lock Handle

Forget about looking for the screwdriver to change blades. Push the button, and Stanley's knife opens up. Three replacement blades are stored in the handle. Handle features comfort contour design for easy cutting. Rugged, die-cast aluminum body. Use Somaca blade 210-4910, or blade 210-4912.

STOCK NO.	Description	Finish	UNIT PKG.
210-4295	Tool with Blades	Gray Enamel	ONE KNIFE

Single Edge Industrial Blades



STOCK NO.	Contents	UNIT PKG.
210-4502	100 Blades	ONE BOX
210-4503	1000 Blades	ONE PKG.
210-4517	5000 Blades	ONE CTN.

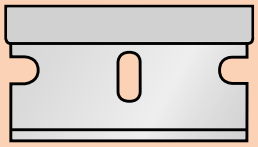
Utility Knife Blade Dispensers



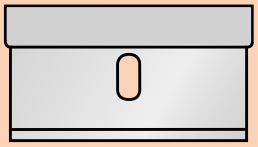
STOCK NO.	Description	Contents	UNIT PKG.
210-4902	Stanley 5-Pack	5 Blades	ONE CARD
210-4912	Stanley Dispenser	100 Blades	ONE
210-4910	Somaca Dispenser	100 Blades	ONE
210-4911	20 Somaca Dispensers	2000 Blades	ONE

Glass Cleaning Accessories

Industrial Duty Single Edge Blades



NOTCHED SIDE
210-4502



STRAIGHT SIDE
210-4515



The notched side blades are steel shanked, heavy duty industrial blades, made specifically for the glass, maintenance and decorating trades. The straight side blades are made for heavy duty scraping and cutting. Both blades are carefully ground for exceptional results.

STANDARD BOX

STOCK NO.	Description	Contents	UNIT PKG.
210-4502	Notched Side	100	ONE BOX
210-4515	Straight Side	100	ONE BOX

JOBBERS CARTON

STOCK NO.	Description	Contents	UNIT PKG.
210-4503	Notched Side	1000	ONE PKG.
210-4513	Straight Side	1000	ONE PKG.

JUMBO CARTON

STOCK NO.	Description	Contents	UNIT PKG.
210-4517	Notched Side	5000	ONE CTN.
210-4516	Straight Side	5000	ONE CTN.

Plastic Razor Blade

Won't Harm Plastic Coated Windows

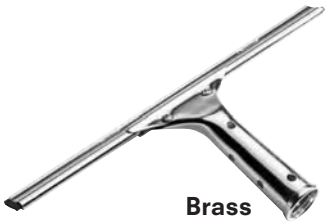


Plastic razor blades can be used on any finish where scratching by a metal blade is a problem. They will not scratch the "inner shield" plastic layer of windshields. Blades fit standard utility scraper. Excellent for removing decals and stickers.

STOCK NO.	Description	UNIT PKG.
210-4507	25 Plastic Blades	ONE BOX

Master Series Squeegees

- Rubber Blade

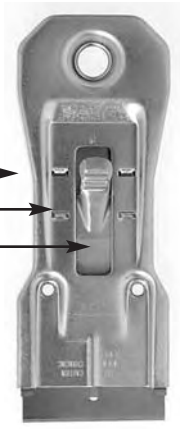




The solid brass frame is built to precision tolerances, with perfect balance and weight.
The annealed stainless steel frame has the advantage of lightness, strength and corrosion resistance. It has a soft rubber handle. See page 185 for replacement channels and rubber, and replacement handles.

STOCK NO.	Description	Size	UNIT PKG.
213-2523	Solid Brass	14″	ONE
213-2524	Solid Brass	18″	ONE
213-2525	Stainless Steel	14″	ONE
213-2526	Stainless Steel	18″	ONE

Razor Blade Scraper with Safety Locks



Great for all-around use - removing paint, glue and window stickers. Three positive locks for safe handling. Extra long handle helps keep fingers away from the blade.

STOCK NO.	Description	UNIT PKG.
210-4123	Safety Lock Scraper	ONE SCRAPER

Heavy Duty Glass Scraper

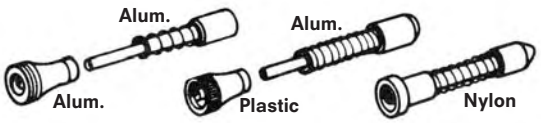


This tool removes paint, glue, tape residue and stickers from glass. Push button control positively locks single edge blades in a scraping position or retracts into steel handle. Handle is longer than similar scrapers, thereby keeping fingers away from the blade. Use Somaca blade 210-4515.

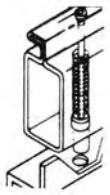
STOCK NO.	Description	UNIT PKG.
210-4122	Aluminum Scraper	ONE SCRAPER
210-4515	100 Straight Side Blades	ONE BOX

Window Screen Hardware

Plunger Bolts



346-3007 346-3009 346-3005



Rivet Style Fastener For 5/8" Screen Frames - Aluminum

STOCK NO.	Material	Frame Use	Contents	UNIT PKG.
346-3007	Aluminum	5/8"	100	ONE BAG
346-3010	Aluminum	5/8"	4	ONE PKG.

Snap Head Fastener For 3/4" Screen Frames - Aluminum

STOCK NO.	Material	Frame Use	Contents	UNIT PKG.
346-3009	Aluminum	3/4"	100	ONE BAG
346-3012	Aluminum	3/4"	4	ONE PKG.

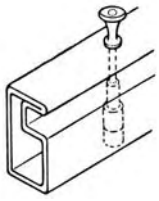
Snap Head Fastener For 3/4" Screen Frames - Nylon

STOCK NO.	Material	Frame Use	Contents	UNIT PKG.
346-3005	Nylon	3/4"	100	ONE BAG
346-3013	Nylon	3/4"	4	ONE PKG.

Two Step Drill

For Installing Plunger Bolts in Metal Screen Frames

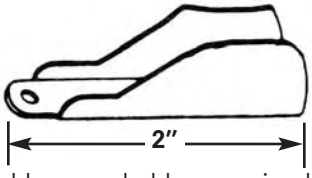




This drill provides proper hole size for aluminum and nylon plunger latches in frames. It is used when it is advisable to form, in one operation, a hole of two or more diameters, or a hole with a chamfer. 1/8" tip with 7/32" body diameter.

STOCK NO.	Description	UNIT PKG.
212-1364	Step Drill	ONE DRILL

Friction Side Hanger

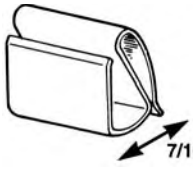




Metal hangers hold screen in place at top of window jamb, allowing screen to swivel. For 3/8" and 7/16" wide frames.

STOCK NO.	Channel Opening	Contents	UNIT PKG.
345-4078	3/8"	20	ONE BAG
345-4088	7/16"	20	ONE BAG

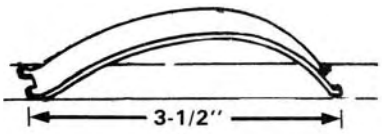
Vinyl Slip-On Screen Retainer Clip



This gray vinyl clip slides over 7/16" or 3/8" screen frames to hold them in aluminum window frames.

STOCK NO.	Size	Contents	UNIT PKG.
345-4087	7/16" x 1"	100	ONE BAG

Flat Screen Tension Spring



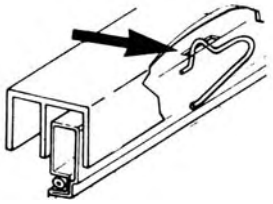


Springs keep screens securely in window channel. To install, drill two 3/16" holes.

STOCK NO.	Length	Contents	UNIT PKG.
345-4090	3-1/2"	100	ONE BOX

Wire Screen Tension Spring

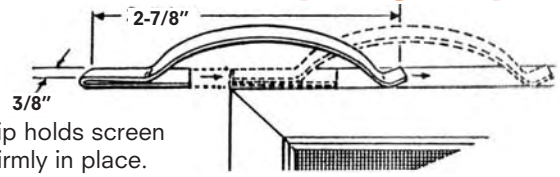




Spring produces strong tension to keep screens securely in frame.

STOCK NO.	Length	Contents	UNIT PKG.
345-4091	1"	100	ONE BOX

Slip-In Tension Spring Clip



Clip holds screen firmly in place.

STOCK NO.	Length	Contents	UNIT PKG.
345-1037	2-7/8"	100	ONE BAG

Screen Frame Punch

Punches Holes for Flat Tension Springs!



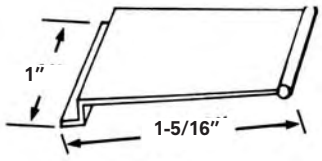
3" on center spacing

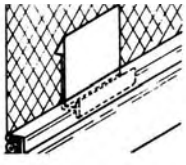


Punch both holes for the springs in one operation. No drilling or measuring. Just squeeze to frame. Works on 5/16" and 3/8" screen frames.

STOCK NO.	Description	UNIT PKG.
211-3700	Screen Frame Punch	ONE PUNCH

White Nylon Screen Lift Tab



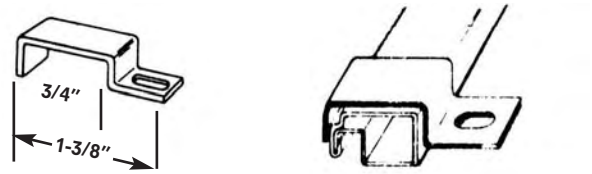


This lift allows removal of screens from window channels. It will not interfere with window opening or closing.

STOCK NO.	Width	Contents	UNIT PKG.
345-4070	1"	100	ONE BOX

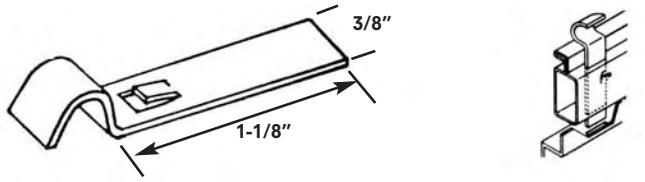
Screen and Storm Window Hardware

Aluminum Stretcher Clip



STOCK NO.	Channel Length	Contents	UNIT PKG.
346-1612	3/4"	50	ONE BOX

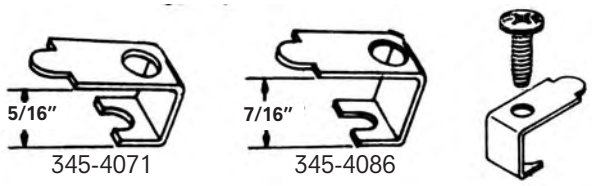
Aluminum Slide Lock



This lock secures and holds screens inserted in notched aluminum window channels.

STOCK NO.	Description	Contents	UNIT PKG.
346-3002	For 7/16" Frame	100	ONE BAG

Aluminum Casement Clips and Screws



345-4071 345-4086

These aluminum casement clips are used when installing storm windows and screens with 3/8" wide frames. Bulk package consists of 100 clips and BH Phillips 10-24 x 5/8" screws, Stock No. 113-5564.

STOCK NO.	Channel Opening	Contents	UNIT PKG.
345-4071	5/16"	100	ONE BAG
345-4086	7/16"	100	ONE BAG

CASEMENT CLIP SCREWS

STOCK NO.	Head	Size	Contents	UNIT PKG.
113-5564	Phillips	10-24 x 5/8"	100	ONE BOX
113-5565	Phillips	10-24 x 1-1/4"	100	ONE BOX

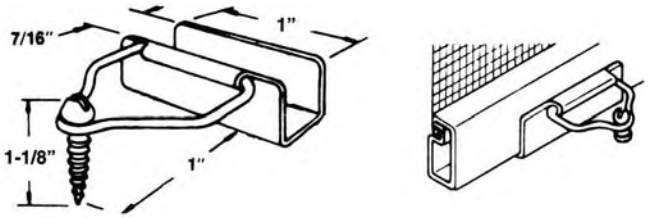
Aluminum Screen Guide



Attaches to window frame and holds screen units when they are raised and lowered.

STOCK NO.	Finish	Length	UNIT PKG.
347-5919	Mill	12 ft.	ONE LENGTH

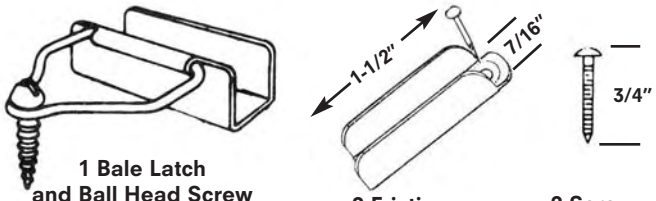
Slip-On Bale Screen Latch



A mill finished metal latch assembly used to hold bottom leg of screen frame in window frame or sill. Assembly consists of latch and ball head slotted screw.

STOCK NO.	Channel Opening	Contents	UNIT PKG.
346-3025	7/16"	20	ONE BAG

Slip-On Bale Screen Latch Set



1 Bale Latch and Ball Head Screw 346-3025

2 Friction Side Hangers

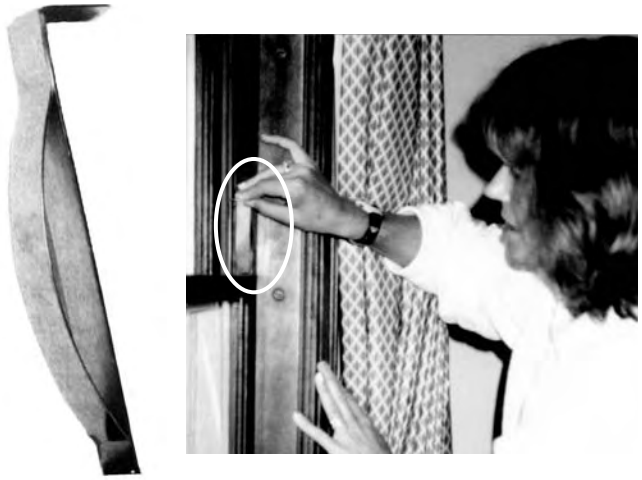
2 Screw Nails

20 complete packages of components needed to secure 20 window screens. Friction swivel hanger supports top of frame, bale latch secures bottom. Each set contains: 1 pair of friction hangers with two nails and one bale latch with 3/4" screw.

STOCK NO.	Description	Contents	UNIT PKG.
346-3030	Screen Latch Set	20	ONE BAG

Window Sash Springs

Replaces Broken Sash Cords



There is no need to call a carpenter or remove sash from the frame when sash cords break or windows rattle. Merely insert spring between the window frame and sash and nail in place. Once installed, the spring will hold window in position.

STOCK NO.	Description	Contents	UNIT PKG.
338-7750	Window Springs	12	ONE BAG

Storm Window and Screen Door Clips

Window Screen Clips

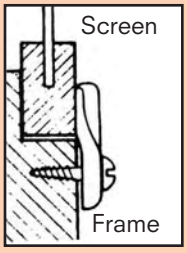
White Nylon Insert Clips



346-3031



346-3032



Shallow Wing

These clips hold glass and screen panels in frame. Use No. 6 sheet metal screws for securing.

STOCK NO.	Wing	Base	Contents	UNIT PKG.
346-3031	3/16″	Tapered	100	ONE BOX
346-3032	1/8″	Flush	100	ONE BOX

White Nylon Insert Clips



346-1420



346-1408

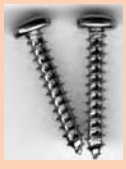
High Wing

These nylon clips are used to secure screen panels. Use No. 10 sheet metal screws. Each box contains 50 clips.

STOCK NO.	Wing	Base	Contents	UNIT PKG.
346-1420	3/8″	Flush	50	ONE BOX
346-1408	3/8″	3/32″	50	ONE BOX

Gray Nylon Insert Clip With Screws





High Wing

Set contains 20 high wing clips and 20 mounting screws.

STOCK NO.	Wing	Base	Contents	UNIT PKG.
347-1717	5/32″	7/16″	20 Sets	ONE BOX

White Nylon Insert Self-Locking Clip With Knurled Thumb Screws



This clip is used to secure glass and screen panels. A knurled thumb screw is included for each clip.

STOCK NO.	Flange	Contents	UNIT PKG.
346-1415	1/2″	50	ONE BOX

Self-Locking Storm Door Panel Clips

With Knurled Thumb Screws

346-3036



346-3045



346-3044



346-3046



These aluminum clips are used to secure screen and window panels to aluminum door framing. They eliminate hole drilling and the use of rivets. Furnished with knurled thumb screws, Stock No. 346-1632.

STOCK NO.	Finish	Contents	UNIT PKG.
346-3036	Aluminum	100	ONE BOX
346-3044	Aluminum	100	ONE BOX
346-3045	Aluminum	100	ONE BOX
346-3046	Aluminum	100	ONE BOX

Self-Locking Clip Knurled Thumb Screws





STOCK NO.	Size	Contents	UNIT PKG.
346-1630	8-32 x 9/16″	100	ONE BOX
346-1632	5-32 x 5/16″	100	ONE BOX

White Nylon Double Screen Turn Button

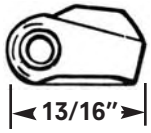


Flush Base

These turn buttons are used to hold double windows in place.

STOCK NO.	Contents	UNIT PKG.
346-1405	50	ONE BOX

Swivel Screen Fastener



Flush Base

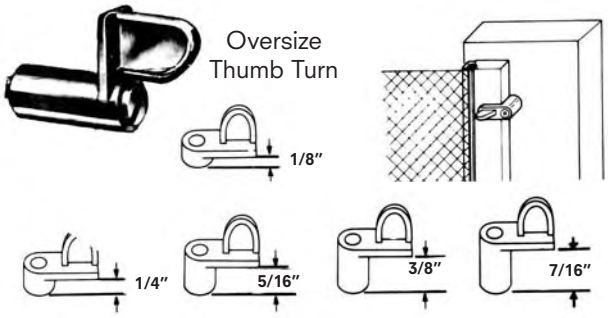
These flared wing aluminum fasteners lock window and screen panels to door frames. Countersink 3/16″ dia. hole.

STOCK NO.	Length	Hole	Contents	UNIT PKG.
345-4051	13/16″	3/16″	100	ONE BOX

Storm Window and Screen Door Clips

Screen and Storm Window Sash Clips

• Die-Cast Swivel Clips • Stronger than Nylon



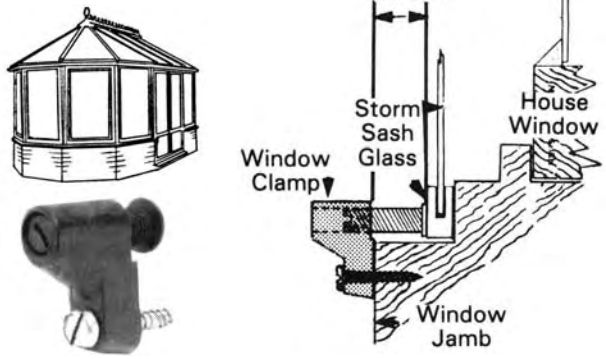
These strong, die-cast swivel clips hold frames in place. They will not corrode or rust. Screws are not furnished. Use screw size No.'s 6 or 8. Hole diameter is 3/16".

Finish: Pewter. 50 per Box. 3/16" Hole Dia.

STOCK NO.	Shank	UNIT PKG.
345-4045	Flush	ONE BOX
345-4046	1/8"	ONE BOX
345-4047	1/4"	ONE BOX
345-4048	5/16" (Best Seller)	ONE BOX
345-4049	3/8"	ONE BOX
345-4050	7/16"	ONE BOX

Nylon Storm Window Clamps

White and Bronze Finishes



Clamps speed storm window or screen installation. Up to 3/4" adjustment. Using a screwdriver, insert plastic screw into threaded hole at bottom of clamp. Secure to window jamb with metal screw. Swing clamp onto window jamb, place sash or screen in position. Swing clamp back over sash and snug down plastic screw.

Set contains: 4 plastic bases, 4 threaded screws, 4 No. 8 x 1" pan head sheet metal screws. **Bulk Pack contains:** 50 sets.

DISPLAY PACKAGED

STOCK NO.	Finish	Contents	UNIT PKG.
346-1635	White	4	ONE SET
346-1637	Bronze	4	ONE SET

BULK PACKAGED

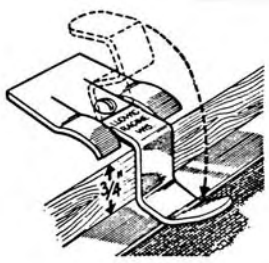
STOCK NO.	Finish	Contents	UNIT PKG.
346-1645	White	50 Sets	ONE BAG
346-1647	Bronze	50 Sets	ONE BAG

Ludwig Snap Fasteners

For Holding Wood or Aluminum Storm Windows and Screens



Regular Fastener
No. 338-4557



3/4" Deep Fit Fastener For Thin Aluminum Screens & Storms
No. 338-4558

Strong spring tension holds screens and storm windows firmly in place. Saves wear and tear on painted surfaces, too. Stops rattling and seals windows against drafts, thereby reducing energy costs. Fasteners can also be used for other holding applications. Made of hardened spring steel and rust proofed. Screws are furnished. Color: silver.

Contents: 144 Fasteners

STOCK NO.	Application	UNIT PKG.
338-4557	Wood Screens and Storms	ONE BOX
338-4558	Aluminum Screens and Storms	ONE BOX

Aluminum Offset Door Window Panel Clips



346-1607

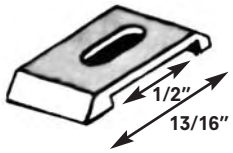


346-1608

These offset panel clips hold windows in frames. Furnished without screws.

STOCK NO.	Offset	Channel	Contents	Lgth.	UNIT PKG.
346-1607	1/4"	11/16"	100	1-1/8"	ONE BOX
346-1608	3/8"	5/8"	100	1"	ONE BOX

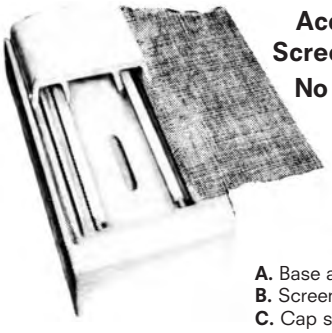
Aluminum Flush Door Window Panel Clip



These panel clips have flush bases, no offset. Holds aluminum frame in window structure. Furnished without screws.

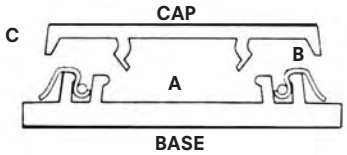
STOCK NO.	Channel	Contents	Lgth.	UNIT PKG.
346-1605	1/2"	100	13/16"	ONE BOX

Screen-Tight™ Porch Screening System



Accepts Standard Fiberglass Screen Wire and Serrated Spline

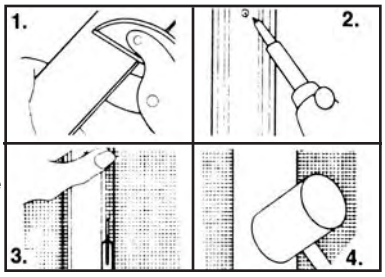
No Mitering or Screen Corners!



A. Base attaches to 2 x 4 or 4 x 4 wooden frame.
B. Screen and spline rolls into the spline groove.
C. Cap snaps onto base.

White, Beige and Brown Finishes

Four Easy Installation Steps:
1. Base component is easily cut to fit with trimming snips.
2. Attach base to existing wood frame with screws or roofing tacks.
3. Secure screen to base with screen spline by rolling spline into groove.
4. Trim excess screen and snap cap into base.



System was designed with the home builder in mind. The Screen-Tight screen is rolled into place similarly to normal screen fabrication methods. The external cap snaps into the base component and evenly tightens the screen. When rescreening, the cap temporarily pops off producing a quick replacement. This unique system is easily adapted to most screen porches and gazebos. Screen-Tight never needs painting and won't corrode or rust. Materials needed for installation: spline, Screen-Tight base and cap, mallet, shears, roller tool, and electric screwdriver.



96" LONG SCREEN CAP (Top)

MINIMUM ORDER 5 LENGTHS - ONE SIZE AND COLOR

STOCK NO.	Width	Length	Color	UNIT PKG.
347-1801	1-1/2"	96"	White	ONE LENGTH
347-1802	1-1/2"	96"	Brown	ONE LENGTH
347-1803	1-1/2"	96"	Beige	ONE LENGTH
STOCK NO.	**Width**	**Length**	**Color**	**UNIT PKG.**
347-3801	3-1/2"	96"	White	ONE LENGTH
347-3802	3-1/2"	96"	Brown	ONE LENGTH
347-3803	3-1/2"	96"	Beige	ONE LENGTH



(Base)

MINIMUM ORDER 5 LENGTHS - ONE SIZE AND COLOR

STOCK NO.	Width	Length	Color	UNIT PKG.
347-1818	1-1/2"	96"	Black	ONE LENGTH
347-3818	3-1/2"	96"	Black	ONE LENGTH

SCREEN SPLINE



STOCK NO.	Diameter	Length	Color	UNIT PKG.
345-0175	.175	300'	Charcoal	ONE ROLL

Pet-Resistant Insect Screening



Seven Times Stronger than Regular Insect Screening

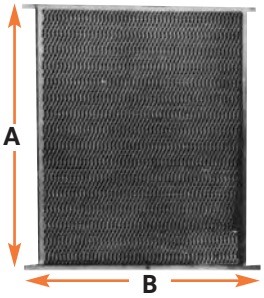
- **Resists Damage by Dogs and Cats**
- **Excellent Outward Visibility • Easy to Install**
- **Strong Vinyl-Coated Polyester**

BLACK AND GRAY VINYL/POLYESTER

STOCK NO.	Fits Doors	Finish	UNIT PKG.
348-4636	Gray	36" x 100'	ONE ROLL
348-4648	Gray	48" x 100'	ONE ROLL
348-4660	Gray	60" x 100'	ONE ROLL
348-4930	Black	30" x 100'	ONE ROLL
348-4936	Black	36" x 100'	ONE ROLL
348-4948	Black	48" x 100'	ONE ROLL
348-6010	Black	60" x 100'	ONE ROLL

Sliding Screen Door Grills

Aluminum, Bronze and White Finishes

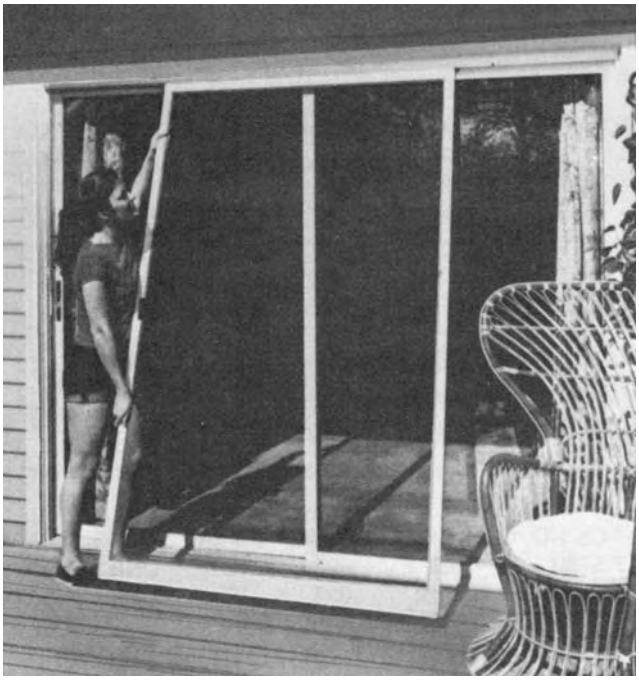


STOCK NO.	Size	Finish	UNIT PKG.
347-7501	33"A x 30"B	Aluminum	ONE GRILL
347-7502	33"A x 36"B	Aluminum	ONE GRILL
347-7503	33"A x 48"B	Aluminum	ONE GRILL
347-7508	33"A x 30"B	Bronze	ONE GRILL
347-7505	33"A x 36"B	Bronze	ONE GRILL
347-7506	33"A x 48"B	Bronze	ONE GRILL
347-7509	33"A x 30"B	White	ONE GRILL
347-7507	33"A x 36"B	White	ONE GRILL
347-7510	33"A x 48"B	White	ONE GRILL
347-7511	33"A x 54"B	White	ONE GRILL

Sliding Patio Screen Doors, K.D. Kits - 1-5/8" Frame

• Easy to Assemble and Install • All Integral Parts Furnished

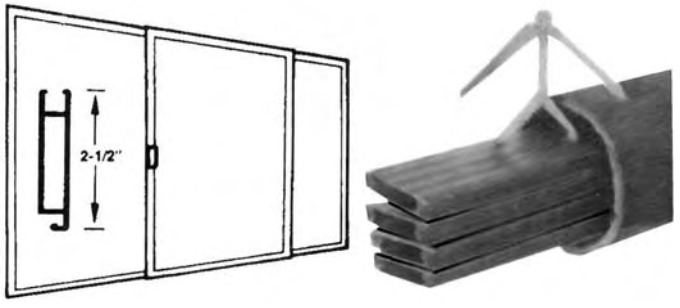
Aluminum, Bronze and White Finishes



These K.D. (knocked down) door units have the largest expansion capability in the U.S. market. Designed to fit almost any standard door opening. Easy to assemble, plus they save money on shipping costs. Every frame part needed is furnished. No time is lost trying to locate handles, rollers or assembly components. All you add is the spline and screening.
Rolled form aluminum sections are made of 1/2" x 1-5/8" stock and coated with a baked enamel. Automatic self-locking mechanism has a "no lock-out" feature and roller assemblies assure quiet and smooth operation. Pre-installed rollers and latch are made of tough nylon with self-lubricating bushings. Shipped by UPS.

STOCK NO.	Fits Doors	Finish	Contents	UNIT PKG.
347-7000	30" W x 81" H	Bronze	1 Kit	ONE DOOR
347-7004	37" W x 81" H	Bronze	1 Kit	ONE DOOR
347-7005	49" W x 81" H	Bronze	1 Kit	ONE DOOR
347-7010	30" W x 81" H	Aluminum	1 Kit	ONE DOOR
347-7001	37" W x 81" H	Aluminum	1 Kit	ONE DOOR
347-7002	49" W x 81" H	Aluminum	1 Kit	ONE DOOR
347-7008	30" W x 81" H	White	1 Kit	ONE DOOR
347-7006	37" W x 81" H	White	1 Kit	ONE DOOR
347-7007	49" W x 81" H	White	1 Kit	ONE DOOR

K.D. Sliding Screen Door Kits Heavy Duty 2-1/2" Frame



White, Bronze and Mill Finishes

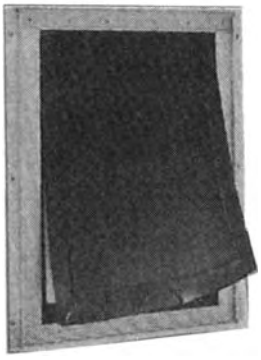
Easy to assemble and install kits. All hardware to assemble one door is included. Ideal for commercial applications. Heavy-duty frame is .065 thick. Screen retainer spline and screen wire are not furnished. **Screen Door Kit Contains:** • 2-1/2" Frames • Extruded Spur Corners • Flush Mortise Latch • Ball Bearing Spring Tension Rollers • 1-1/4" Ball Bearing Bottom Rollers • 7/8" Bug Strip with Tear Strips.

STOCK NO.	Color	Max. Width	UNIT PKG.
347-7025	White Anod.	30"	ONE KIT
347-7026	White Anod.	36"	ONE KIT
347-7027	White Anod.	48"	ONE KIT
347-7028	Bronze Anod.	36"	ONE KIT
347-7029	Bronze Anod.	48"	ONE KIT
347-7031	Mill	36"	ONE KIT
347-7033	Mill	48"	ONE KIT

Pride® Deluxe Pet Doors

For Use on Doors or Walls

Reduces Pet Damage When "Fido" Decides to Ramble!



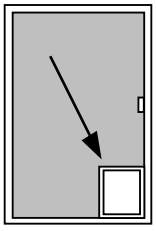
Pet doors are available in two sizes to accommodate most size pets. Doors have a flexible rubber flap with permanent magnets keeping them closed when not in use. Sturdy extruded aluminum frame with fasteners. No. 347-7050 is for medium dogs, 347-7051 for large.

NOTE: An adapter must be ordered with each door for sliding screen door installations. (See below.)

STOCK NO.	Flap Size	Overall Size	UNIT PKG.
347-7050	8-1/2" x 12-1/2"	12-3/4" x 15-1/4"	ONE DOOR
347-7051	11-1/2" x 16-7/8"	15-3/8" x 19-3/4"	ONE DOOR

Pet Door Adapters

For Sliding Screen Doors



These aluminum framed adapters are mounted in the corner of sliding screen doors to protect screens from pet damage. Installation is easy and quick. Pet door must be ordered separately. Spline and screws furnished.

STOCK NO.	Flap Size	Fits Pet Door	UNIT PKG.
347-7150	14-1/8" x 18"	347-7050	ONE ADAPTER
347-7151	17-1/8" x 22-1/16"	347-7051	ONE ADAPTER

Retractable Screen Systems and Screen Doors



Retractable Screen Systems

- **System will fit single swing, double swing, and sliding glass patio doors**
- **Versatile screen casing can be adapted to window applications**
- **Spring loaded casing retracts and hides the screen when not in use**
- **Super flexible screen material is tear resistant**
- **Screen casing, pull bar, guides, and strike are extruded aluminum. Nylon handles and hardware are provided**
- **Screen system has full brush pile for extra protection from insects**
- **Screen system can be cut to size and installed**

STOCK NO.	Color	Size	UNIT PKG.
348-3000	White	60" x 82" Single Door	ONE
348-3001	White	60" x 98" Single Door	ONE
348-3002	White	120" x 82" Double Door Conversion	ONE KIT
348-3010	Bronze	60" x 82" Single Door	ONE
348-3011	Bronze	60" x 98" Single Door	ONE
348-3012	Bronze	120" x 82" Double Door Conversion	ONE KIT
348-3020	Almond	60" x 82" Single Door	ONE
348-3021	Almond	60" x 98" Single Door	ONE
348-3022	Almond	120" x 82" Double Door Conversion	ONE KIT
348-3030		Replacement Screen Cassette and Screen on Tube 60" x 82"	ONE

Patio Door Replacement Screens - Multi-Fit

- **Heavy Duty painted steel frame 2" x 3/4"**
- **Doors adjust in height from 78" to 80"**
- **Doors are reversible for right and left hand operation**
- **Spring loaded self-adjusting top and bottom extruded aluminum expanders for easy installation**
- **Two removable push bars and sturdy latching handles**
- **Heavy duty steel ball bearings**
- **SOLD IN CARTONS OF 5 ONLY**

STOCK NO.	Width	Glass Door Code	Color	UNIT PKG.*
348-3040	30"	5/0 x 6/8	White	5
348-3041	30"	5/0 x 6/8	Bronze	5
348-3042	36"	6/0 x 6/8	White	5
348-3043	36"	6/0 x 6/8	Bronze	5
348-3044	48"	8/0 x 6/8	White	5
348-3045	48"	8/0 x 6/8	Bronze	5
348-3046	60"	10/0 x 6/8	White	5
348-3047	60"	10/0 x 6/8	Bronze	5

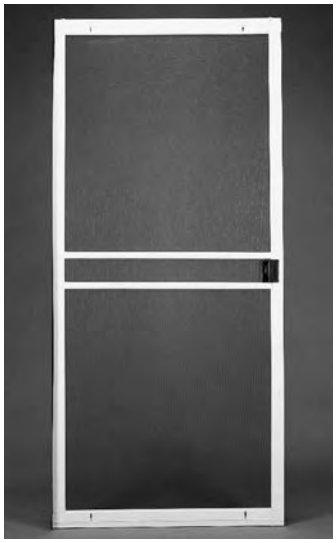
*Must be shipped by truck

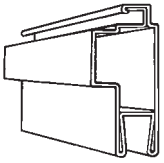


Attractive latching handle.



Heavy Duty steel ball bearing rollers.







Spring loaded. Self-adjusting.

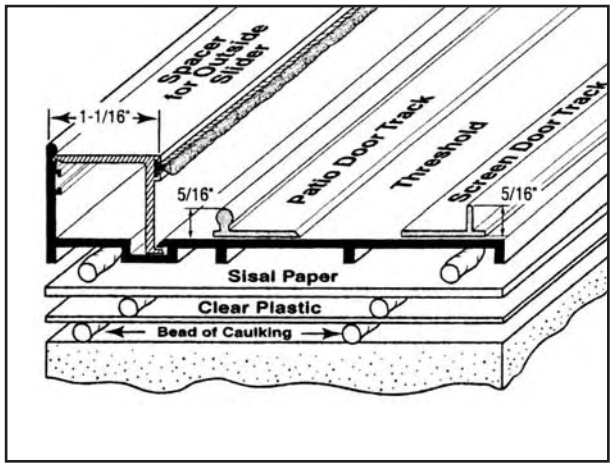


2 removable push bars and sturdy latching handle.

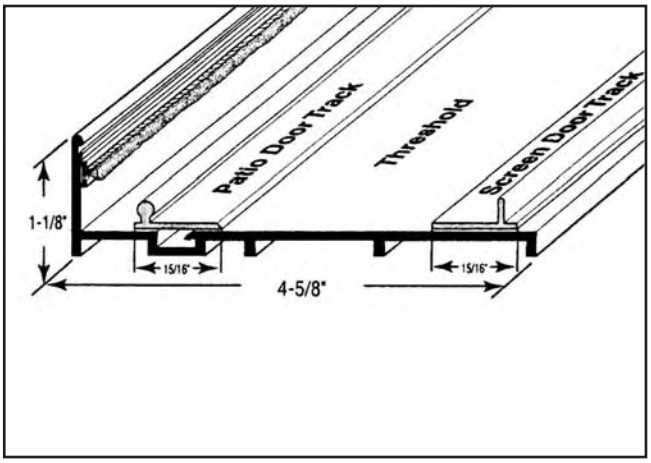
Threshold Replacement Kits

Threshold Replacement Kits are a revolutionary new product that replaces oxidized or corroded patio door thresholds. Easy to install. Eliminates the need of replacing the entire door frame. Adapts to inside or outside slides. Available in aluminum or bronze finishes.

Outside Slider Installation



Inside Slider Installation

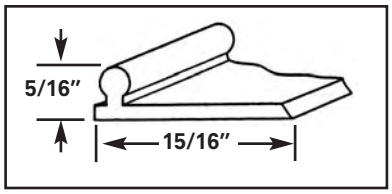


Contents of Complete Kit: 5 pieces of extruded anodized aluminum, sisal paper, clear plastic sheeting, caulking, fasteners, razor blade and detailed instructions.

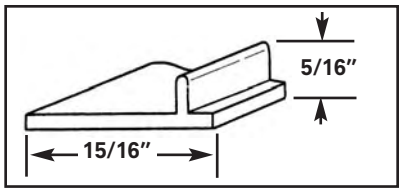
THRESHOLD REPLACEMENT KITS

ALUMINUM STOCK NO.	BRONZE STOCK NO.	Length	UNIT PKG.
325-9906	325-9907	6′	ONE KIT
325-9908	325-9909	8′	ONE KIT
325-9912	325-9913	10′	ONE KIT
325-9915	325-9914	12′	ONE KIT

Glass Rail



Screen Rail



REPLACEMENT GLASS and SCREEN RAILS

UNIT PKG: 4 RAILS PER CARTON

ALUMINUM STOCK NO.	BRONZE STOCK NO.	Track Type	Length	UNIT PKG.
325-9900	325-9902	Screen	6′	ONE CTN.
325-9901	325-9903	Screen	8′	ONE CTN.
325-9904	325-9919	Screen	10′	ONE CTN.
325-9905	325-9917	Screen	12′	ONE CTN.
325-9910	325-9922	Glass	6′	ONE CTN.
325-9911	325-9923	Glass	8′	ONE CTN.
325-9924	325-9925	Glass	10′	ONE CTN.
325-9926	325-9927	Glass	12′	ONE CTN.

Door Sills, Sweeps and Thresholds

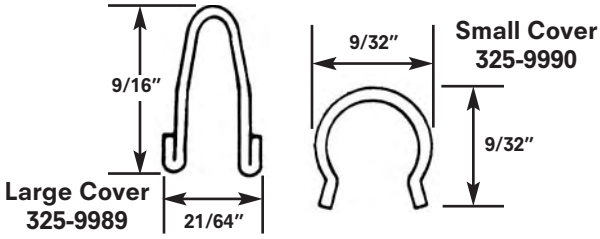
Replacement Patio Door Sill Track Cover



Fits most door tracks. Easy to install and quickly replaces damaged track. Increases door efficiency and saves the cost of a new sill installation.



Stainless Steel 8′ Lengths

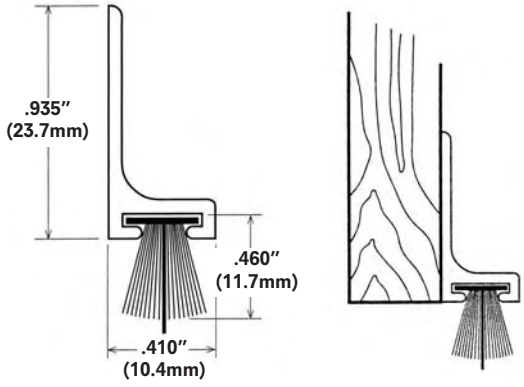


UNIT PKG: ONE 8′ STAINLESS STEEL TRACK COVER

STOCK NO.	Description	UNIT PKG.
325-9989	Large Cover	ONE COVER
325-9990	Small Cover	ONE COVER

Door Sweep Weather Seal

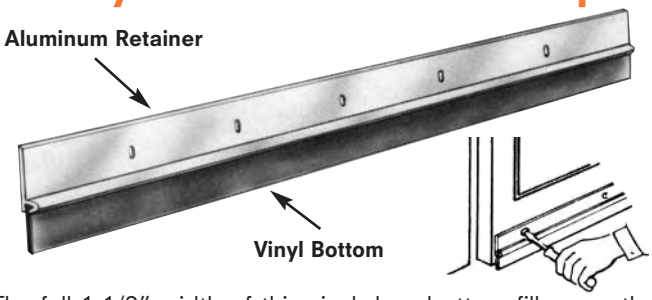
- **Mounts on Interior or Exterior Face of Door**
- **Fills Gaps for 1/16″ to 5/16″**



Aluminum retainer holds Schlegel's "Fin-Seal" weatherstrip. The aluminum retainer is prepunched for easy installation and adjustment. Screws are included.

STOCK NO.	Finish	Length	UNIT PKG.
318-5880	Mill	36″	ONE LENGTH
318-5881	Bronze	36″	ONE LENGTH
318-5883	Mill	84″	ONE LENGTH
318-5882	Bronze	84″	ONE LENGTH
318-5884	Mill	144″	ONE LENGTH
318-5885	Bronze	144″	ONE LENGTH

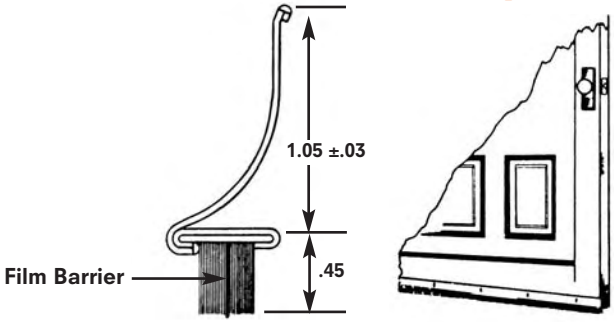
Vinyl Door Bottom Sweep



The full 1-1/2″ width of this vinyl door bottom fills even the largest under door gaps. Sturdy extruded aluminum with lock-in vinyl leaf. Designed for most metal and wood doors. Fits doors to 36″ wide. Includes screws. Finish: Mill with gray pile. Slotted holes allow for easy height adjustment.

STOCK NO.	Finish	Length	Contents	UNIT PKG.
318-5812	Aluminum	36″	12	ONE CARTON

Commercial and Residential Door Bottom Sweep

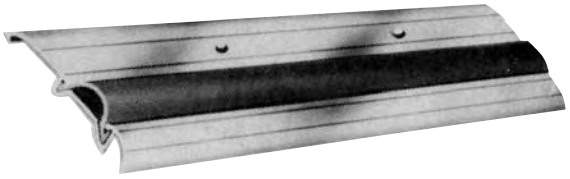


Dual commercial/residential door sweep is a roll formed combination of aluminum and Windo-Fin center barrier pile weatherstrip. Effectively reduces air infiltration, yet flexible enough to "sweep" across a rug or other floor surface.

STOCK NO.	Finish	Length	UNIT PKG.
318-5850	Mill	36-1/2″	ONE LENGTH
318-5851	Bronze	36-1/2″	ONE LENGTH
318-5849	Mill	12′	ONE LENGTH
318-5852	Bronze	12′	ONE LENGTH

Aluminum Threshold

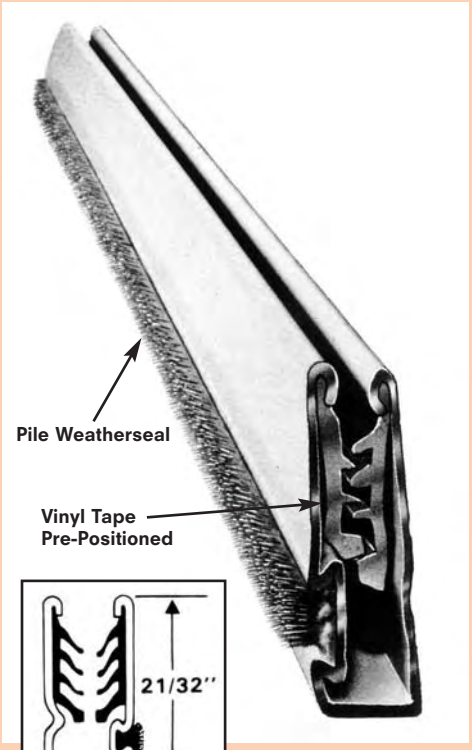
Double Vinyl Spurs Block Drafts and Dust



Popular threshold stops dust, dirt and bugs, while preventing heat or cooling loss. Flexible, long lasting vinyl insert on top of threshold forms a weather-tight seal with bottom edge of the door. Polybagged with screws.

STOCK NO.	Length	Width	Height	UNIT PKG.
325-9920	36-1/2″	3-1/2″	7/8″	ONE THRESHOLD

Storm Window Sash



21/32" High
5/16" Wide
5/32" Glass Opening

Storm Window Sash

All-In-One Pre-assembled
Heavy Gauge Aluminum Framing

Used for Fabricating:
- **Storm Door Panels**
- **Bow Window Storm Sash**
- **Awning Piggybacks**

Available in 3 Finishes:
- **White** - BEST SELLER
- **Bronze**
- **Mill**

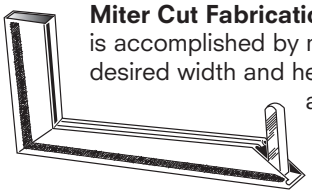
Storm window sash is a preassembled glazing system, incorporating an aluminum window frame, pile weatherstripping and glazing bead in a single unit. It reduces shop frame inventory and is sturdier and more reliable than using vinyls.
There are no fears of cracking, expansion, discoloration or peeling. It is ready to assemble and no glues or adhesives are required.
Zinc insert corners are used to lock the mitered ends together. The use of Somaca corner crimping tool Stock No. 230-4770 is recommended after corners are inserted.

SOLD PER LENGTH - 50 LENGTHS PER CARTON

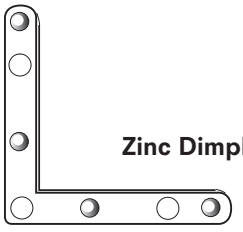
STOCK NO.	Finish	Length	UNIT PKG.
346-8122	Mill	12′	ONE LENGTH
346-8123	White	12′	ONE LENGTH
346-8124	Bronze	12′	ONE LENGTH

Storm Window Sash Corners

Used for Miter Cut Fabrication



Miter Cut Fabrication . . .
is accomplished by miter cutting the sash to the desired width and height. Next, insert the zinc corners and wrap around the glass or acrylic panel.
Then use our 230-4770 crimping tool to crimp the frame onto the dimples in the corners to provide a secure fit.



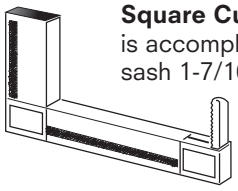
Zinc Dimpled Corner

Zinc insert corners are designed to snugly fit into storm window sash and hold the mitered corners tightly together. Four dimples are cast into each side of the corner. A secure joint is obtained when the frame is crimped into these dimples with our No. 230-4770 crimping tool.

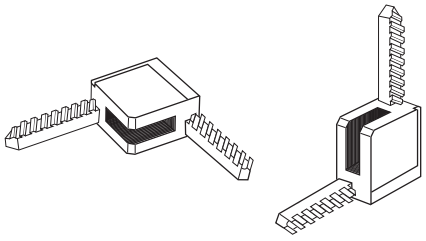
STOCK NO.	Contents	UNIT PKG.
346-8177	100	ONE PKG.

Press Lock Sash Corners

Used for Square Cut Fabrication



Square Cut Fabrication . . .
is accomplished by simply square cutting the sash 1-7/16" less than the width and height of the desired frame.
Next insert the press lock corners and wrap around the glass or acrylic panel and fabrication is completed.



These press lock corners allow fabrication of storm windows without the need for mitering. Measure the height and width desired and deduct 1-7/16". Then square cut the universal sash and insert the corners. 3 colors are available to match the frame. Can be used for inside and outside applications.

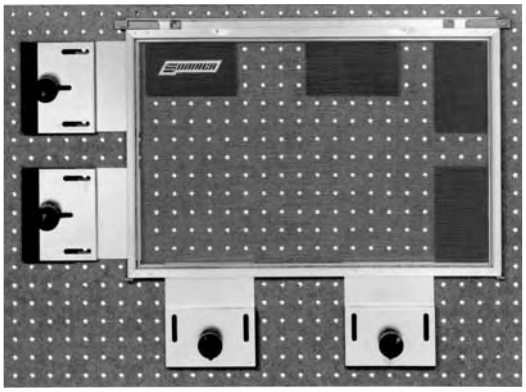
STOCK NO.	Finish	Contents	UNIT PKG.
346-8180	Mill	100	ONE BOX
346-8181	White	100	ONE BOX
346-8182	Bronze	100	ONE BOX

Screen Jig and Window Frames

SOMACA Adjustable Window Screen Jig

Easily Fabricate Any Size Screen

Unique Pegboard Setup Allows You to Change Screen Sizes in Minutes



Jig mounted on pegboard panel. Pegboard not included.

STOCK NO.	Description	UNIT PKG.
230-4720	Screen Jig (4 plates, 4 adj. jigs)	ONE KIT

3M Metal Sealant 2084



Aluminum Color

STOCK NO.	Color	Size	UNIT PKG.
335-2084	Aluminum	5 oz.	ONE TUBE

CONCORD Storm Window Adhesive



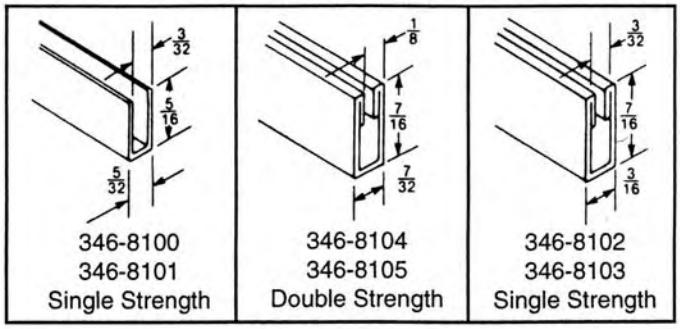


STOCK NO.	Color	Size	Weight	UNIT PKG.
335-1822	Neutral	Gallon	8 lbs.	ONE CAN

STOCK NO.	Description	Size	UNIT PKG.
335-1823	Applicator Bottle	1 Pint	ONE BOTTLE

Wrap-Around Aluminum Storm Window Frames

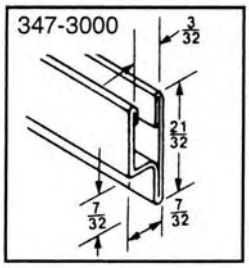
Mill and White Finishes

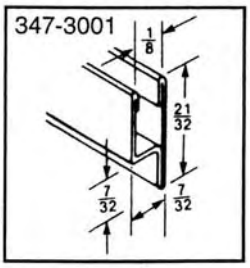


Cut and miter the frame to size, then apply a coating of storm window adhesive, No. 335-1822 to the window channel. Firmly insert glass in channel and allow adhesive to bond.

STOCK NO.	Finish	Length	UNIT PKG.
346-8100	Mill	12'6"	ONE LENGTH
346-8101	White	12'6"	ONE LENGTH
346-8102	Mill	12'6"	ONE LENGTH
346-8103	White	12'6"	ONE LENGTH
346-8104	Mill	12'6"	ONE LENGTH
346-8105	White	12'6"	ONE LENGTH

Storm Window Leg Frames



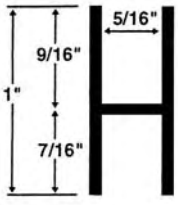


An adhesive bonded storm window frame. To assemble, miter and apply adhesive. The leg frame is .024 thick-rolled aluminum. Installs in recessed opening. For SS or DS glass.

STOCK NO.	Finish	Description	Length	UNIT PKG.
347-3000	Mill	Single Strength	12'6"	ONE LENGTH
347-3001	Mill	Double Strength	12'6"	ONE LENGTH

Storm Window Mullion Bar

Multipurpose "H" bar can be used inside or out. When covering extremely large window panels outside, use vertically in conjunction with storm window sash to separate window panels. Use horizontally as a mullion bar on storm panels.

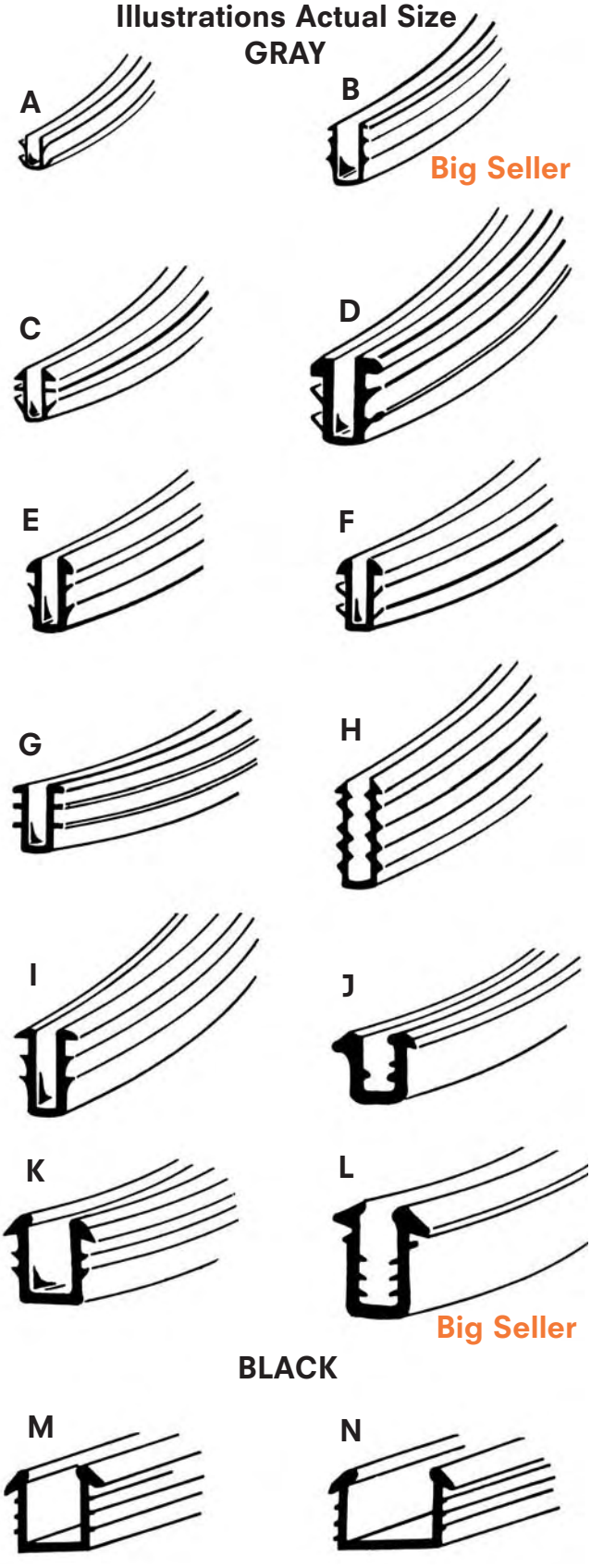


STOCK NO.	Finish	Length	UNIT PKG.
316-7512	Aluminum Anodized	12'	ONE LENGTH

Vinyl Window Glazing Channel

Illustrations Actual Size

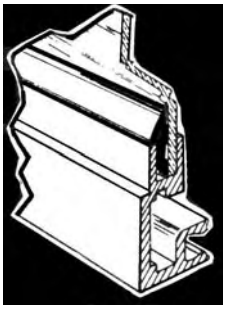
GRAY



BLACK

Gray and Black "U" Window Channels

100% Virgin Vinyl Extruded Material





The standard styles of window channel illustrated are used for the repairing, reglazing and manufacturing of metal storm windows, shower doors and display case door panels.



50 FOOT ROLLS - GRAY

STOCK NO.	Glass Size	Channel Depth	Metal Opening	UNIT PKG.
J 345-4010	3/16″	3/8″	5/16″	ONE ROLL
K 345-4011	7/32″	11/32″	5/16″	ONE ROLL
L 345-4012	1/4″	9/16″	11/32″	ONE ROLL

50 FOOT ROLLS - BLACK

M 345-4013	1/2″	7/16″	5/8″	ONE ROLL
N 345-4014	3/4″	7/16″	7/8″	ONE ROLL

100 FOOT ROLLS - GRAY

STOCK NO.	Glass Size	Channel Depth	Metal Opening	UNIT PKG.
A 345-4101	S.S.	13/64″	9/64″ - 11/64″	ONE ROLL
B 345-4102	S.S.	9/32″	5/32″ - 3/16″	ONE ROLL
C 345-4103	S.S.	15/64″	5/32″ - 1/4″	ONE ROLL
D 345-4104	S.S.	19/64″	15/64″ - 9/32″	ONE ROLL
E 345-4105	D.S.	9/32″	1/4″ - 19/64″	ONE ROLL
F 345-4106	S.S.	17/64″	3/16″ - 9/32″	ONE ROLL
G 345-4107	D.S.	15/64″	7/32″ - 15/64″	ONE ROLL
H 345-4108	D.S.	1/2″	7/32″	ONE ROLL
I 345-4109	S.S.	7/16″	5/32″	ONE ROLL

1000 FOOT REELS - GRAY

STOCK NO.	Glass Size	Channel Depth	Metal Opening	Wt. per Roll	UNIT PKG.
A 345-4301	S.S.	13/64″	9/64″ - 11/64″	10 lbs.	ONE REEL
B 345-4302	S.S.	9/32″	5/32″ - 3/16″	17 lbs.	ONE REEL
C 345-4303	S.S.	15/64″	5/32″ - 1/4″	22 lbs.	ONE REEL
E 345-4305	D.S.	9/32″	1/4″ - 19/64″	32 lbs.	ONE REEL
F 345-4306	S.S.	17/64″	3/16″ - 9/32″	24 lbs.	ONE REEL
G 345-4307	D.S.	15/64″	7/32″ - 15/64″	20 lbs.	ONE REEL

Specialty Vinyls

Universal Glazing Vinyl



Black, pre-slit glazing vinyl makes hackout reglazing a snap. Back is machine slit every 5/8" for fast, easy, consistent corner forming. Available for SS and DS glass. Sold per 750' roll or 1000' reel.

STOCK NO.	Glass Size	Channel Depth	Metal Opening	Lgth.	UNIT PKG.
380-0180	SS	1/4"	3/16-9/32	750'	ONE ROLL
380-0210	DS	1/4"	3/16-9/32	1000'	ONE REEL

3/4" Reduction Vinyl



Black, 3/4" to 3/16" reduction vinyl quickly converts insulating windows and patio doors to single pane glazing. Unique webbed profile will compress to 5/8" openings and DS glass. Great for emergency repair or permanent conversion. Sold per 250' roll.

STOCK NO.	Channel Depth	Metal Opening	Length	UNIT PKG.
380-0908	7/16"	9/16-3/4	250'	ONE ROLL

1/2" Reduction Vinyl



Solid black vinyl shape reduces older channels designed for 1/2" insulating glass to DS single pane glazing. Ideal for temporary repairs or permanent conversion. Vinyl is sold per 150' roll.

STOCK NO.	Channel Depth	Metal Opening	Length	UNIT PKG.
380-0078	7/16"	7/16-9/16	150'	ONE ROLL

Commercial Roll-In Vinyl



Universal storefront roll-in vinyl fits most vinyl glazed commercial metal systems. Offered in two options to cover varying metal openings or glass thickness. String core controls stretch and shrink. Sold per 500' and 250' rolls.

STOCK NO.	Depth	Cap Width	Length	UNIT PKG.
380-0211	7/16"	5/16"	500'	ONE ROLL
380-0214	3/8"	1/2"	250'	ONE ROLL

"HI-SHEEN" Glass Cleaner

This high performance glass cleaner also acts as excellent roll-in vinyl lubricant. Aggressive foaming action keeps lubrication on area needed instead of running to bottom of work surface. Leaves no residue and will not adversely affect glass or vinyl surfaces. Sold 12 cans per carton.

HI-SHEEN Foaming Aerosol Cleaner

STOCK NO.	UNIT PKG.
337-1100	ONE CARTON



"Long John" Vinyl Glazing Roller Tool

Nylon Wheel - Aluminum Handle

The "Long John" vinyl roller is the most widely used vinyl roller tool on the market. It makes any easy job of installing glazing vinyls. Tool has a free rolling nylon roller and aluminum die cast pointed end handle, for pushing vinyl into tight areas. There are grooved finger slots in handle for a secure grip.

STOCK NO.	Wheel	Wheel Width	Length	UNIT PKG.
230-4441	1-1/2"	3/8"	11"	ONE TOOL



Vinyl Window Glazing Spline

Gray and Black Storm Window Spline

100% Virgin Vinyl Extruded Material



100 FOOT ROLLS

GRAY

STOCK NO.	UNIT PKG.
A 345-3102	ONE ROLL
B 345-3103	ONE ROLL
C 345-3104	ONE ROLL
D 345-3105	ONE ROLL
E 345-3106	ONE ROLL
F 345-3107	ONE ROLL
G 345-3108	ONE ROLL
H 345-3109	ONE ROLL
I 345-3110	ONE ROLL
J 345-3113	ONE ROLL

BLACK

STOCK NO.	UNIT PKG.
A 345-3002	ONE ROLL
B 345-3003	ONE ROLL
C 345-3004	ONE ROLL
G 345-3008	ONE ROLL
J 345-3013	ONE ROLL

1000 FOOT REELS

GRAY

STOCK NO.	Weight	UNIT PKG.
A 345-3302	31 lbs.	ONE REEL
B 345-3303	19 lbs.	ONE REEL
G 345-3308	20 lbs.	ONE REEL
J 345-3313	19 lbs.	ONE REEL

BLACK

STOCK NO.	Weight	UNIT PKG.
J 345-3413	19 lbs.	ONE REEL

Illustrations Actual Size



Gray and Black



Gray and Black



Gray and Black



Gray

Big Seller



Gray



Gray



Gray and Black



Gray



Gray



Gray and Black

Big Seller

345-3313 (J) is an extremely popular Universal spline for "drop-in" glazing of metal storm windows. It fits 92% of all aluminum windows.

Window Sash Glazing Clips

Wire Glazing Clips

Galvanized, High Tensile M.B. Spring Clips for Steel and Aluminum Sashes

These spring clips hold glass in place prior to applying putty and aid in securing the glass in the sash.



For Use in Steel Sash



342-1016
(A) Unit Package 1000 for Steel Sash



342-1017
(B) Unit Package 1000 for Steel Sash



342-1018
(C) Unit Package 1000 for Steel Sash

Best Seller



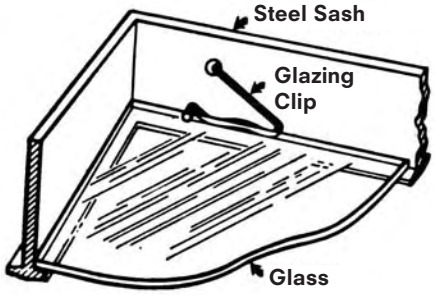
342-1021
(D) Unit Package 1000 for Steel Sash



342-1022
(E) Unit Package 1000 for Steel Sash



342-1121
(F) Unit Package 1000 for Steel Sash



For Use in Aluminum Sash

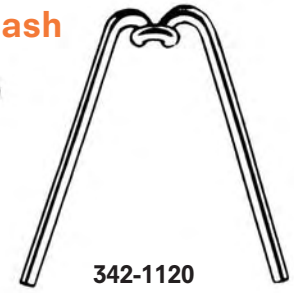
Best Seller



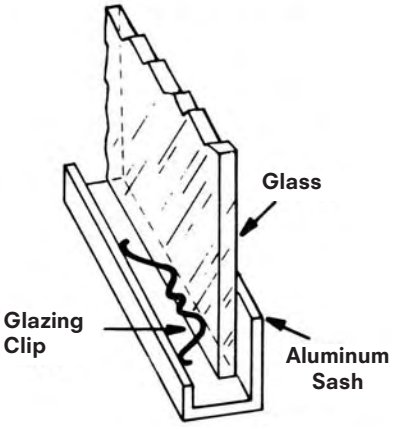
342-1019
(G) Unit Package 1000 for Aluminum Sash



342-1020
(H) Unit Package 1000 for Aluminum Sash



342-1120
(I) Unit Package 500 for Aluminum Sash



ILLUSTRATIONS ACTUAL SIZE

Regular Packaging Steel Sash Clips

STOCK NO.	Gauge	Sash Type	Weight	Contents	UNIT PKG.
A 342-1016	Heavy	Steel	2 lb. 2 oz.	1000	ONE BOX
B 342-1017	Heavy	Steel	2 lb. 4 oz.	1000	ONE BOX
C 342-1018	Light	Steel	1 lb. 4 oz.	1000	ONE BOX
D 342-1021	Light	Steel	1 lb. 4 oz.	1000	ONE BOX
E 342-1022	Heavy	Steel	2 lbs.	1000	ONE BOX
F 342-1121	Light	Steel	1 lb. 4 oz.	1000	ONE BOX

Regular Packaging Aluminum Sash Clips

STOCK NO.	Gauge	Sash Type	Weight	Contents	UNIT PKG.
G 342-1019	Light	Alum.	1 lb. 4 oz.	1000	ONE BOX
H 342-1020	Light	Alum.	1 lb. 2 oz.	1000	ONE BOX
I 342-1120	Light	Alum.	13 oz.	500	ONE BOX

Wire Glazing Clips

Retail Display Carton





Unit Package 50 per package, 10 packages to a carton.

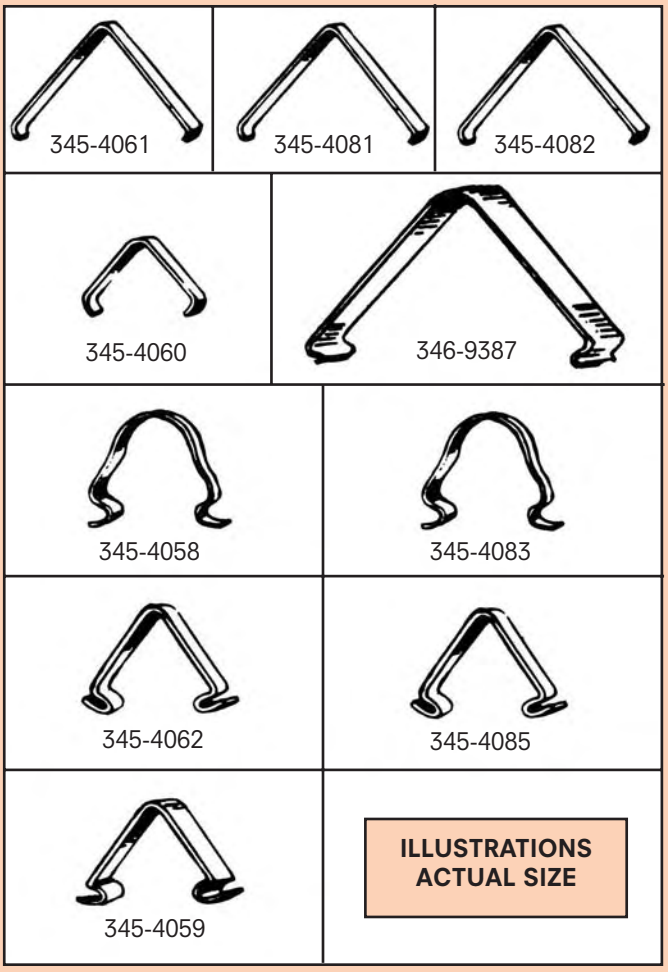
Furnished as an attractive counter display carton for over-the-counter trade. Each package contains 50 clips.

STOCK NO.	Description	Gauge	UNIT PKG.
342-3016	Industrial Sash Clips	Heavy	ONE CARTON
342-3018	Residential Sash Clips	Light	ONE CARTON

Window Insert Clips, Locks, Springs

Insert Corner Clips For Aluminum Storm Windows

Spring Steel



These spring clips are used to secure miter cut corners of storm window frames.

UNIT PKG: 100 CLIPS PER BOX

STOCK NO.	Lgth x Width x Thickness	UNIT PKG.
346-9387	1-1/8" x .218 x .033	ONE BOX
345-4058	5/8" x .170 x .031	ONE BOX
345-4059	5/8" x .250 x .021	ONE BOX
345-4060	7/16" x .183 x .026	ONE BOX
345-4061	3/4" x .140 x .031	ONE BOX
345-4062	5/8" x .217 x .026	ONE BOX

UNIT PKG: 20 CLIPS PER BOX

STOCK NO.	Lgth x Width x Thickness	UNIT PKG.
345-4081	3/4" x .096 x .020	ONE BOX
345-4082	3/4" x .128 x .030	ONE BOX
345-4083	5/8" x .098 x .033	ONE BOX
345-4085	5/8" x .186 x .026	ONE BOX

Storm Window Insert Clip

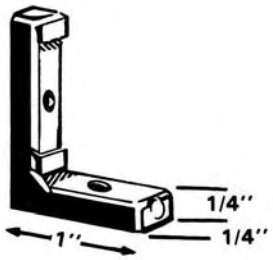
Spring Steel



ILLUSTRATION ACTUAL SIZE

STOCK NO.	Lgth x Width xThickness	Contents	UNIT PKG.
345-4080	7/8" x .048 x .048	20	ONE BOX

Window Corner Locks



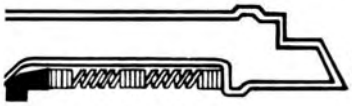
346-3019
For Rylock Windows



346-3018
For Mayfair Windows

STOCK NO.	Description	Contents	UNIT PKG.
346-3019	Corner Lock	4 Locks	ONE SET
346-3018	Corner Lock	4 Locks	ONE SET

Window Slide Bolt Replacement Springs





Plated

STOCK NO.	Length	Contents	UNIT PKG.
346-1814	1-1/2"	20	ONE BOX



STOCK NO.	Length	Contents	UNIT PKG.
346-1724	1-1/8"	20	ONE BOX

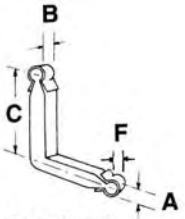
Zinc Die-Cast Corner Key Kit

No. 346-5100

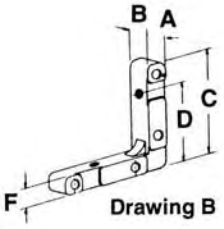


- **Special Selection of the Most Popular Zinc Corner Keys**
- **Durable Plastic Container with Product Identification Chart**
- **Refills Available in Packages of 20 on All Corner Keys**

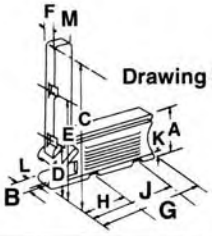
Sommer & Maca has carefully selected the most popular zinc corner keys and put them together in kit form. The kit contains 10 each of 23 different corner keys - a wide range of items to cover practically any repair job. An identification chart on the inside lid helps you to select or restock the proper part.



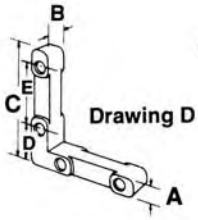
Drawing A



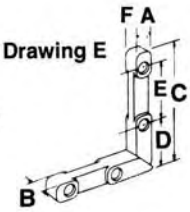
Drawing B



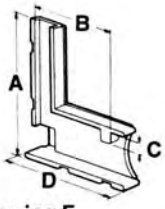
Drawing C



Drawing D



Drawing E



Drawing F



346-5101
Drawing A
A - .280
B - .120
C - 1.4
F - .280

Best Seller



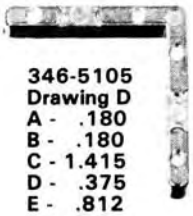
346-5102
Drawing A
A - .200
B - .150
C - .850
F - .200



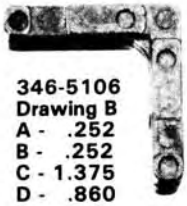
346-5103
Drawing A
A - .250
B - .250
C - .850
F - .250



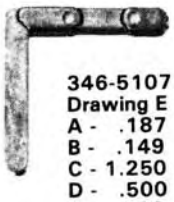
346-5104
Drawing A
A - .187
B - .187
C - .850
F - .187



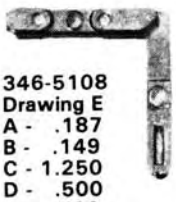
346-5105
Drawing D
A - .180
B - .180
C - 1.415
D - .375
E - .812



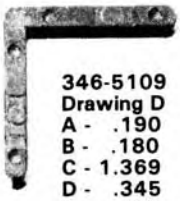
346-5106
Drawing B
A - .252
B - .252
C - 1.375
D - .860
F - .252



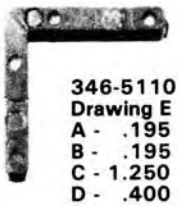
346-5107
Drawing E
A - .187
B - .149
C - 1.250
D - .500
E - .500
F - .093



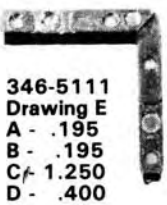
346-5108
Drawing E
A - .187
B - .149
C - 1.250
D - .500
E - .500
F - .093



346-5109
Drawing D
A - .190
B - .180
C - 1.369
D - .345
E - .812



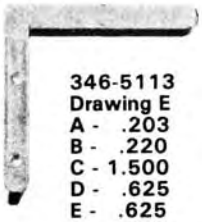
346-5110
Drawing E
A - .195
B - .195
C - 1.250
D - .400
E - .720
F - .123



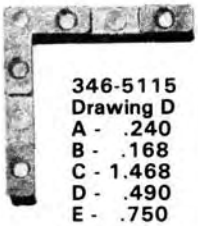
346-5111
Drawing E
A - .195
B - .195
C - 1.250
D - .400
E - .720
F - .123



346-5112
Drawing E
A - .203
B - .220
C - 1.500
D - .625
E - .625
F - .130



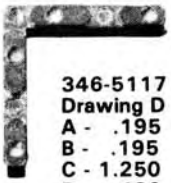
346-5113
Drawing E
A - .203
B - .220
C - 1.500
D - .625
E - .625
F - .130



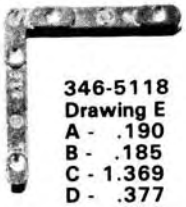
346-5115
Drawing D
A - .240
B - .168
C - 1.468
D - .490
E - .750



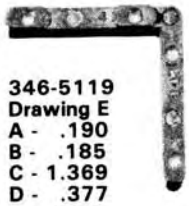
346-5116
Drawing D
A - .187
B - .149
C - 1.250
D - .500
E - .500



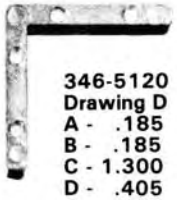
346-5117
Drawing D
A - .195
B - .195
C - 1.250
D - .400
E - .720



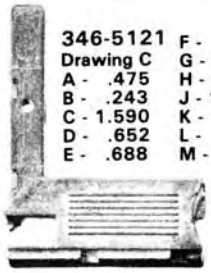
346-5118
Drawing E
A - .190
B - .185
C - 1.369
D - .377
E - .812
F - .150



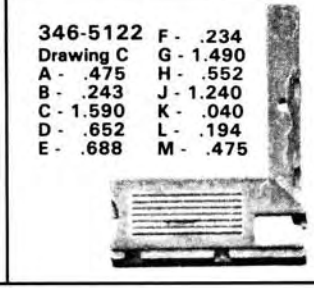
346-5119
Drawing E
A - .190
B - .185
C - 1.369
D - .377
E - .812
F - .150



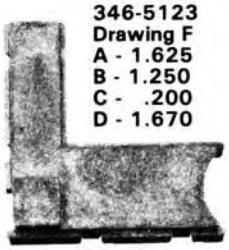
346-5120
Drawing D
A - .185
B - .185
C - 1.300
D - .405
E - .562



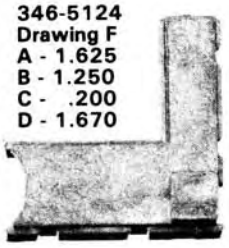
346-5121
Drawing C
A - .475
B - .243
C - 1.590
D - .652
E - .688
F - .234
G - 1.490
H - .552
J - 1.240
K - .040
L - .194
M - .475



346-5122
Drawing C
A - .475
B - .243
C - 1.590
D - .652
E - .688
F - .234
G - 1.490
H - .552
J - 1.240
K - .040
L - .194
M - .475



346-5123
Drawing F
A - 1.625
B - 1.250
C - .200
D - 1.670



346-5124
Drawing F
A - 1.625
B - 1.250
C - .200
D - 1.670

Storm Window Replacement Kit

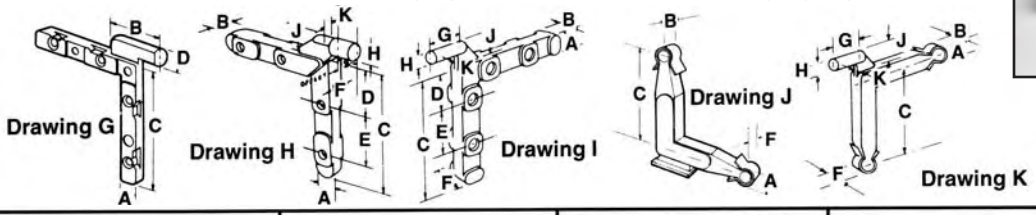
Zinc Die-Cast Swivel Key Kit
No. 346-5200

- **Select Assortment of the Most Widely Used Swivel Keys**
- **Handy Plastic Container with Product Identification Chart**
- **Refills Available in Packages of 20 on All Swivel Keys**

Sommer & Maca has designed this special selection of zinc swivel keys. The kit contains 10 each of 17 different swivel keys. A wide enough assortment to handle just about any job. An identification chart on the inside lid helps you to select, or restock the proper part.



Best Selling Die-Cast Kit





346-5201
Drawing G
A - .200
B - .675
C - 1.490
D - .195



346-5202
Drawing G
A - .200
B - .675
C - 1.490
D - .195



346-5203
Drawing H
A - .210
B - .120
C - 1.250
F - .120
G - .280
H - .120
J - .200
K - .062
Off Set - .062



346-5204
Drawing H
A - .210
B - .120
C - 1.250
F - .120
G - .280
H - .120
J - .200
K - .062
Off Set - .062



346-5205
Drawing H
A - .195
B - .195
C - 1.250
D - .400
E - .720
F - .123
G - .270
H - .160
J - .240
K - .130
Off Set - .015



346-5206
Drawing H
A - .195
B - .195
C - 1.250
D - .400
E - .720
F - .123
G - .270
H - .160
J - .240
K - .130
Off Set - .015



346-5207
Drawing H
A - .190
B - .150
C - 1.369
D - .377
E - .812
F - .150
G - .285
H - .180
J - .255
K - .100

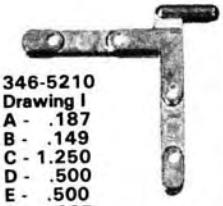
Best Seller
Off Set - .065



346-5208
Drawing H
A - .190
B - .150
C - 1.369
D - .377
E - .812
F - .150
G - .285
H - .180
J - .255
K - .100
Off Set - .065



346-5209
Drawing I
A - .180
B - .187
C - 1.430
G - .285
H - .150
J - .075
K - .150



346-5210
Drawing I
A - .187
B - .149
C - 1.250
D - .500
E - .500
G - .285
H - .140
J - .210
K - .085



346-5212
Drawing I
A - .203
B - .220
C - 1.500
D - .625
E - .625
G - .312
H - .243
J - .281
K - .120



346-5213
Drawing H
A - .203
B - .220
C - 1.500
D - .625
E - .625
F - .130
G - .312
H - .230
J - .281
K - .120



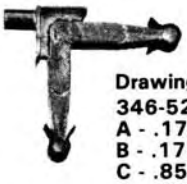
346-5214
Drawing H
A - .195
B - .160
C - 1.250
D - .480
E - .500
F - .100
G - .250
H - .170
J - .220
K - .065



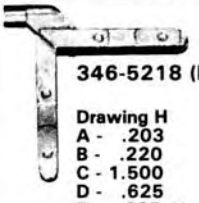
346-5215
Drawing H
A - .195
B - .160
C - 1.250
D - .480
E - .500
F - .100
G - .250
H - .170
J - .220
K - .065



346-5216
Drawing I
A - .175
B - .175
C - .850
F - .175



Drawing K
346-5217
A - .175
B - .175
C - .850
F - .175
H - .160



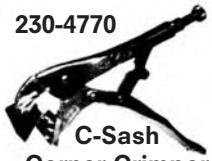
346-5218 (Right)
Drawing H
A - .203
B - .220
C - 1.500
D - .625
E - .625 H - .230
F - .130 J - .281
G - .312 K - .120

Essential Window Fabricator and Repair Tools

Refer to Index



230-4441
Window Vinyl Roller

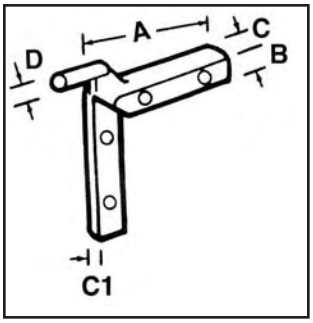


230-4770
C-Sash Corner Crimper

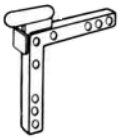


211-4525
Corner Key Remover

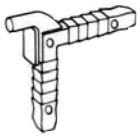
Storm Window Replacement Kit



Nylon Swivel Key Kit
No. 346-2300



Kit contains 300 nylon swivel and tilt keys, 10 pieces each of 30 individual parts. Container includes key I.D. chart.



STOCK NO.	Description	UNIT PKG.
346-2300	300 Piece Set	ONE KIT



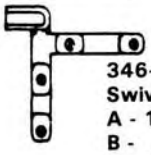
Replacement Parts - UNIT PACKAGE: 20 Pieces Per Box



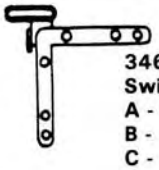
346-1551
Left - Swivel Key
A - 1.490
B - .190
C - .160
D - .155



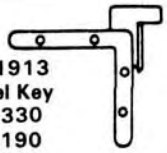
346-1562
Right - Swivel Key
A - 1.490
B - .190
C - .160
D - .155



346-1556
Swivel Key
A - 1.310
B - .240
C - .230
D - .225



346-1558
Swivel Key
A - 1.385
B - .187
C - .185
D - .195



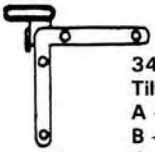
346-1913
Swivel Key
A - 1.330
B - .190
C - .190
D - .195



346-1707
Left - Swivel Key
A - 1.250
B - .190
C - .160
C1 - .100
D - .135



346-1708
Right - Swivel Key
A - 1.250
B - .190
C - .160
C1 - .100
D - .135



346-1158
Tilt Key
A - 1.475
B - .187
C - .141
D - .126



346-1706
Swivel Key
A - 1.250
B - .187
C - .165
D - .130



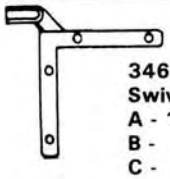
346-2017
Tilt Key
A - 1.430
B - .185
C - .180
D - .185



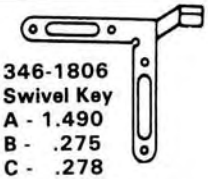
346-1709
Left - Swivel Key
A - 1.260
B - .190
C - .120
D - .158



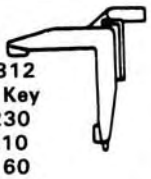
346-1710
Right - Swivel Key
A - 1.260
B - .190
C - .120
D - .158



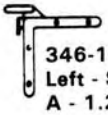
346-1552
Swivel Key
A - 1.350
B - .190
C - .190
D - .190



346-1806
Swivel Key
A - 1.490
B - .275
C - .278
D - .240



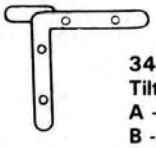
346-1812
Swivel Key
A - 1.230
B - .210
C - .160
D - .150



346-1713
Left - Swivel Key
A - 1.250
B - .190
C - .100
D - .125



346-1714
Right - Swivel Key
A - 1.250
B - .190
C - .100
D - .125



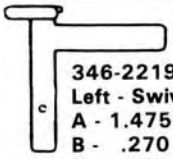
346-2214
Tilt Key
A - 1.300
B - .183
C - .176
D - .161



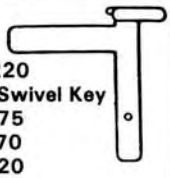
346-2012
Tilt Key
A - 1.300
B - .190
C - .185
D - .170



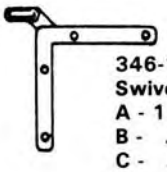
346-2007
Tilt Key
A - 1.090
B - .180
C - .195
D - .165



346-2219
Left - Swivel Key
A - 1.475
B - .270
C - .120
D - .175



346-2220
Right - Swivel Key
A - 1.475
B - .270
C - .120
D - .175



346-1557
Swivel Key
A - 1.254
B - .190
C - .160
D - .190



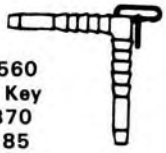
346-1715
Tilt Key
A - 1.240
B - .195
C - .150



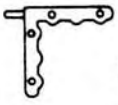
346-1702
Swivel Key
A - 1.025
B - .125
C - .195
D - .122



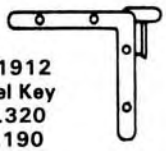
346-1802
Swivel Key
A - 1.220
B - .193
C - .222
D - .150
Best Seller



346-1560
Swivel Key
A - 1.370
B - .185
C - .172
D - .180



346-2010
Tilt Key
A - 1.350
B - .230
C - .187
D - .155

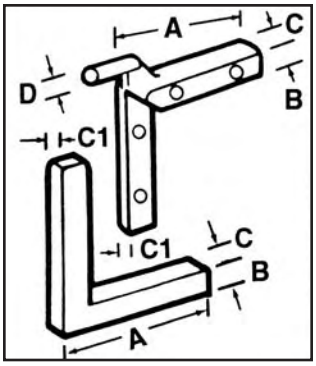


346-1912
Swivel Key
A - 1.320
B - .190
C - .187
D - .150



346-2003
Tilt Key
A - 1.350
B - .202
C - .165
D - .180

Storm Window Replacement Kit

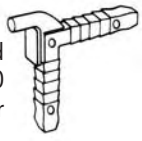


Nylon Swivel and Corner Key Kit

No. 346-2400



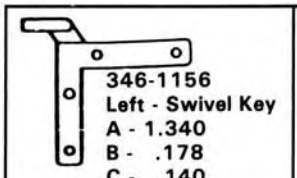
Kit contains 300 nylon swivel and corner keys, 10 pieces each of 30 individual parts. Handy container includes key I.D. chart.



STOCK NO.	Description	UNIT PKG.
346-2400	300 Piece Kit	ONE KIT



Replacement Parts - UNIT PACKAGE: 20 Pieces Per Box



346-1156
Left - Swivel Key
A - 1.340
B - .178
C - .140
D - .176



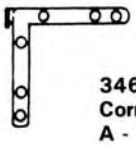
346-1157
Right - Swivel Key
A - 1.340
B - .178
C - .140
D - .176



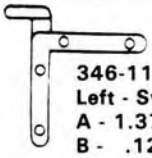
346-2221
Left - Corner Key
A - 1.655
B - .630
C - .195
D - .125



346-2222
Right - Corner Key
A - 1.655
B - .630
C - .195
C1 - .125



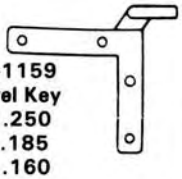
346-1528
Corner Key
A - 1.280
B - .187
C - .185



346-1161
Left - Swivel Key
A - 1.370
B - .128
C - .193
D - .170



346-1162
Right - Swivel Key
A - 1.370
B - .128
C - .193
D - .170



346-1159
Swivel Key
A - 1.250
B - .185
C - .160
D - .190



346-1522
Corner Key
A - 1.340
B - .185
C - .180



Best Seller

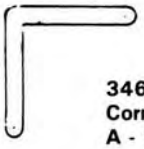
346-2004
Angle Key
A - 1.360
B - .225
C - .185



346-1151
Left - Corner Key
A - 1.340
B - .187
C - .180
D - .142



346-1152
Right - Corner Key
A - 1.340
B - .187
C - .180
D - .142



346-1163
Corner Key
A - 1.250
B - .185
C - .145



346-1701
Corner Key
A - 1.350
B - .202
C - .165



346-2005
Angle Key
A - 1.220
B - .193
C - .217



346-1704
Left - Corner Key
A - 1.250
B - .190
C - .160
C1 - .100



346-1705
Right - Corner Key
A - 1.250
B - .190
C - .160
D - .100

346-1165
Left - Corner Key
A - 1.366
B - .192
C - .189
C1 - .117

346-1166
Right - Corner Key
Not in Kit





346-1703
Corner Key
A - 1.250
B - .187
C - .165



346-2009
Angle Key
A - 1.250
B - .190
C - .165



346-1711
Left - Corner Key
A - 1.250
C - .190
D - .190
C1 - .125



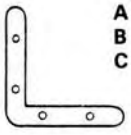
346-1712
Right - Corner Key
A - 1.250
B - .190
C - .190
C1 - .125



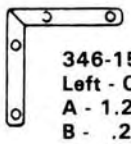
346-1158
Swivel Key
A - 1.475
B - .187
C - .141
D - .126



346-1715
Swivel Key
A - 1.240
B - .195
C - .150



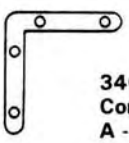
346-2215
Corner Key
A - 1.280
B - .180
C - .180



346-1521
Left - Corner Key
A - 1.280
B - .200
C - .230
C1 - .150



346-1531
Right - Corner Key
A - 1.280
B - .200
C - .230
C1 - .150



346-1155
Corner Key
A - 1.560
B - .285
C - .210

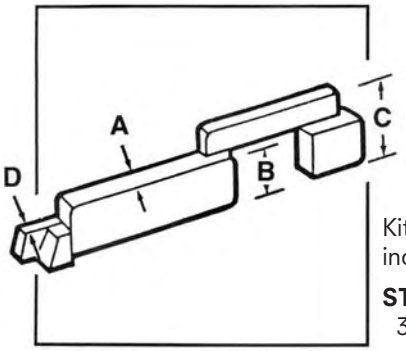


346-1801
Corner Key
A - 1.220
B - .193
C - .222



346-1911
Corner Key
A - 1.215
B - .190
C - .185

Storm Window Replacement Kit



Nylon Slide Bolt Kit

No. 346-2500



Kit contains 300 nylon slide bolts, 10 pieces each of 30 individual parts. Container includes bolt I.D. chart.

STOCK NO.	Description	UNIT PKG.
346-2500	300 Piece Kit	ONE KIT



Replacement Parts - UNIT PACKAGE: 20 Pieces Per Box



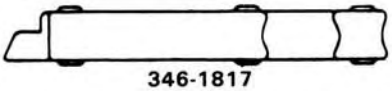
346-1170
Left
A - .240 B - .405 C - .625



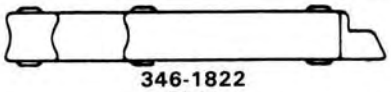
346-1171
Right
A - .240 B - .405 C - .625



Best Seller 346-1721
Left/Right
A - .312 B - .470 C - .470



346-1817
Left
A - .270 B - .590 C - .590 D - .190



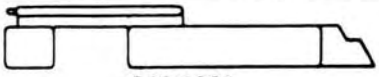
346-1822
Right
A - .270 B - .590 C - .590 D - .190



346-1502
Left
346-1512
Right
A - .320 B - .345 C - .345



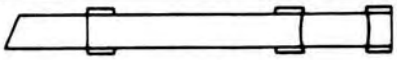
346-1916
Left
A - .230 B - .450 C - .635



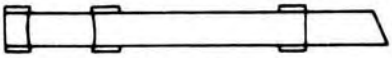
346-1921
Right
A - .230 B - .450 C - .635



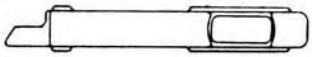
346-1572
Left/Right
A - .285 B - .420 C - .420



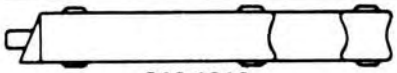
346-1917
Left
A - .245 B - .362 C - .362



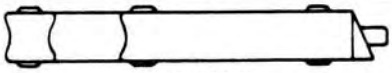
346-1922
Right
A - .245 B - .362 C - .362



346-1570
Left
346-1571
Right
A - .275 B - .570 C - .570



346-1816
Left
A - .280 B - .590 C - .590



346-1821
Right
A - . 280 B - .590 C - .590



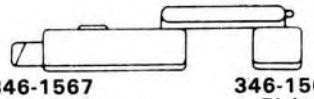
346-1503
Left
346-1513
Right
A - .230 B - .500 C - .700



346-1915
Left
A - .230 B - .500 C - .650



346-1920
Right
A - .230 B - .500 C - .650



346-1567
Left
346-1568
Right
A - .200 B - .490 C - .705



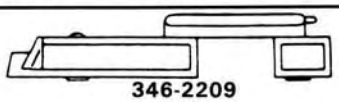
346-2207
Left
A - .170 B - .380 C - .600



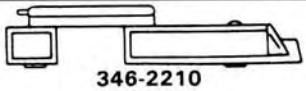
346-2208
Right
A - .170 B - .380 C - .600



346-2216
Left
A - .180 B - .550 C - .730



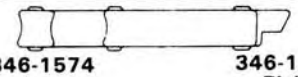
346-2209
Left
A - .220 B - .510 C - .720



346-2210
Right
A - .220 B - .510 C - .720



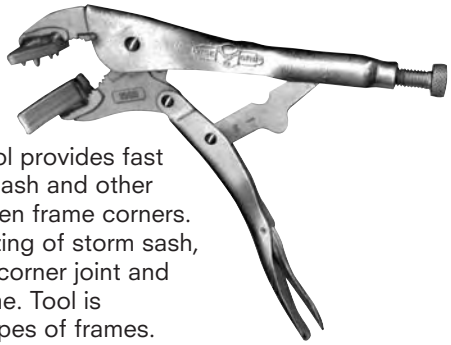
346-2217
Right
A - .180 B - .550 C - .730



346-1574
Left
346-1575
Right
A - .270 B - .590 C - .590 D - .130

Frame Tools and Glazing Bead

Storm Sash Corner Crimping Tool



This time saving tool provides fast crimping of storm sash and other storm window/screen frame corners. After complete glazing of storm sash, insert tool jaws on corner joint and securely crimp frame. Tool is adjustable for all types of frames.

STOCK NO.	Description	Weight	UNIT PKG.
230-4770	Crimping Tool	1 lb. 6 oz.	ONE TOOL

Storm Sash Spreader Tool



This spreader tool quickly spreads the corners of frames for removal of old swivel or corner keys. Just insert the pointed jaws along side the old corner key and squeeze the handles.

STOCK NO.	Length	Width	UNIT PKG.
211-4525	8″	1″	ONE TOOL



Makita®

10″ Miter Saw

For Mitering Window Frame Corners

Dust Bag Included

This saw has a powerful double insulated 15 amp motor that develops 4600 RPM for fast and efficient cutting in wood, plastic, and aluminum extrusions. The table has positive stops at nine settings, and a maximum cutting height x width capacity of 2-3/4″ x 5-1/8″ at 90°, 2-3/4″ x 3-5/8″ at 45°.

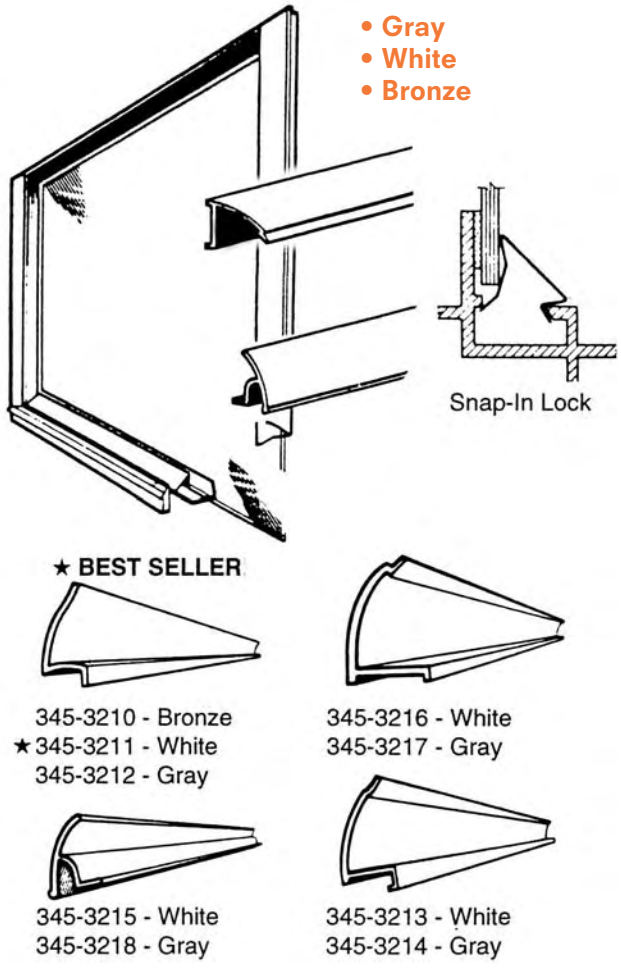
Saw Includes: socket wrench, wood cross-cut blade (50 teeth), dust bag, and triangular rule.

STOCK NO.	Description	Model	UNIT PKG.
230-3926	10″ Miter Saw	LS1030N	ONE SAW

STOCK NO.	Description	UNIT PKG.
230-3348	10″ Carbide Blade - 60 Teeth	ONE BLADE

"Snap-In" Vinyl Glazing Bead

For Aluminum Windows
No Sealant or Corners Needed



Illustrations to Scale

"Snap-In" glazing is not only a quick and easy way to glaze aluminum windows but economical as well. Sealants, putty or caulks are not needed. The glazing bead holds the window panel securely in place. It's ideal for hot climates, where it eliminates the need to reglaze butyl or putty that has dried or cracked from excessive temperatures and direct sun.

STOCK NO.	Color	Length	UNIT PKG.
345-3210	Bronze	6′	ONE LENGTH
345-3211	White	6′	ONE LENGTH
345-3212	Gray	6′	ONE LENGTH
345-3213	White	6′	ONE LENGTH
345-3214	Gray	6′	ONE LENGTH
345-3215	White	6′	ONE LENGTH
345-3218	Gray	6′	ONE LENGTH
345-3216	White	6′	ONE LENGTH
345-3217	Gray	6′	ONE LENGTH

Window Film

Somaca window films control heat, glare, fade and privacy problems without blocking your view. Our heat control insulating and reflective films can reduce window related utility costs up to 25-30%. Somaca window films are sized, packaged and designed for convenient, easy application onto the inside of windows.





APPLICATION GUIDE



Step 1
Measure and clean the window, then cut the film to size.



Step 2
Thoroughly spray the window with lubricating agent No. 348-3245.



Step 3
Remove protective backing from film with two pieces of tape applied to each side of a corner. Press together and quickly pull apart.



Step 4
Spray the lubricating agent on the exposed adhesive & glass; apply the film onto wet glass.



Step 5
Spray the film surface, then squeegee into place.



Step 6
Trim sides of the film, respray, and squeegee dry.

HEAT CONTROL

Gila® Heat Control Insulating™ Window Film

- Reflects up to 70% of summer heat
- Retains up to 55% of interior heating
- Reduces up to 99% of UV-A and UV-B rays that cause fabric fading
- Applies easily to single and dual panes
- Scratch resistance & satisfaction warranty



UNIT PKG: ONE ROLL

STOCK NO.	Color	Size
348-3579	Platinum Gray	24″ x 15′
348-3580	Platinum Gray	36″ x 15′
348-3581	Platinum Gray	48″ x 15′
348-3575	Light Gray	24″ x 15′
348-3577	Light Gray	36″ x 15′
348-3578	Light Gray	48″ x 15′
348-3561	Light Bronze	36″ x 100′
348-3598	Light Gray	48″ x 100′

Gila® Heat Control Reflective™ Window Film

- Reflects up to 60% of summer heat
- Reduces up to 99% of both UV rays that cause fabric fading
- Applies easily to single and dual panes
- Satisfaction warranty



UNIT PKG: ONE ROLL

STOCK NO.	Color	Size
348-3570	Gray	24″ x 15′
348-3576	Gray	36″ x 15′
348-3676	Gray	48″ x 15′
348-3677	Dark Gray	36″ x 100′
348-3560	Silver (Mirror)	36″ x 100′

GLARE CONTROL & PRIVACY

Gila® Privacy Mirror™ Window Film

- Maximizes daytime privacy
- Applies easily to single and dual panes



Gila® Privacy Frosted™ Window Film

- Provides 24 hour privacy
- Applies easily to single and dual pane windows
- Looks great on shower doors and bathroom windows.



UNIT PKG: ONE ROLL

STOCK NO.	Color	Size
348-3582	Silver (Mirror)	36″ x 15′
348-3560	Silver (Mirror)	36″ x 100′
348-3583	Frosted White	48″ x 6.5′

Gila® Glare Control Static-Cling™ Window Film



- Reduces harsh glare
- Features removable/reusable application

UNIT PKG: ONE ROLL

STOCK NO.	Color	Size
348-3596	Bronze	36″ x 6.5′
348-3585	Bronze	48″ x 6.5′
348-3587	Smoke	36″ x 6.5′
348-3688	Smoke	48″ x 6.5′

USAGE GUIDE

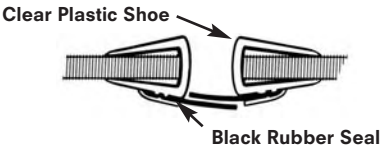
Kit	Comparative	Windows	French Panes	Patio Doors
24″ x 15′	5 - 24″ x 36″ Panes	4 Small Double-Hung	40 - 9″ x 12″	N/A
36″ x 15′	7 - 24″ x 36″ Panes	4 Small Double-Hung 2-4 Medium Double-Hung	60 - 9″ x 12″	2 - 36″ Panels
48″ x 15′	10 - 24″ x 36″ Panes	8 Small Double Hung 5-6 Medium Double Hung	80 - 9″ x 12″	2 - 48″ Panels

Weatherstripping

Tempered Glass Door Weatherstripping



Used for Butting Glass Doors

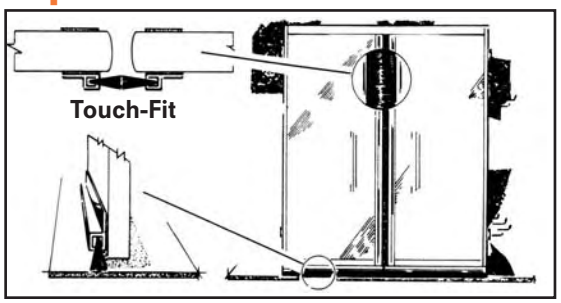


A simple means of closing the space between double-acting tempered glass doors. Inconspicuous and provides a safety feature by disclosing the presence of tempered glass doors.

UNIT PKG: ONE 8′ LENGTH. COLOR: CLEAR

STOCK NO.	Channel Width	UNIT PKG.
318-9566	1/2″	ONE LENGTH
318-9567	3/4″	ONE LENGTH

Tape-On Brush Door Seal

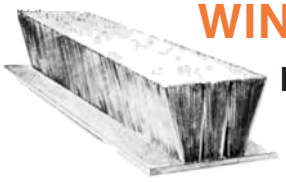


Double-sided tape attaches the metal brush seals to commercial glass doors. Special black nylon brush inserted into the sweep combines durability and energy loss prevention. Apply horizontally or vertically. The sealing of a door on the hinge side and head requires two sets. Sets include tape.

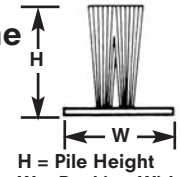
UNIT PKG: ONE SET OF TWO 84″ ALUMINUM SWEEPS

STOCK NO.	Channel Width	UNIT PKG.
318-5840	Aluminum Anodized	ONE SET
318-5841	Bronze Anodized	ONE SET

WINDO-PILE®



Polypropylene Backed



Replaces old pile stripping in doors and windows. Easy to install.

H = Pile Height
W = Backing Width

Water-resistant woven pile is unaffected by adverse weather. Seals without jamming and allows easy sliding action. Provides a thermal and noise barrier. Prevents dirt infiltration.

MEDIUM DENSITY PILE

STOCK NO.	Lgth.	Pile Ht.	Backing Width	UNIT PKG.
318-5891	100′	.200	.187	ONE ROLL
318-5890	1200′	.200	.187	ONE ROLL

HEAVY DENSITY PILE

STOCK NO.	Lgth.	Pile Ht.	Backing Width	UNIT PKG.
318-5893	100′	.200	.270	ONE ROLL
318-5892	800′	.200	.270	ONE ROLL

WINDO-PILE®

Polypropylene Backed with Adhesive



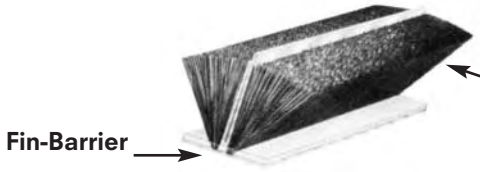
- **Reduces Heat and Energy Loss Around Windows and Doors**
- **Adhesive Backing Allows Press-on Installation**

Transfer-type pile weatherstrip is used when there is an absence of a retaining groove. To apply, just remove quick release paper and strong adhesive backing sticks tight. Used for a variety of applications, including the repair of old windows and doors to reduce rattles and noise.

STOCK NO.	Lgth.	Pile Ht.	Backing Width	UNIT PKG.
318-5895	100′	.200	.270	ONE ROLL
318-5894	700′	.200	.270	ONE ROLL

WINDO-FIN®

Center Fin Weatherseal



Designed with a solid center fin supported by polypropylene pile. Guarantees maximum draft protection for sealing prime and replacement windows, and sliding patio doors. Provides maximum resistance to air, water and dust. Will not shrink or deteriorate, and resists mold, mildew and corrosion.

STOCK NO.	Lgth.	Pile Ht.	Backing Width	UNIT PKG.
318-5831	100′	.250	.187	ONE ROLL
318-5833	100′	.240	.270	ONE ROLL

Double Glass Door

Pile Weatherstrip - Bull Nose Style





- **Energy Saver - Reduces Heat and Energy Loss Around Windows and Doors**
- **Seals Without Affecting Door or Window Operation**

Gray weatherstrip made of water-repellent pile, woven onto a polypropylene backing strip. Inserts easily into the pile channel of storefront doors. Keeps heated or cool air from escaping.

STOCK NO.	Lgth.	Pile Ht.	Backing Width	UNIT PKG.
318-5846	100′	.450	.350	ONE ROLL
318-5848	100′	.450	.437	ONE ROLL

Screen/Storm Door Closers and Signal

STANLEY® Air Controlled Closers for Wood and Metal Doors

- Fits Doors up to 1-3/8" Thick
- Adjustable Closing Speed With Hold Open Option



STOCK NO.	Description	Color	UNIT PKG.
318-4334	Standard Duty	Aluminum	ONE
318-4444	Light Duty	Black	ONE



STOCK NO.	Description	Color	UNIT PKG.
318-4133	Shock Absorber Model	Aluminum	ONE



STOCK NO.	Description	Color	UNIT PKG.
318-4134	Heavy Duty	Black	ONE



STOCK NO.	Description	Color	UNIT PKG.
318-4135	Chain Doorstop	Zinc Plate	ONE

Protective Push Bar



Sturdy bar can be mounted on all types of storm, jalousie, screen doors and windows to protect against damage to glass or screens. Made of heavy duty 5/8" dia. aluminum tubing.

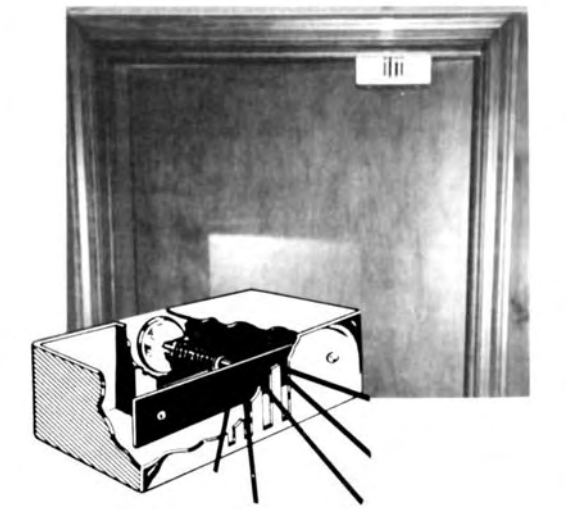
STOCK NO.	Finish	Length	UNIT PKG.
318-1440	White	39"	ONE DEVICE

E-Z TONE Chimed Door Entry and Exit Signal

For Installation on In-Swing or Out-Swing Doors

Pleasant Audible Signal Tone





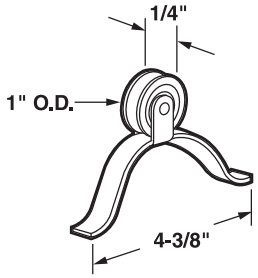
- No Batteries
- No Electricity
- Silencer to Shut Off Sound

This unique American-made chime is a must for every business entrance. No electricity or batteries are needed and installation takes place in a few minutes. A clear and pleasant tone is emitted when a door is opened, as a magnetic striker hits the chime bar. It makes employees and guests instantly aware of a visitor's presence.

Made of durable vinyl, signal is not only economical in price, but is trouble free in operation. No complex gadgetry to adjust or repair. All mounting templates and operating instructions come packed inside the chime. They fit all types of doors and jambs; steel, aluminum and wood.

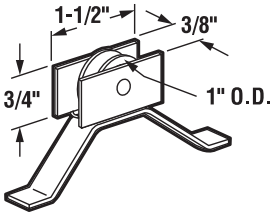
STOCK NO.	Finish	Size	Weight	UNIT PKG.
318-7200	Lt. Gray	9-3/8"	8 oz.	ONE
318-7201	Bronze	9-3/8"	8 oz.	ONE

Sliding Screen Door Rollers



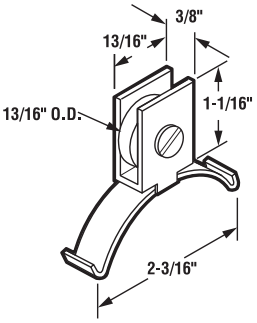
1" diameter wheel with center groove; heat treated, high tension steel spring .

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1520	Steel Ball Bearing	1144-B	2



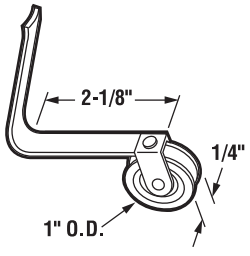
1" diameter wheel with center groove; aluminum housing, heat treated, high tension steel spring. Can be used as top or bottom roller - fits on Keller and other doors.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1522	Steel Ball Bearing	112194	2



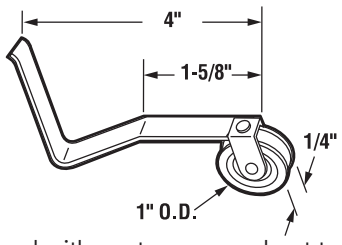
3/16" diameter flat nylon wheel, nylon housing. High tension steel spring, aluminum axle. Can be used as a top or bottom roller on Croft and other doors.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1518	Nylon	111970	2



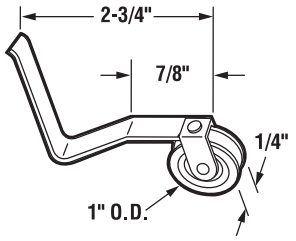
1" diameter wheel with center groove; heat treated, high tension steel spring.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1524	Nylon	1140	2
347-1141	Steel Ball Bearing	1140-B	2



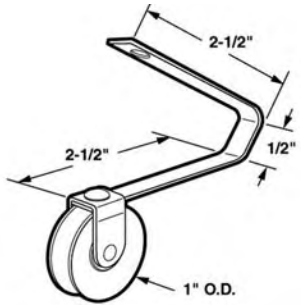
1" diameter wheel with center groove; heat treated, high tension steel spring.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1526	Nylon	1108	2
347-1108	Steel Ball Bearing	1108-B	2



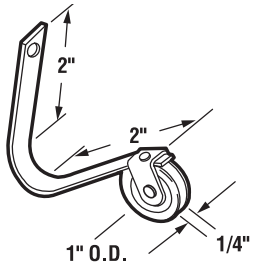
1" diameter wheel with center groove; heat treated, high tension steel spring.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1528	Nylon	11516	2
347-1516	Steel Ball Bearing	11516-B	2



1" diameter wheel with center groove; heat treated, high tension steel spring.

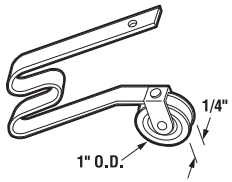
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1530	Nylon	112111	2
347-1532	Steel Ball Bearing	112112	2



1" diameter wheel with center groove; heat treated, high tension steel spring.

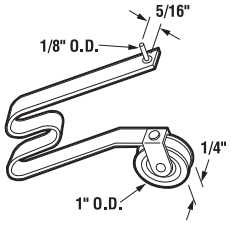
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1199	Nylon	11597	2
347-1534	Steel Ball Bearing	11597-B	2
347-1536	Nylon Ball Bearing	112200	2

Sliding Screen Door Rollers



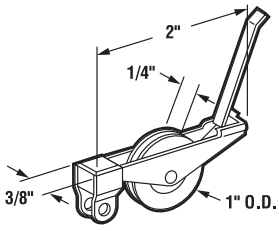
1" adjustable, wheel with center groove; heat treated, high tension steel spring; used by several patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
346-3065	Nylon	1109	2
347-1109	Steel Ball Bearing	1109-B	2
347-6837	Nylon	112137	2
347-6838	Nylon Ball Bearing	111766	2



1" adjustable, wheel with center groove; heat treated, high tension steel spring; 1/8" locator pin holds roller in fixed position; used by several patio door manufacturers.

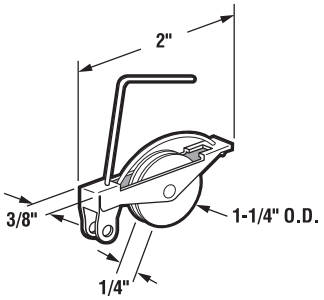
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6839	Nylon	111730	2
347-6840	Steel Ball Bearing	111731	2



No. 347-6841 Shown

Wheel with center groove; steel housing; heat treated, high tension steel spring; used a a top and bottom roller.

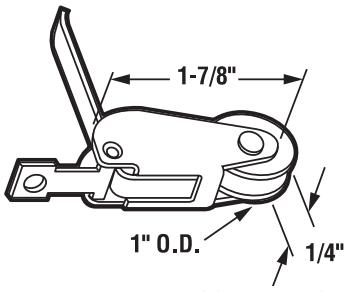
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6841	1" Nylon	111825	2
347-6842	1-1/4" Nylon	111769	2



No. 346-4005 Shown

Wheel with center groove; steel housing; heat treated, high tension steel spring; used as a top and bottom roller.

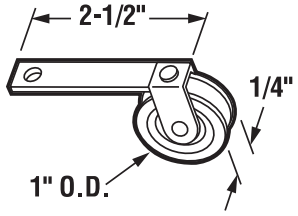
STOCK NO.	Type	Mfr. #	UNIT PKG.
346-4005	1-1/4" Nylon	11118	2
347-6844	1" Nylon	11101	2
346-4001	1" Steel Ball Bearing	11101-B	2



No. 346-3014 Shown

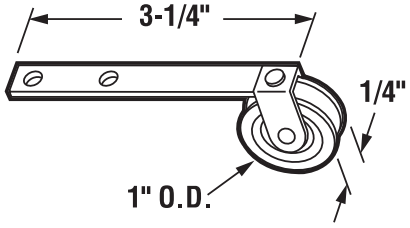
Wheel with center groove; steel housing; heat treated, high tension steel spring; used as a top and bottom roller.

STOCK NO.	Type	Mfr. #	UNIT PKG.
346-3014	1" Nylon	11314	2
347-6846	1" Steel Ball Bearing	11749	2
347-3016	1-1/4" Nylon	11930	2



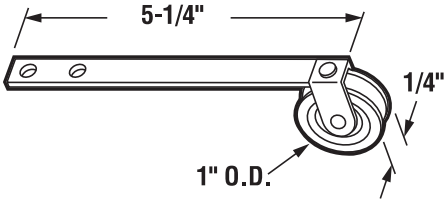
1" wheel with center groove; heat treated, high tension steel spring.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1186	Nylon	1186	2
346-3067	Steel Ball Bearing	1186-B	2



1" wheel with center groove; heat treated, high tension steel spring.

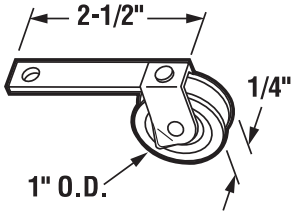
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1195	Nylon	1147	2
347-1196	Steel Ball Bearing	1147-B	2



1" wheel with center groove; heat treated, high tension steel spring.

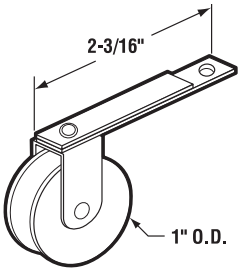
STOCK NO.	Type	Mfr. #	UNIT PKG.
346-3066	Nylon	1148	2
347-1148	Steel Ball Bearing	1148-B	2

Sliding Screen Door Rollers



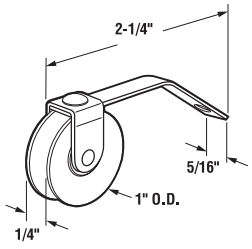
1" wheel with center groove; heat treated, high tension steel spring; with angle stops.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6850	Nylon	112138	2
347-6851	Steel Ball Bearing	112192	2



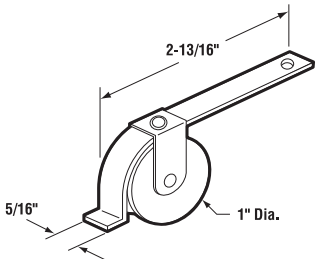
1" nylon wheel with center groove; heat treated, high tension steel spring; uses two or three springs to increase tension; used on doors by Academy Mfg. Co. and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6852	Double Spring	111757	2
347-6853	Triple Spring	112189	2



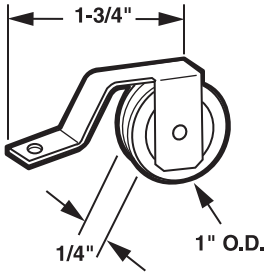
1" wheel with center groove; heat treated, flat, high tension steel spring; bent spring design; used on doors by Academy Mfg. Co. and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6854	Nylon	11666	2
347-6855	Steel Ball Bearing	11666-B	2
347-6856	Nylon Ball Bearing	112198	2



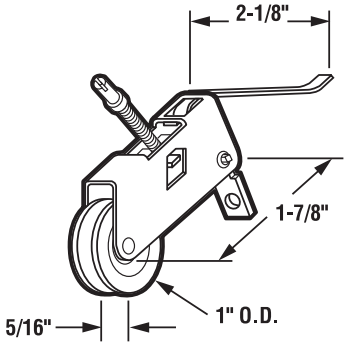
Heat treated, high tension steel spring; used on 1" nylon wheel with center groove; Used on doors by Academy Mfg. Co. and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6857	Nylon	112196	2



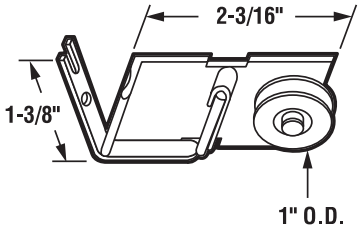
1" wheel with center groove; heat treated, high tension steel spring; used on doors by Metal Industries and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1181	Nylon	11960	2
347-1182	Steel Ball Bearing	11960-B	2



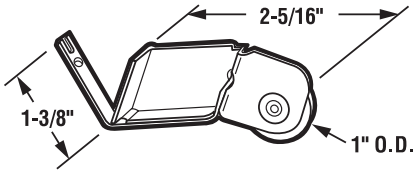
1" adjustable nylon wheel with center groove; steel housing; heat treated, high tension steel spring.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6861	Nylon	11122	2



1" extruded aluminum housing, with steel spring; adjustable wheel with center groove.

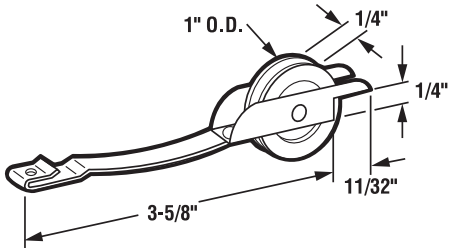
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6862	Nylon	112209	2
347-6863	Steel Ball Bearing	112201	2



1" stamped aluminum housing, with steel spring; adjustable wheel with center groove. Used on International series plus others.

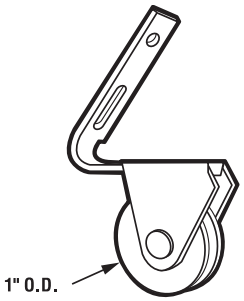
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6864	Nylon	11123	2
347-6865	Steel Ball Bearing	112060	2

Sliding Screen Door Rollers



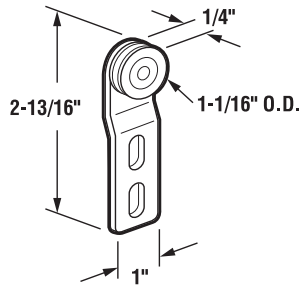
1" center grooved wheel with steel housing; high tension steel spring; used on Columbia Uni-Fit doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6866	Nylon	111437	2
347-6867	Steel Ball Bearing	112206	2



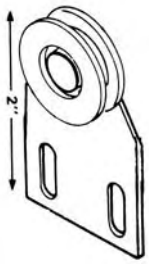
1" nylon wheel with center groove with steel housing; heat treated; high tension steel spring.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1180	Nylon	111085	2



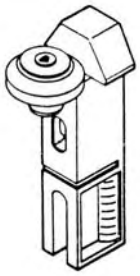
1" top hung; steel bracket with center groove steel ball bearing wheel; fits on Premier doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6911	Steel Ball Bearing	1141	2



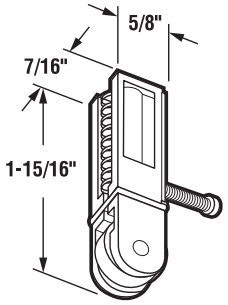
1" top hung; aluminum bracket, steel ball bearing wheel with center groove; fits on Fullview doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1145	Steel Ball Bearing	1145-B	2



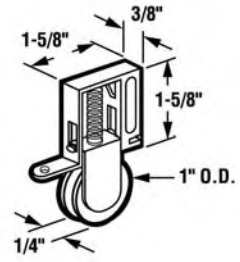
Top hung; nylon housing with oval edge nylon ball bearing wheel; built-in guide; fits on HiLite doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6868	Nylon	1168	2



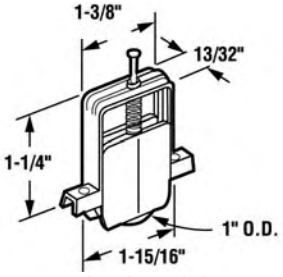
Bottom mount; nylon bracket with flat edge, nylon wheel; fits on HiLite doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6869	Nylon	1169	2



1" nylon housing and yoke; wheel with center groove; spring activated; fits as top and bottom roller on Academy Uni-Fit doors and others.

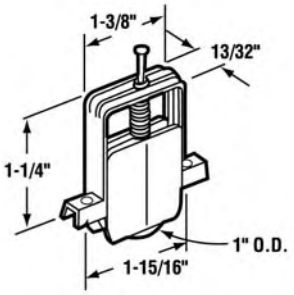
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6870	Nylon	111919	2
347-6871	Steel Ball Bearing	11433	2



1" nylon ball bearing wheel and housing with adjustable nylon yoke.

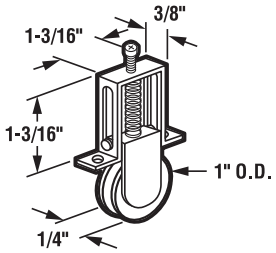
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6872	Nylon	112140	2

Sliding Screen Door Rollers



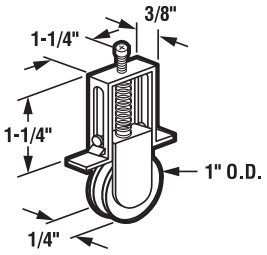
1" wheel with center groove; has thinner nylon housing than 112140; fits on doors by Columbia and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6873	Nylon	111684	2
347-6874	Steel Ball Bearing	112423	2



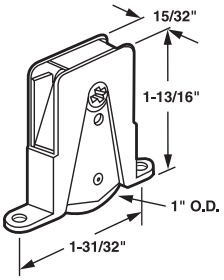
1" aluminum frame with nylon inner housing; adjustable; center grooved wheel; used as top and bottom roller on Columbia doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6875	Nylon	11434	2
347-6876	Steel Ball Bearing	11658	2



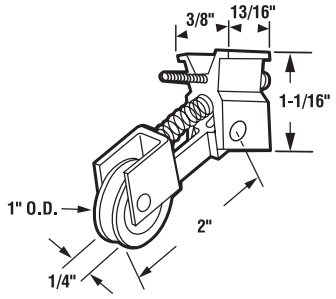
1" nylon main frame assembly; adjustable; nylon inner housing with center grooved wheel; used on top and bottom roller.

STOCK NO.	Type	Mfr. #	UNIT PKG.
346-3057	Nylon	11657	2
347-6877	Steel Ball Bearing	111218	2



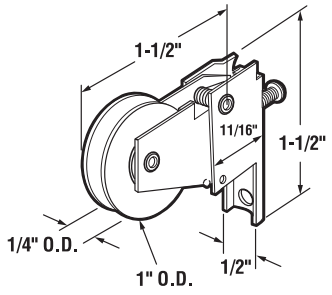
1" nylon outer housing, aluminum inner housing with center grooved nylon wheel with adjustment cam.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6878	Nylon	111952	2



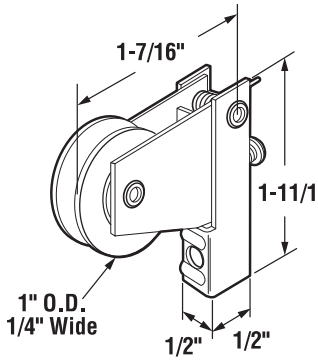
1" extruded aluminum housing, nylon wheel with narrow center groove; with adjusting screw; used on doors by Miller doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6879	Nylon	112021	2



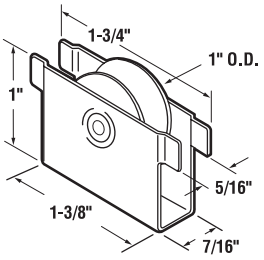
1" adjustable, steel housing; ball bearing wheel with center groove; spring activated; used on doors by Pacesetter and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6880	Nylon	112022	2



1" steel housing with nylon wheel; spring activated; used on doors by Peachtree and others.

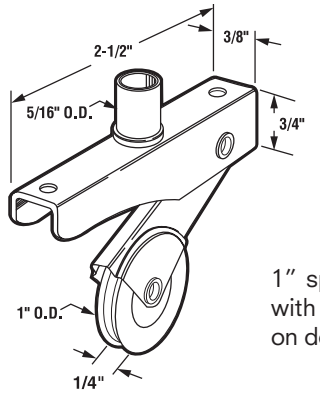
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6881	Nylon	112127	2



1" steel housing; wheel with center groove; bottom roller on Empire and Better-Bilt adjustable sliding screen doors and others.

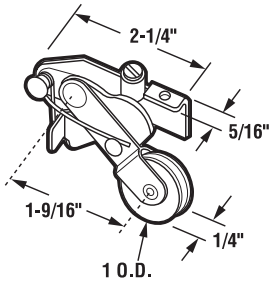
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6912	Steel Ball Bearing	11668	2

Sliding Screen Door Rollers



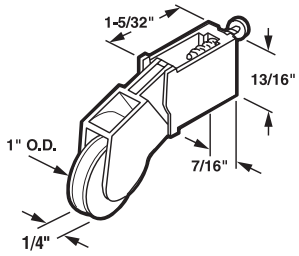
1″ spring loaded, steel housing with top adjustable screw; used on doors by Bay-Mills and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6882	Steel	111872	2



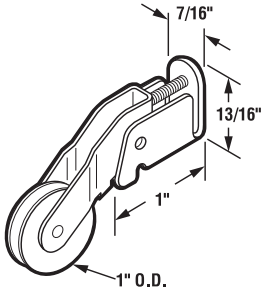
1″ adjustable; aluminum housing; wheel with center groove; spring activated; adjustment screw and aluminum sleeve.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6883	Nylon	111879	1
347-6884	Steel Ball Bearing	112195	1



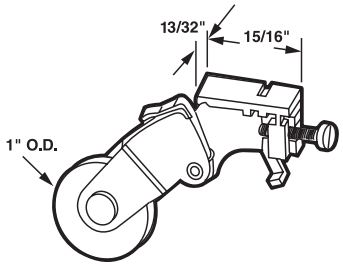
1″ adjustable, nylon housing; wheel with center groove; Peachtree doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
346-3070	Nylon Ball Bearing	111370	2



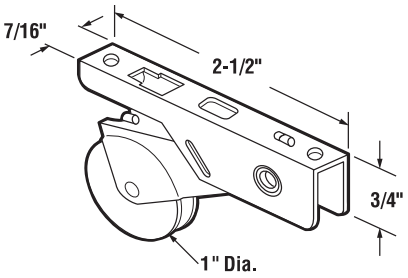
1″ adjustable steel housing; steel ball bearing wheel; Peachtree doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6886	Steel Ball Bearing	112142	2



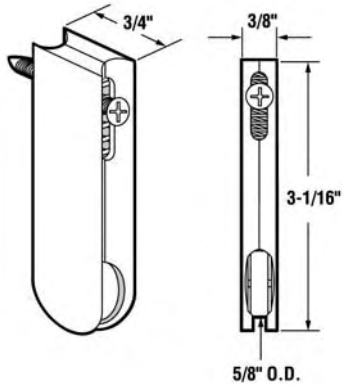
15/16″ nylon housing; center grooved; with adjustable aluminum yoke; used on doors by Metal Industries and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6887	Nylon	111770	2
347-6913	Steel Ball Bearing	111870	2



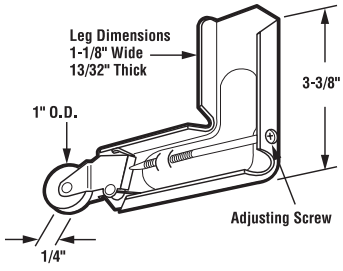
1″ stainless steel housing; with steel center grooved wheel; spring activated; adjusting screw; used on doors by Metal Industries and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6889	Steel Ball Bearing	112191	2



5/8″ nylon housing and flat nylon wheel; with steel spring; used on Weathershield doors and others.

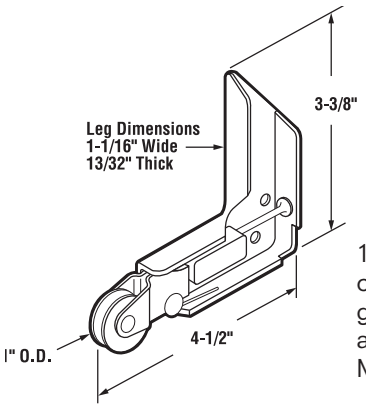
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6890	Nylon	112040	2



1″ stamped aluminum corner; center grooved nylon wheel; adjusting screw; used on doors by Jim Walters and others.

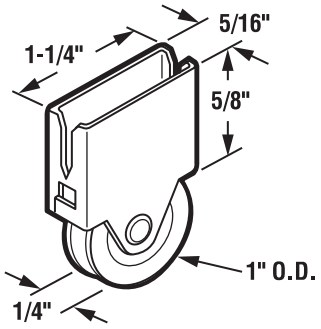
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6891	Nylon	111136	2

Sliding Screen Door Rollers



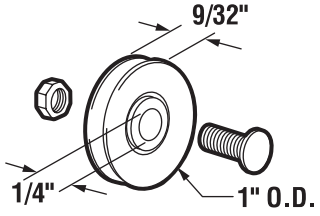
1″ stamped galvanized steel corner housing with center-grooved nylon wheel; spring activated; used on doors by Metal Industries and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6892	Nylon Wheel	11748	2



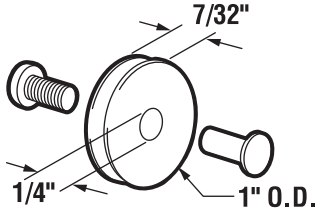
1″ stamped steel housing; grooved wheel; a replacement roller insert for existing corner assemblies.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6893	Nylon	111452	2
347-6894	Steel Ball Bearing	111486	2



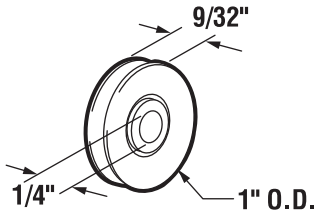
1″ steel ball bearing roller; with 1/4″ hole; center grooved; used by many door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6895	Steel Ball Bearing	111894	2



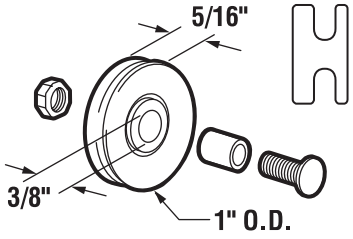
1″ nylon wheel with narrow center groove.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6896	Nylon Wheel	11116	2



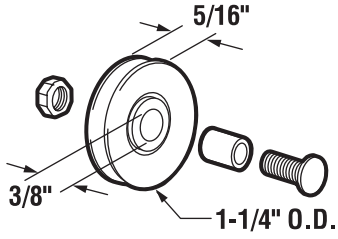
1″ center grooved nylon roller; used by many door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
346-3062	Nylon	11117	2



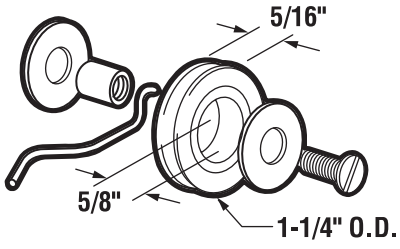
1″ nylon wheel with narrow offset groove; nylon bushing; bottom mount.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1120	Nylon Wheel	1120	2



1-1/4″ nylon wheel wheel with nylon bushing; bottom mount.

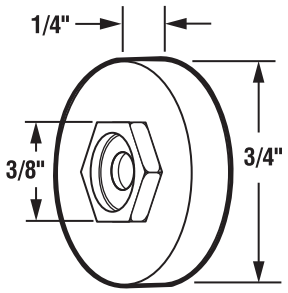
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6898	Nylon	1125	2



1-3/8″ adjustable, nylon wheel with wide center groove; spring loaded.

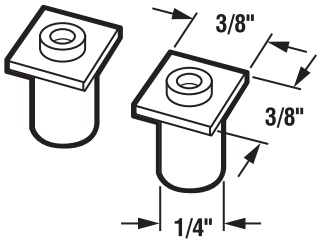
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6899	Nylon	11115	2

Sliding Screen Door Rollers



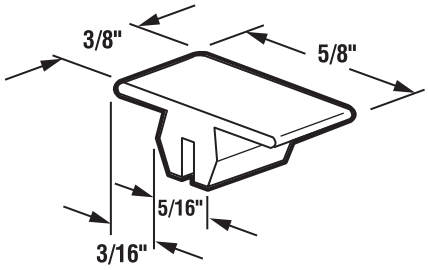
Threaded hex hub; 3/4" flat nylon ball bearing wheel; Croft /Keller doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6900	Nylon Ball Bearing	111492	2



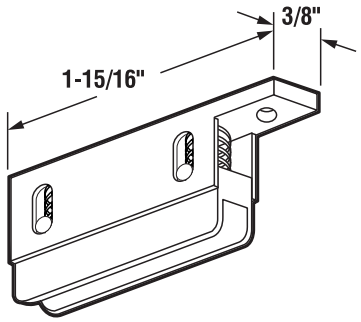
Adjustment screws and sleeves used on Anjac style spring tension rollers; 7/16" length under head.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6901	Nylon	11649	2



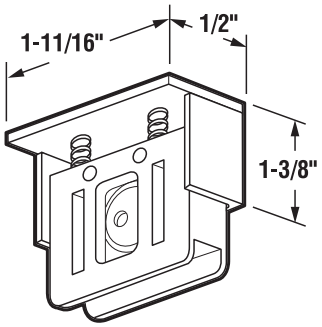
Plastic guide; acts as guide and anti-rattle device; used by many door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6902	Top Guide	1112	2



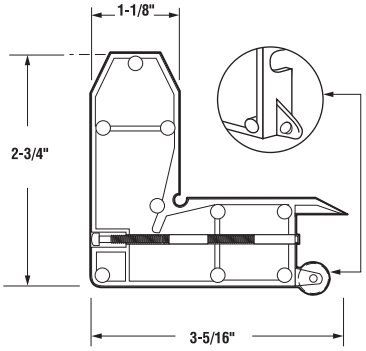
Nylon spring loaded assembly; bottom mount; used on Ador doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6903	Bottom Guide	1113	2



Bottom mount; aluminum housing with nylon spring loaded guide; Ador "Z" and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6904	Bottom Guide	1115	2



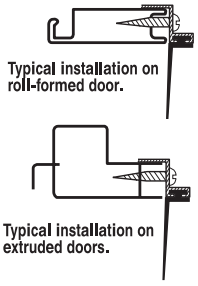
Diecast plain finish with adjustment screw; for 45° miter cut door design; used by many door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6905	Guide	11556	2

UNI-FIT BUG SEAL

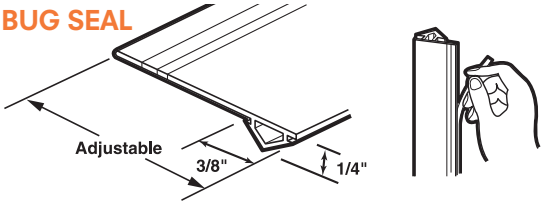
Clear or black anodized aluminum molding; 1-1/4" strips you can tear to desired size; pre-punched for screw; easy to install to both roll-formed or extruded door frames.





STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6906	Clear - 84"	B-613	5
347-6907	Clear - 96"	B-614	5
347-6908	Black - 84"	B-615	5
347-6909	Black - 96"	B-616	5

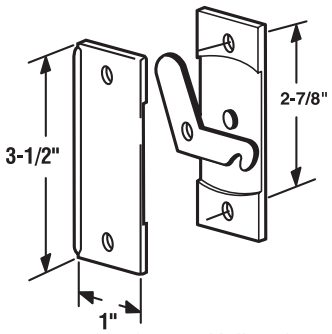
UNI-FIT BUG SEAL



Vinyl flap has tear strips to adjust width from 7/8" to 1-3/8", flexible; seals against insects.

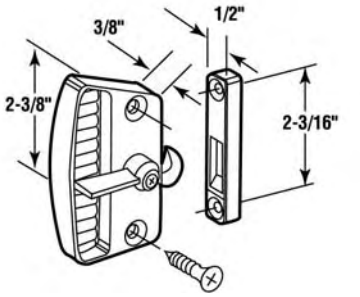
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6910	7' - Black Vinyl	112143-7	1

Sliding Screen Door Handles and Latches



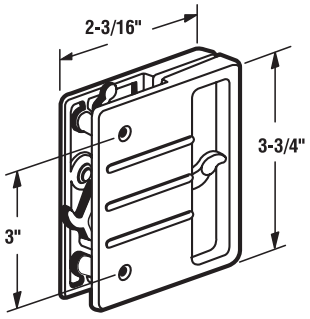
Non-handed; surface mount; fits on Keller doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6529	Plastic Latch	12138	1



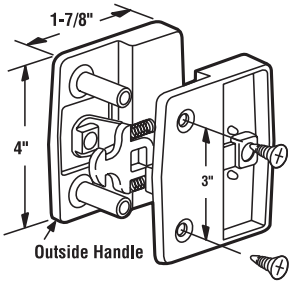
Non-handed; surface mount; used by many manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6530	Diecast (Chrome)	1281	1
347-6531	Diecast (Black)	1281-B	1



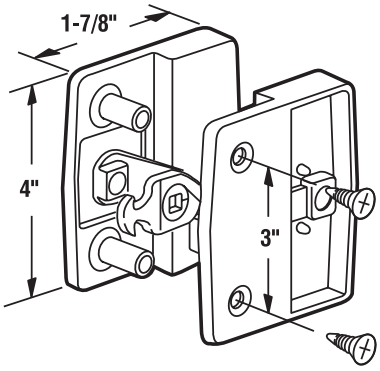
Non-handed; complete with security lock; mortise installation; fits on Anjac doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6532	Plastic Latch & Pull (Black)	12324	1



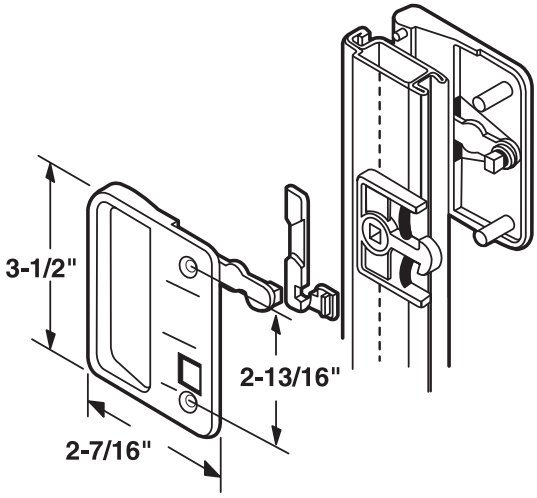
Non-handed; complete with security lock; mortise installation; plastic assembly; used on Columbia doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6533	Plastic Latch & Pull (Black)	12550	1



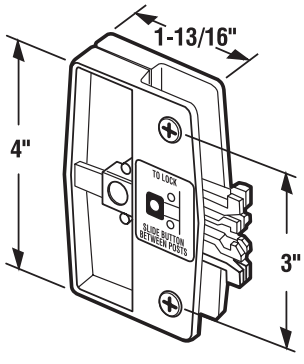
Non-handed; complete with security lock; mortise installation; plastic assembly; used on Columbia doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6534	Latch & Pull w/ Security Latch (Black)	121327	1



Non-handed; complete with security lock; mortise installation; plastic assembly; used on doors by several door manufacturers, including Northrup Arch, Fran Meyer doors and others.

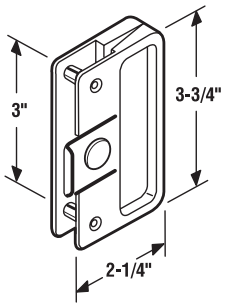
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6535	Latch & Pull (Plastic)	12609	1



Non-handed; complete with security lock; mortise installation; used on Columbia/Sternco doors and others.

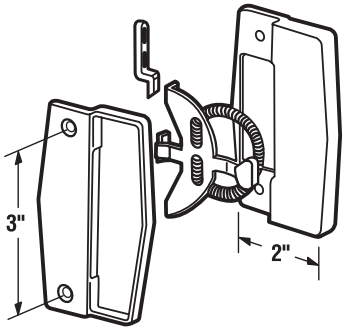
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6536	Latch & Pull (Plastic)	121685	1

Sliding Screen Door Handles and Latches



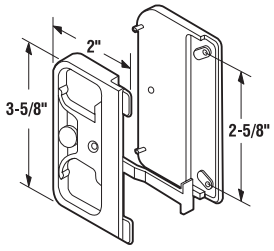
Non-handed; automatic latching feature; fits on Rolleze screen doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6537	Plastic Latch & Pull (Black)	12952	1



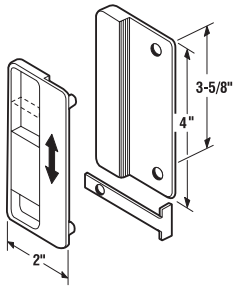
Non-handed; mortise installation; fits on Academy, Better-Bilt and other door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6538	Latch & Pull (Black)	121799	1



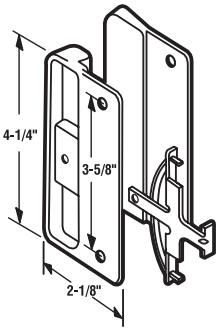
Non-handed; mortise installation; used by several door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6539	Latch & Pull (Black)	121740	1



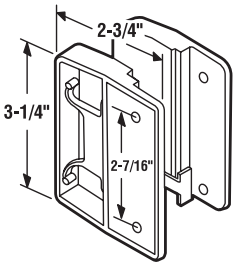
Non-handed; mortise installation; sliding activator; fits on Jim Walters sliding roll-formed screen doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6540	Latch & Pull (Black)	121803	1



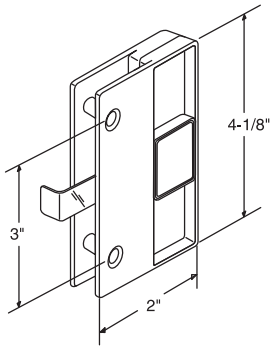
Non-handed; mortise installation; sliding activator; fits on Jim Walters sliding roll-formed screened doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6544	Latch & Pull	121087	1



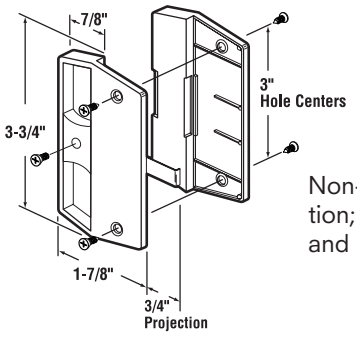
Non-handed; used on roll-formed aluminum or steel screen door; used by several door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6541	Latch & Pull (Black)	121732	1



Non-handed; mortise installation; new style fits on Columbiamatic doors and others.

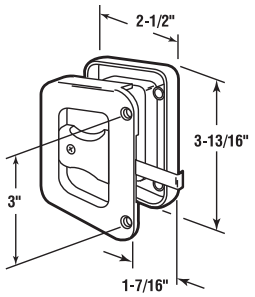
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6542	Latch & Pull (Black)	122083	1



Non-handed; mortise installation; used on 1/2" extruded and roll-formed doors.

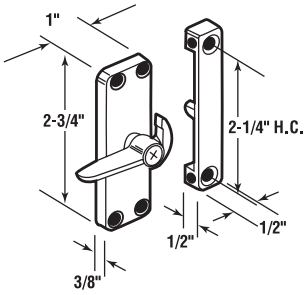
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6543	Latch & Pull (Black)	121997	1

Sliding Screen Door Handles and Latches



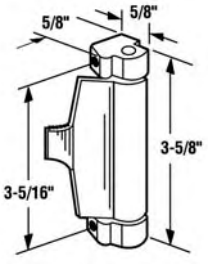
Non-handed; mortise style latch; fits on Hat Section doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6545	Latch & Pull (Black)	122088	1



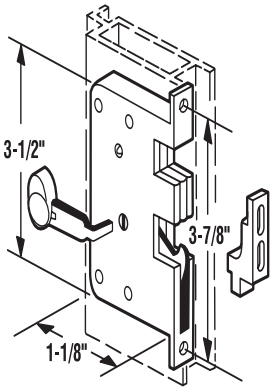
Surface mount latch; side or face mount strike; can be used on single or double sliding doors; extremely versatile.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6546	Latch - Diecast Chrome Right-Handed	1233-R	1



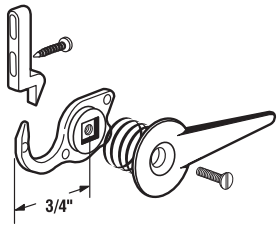
Non-handed; spring activated aluminum flip latch; black plastic housing; no strike required; vertically adjustable; fits on Ador HiLite screen doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6547	Latch (Aluminum)	1270	1



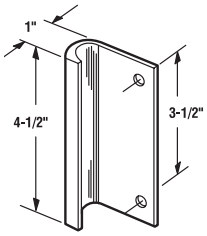
Non-handed; mortise installation; used by several patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6548	Plastic Latch	12137	1



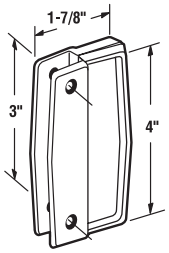
Diecast assembly; non-handed; mortise installation; used by several manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6549	Latch Kit Medium Hook - 3/4"	1293	1



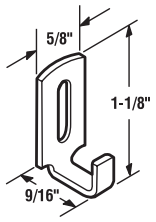
Heavy duty unit to be used as inside or outside pull; surface mount; ideal secondary pull for children.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6550	Pull - Anodized Alum.	12113	1



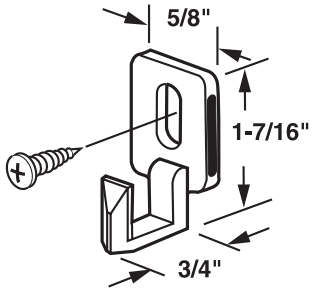
Non-handed; surface mount; economy pulls, plastic assembly.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6551	Pull Set (Plastic)	12209	1



Used by many door manufacturers.

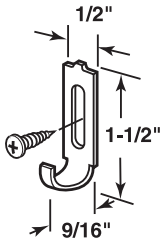
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6552	Latch Strike	12321	1



Diecast strike; used by many door manufacturers.

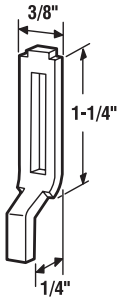
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6553	Latch Strike	121751	1

Sliding Screen Door Handles and Latches



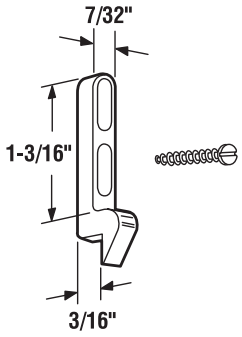
Stamped steel strike; fits on Columbia doors and others.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6554	Latch Strike	12713	1



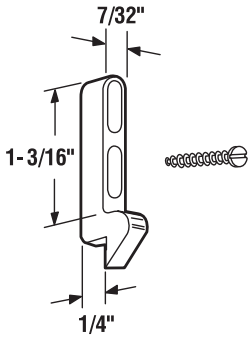
Adjustable; used by many patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6555	Latch Strike	121090	1



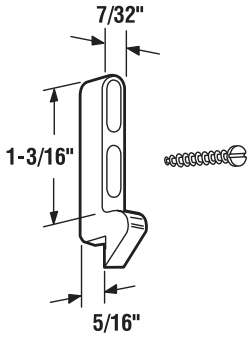
Adjustable; used by many patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
346-3042	Latch Strike (Narrow)	1207-N	1



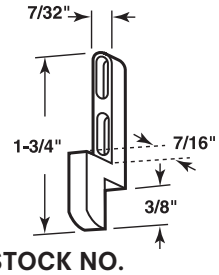
Adjustable, used by many patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6556	Latch Strike (Medium)	1207-M	1



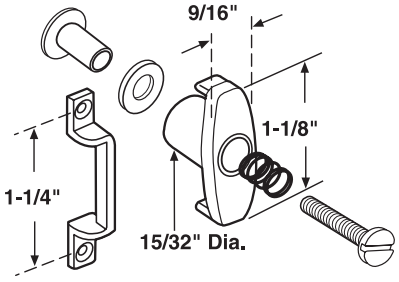
Adjustable, used by many patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
346-3041	Latch Strike (Wide)	1207-W	1



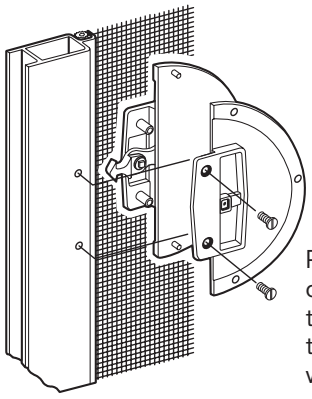
Extra large hook-end strike; used by many patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6557	Latch Strike (Heavy Duty)	121996	1



Non-handed; surface mount kit includes; additional washer and binder post nut to be used if original threaded nut in door stile has become worn; package insert illustrates how to drill out old nut and re-attach new replacement handle.

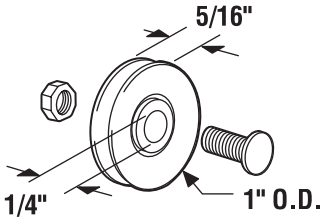
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6558	Door Latch Kit	121236	1



Protects area around screen door handle; easy, snap together installation; no tools required; works well with most assemblies.

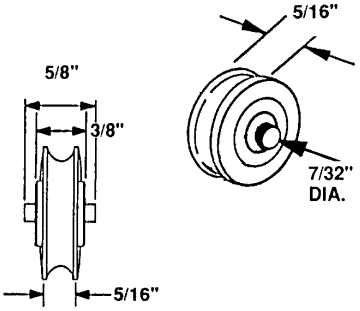
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6559	Screen Shield (Plastic)	12801	1

Sliding Patio Door Rollers & Accessories



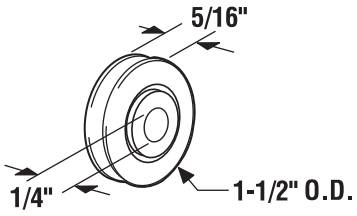
Steel ball bearing roller; steel inner race with 1/4" hole; center grooved; universal design.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1219	Roller 1" (Steel)	1328	2
347-1220	1-1/8"	131895	2
347-1221	1-1/4"	1326	2



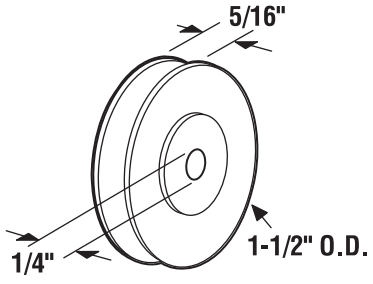
Ball bearing roller; built-in axle; center grooved; universal design.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1222	Roller 1-1/4"	131972	2
347-1223	1-1/2" (Steel)	131905	2



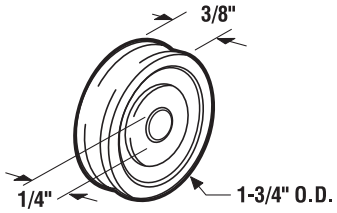
Steel ball bearing roller; steel inner race with 1/4" hole; center grooved; universal design.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1224	Roller (Steel)	13126	2



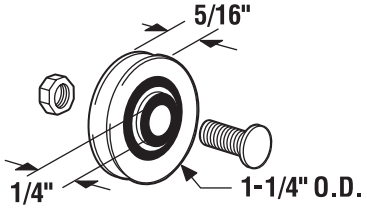
Nylon ball bearing roller; steel inner race with 1/4" hole; center grooved; universal design.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1154	Roller (Nylon)	13562	2



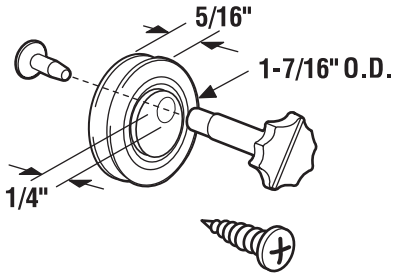
Nylon ball bearing roller; steel inner race with 1/4" hole; center grooved; universal design.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1225	Roller (Nylon)	132269	2



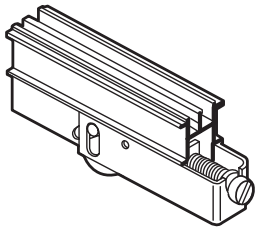
Nylon ball bearing roller; steel inner race with 1/4" hole; center grooved; universal design.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1226	Roller 1-1/4" (Nylon)	1324	2

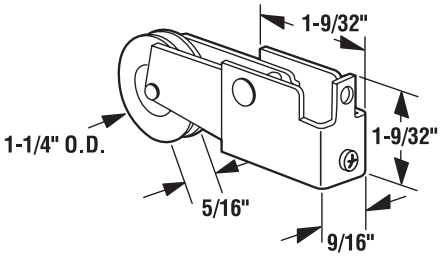


Nylon ball bearing roller; steel inner race with 1/4" hole for vertical adjustment; universal design.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1329	Roller (Nylon)	13294	2

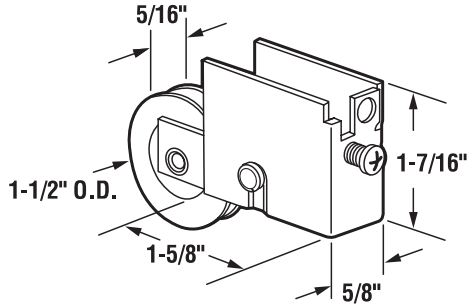


Steel ball bearing roller; adjustable steel housing assembly; fits on Sun Valley, Fullview/Glasco and other patio door manufacturers.



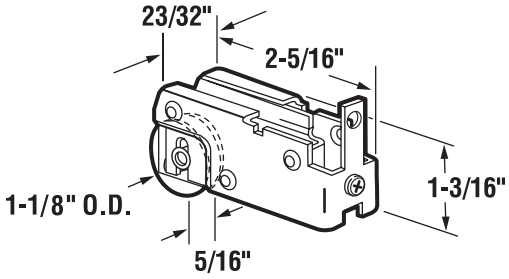
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1228	Roller Assembly	13173-S	1

Sliding Patio Door Rollers & Accessories



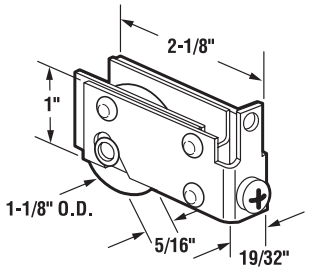
Nylon ball bearing roller; adjustable steel housing assembly; used by several door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1150	Roller Assembly	13336	1



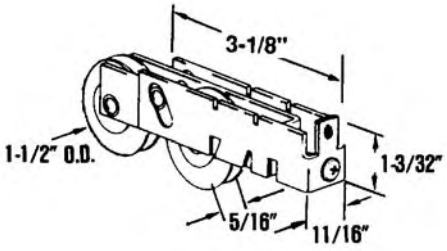
Steel ball bearing roller; adjustable steel housing assembly; used by several patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1229	Roller Assembly	131847	1



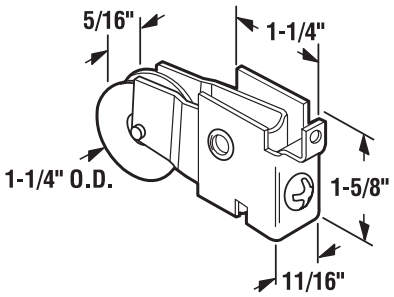
Steel ball bearing roller; adjustable steel housing assembly; fits on Viking and other patio door manufacturers.

STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1230	1-1/8" (Steel)	131818	1
347-1310	1-1/4" (Steel)	131295	1



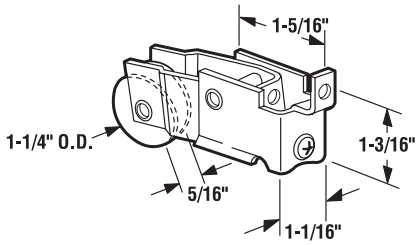
Tandem ball bearing roller; adjustable steel housing assembly; fits on Fleetwood and other patio manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1231	Tandem Roller Assembly (Nylon)	132279	1



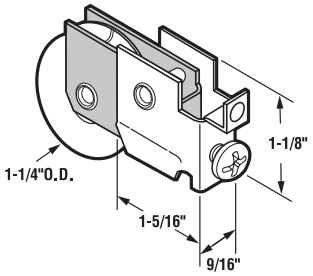
Nylon ball bearing roller; adjustable steel housing assembly; fits on Starlite, Doormaster and other patio door manufacturers.

STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1232	1-1/4"	132270	1
347-1233	1-1/2"	13170	1



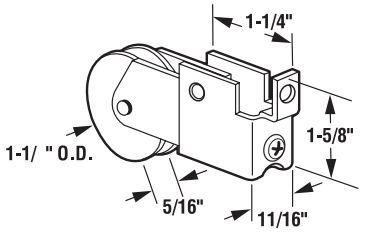
Adjustable steel housing assembly; fits on Christian Porter and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6010	Roller Assembly Steel Ball Bearing	13164	1



Steel ball bearing roller; adjustable steel housing assembly; used by several door manufacturers.

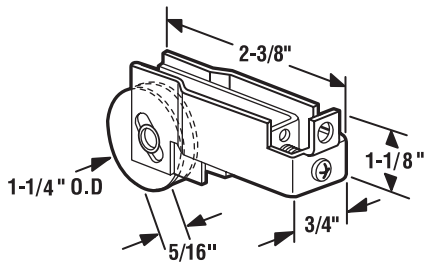
STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1234	1-1/4"	131980	1
347-1235	1-1/2"	132597	1



Steel ball bearing roller; adjustable steel housing assembly; used by several patio door manufacturers.

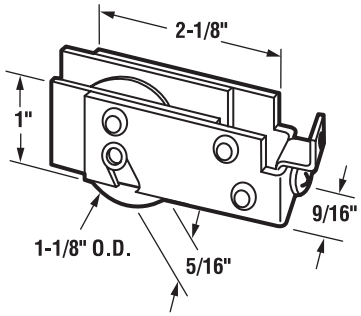
STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1236	1-1/4"	132280	1
347-6017	1-1/2"	13178	1

Sliding Patio Door Rollers & Accessories



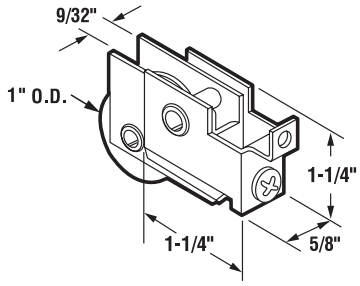
Steel ball bearing roller; adjustable steel housing assembly; fits on Christian Porter, Fullview and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6014	Roller Assembly	13171	1



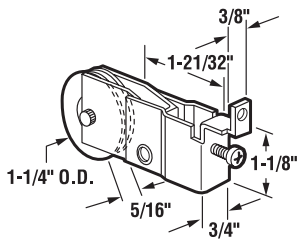
Steel ball bearing roller; adjustable steel housing assembly; used by several patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1308	Roller Assembly	13394	1



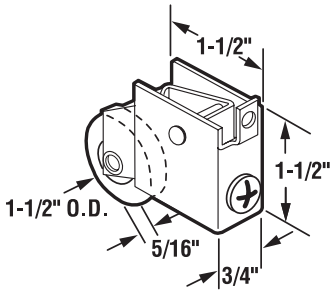
Steel ball bearing roller; adjustable steel housing assembly, used by several patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6034	Roller Assembly	131294	1



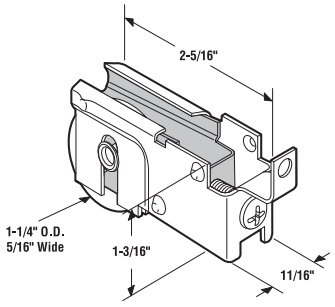
Nylon ball bearing roller; adjustable steel housing assembly; replaces old style die-cast assembly; fits on Ador/Lite and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1238	Roller Assembly	13134	1



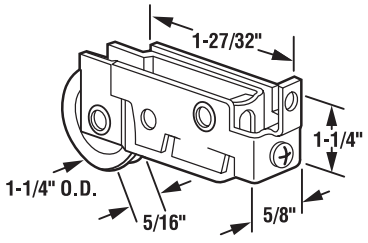
Steel ball bearing roller; adjustable steel housing assembly; fits on Hollyview and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1239	Roller Assembly	13128	1



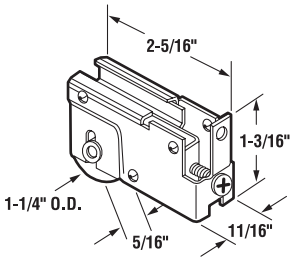
Ball bearing roller; adjustable steel housing assembly; fits on Northrop and other door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1240	Roller Assembly (Steel)	13182	1



Steel ball bearing roller; adjustable steel housing assembly; used by several patio door manufacturers; will replace old style Cupples door roller.

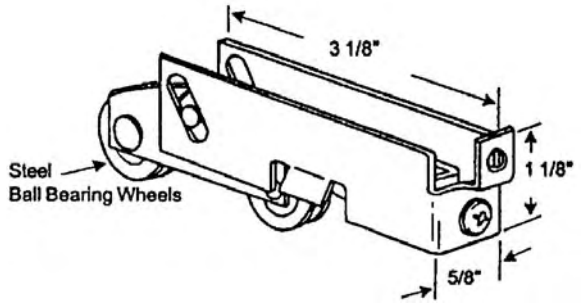
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6049	Roller Assembly (1-1/4") Steel	13169	1



Nylon ball bearing roller; adjustable steel housing assembly; fits on Lupton and other patio door manufacturers.

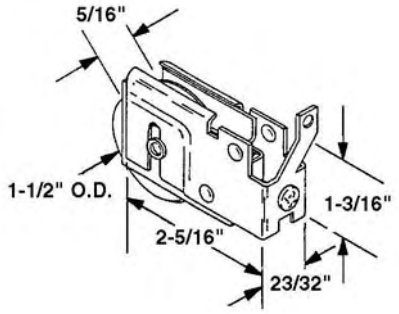
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1241	Roller Assembly	131848	1

Sliding Patio Door Rollers & Accessories



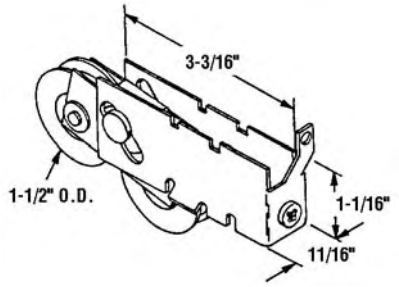
Tandem steel ball bearing rollers; adjustable steel housing assembly; fits on Guaranteed Products and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1242	Tandem Roller Assembly (1-1/4")	131279	1



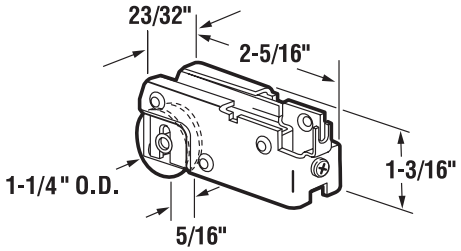
Nylon ball bearing roller; adjustable steel housing assembly.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1243	Roller Assembly	131914	1



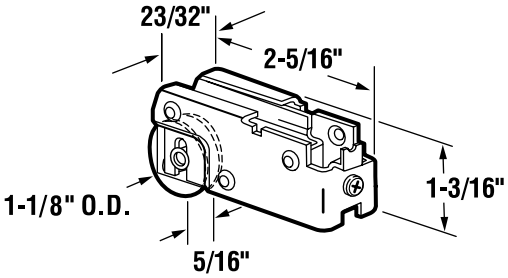
Tandem nylon ball bearing rollers; adjustable steel housing assembly.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1244	Roller Assembly	131953	1



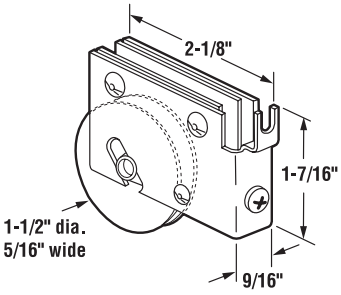
Steel ball bearing roller; adjustable steel housing; fits on Pacific and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1245	Roller Assembly	131846	1



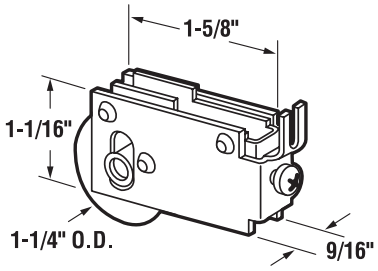
Steel ball bearing roller; adjustable steel housing assembly; fits on Solar Ind., and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1311	Roller Assembly	13563	1



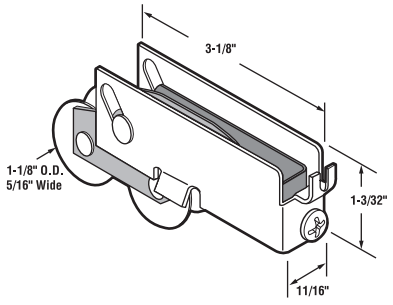
Ball bearing roller; adjustable steel housing assembly; fits on Window Master and other patio door manufacturers.

STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1246	(1-1/2") Steel	131305	1
347-1247	(1-1/2") Nylon	132108	1



Ball bearing roller assembly; adjustable steel housing; fits on Ador/HiLite on the high-rise.

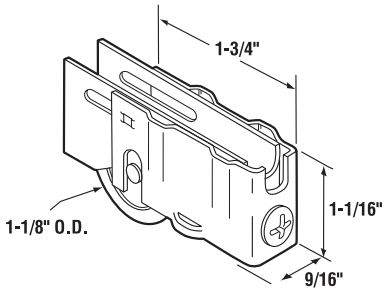
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1248	Roller Assembly (Steel)	13811	1



Tandem ball bearing roller; adjustable steel housing assembly; fits on Pacific and others.

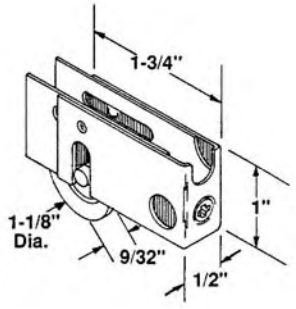
STOCK NO.	Tandem Roller	Mfr. #	UNIT PKG.
347-1249	(1-1/8") Steel	13841	1
347-1250	(1-1/4") Steel	131802	1

Sliding Patio Door Rollers & Accessories



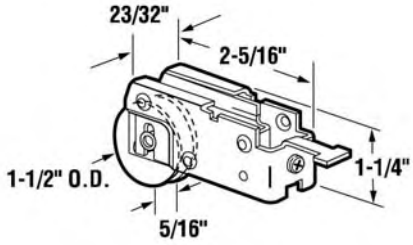
Steel ball bearing roller; adjustable steel housing assembly; fits on several patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1251	Roller Assembly	131455	1



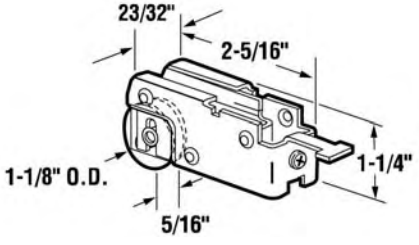
Steel ball bearing roller; adjustable steel housing assembly; fits on Better-Bilt and other manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1252	Roller Assembly	132320	1



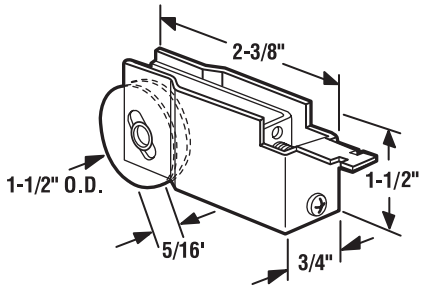
Ball bearing roller; adjustable steel housing assembly; fits on Marshall, and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1253	Roller Assembly (Steel)	131896	1



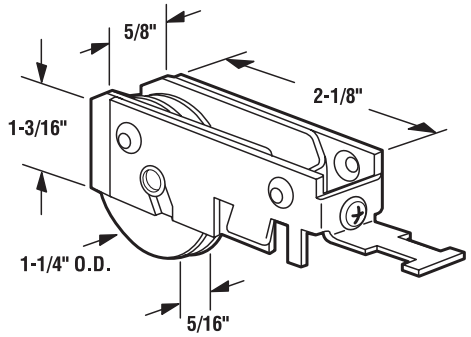
Ball bearing roller; adjustable steel housing assembly; used by several patio door manufacturers.

STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1255	(1-1/8") Steel	13181	1
347-1256	(1-1/4") Nylon	131280	1



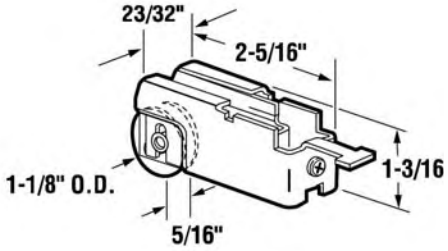
Nylon ball bearing roller; adjustable steel housing assembly; fits on Doormaster and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6075	Roller Assembly	13175	1



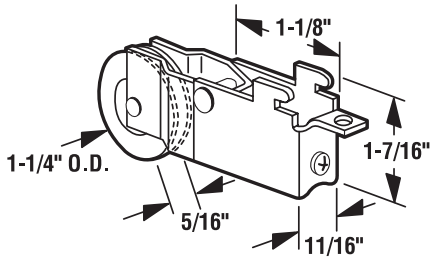
Ball bearing roller; adjustable steel housing; fits on International and other patio door manufacturers.

STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1257	Steel	13177-S	1
347-6016	Nylon	13177	1



Steel ball bearing roller; steel housing assembly; fits on T.M. Cobb and other patio door manufacturers.

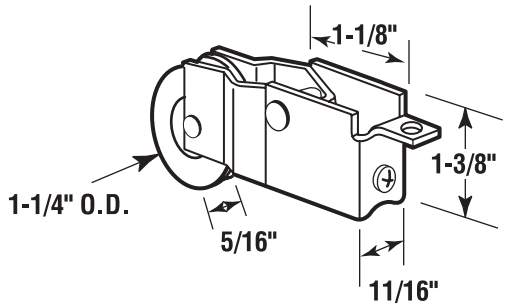
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1259	Roller Assembly	132271	1



Nylon ball bearing roller; adjustable steel housing assembly; used by several patio door manufacturers.

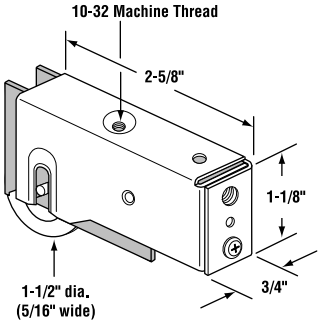
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1260	Roller Assembly	13176	1

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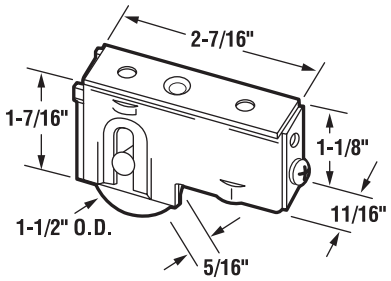
Nylon ball bearing roller; adjustable steel housings; fits on Rebco-West.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6025	Roller Assembly	13174	1



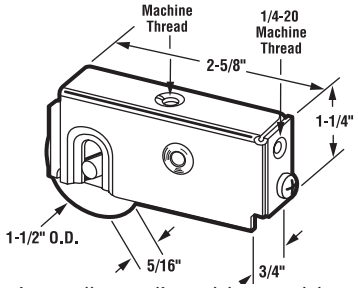
Ball bearing roller; adjustable steel housing assembly; fits on several manufacturers.

STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-6007	(1-1/2") Steel	13135	1
347-6028	(1-1/4") Steel	13135-1.25	1



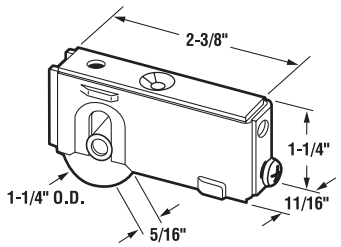
Ball bearing roller; adjustable steel housing assembly; fits on Fleetwood and other patio door manufacturers.

STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1262	(1-1/2") Steel	13728	1
347-1263	(1-1/4") Steel	131277	1



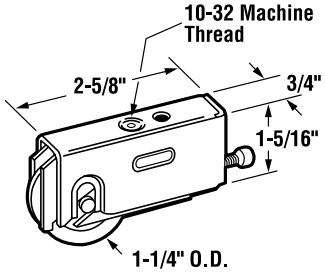
Steel ball bearing roller; adjustable steel housing assembly; fits on Daryl, Patio Magic and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1264	Roller Assembly	131479	1



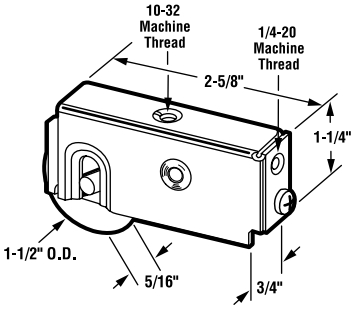
Steel ball bearing roller; adjustable steel housing assembly; fits on Blomberg and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1265	Roller Assembly	131911	1



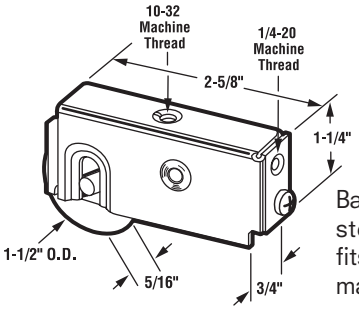
Ball bearing roller; adjustable steel housing. Used by many patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1266	Roller Assembly (Steel)	131476	1



Ball bearing roller; adjustable steel housing assembly; fits on Air Control, Howmet, Krestmark and many other patio door manufacturers. Stainless steel used in severe weather conditions.

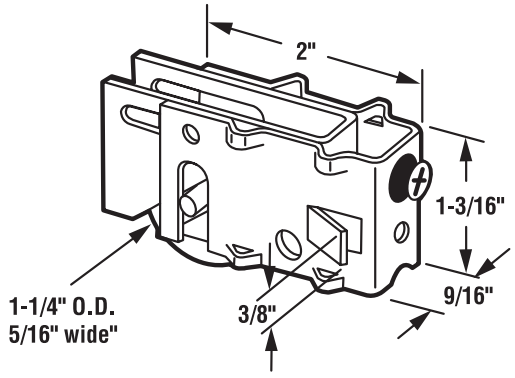
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1267	Roller Assembly (Steel)	131477	1



Ball bearing roller; adjustable steel housing assembly; fits on Lenahan and other manufacturers.

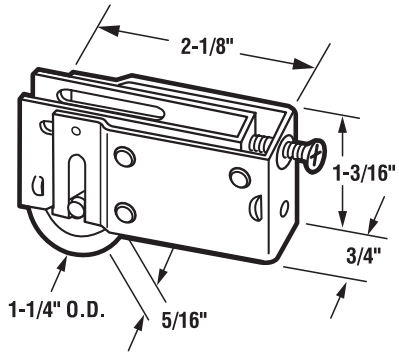
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1268	Roller Assembly (Nylon)	132282	1

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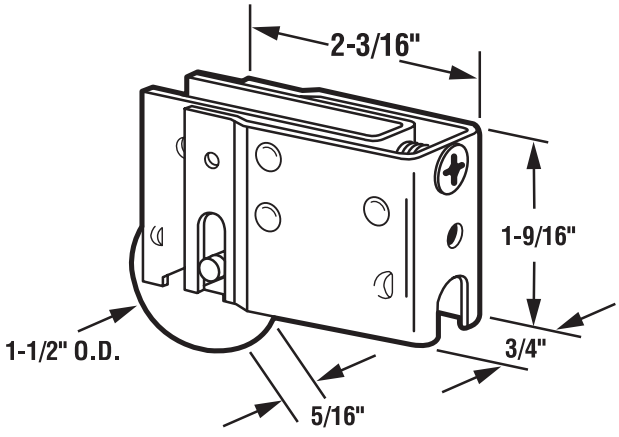
Steel ball bearing roller; adjustable steel housing assembly; fits on Nu-Air, Bennings, Scotty and many other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1269	Roller Assembly	131449	1



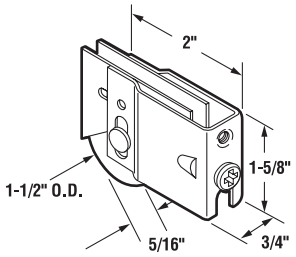
Steel ball bearing roller; adjustable steel housing assembly; fits on Harcar, Bee Cee and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1270	Roller Assembly	131461	1



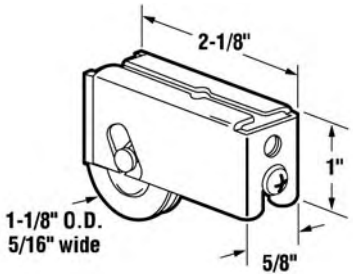
Steel ball bearing roller; adjustable steel housing assembly; fits on Harcar and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1271	Roller Assembly	131462	1



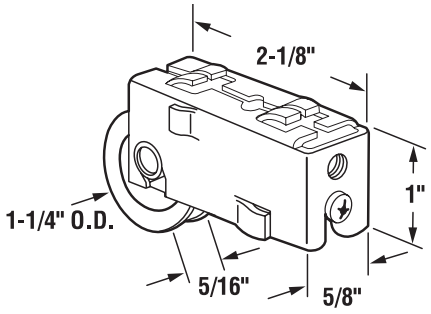
Steel ball bearing roller; adjustable steel housing assembly; fits on several patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1272	Roller Assembly	131467	1



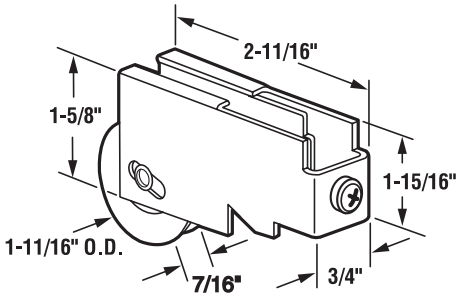
Steel ball bearing roller; adjustable steel housing assembly; fits on Capitol Mfg.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1273	Roller Assembly	13849	1



Ball bearing roller; adjustable steel housing assembly; fits on Smith Carry and other patio door manufacturers.

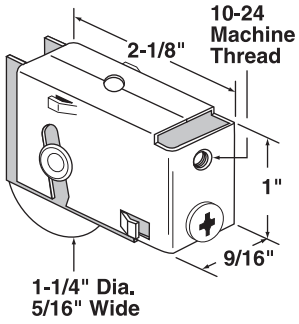
STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1274	(1-1/4") Nylon	131951	1
347-1275	(1-1/4") Steel	131985	1



Ball bearing roller; steel housing assembly; fits on Arcadia and other patio door manufactures.

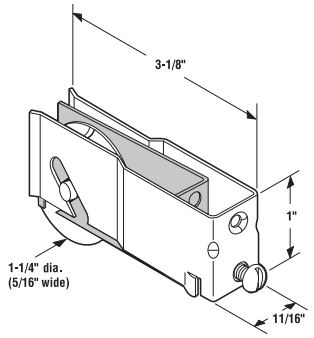
STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1276	(1-11/16") Nylon	1378	1
347-1277	(1-13/16") Steel	1378-S	1

Sliding Patio Door Rollers & Accessories



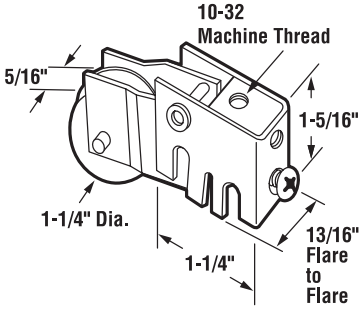
Steel ball bearing roller; adjustable steel housing assembly; fits on Acorn Door and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1278	Roller Assembly	131912	1



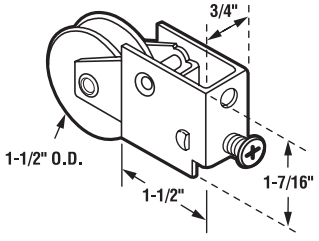
Steel ball bearing roller; adjustable extruded aluminum housing assembly; fits on Daryl and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6029	Roller Assembly	13949	1



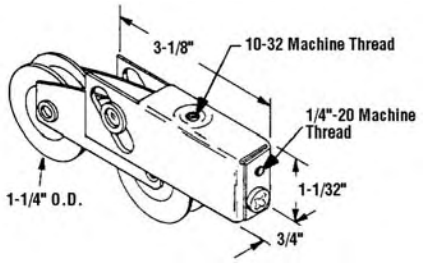
Ball bearing roller; adjustable steel housing assembly; fits on Overseas and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6046	Roller Assembly (Steel)	131296	1



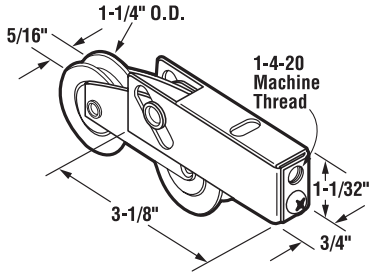
Steel ball bearing roller; adjustable steel housing assembly; fits on several patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1279	Roller Assembly	132283	1



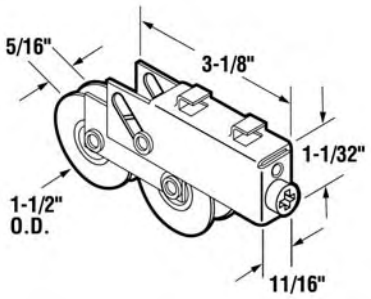
Tandem ball bearing rollers; adjustable steel housing assembly.

STOCK NO.	Tandem Roller Assembly	Mfr. #	UNIT PKG.
347-1280	1-1/4" (Nylon)	131954	1
347-1281	1-1/2" (Steel)	131300	1



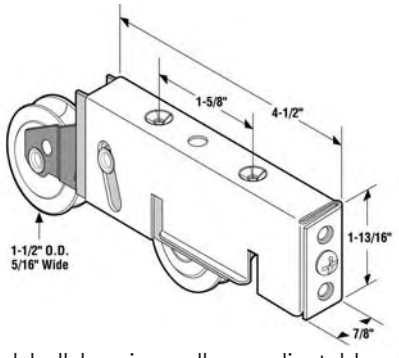
Tandem steel ball bearing rollers; adjustable steel housing.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1282	Tandem Roller Assembly	132403	1



Tandem steel ball bearing rollers; adjustable steel housing assembly fits on Smith Carry Corp.

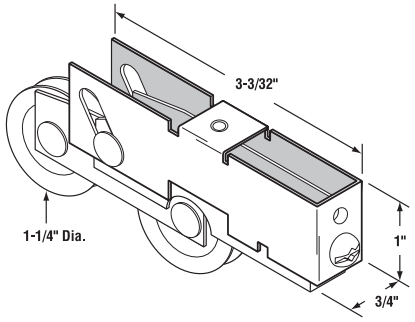
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6039	Tandem Roller Assembly	131299	1



Tandem steel ball bearing rollers; adjustable steel housing assembly; fits on Armour Vue, Disco, Atlas, and many other patio door manufacturers.

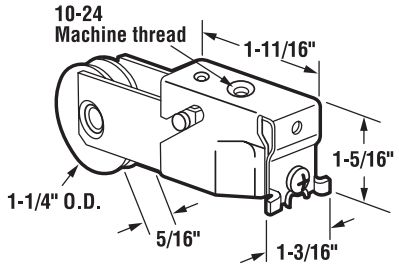
STOCK NO.	Tandem Roller Assembly	Mfr. #	UNIT PKG.
347-1283	1-1/2" (Steel B.B.)	13391	1

Sliding Patio Door Rollers & Accessories



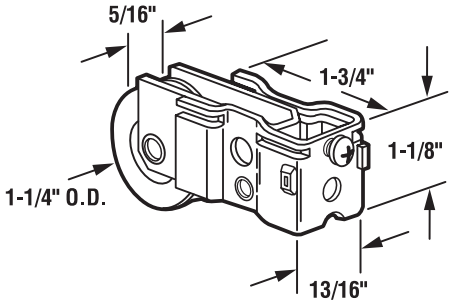
Tandem steel ball bearing roller; adjustable steel housing assembly.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1284	Tandem Roller Assembly	132347	1



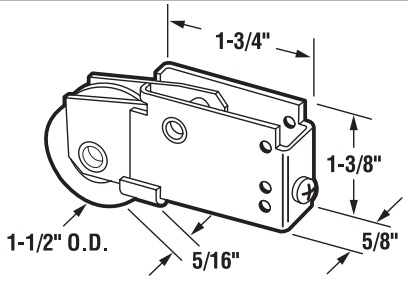
Steel ball bearing roller; adjustable steel housing assembly; fits on Smith & Kelly and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6026	Roller Assembly	13435	1



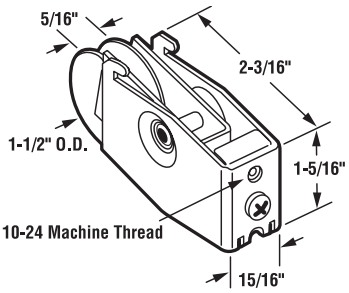
Steel ball bearing roller; adjustable steel housing assembly; fits on Acorn, Wells Aluminum and other patio door manufacturers. (Replaces old style Diecast).

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6011	Roller Assembly	13406	1



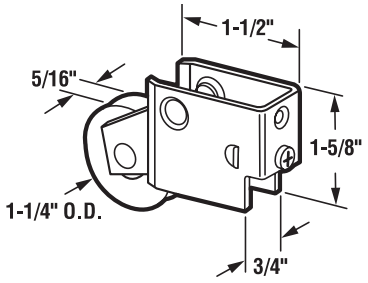
Nylon ball bearing roller; adjustable steel housing assembly; fits on Marshall Aluminum and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1285	Roller Assembly	131245	1



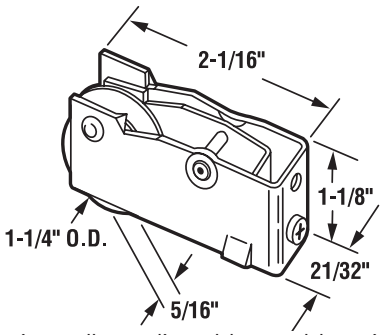
Nylon ball bearing roller; adjustable steel housing assembly; fits on Northrop and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1286	Roller Assembly	13373	1



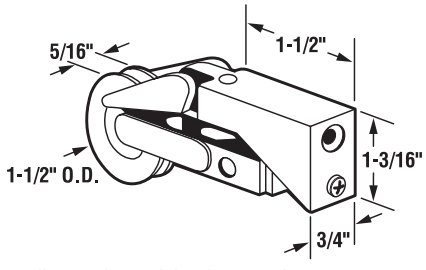
Steel ball bearing roller; adjustable zinc plated steel housing assembly; fits on Keller and other patio door manufacturers.

STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1287	1-1/4"	13487-1.25	1
347-6087	1-1/2"	13487	1



Steel ball bearing roller; adjustable steel housing assembly; fits on Crossly and other patio door manufacturers.

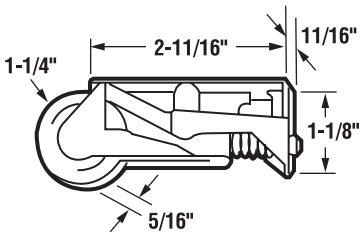
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1289	Roller Assembly	131281	1



Ball bearing roller; adjustable diecast housing assembly; fits on Fleetwood, Fullview and many other patio door manufacturers.

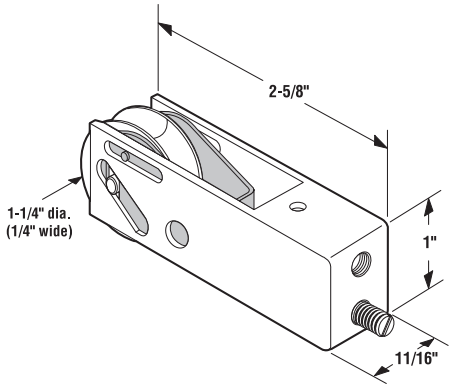
STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-6001	Steel	13127-2	1
347-1291	Nylon	131451	1

Sliding Patio Door Rollers & Accessories



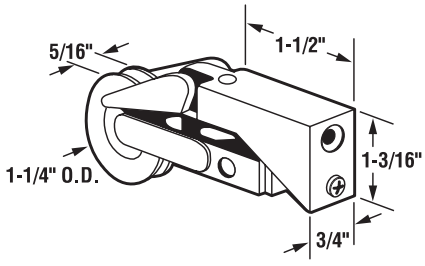
Steel ball bearing roller; adjustable diecast housing assembly; used by many patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1292	Roller Assembly	132318	1



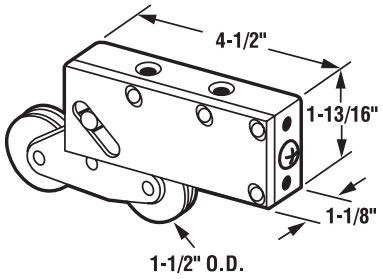
Ball bearing roller; adjustable diecast housing assembly; fits on Trimview and many other manufacturers.

STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-6020	Steel	13143	1



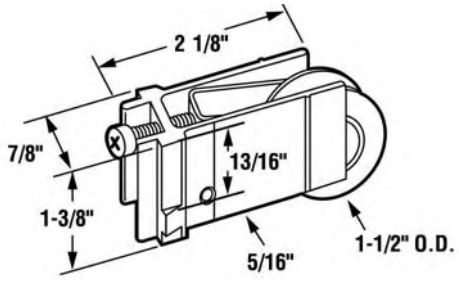
Ball bearing roller; adjustable diecast housing assembly; fits on Fleetwood, Fullview and many other patio door manufacturers.

STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1293	Steel	13127	1



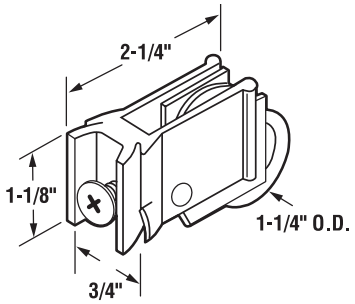
Tandem ball bearing roller; adjustable diecast housing assembly; fits on Kawneer.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1294	Tandem (Steel) Roller Assembly	131244	1



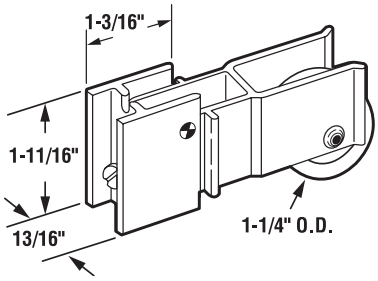
Steel ball bearing roller; adjustable extruded aluminum housing assembly; fits on Pan American, AAA Aluminum and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6032	Roller Assembly	131302	1



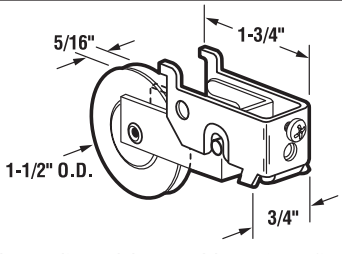
Steel ball bearing roller; adjustable extruded aluminum housing assembly; fits on Miller Industries and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1295	Roller Assembly	132024	1



Steel ball bearing roller; adjustable extruded aluminum housing assembly; fits on Yoho, Payne, Peachtree and other patio door manufacturers.

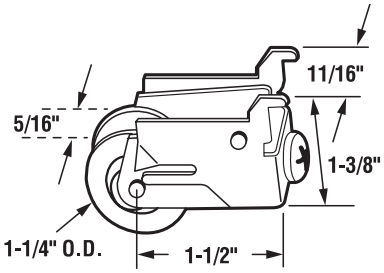
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1296	Roller Assembly	132592	1



Ball bearing roller; adjustable steel housing; fits on Ador HiLite series 1200 patio doors.

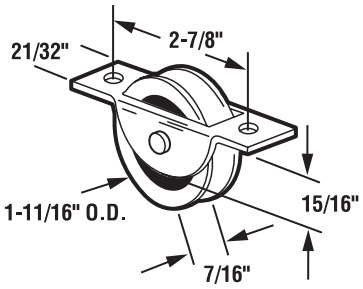
STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1297	Nylon	131897	1
347-1298	Steel	131913	1

Sliding Patio Door Rollers & Accessories



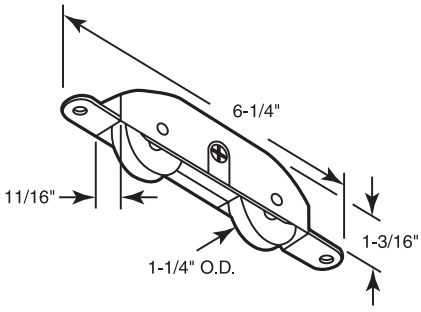
Ball bearing roller; adjustable steel housing assembly; fits on Premier and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1299	Roller Assembly (Nylon)	13395	1
347-1300	Roller Assembly (Steel)	13395-S	1



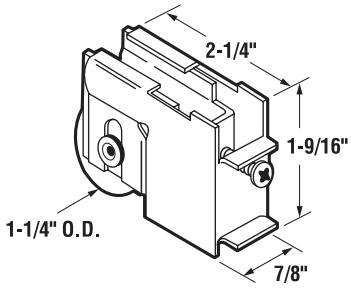
Nylon ball bearing roller; aluminum housing; fits on Western Patio doors and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6018	Roller Assembly	13179	1



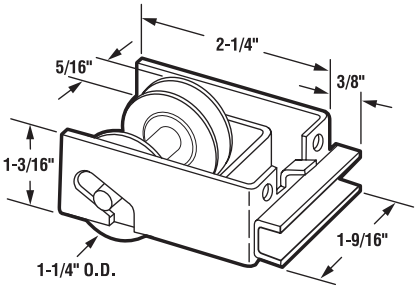
Tandem ball bearing rollers; adjustable steel housing assembly.

STOCK NO.	Tandem Roller Assembly	Mfr. #	UNIT PKG.
347-1301	1-1/4" (Steel)	13808-S	1



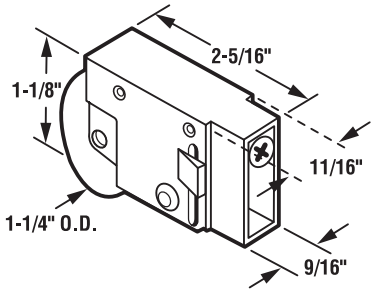
Ball bearing roller; adjustable steel housing assembly; fits on Peachtree Door.

STOCK NO.	Roller Assembly	Mfr. #	UNIT PKG.
347-1302	1-1/4" (Steel)	131606	1



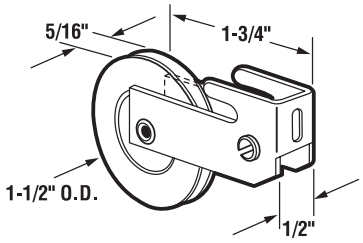
Dual ball bearing roller; adjustable steel housing; fits on Guaranteed Products and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1303	Roller Assembly (Steel)	13482-S	1



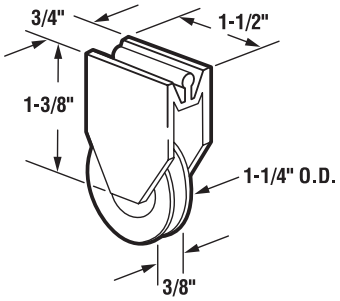
Steel ball bearing roller; adjustable diecast housing assembly; fits on Crossly and other patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1304	Roller Assembly	131973	1



Ball bearing roller in steel bracket; fits on Ador HiLite and other patio door manufacturers. Use with 347-1297 or 347-1298 to replace inner roller assembly.

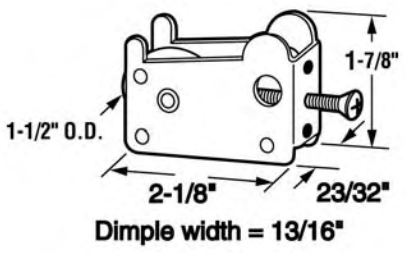
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1305	Roller Assembly (Nylon)	13158	1
347-1306	Roller Assembly (Steel)	13840	1



Nylon roller with bushing axle; non-adjustable nylon housing assembly; fits on Likit and other patio door manufacturers.

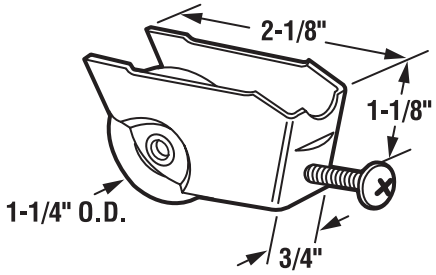
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1307	Roller Assembly	13180	1

Sliding Patio Door Rollers & Accessories



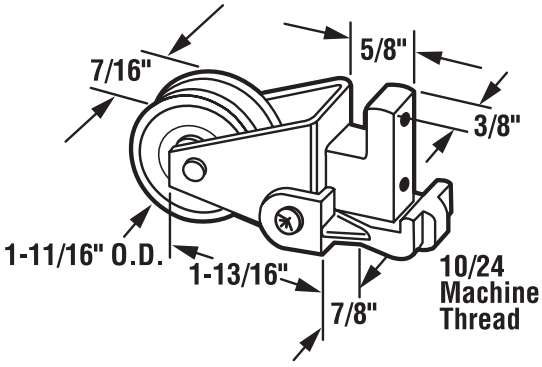
Steel ball bearing roller; galvanized steel housing.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1312	Roller Assembly	131892	1



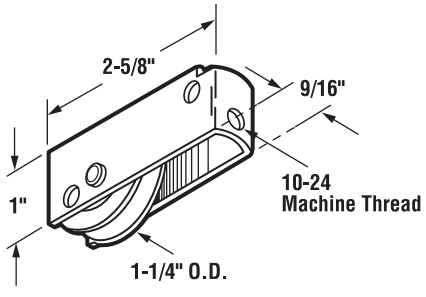
Steel ball bearing roller; steel housing.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1313	Roller Assembly	131525	1



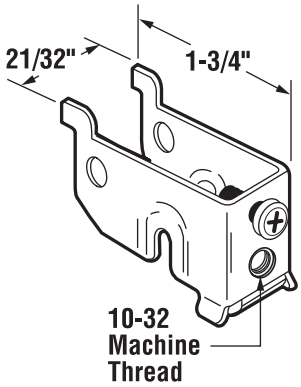
Nylon ball bearing roller; adjustable diecast housing assembly; fits on Art Door and patio door manufacturers.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1314	Door Roller Assembly	13464	1



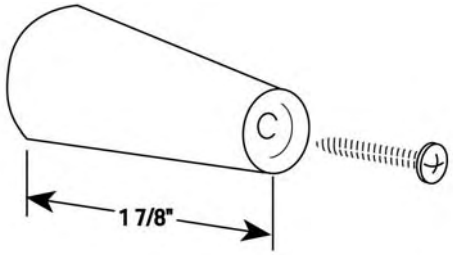
Nylon ball bearing roller; adjustable steel inner housing; fits on Capitol Door products.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1315	Roller Assembly	131986	1



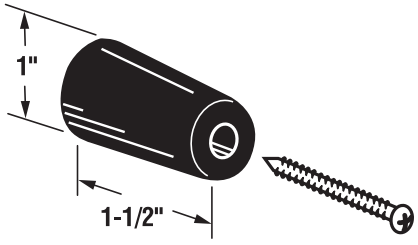
Steel housings; fits on Ador HiLite to hold Stock No. 347-1305 and 347-1306 roller assemblies.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6008	Roller Housing	13157	1



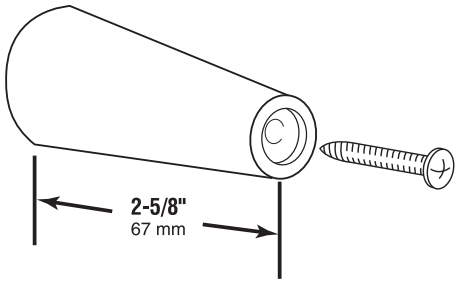
Injected rubber bumper; attaches to jamb to protect door.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1319	Bumper (Black)	13212	1



Long injected rubber bumper; attaches to jamb to protect door.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1316	Bumper (Black)	132306	1



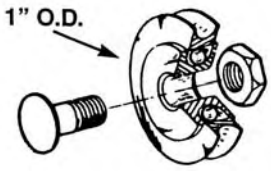
Injected rubber bumper; attaches to jamb to protect door.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1317	Bumper (Black)	13212-B	1
347-1318	Bumper (White)	132341	1

Sliding Patio Door Rollers & Accessories

Glass Door Bottom Rollers

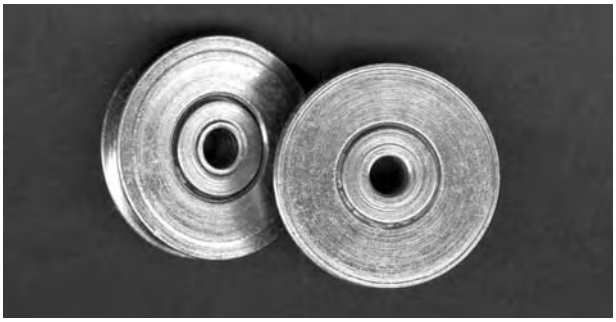




Each set consists of steel wheel, 1" diameter with a wide center groove, sealed ball bearing unit, elevator bolt with nut; 1/4" I.D.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1328	Steel Ball Bearing	254177	2 SETS

Glass Door Bottom Rollers



These 1-1/2" diameter steel wheels have a sealed ball bearing unit, with a centered "V" groove; 1/4" I.D.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6004	Steel Ball Bearing	254170	1

Shower Door Seal

36" Strip or 100' Roll

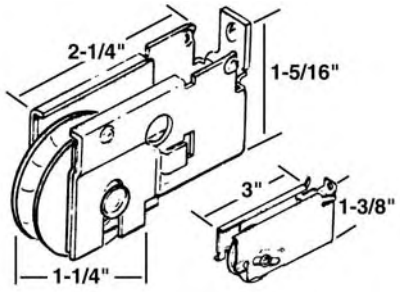




A universal design. 1-1/2" wide, flat gray vinyl for use on most hinged shower doors; 1/32" thick.

STOCK NO.	Length	Mfr. #	UNIT PKG.
347-1920	36"	19200	1 STRIP
347-1925	100'	M-6022	1 ROLL

Door Roller Unit



Old style roller is no longer available - can be replaced by new style; 1-1/4" O.D. ball bearing steel wheel; fits on Northrop 600 doors.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1149	Steel Ball Bearing	13374	1

Roller Axle Pin Assortment



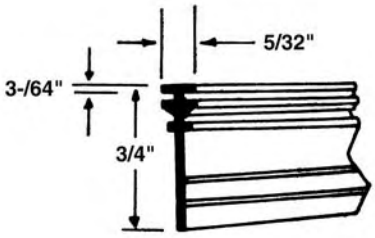
Used when replacing or repairing patio door rollers; knurled surface for a tight fit. Includes 2 sets of each (4 pins).

STOCK NO.	Mfr. #	UNIT PKG.
347-1330	13662	2 SETS

Vinyl Shower Door Sweep

36" Vinyl Strip

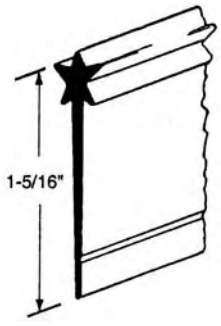
A 3/4" high, gray vinyl door sweep; "T" shaped end; universal application.



STOCK NO.	Length	Mfr. #	UNIT PKG.
347-1936	36"	19672	1 STRIP

Vinyl Shower Door Sweep

36" Vinyl Strip

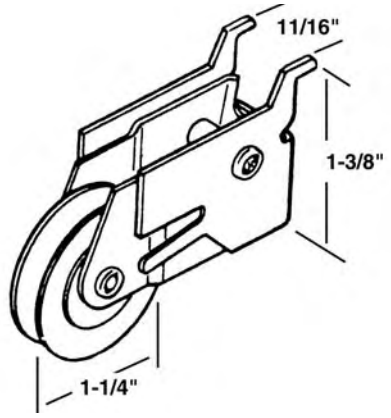


1-5/16" high, gray vinyl star tip sweep; for use on hinged shower doors.

STOCK NO.	Length	Mfr. #	UNIT PKG.
347-1940	36"	19859	1 STRIP

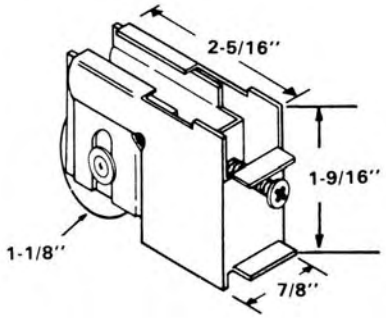
Sliding Patio Door Rollers & Accessories

Adjustable and Fixed Bottom Door Roller Units



1-1/4" O.D. diameter steel ball bearing unit; for use on Premier glass doors.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6027	Steel Ball Bearing	254213	1



1-1/8" O.D. diameter steel ball bearing unit; for use on Peachtree doors.

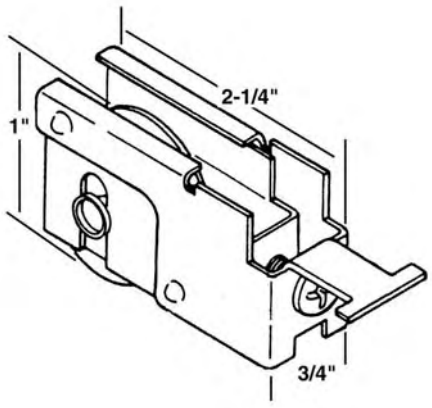
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6047	Steel Ball Bearing	131297	1

Glass Door Bottom Rollers



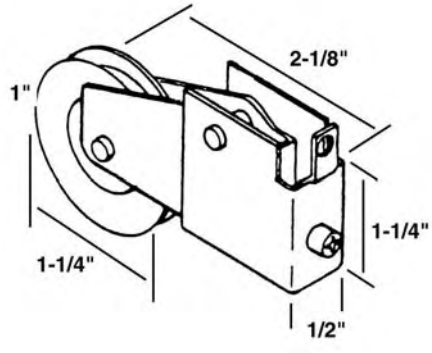
These 1-1/4" diameter nylon wheels have a steel ball bearing unit, with a centered "V" groove; 1/4" I.D. Each set includes a wheel, elevator bolt and nut.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1324	Nylon Ball Bearing	254176	2 SETS



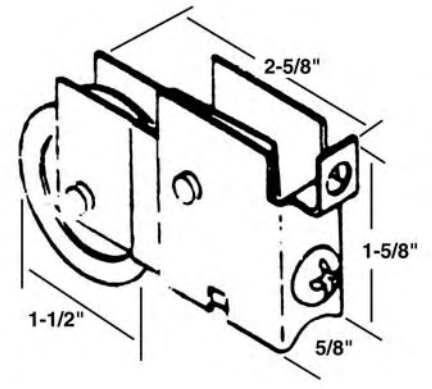
1" O.D. steel ball bearing wheel.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6024	Steel Ball Bearing	131535	1



1-1/4" O.D. diameter nylon ball bearing wheel; use on Sun Valley, Fullview and Glasco doors.

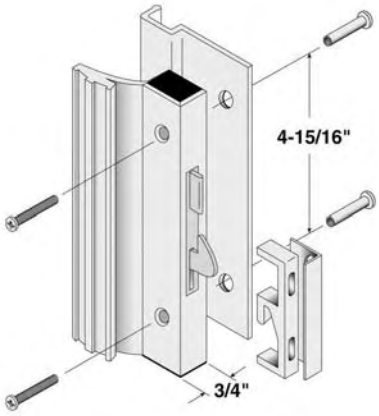
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6015	Nylon Ball Bearing	13173	1



1-1/2" O.D. diameter nylon ball bearing wheel; use on Starlite and Door Master doors.

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-6013	Nylon Ball Bearing	13170	1

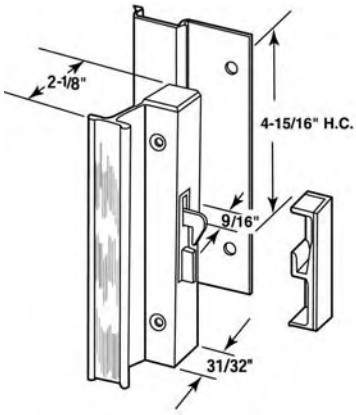
Patio Door Handles, Latches, Accessories



Extruded aluminum inside and outside pulls; fixed doors. Overall handle height is 1-1/2"; latch hook profile is 3/8".

HANDLE SET (Standard Handle Height)

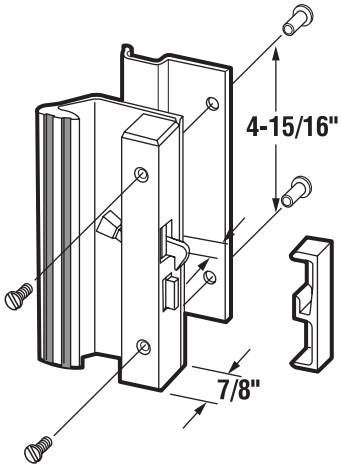
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1320	Aluminum	14206	1
347-1321	Black	142053	1



Same handle design as Stock No. 347-1320, except latch hook profile is 9/16". Overall handle height is 2-1/8".

HANDLE SET

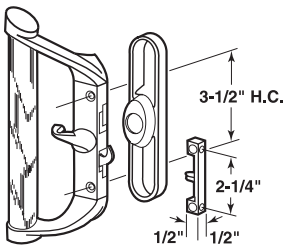
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1322	Aluminum	14665	1
347-1323	Black	14665-B	1



Same handle design as Stock No. 347-1320 except latch hook is 7/16". Overall handle height will offer lower profile, approximately 1" high. Allows clearance for blinds and draperies.

HANDLE SET

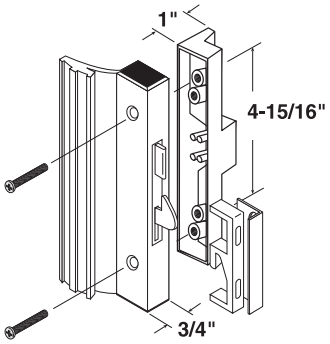
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1331	Aluminum	14664	1
347-1332	Black	14664-B	1
347-1333	White	14664-W	1



Universal design; replaces most surface latch sets; diecast assembly with wood handle; diecast thumb turn with steel hook; 2-way diecast keeper.

HANDLE SET WITH KEYED LOCK

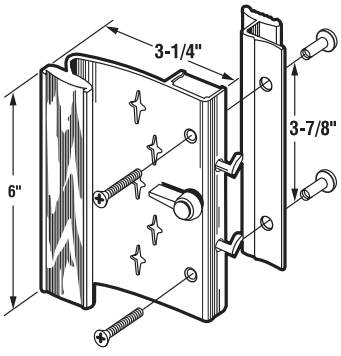
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1334	Aluminum	14950	1



Extruded aluminum inside; and diecast outside pulls; fixed anti-lift bar for additional security; reversible for right or left hand doors; latch hook profile is 7/16".

HANDLE SET

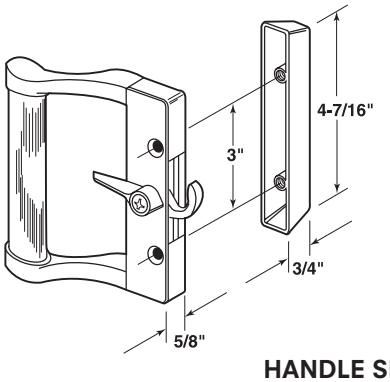
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1335	White	14206-W	1



Designed for Ador HiLite doors; extruded aluminum inside and outside pulls; handle latches into door jamb (no strike necessary).

HANDLE SET

STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1336	Aluminum	14183	1
347-1337	Black	14183-B	1

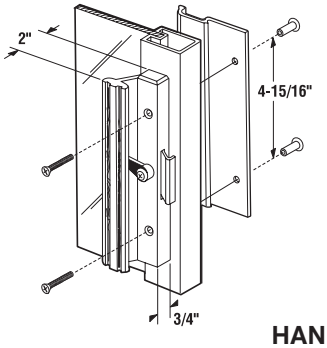


Universal design diecast inside pull with wood handle; side or face mount keeper; diecast outside pull; surface mount.

HANDLE SET

STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1338	Aluminum	14200-A	1

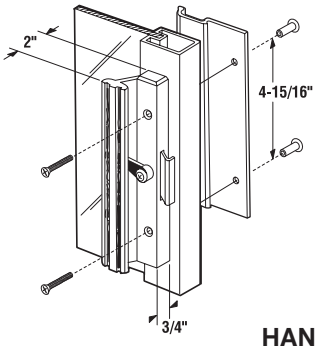
Patio Door Handles, Latches, Accessories



Extruded aluminum inside and flush outside pull; surface mounted; clamp-latch with metal activator; latch hook profile is 1/4", projection is 1/2", used by many patio door manufacturers.

HANDLE SET

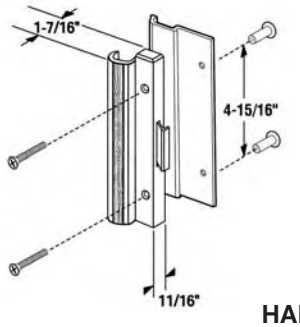
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1339	Aluminum	141706	1
347-1340	Black	141311	1



Extruded aluminum inside pull; clamp-latch with metal activator; extruded aluminum outside pull; designed for Lupton, Rolleze and many patio door manufacturers. Latch hook profile is 3/16" and the projection is 11/16".

HANDLE SET

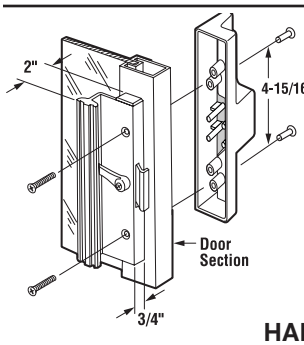
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1341	Aluminum	142229	1
347-1342	Black	142230	1



Designed for Northrop Architectural doors; extruded aluminum inside pull with metal activator and clamp-latch; flush extruded aluminum outside pull. Latch hook profile is 3/16" and the projection is 7/16".

HANDLE SET

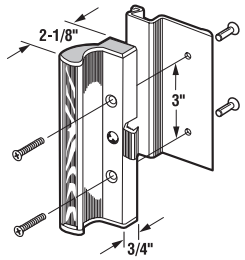
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1343	Black	142217	1



Extruded aluminum inside pull; clamp-latch with metal activator; diecast outside pull has knockout for converting to keyed cylinder lock; latch hook profile is 1/4"; projection is 1/2" used by many patio door manufacturers.

HANDLE SET

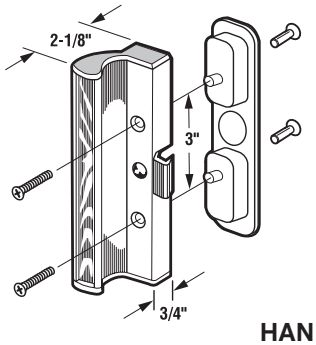
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1344	White	141845	1



Extruded aluminum inside pull; clamp-latch with plastic activator; flush extruded aluminum outside pull; designed to fit International doors. Latch hook profile is 1/4" and the projection is 9/16".

HANDLE SET

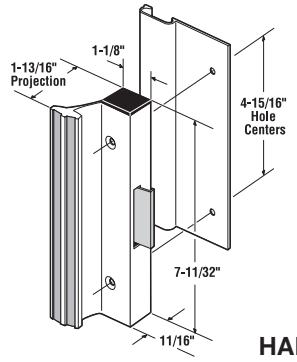
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1345	Aluminum	14538	1
347-1346	Black	14538-B	1
347-1347	White	143528	1



Extruded aluminum inside pull; clamp-latch with plastic activator; flush diecast outside pull; designed to fit International doors; latch hook profile is 1/4" and the projection is 9/16".

HANDLE SET

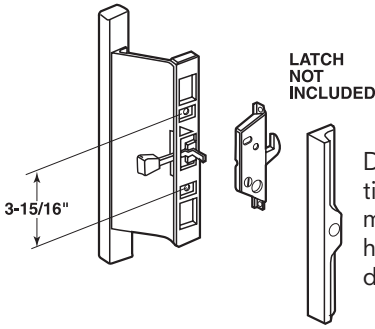
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1348	White	141316	1



Extruded aluminum inside handle; with clamp style latch and metal activator; extruded aluminum outside pull; latch hook profile is 3/16", projection is 7/16".

HANDLE SET

STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1349	Aluminum	14399	1
347-1350	Bronze	14399-B	1

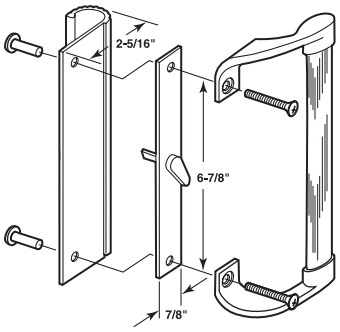


Deluxe handle set for mortise locks; extruded aluminum inside pull with heavy-duty wood handle; diecast outside pull.

HANDLE SET

STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1351	Aluminum	14346	1
347-1382	Black	142379	1

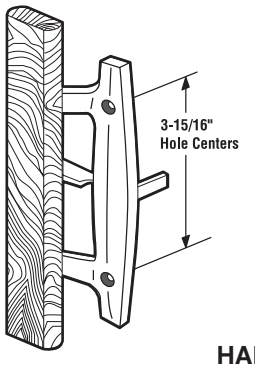
Patio Door Handles, Latches, Accessories



Inside pull with wood handle and diecast brackets; extruded aluminum outside pull; designed for Daryl doors, but will function with a variety of mortise locks.

HANDLE SET

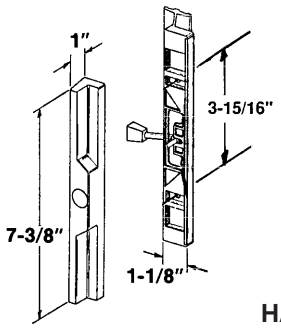
STOCK NO.	Color	Style	Mfr. #	UNIT PKG.
347-1383	Aluminum	Non-Keyed	14421	1



Deluxe handle for mortise locks; diecast aluminum with wood pull; one diecast thumb turn. Non-handed, surface mounted.

HANDLE SET

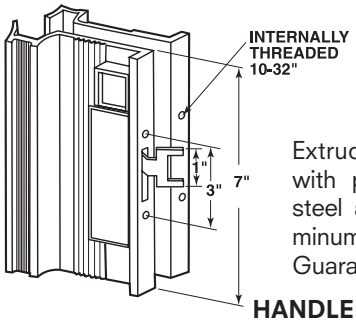
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1352	Black	142247	1



Standard handle set for mortise locks. Extruded aluminum inside pull; diecast outside pull. Non-handed, surface mount. Removable knockout slug for adding key cylinder.

HANDLE SET

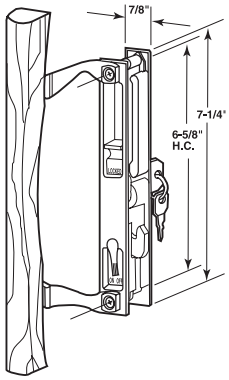
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1353	Black	141841	1
347-1354	White	141844	1



Extruded aluminum inside pull; with plastic latch assembly and steel actuator fork; extruded aluminum outside pull; designed for Guaranteed patio door.

HANDLE SET

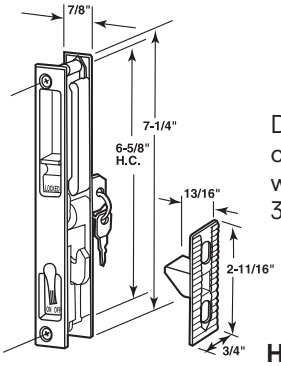
STOCK NO.	Color	Style	Mfr. #	UNIT PKG.
347-1355	Black	Single Glazed	14479	1
347-1356	Black	Single Glazed/ Keyed	14480	1



Diecast construction fits most popular flush lock cut-outs; comes complete with keyed cylinder lock; reversible for left or right hand.

HANDLE SET

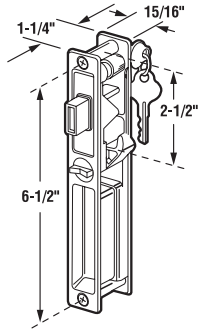
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1357	Black	141638	1



Diecast construction fits flush lock cut-outs; reversible latch; complete with keeper; same as Stock No. 347-1357 without wood pull.

HANDLE SET

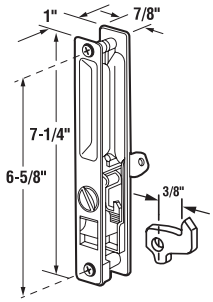
STOCK NO.	Color	Style	Mfr. #	UNIT PKG.
347-1358	Black	Keyed	141640	1
347-1359	Black	Non-Keyed	141639	1



Diecast construction; has push button activator with diecast hook; nite latch feature fits on Crossly doors.

HANDLE SET

STOCK NO.	Color	Style	Mfr. #	UNIT PKG.
347-1360	Chrome	Keyed	14903	1

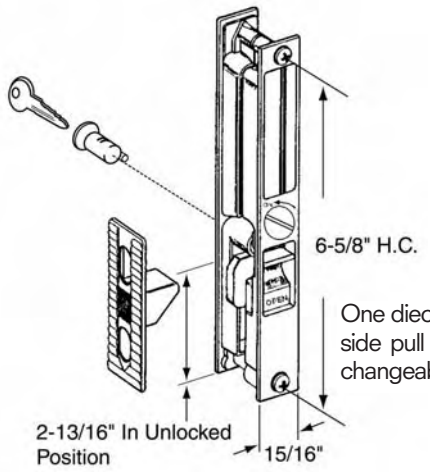


Diecast construction; chrome plated; steel hook; nite latch feature; universal design; interchangeable hooks are reversible.

HANDLE SET

STOCK NO.	Color	Style	Mfr. #	UNIT PKG.
347-1361	Chrome	3/8" Hook Only	141975	1
347-1362	Chrome	4 Hook Assortment	14416	1

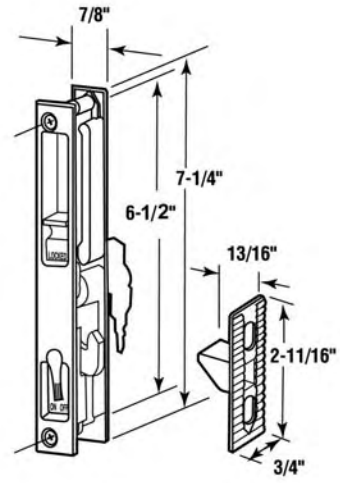
Patio Door Handles, Latches, Accessories

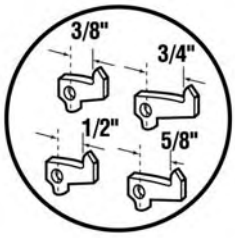


One diecast flush inside and outside pull with key cylinder; interchangeable hooks are reversible.

HANDLE SET

STOCK NO.	Color	Style	Mfr. #	UNIT PKG.
347-1363	Black	Keyed	142023	1
347-1364	Chrome	Keyed	142252	1

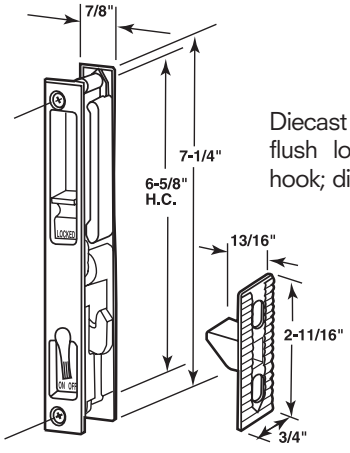




Diecast flush mount latch and keeper; 1/8" thick spacer design-ed to adapt to Croft Metal Series 701 - 7/8" thick door stile; reversible latch hook.

HANDLE SET

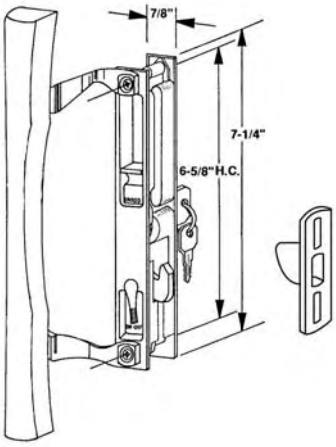
STOCK NO.	Color	Style	Mfr. #	UNIT PKG.
347-1365	Black	No-Pull	142043	1

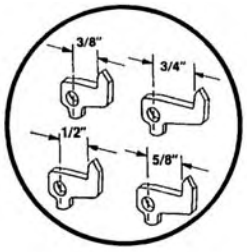


Diecast construction; fits most popular flush lock cut-outs; reversible latch hook; diecast keeper.

HANDLE SET

STOCK NO.	Color	Style	Mfr. #	UNIT PKG.
347-1366	Chrome	No-Pull	14436	1

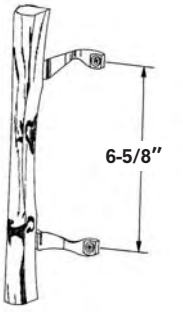




Diecast construction; fits most popular flush lock cut-outs; comes complete with keyed cylinder lock; reversible for left or right hand; complete with 4 different hook lengths.

HANDLE SET

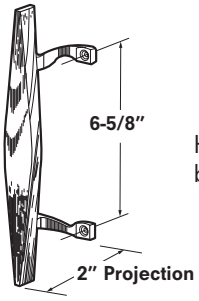
STOCK NO.	Color	Style	Mfr. #	UNIT PKG.
347-1367	Brass (Plated)	Keyed	142256	1



Deluxe wood pull; painted or plated diecast brackets.

PULL

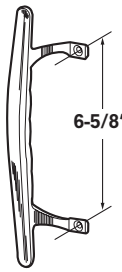
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1368	Chrome	141642	1



Heavy duty wood pull; plated diecast brackets; used on many flush type locks.

PULL

STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1369	Chrome	141763	1

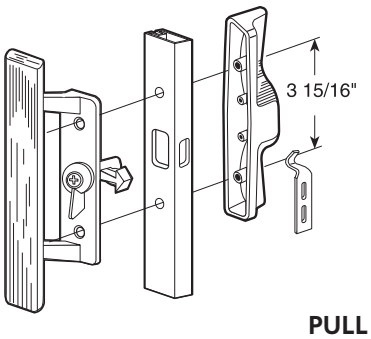


Deluxe handle; diecast aluminum construction designed to be used with flush type locks.

PULL

STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1370	Chrome (Plated)	141688	1

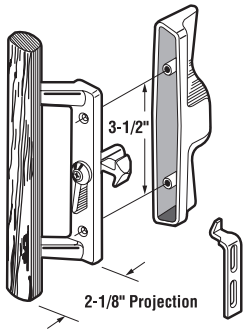
Patio Door Handles, Latches, Accessories



Diecast aluminum with wood pull; designed to fit many doors, reversible right or left hand applications, complete with keeper, automatic unlatching feature prevents accidental lockout; fits 1" thick door rails. Fits on Viking doors.

PULL

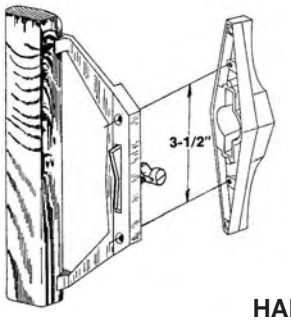
STOCK NO.	Color	Style	Mfr. #	UNIT PKG.
347-1371	Aluminum		14186	1
347-1372	Aluminum	Keyed	14643	1
347-1373	Black		141843	1



Diecast inside pull with wood handle, 3-1/2" hole centers, reversible, for left or right hand openings, automatic unlatching feature prevents "lock-out"; for 1" thick door rails.

HANDLE SET

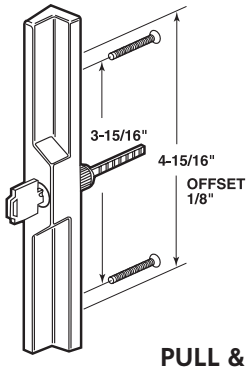
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1374	Black	141866	1



Diecast inside pull with wood handle, diecast outside pull, designed for Burval, Trimview and other manufacturers.

HANDLE SET

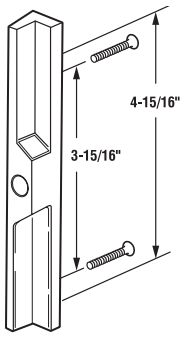
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1375	Aluminum	141235	1



This multi-functional locking unit will accommodate two popular hole center patterns. The 4-15/16" spacing works on most surface mounted handle sets. The 3-15/16" is offset 1/8" from center, and spacing was designed to work with Adams Rite, W & F, and similar type mortise latches. It is non-handed and tail piece is notched for various break-off lengths.

PULL & KEYED LOCKING UNIT

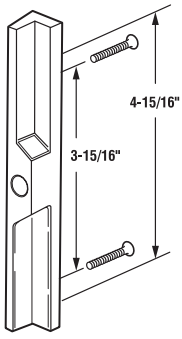
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1377	Black	141237	1



Improves grip for opening door from outside. Designed to be used with handle sets using 3-15/16" and 4-15/16" hole spacings.

OUTSIDE PULL

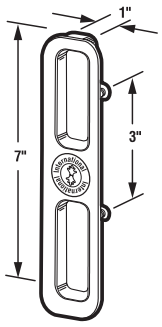
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-6525	Black	14906	1



Improves grip for opening door from outside. Designed to be used with handle sets using 3-15/16" and 4-15/16" hole spacings.

PLASTIC OUTSIDE PULL

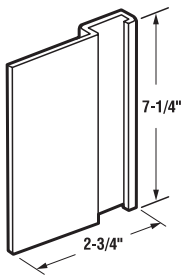
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1378	Black	142237	1



Diecast, flush mount, knock-out plug to accept key cylinder No. E-2000. Fits on doors by International.

OUTSIDE PULL

STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1379	Black	142234	1

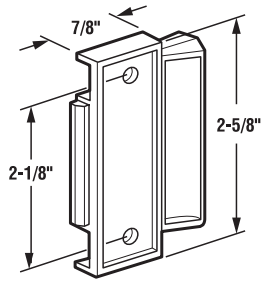


Extruded aluminum pull; no holes; drill holes to meet any requirements.

OUTSIDE FLUSH PULL

STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1380	Aluminum	142215	1
347-1381	Black	142216	1

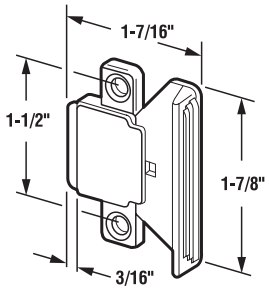
Sliding Window Latches



Automatic latching feature; surface mount used by several window manufacturers.

PULL & LATCH

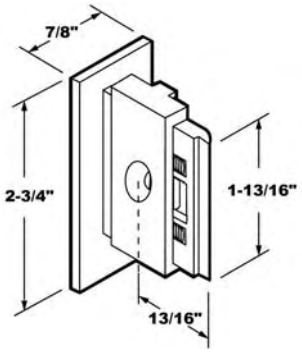
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1537	White	17505	1



Automatic latching feature; surface mount; for left or right hand windows; used by several window manufacturers.

PULL & LATCH

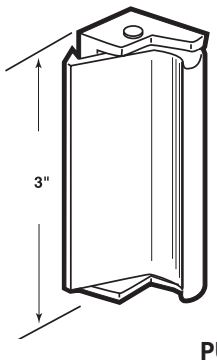
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1538	Bright Zinc	17238	1

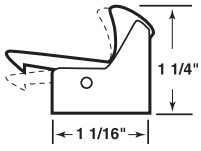


Plastic construction; spring-loaded latch; fits on Rolleze windows and others.

PULL & LATCH

STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1539	Black	171754	1

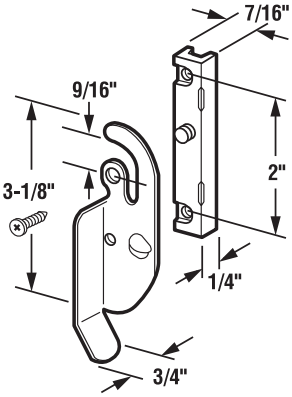




Plastic pull and latch; spring-loaded; self latching; used in Premier Series 510 Imperial windows and others.

PULL & LATCH

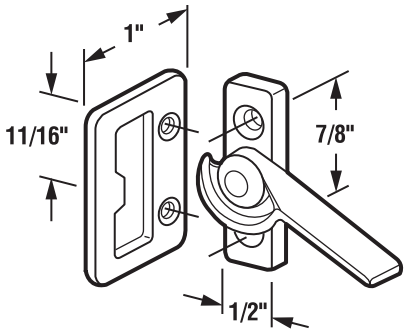
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1540	Black	17899	1



Stamped steel latch with plastic guide bracket; for sliding windows manufactured by Likit and others.

LATCH

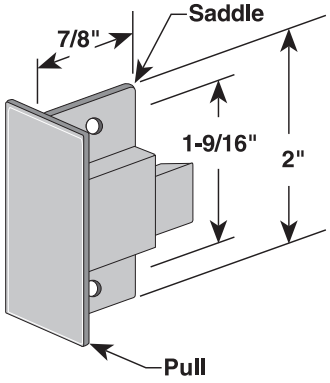
STOCK NO.	Style	Mfr. #	UNIT PKG.
347-1541	Left	17368-L	1
347-1542	Right	17368-R	1



Diecast latch and keeper used on both residential and RV sliding windows.

LATCH

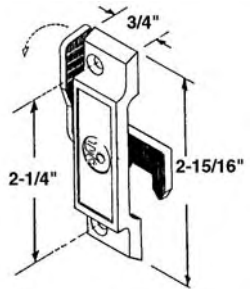
STOCK NO.	Style	Color	Mfr. #	UNIT PKG.
347-1543	Left	Bright Zinc	17228-L	1
347-1544	Right	Bright Zinc	17228-R	1



Diecast spring loaded latch; fits on Window Master series 216 windows.

PULL & LATCH

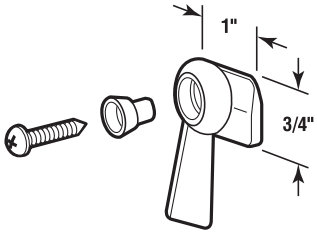
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1545	Black	171759	1



Diecast construction. This lock does not use a keeper; the latch engages the fixed rail to lock window; used on Guaranteed products and others

PULL & LATCH

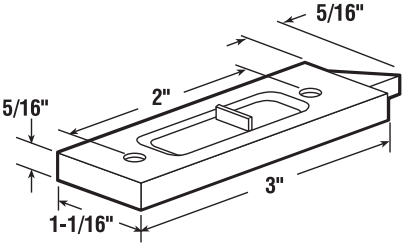
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1546	Black	17484	1
347-1547	White	171536	1



Sash lock for both horizontal and vertical sliding windows; for camper shell and RV type windows.

SASH LOCK

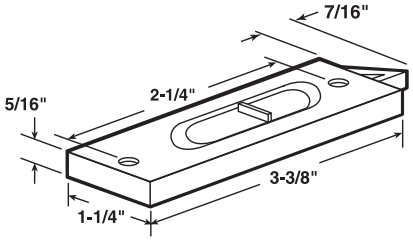
STOCK NO.	Style	Color	Mfr. #	UNIT PKG.
347-1548	Left Hand	Chrome	171916-L	1
347-1549	Right Hand	Chrome	171916-R	1
347-1550	Left Hand	Black	172587-L	1
347-1551	Right Hand	Black	172587-R	1



Spring-loaded vinyl tilt latch used on single or double-hung, aluminum or vinyl windows; for use on sash panels designed to tilt in and down from the top.

TILT LATCH

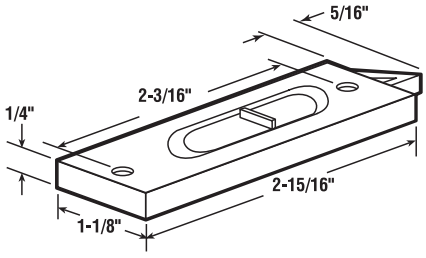
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1552	White	172412	1



Spring-loaded vinyl tilt latch used on single or double-hung, aluminum or vinyl windows, for use on sash panels designed to tilt in and down from the top.

TILT LATCH

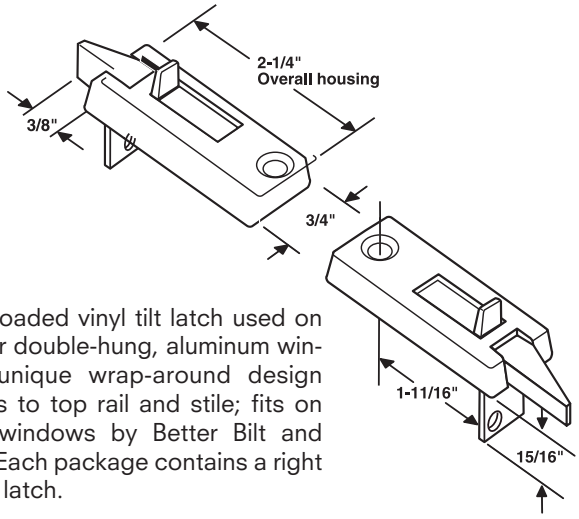
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1553	White	172413	1



Spring-loaded vinyl tilt latch used on single or double-hung, aluminum or vinyl windows; for use on sash panels designed to tilt in and down from the top.

TILT LATCH

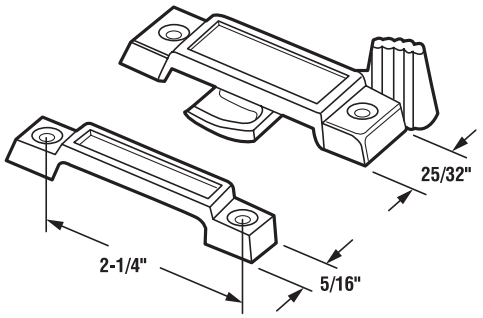
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1555	White	171755	1



Spring loaded vinyl tilt latch used on single or double-hung, aluminum windows; unique wrap-around design attaches to top rail and stile; fits on tilt-out windows by Better Bilt and others. Each package contains a right and left latch.

TILT LATCH

STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1556	Black	172434-B	1
347-1557	White	172434-W	1

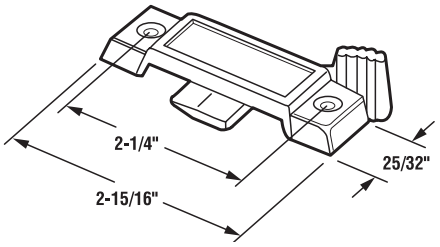


Diecast construction; fits aluminum, vinyl or wood double-hung windows, cam lock holds window securely closed, universal design.

LATCH

STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1559	Chrome	1775-CR	1
347-1560	Black	17755	1
347-1561	White	17755-W	1

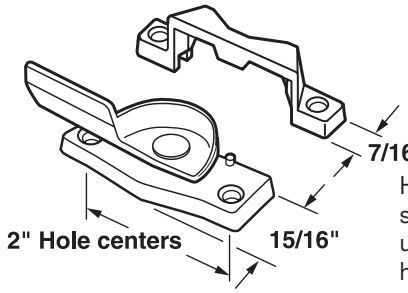
Patio Door Handles, Latches, Accessories



Diecast construction. This lock does not use a separate keeper, the latch engages the fixed rail to lock the window; used on vertical and horizontal sliding windows.

SASH LOCK

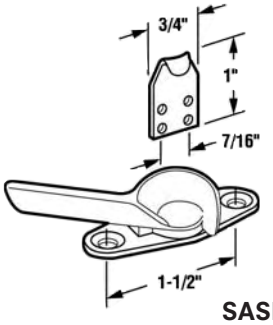
STOCK NO.	Size	Color	Mfr. #	UNIT PKG.
347-1562	3/8″ Latch	Black	171949	1
347-1563	3/8″ Latch	White	171949-W	1
347-1564	3/8″ Latch	Bronze	171976	1
347-1565	3/8″ Latch	Gray	173232	1
347-1566	5/8″ Latch	Black	172411	1
347-1567	5/8″ Latch	White	172411-W	1



Heavy-duty diecast construction, cam style lock used on many double-hung wood windows.

SASH LOCK

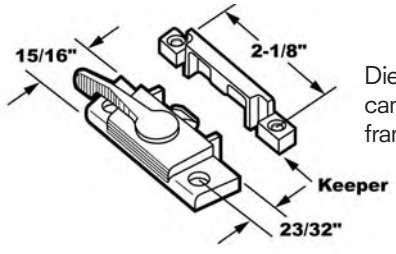
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1568	Bronze	172848	1
347-1569	White	172849	1



Cam-type sash lock, diecast housing, steel keeper; used on Daryl windows and others.

SASH LOCK

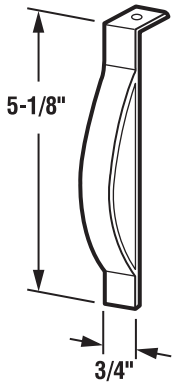
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1570	Bright Zinc	17445	1



Diecast with alignment lugs, cam-type action used on vinyl framed windows.

SASH LOCK

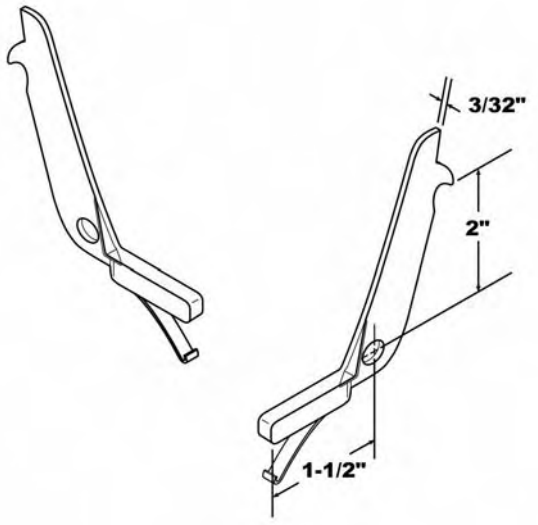
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1571	White	171915	1



Spring steel construction; allows repair of broken sash cords without removing sash; corner mounted; installs in seconds.

SASH SPRING

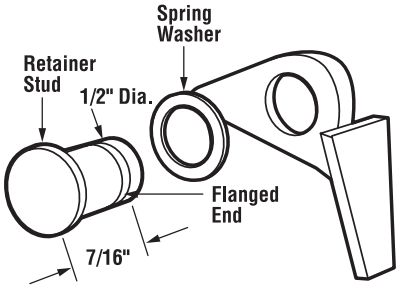
STOCK NO.	Mfr. #	UNIT PKG.
347-1572	171119	1



Plastic latches with steel springs; used on Phillips Industries on single hung sash windows.

LATCH & PULL

STOCK NO.	Mfr. #	UNIT PKG.
347-1573	172431	1

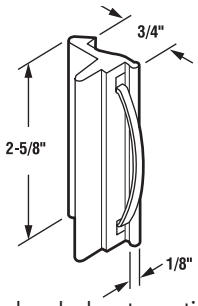


Adjustable plastic latch; can be raised or lowered on aluminum stile; fits on Rolleze Series 710 sliding windows and others.

LATCH

STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1574	Black	171575	1

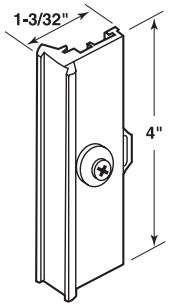
Sliding Window Rollers & Accessories



Plastic handle; spring-loaded automatic latching feature; fits on Bee Cee and others.

PULL & LATCH

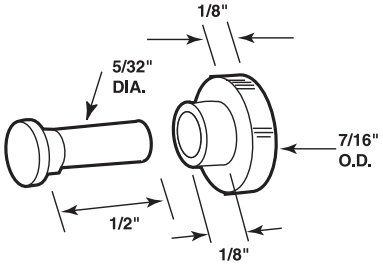
STOCK NO.	Mfr. #	UNIT PKG.
347-1384	171991	1



Adjustable, self-latching handle; position can be raised or lowered for convenience; fits on Hi-Lite convertible windows and others.

PULL & LATCH

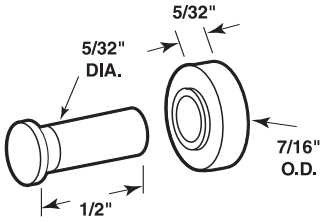
STOCK NO.	Color	Mfr. #	UNIT PKG.
347-1385	Aluminum	172361	1
347-1386	Black	17237	1



1/8" x 7/16" flat steel roller; nylon axle pins; fits on Premiere.

ROLLER

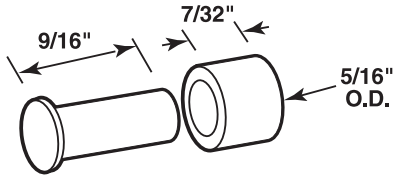
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1387	Steel	17325	4
347-1388	Stainless Steel	17739	4



5/32" x 7/16" flat nylon roller; nylon axle pins; fits on Hi-Lite.

ROLLER

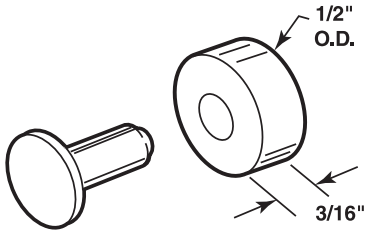
STOCK NO.	Mfr. #	UNIT PKG.
347-1389	17155	2



5/16" x 7/32" flat nylon roller; nylon axle pins; fits on Radco.

ROLLER

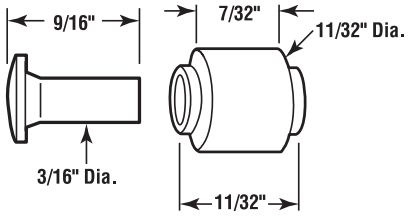
STOCK NO.	Mfr. #	UNIT PKG.
347-1390	17552	2



3/16" x 1/2" flat steel roller; nylon axle pins; fits on Premiere and Keller windows and others.

ROLLER

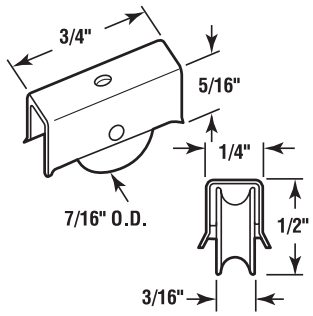
STOCK NO.	Mfr. #	UNIT PKG.
347-1391	17813	2



Solid brass rollers with nylon axles; fits on Viking Series M70 windows.

ROLLER

STOCK NO.	Mfr. #	UNIT PKG.
347-1392	171958	2

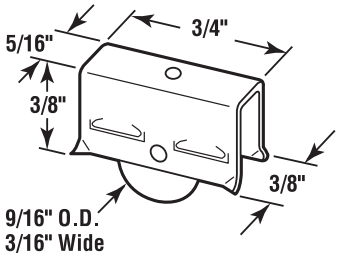


Stamped steel housing with 7/16" diameter center groove nylon roller; used on sliding storm windows, and showcase windows.

ROLLER ASSEMBLY

STOCK NO.	Mfr. #	UNIT PKG.
347-1393	172549	2

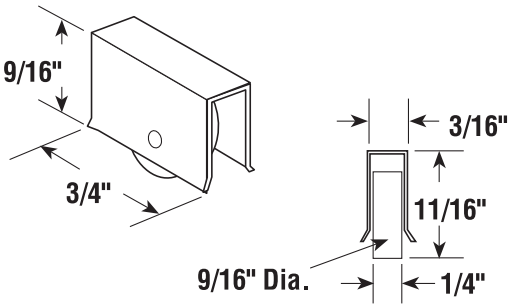
Sliding Window Rollers & Accessories



Stamped steel housing with 9/16" diameter roller; used on sliding storm windows and showcase windows.

ROLLER ASSEMBLY

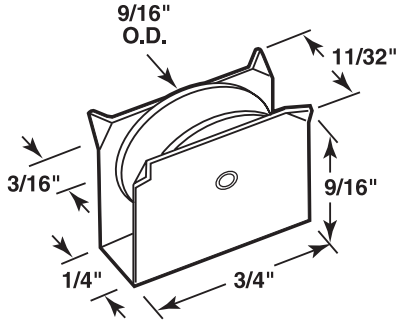
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1394	Nylon Roller	17757	2
347-1395	Steel Roller	17578	2



Stamped steel housing with 9/16" diameter flat edge nylon roller; used on sliding storm windows and showcase doors.

ROLLER ASSEMBLY

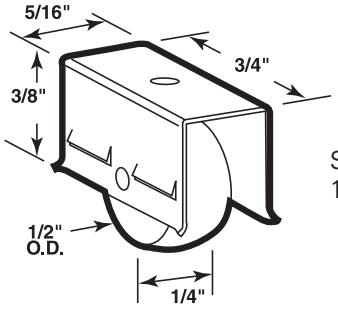
STOCK NO.	Mfr. #	UNIT PKG.
347-1396	172555	2



Stamped steel housing with 9/16" diameter concave roller; used on sliding windows and showcase windows.

ROLLER ASSEMBLY

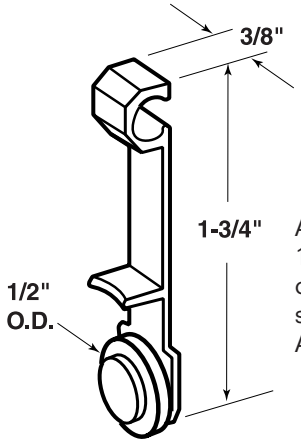
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1397	Steel Roller	17758	2
347-1398	Nylon Roller	17753	2



Stamped steel housing; 1/4" x 1/2" convex nylon roller.

ROLLER ASSEMBLY

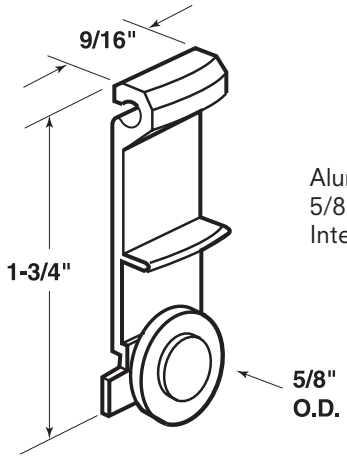
STOCK NO.	Mfr. #	UNIT PKG.
347-1399	172109	2



Aluminum bracket with 1/8" x 1/2" flat edge nylon roller; fits on International "King-Queen" series, also fits Academy and A-1 Aluminum.

ROLLER ASSEMBLY

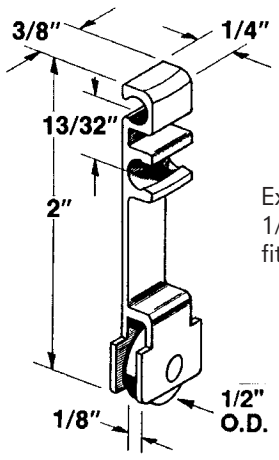
STOCK NO.	Mfr. #	UNIT PKG.
347-1400	172001	2



Aluminum bracket with 1/8" x 5/8" flat edge roller; fits on International windows.

ROLLER ASSEMBLY

STOCK NO.	Mfr. #	UNIT PKG.
347-1401	171863	2

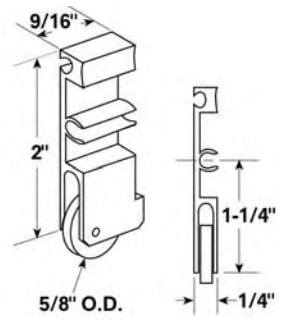


Extruded aluminum bracket; 1/8" x 1/2" flat edge steel roller; fits on International windows.

ROLLER ASSEMBLY

STOCK NO.	Mfr. #	UNIT PKG.
347-1402	172110	2

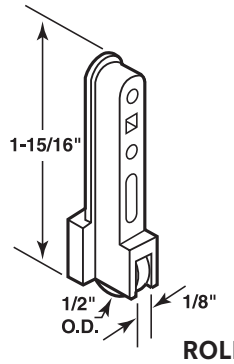
Sliding Window Rollers & Accessories



Extruded aluminum bracket with 1/8" x 5/8" steel roller; fits on International windows and others.

ROLLER ASSEMBLY

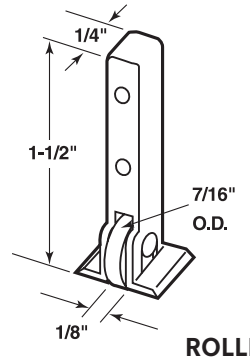
STOCK NO.	Mfr. #	UNIT PKG.
347-1403	17231	2



Nylon housing 1/8" x 1/2" flat roller; top rollers adjust "up" to provide anti-lift protection; bottom rollers adjust "up and down" for alignment; fits on Hi-Lite 200 Series windows, and others.

ROLLER ASSEMBLY

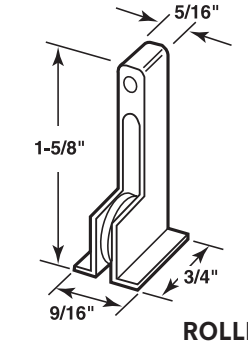
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1404	Nylon Roller	17474	2
347-1405	Steel Roller	17474-S	2



Nylon housing; 1/8" x 7/16" flat edge nylon roller; fits on Guaranteed Products.

ROLLER ASSEMBLY

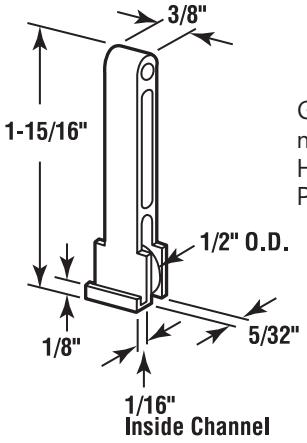
STOCK NO.	Mfr. #	UNIT PKG.
347-1406	17483	2



Nylon housing with 1/8" x 1/2" flat edge roller, fits on Hi-Lite convertible windows and others.

ROLLER ASSEMBLY

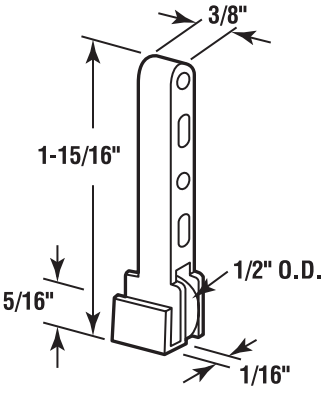
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1407	Nylon Roller	17144	2
347-1408	Steel Roller	172546	2



Gray nylon housing; 1/8" x 1/2" nylon roller; fits on A-1 Aluminum, Horizon, Sun Air, International, Patio Concepts and others.

ROLLER ASSEMBLY

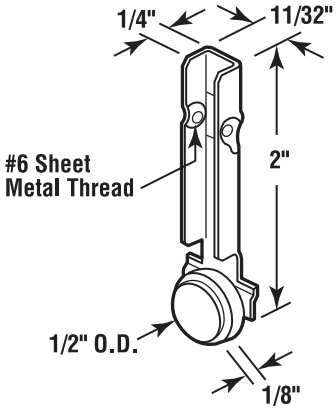
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1409	1-1/16" Guide Leg	171733	2
347-1410	1/8" Guide Leg	17698	2



Black nylon housing; nylon roller; 1/16" guide leg; fits on Premiere and others.

ROLLER ASSEMBLY

STOCK NO.	Mfr. #	UNIT PKG.
347-1411	17721	2

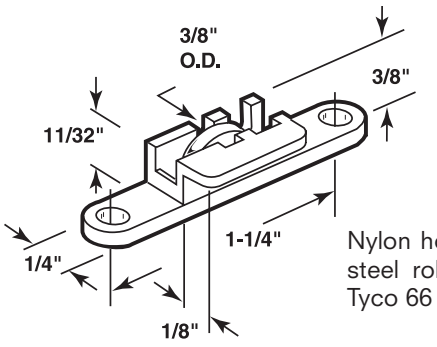


Stamped aluminum housing; 1/8" x 1/2" roller; fits on International windows and others.

ROLLER ASSEMBLY

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1412	Nylon Roller	17239	1

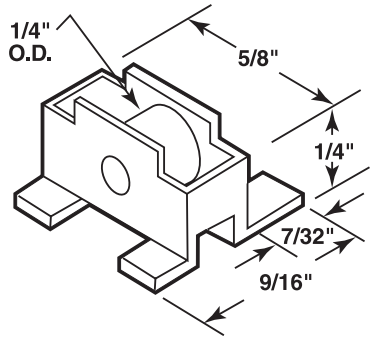
Sliding Window Rollers & Accessories



Nylon housing with flat edge steel roller; fits on Tomray's Tyco 66 windows.

ROLLER ASSEMBLY

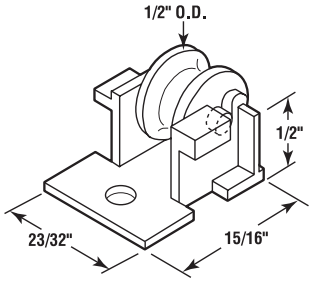
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1413	Steel Roller	172917	4



Offset guide leg; flat edge roller; nylon housing; fits on Radco, Glass Emporium and others.

ROLLER ASSEMBLY

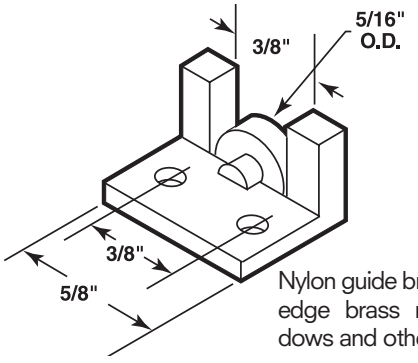
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1414	Nylon Roller	172567	2



Nylon housing with 7/16" diameter steel, center grooved roller; fits on Krestmark.

ROLLER ASSEMBLY

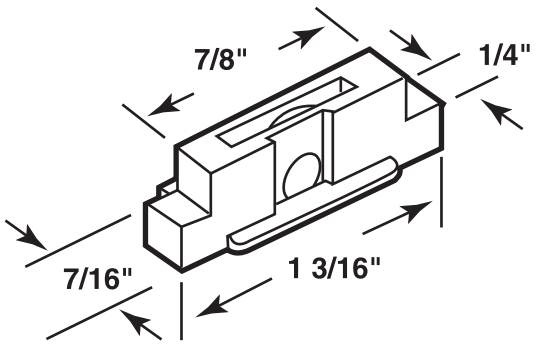
STOCK NO.	Mfr. #	UNIT PKG.
347-1415	171699	2



Nylon guide bracket; 5/16" diameter flat edge brass roller; Elco/Century windows and others.

ROLLER ASSEMBLY

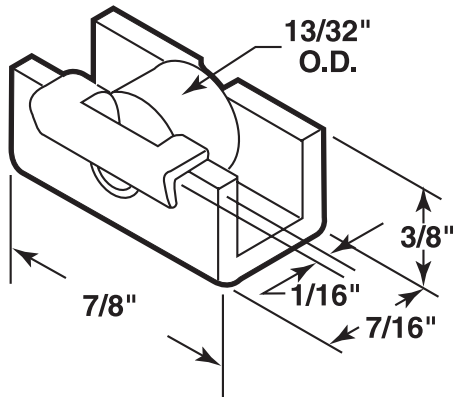
STOCK NO.	Mfr. #	UNIT PKG.
347-1416	17633	2



Nylon housing; 1/16" x 3/8" flat edge steel roller; fits on Daryl.

ROLLER ASSEMBLY

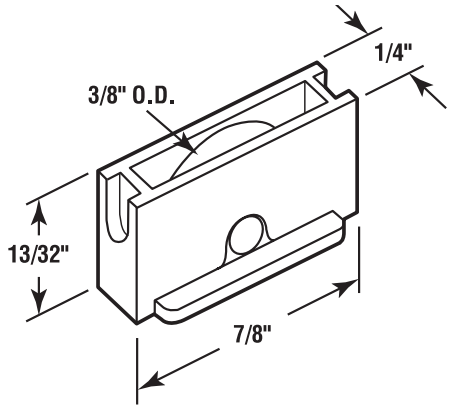
STOCK NO.	Mfr. #	UNIT PKG.
347-1417	17429	2



Nylon housing; 1/16" guide leg; flat edge nylon roller; fits on Rolleze windows.

ROLLER ASSEMBLY

STOCK NO.	Mfr. #	UNIT PKG.
347-1418	171391	2

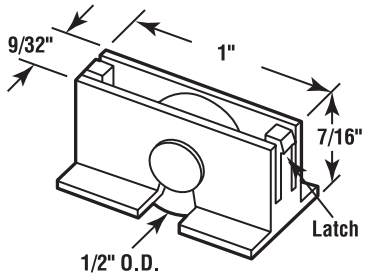


Nylon housing; 3/8" diameter flat edge roller; fits on Elco, Better-Bilt Aluminum and others.

ROLLER ASSEMBLY

STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1419	Nylon Roller	171864	2
347-1420	Brass Roller	171490	2

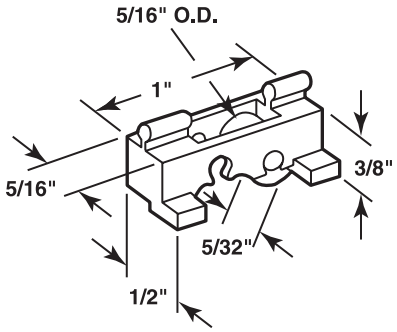
Sliding Window Rollers & Accessories



Nylon housing with 1/2" diameter steel roller; fits on Superlite Series 8000 windows and others

ROLLER ASSEMBLY

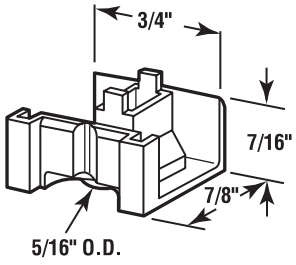
STOCK NO.	Mfr. #	UNIT PKG.
347-1421	171921	2



Adjustable nylon housing; 5/32" x 5/16" flat edge steel roller; 2 position height adjustment; fits on Olson and others.

ROLLER AND GUIDE ASSEMBLY

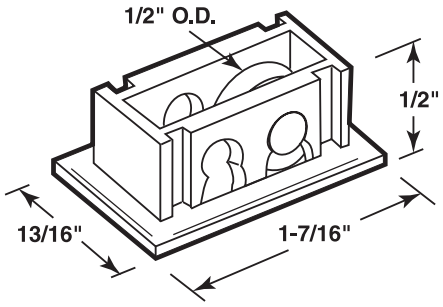
STOCK NO.	Mfr. #	UNIT PKG.
347-1422	17402	2



Nylon housing; 5/16" x 5/16" flat edge steel roller; fits on Keller window.

ROLLER ASSEMBLY

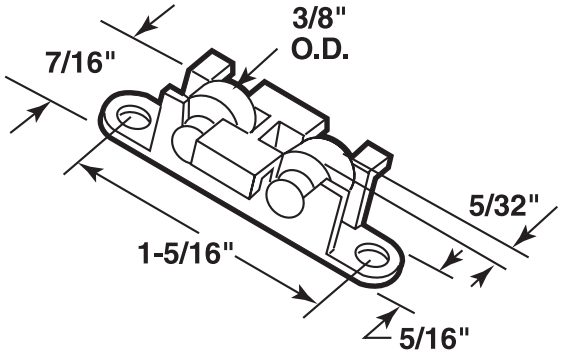
STOCK NO.	Mfr. #	UNIT PKG.
347-1423	171080	2



Nylon housing; flat edge steel roller; fits on Acorn "Series 2100" thru "Series 2300" new style windows and others.

ROLLER ASSEMBLY

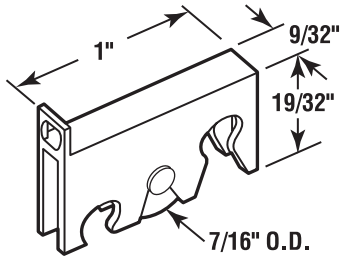
STOCK NO.	Mfr. #	UNIT PKG.
347-1424	172538	2



Nylon housing; flat edge tandem rollers; fits on House of Aluminum and others.

ROLLER ASSEMBLY

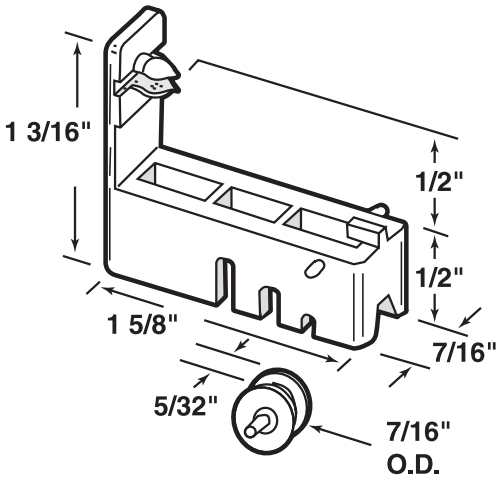
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1425	Nylon Roller	171920	2
347-1426	Brass Roller	172548	2



Nylon housing; 7/16" diameter steel roller; 3-position height adjustments; fits on Alenco and others.

ROLLER ASSEMBLY

STOCK NO.	Mfr. #	UNIT PKG.
347-1427	172550	2

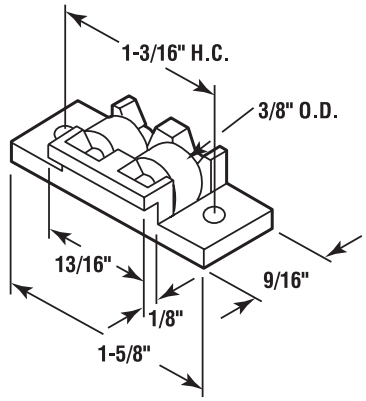


Nylon housing with 5/32" x 7/16" center groove steel roller; 3-position height adjustment; fits on Glasco windows and others.

ROLLER ASSEMBLY

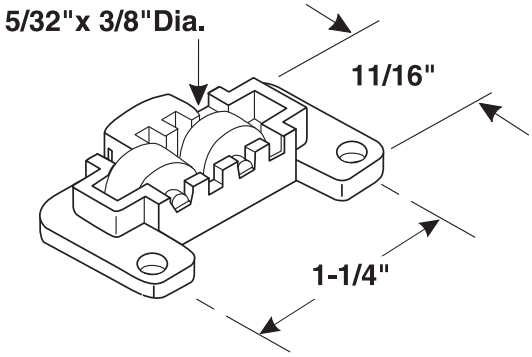
STOCK NO.	Mfr. #	UNIT PKG.
347-1428	17364	1

Sliding Window Rollers & Accessories



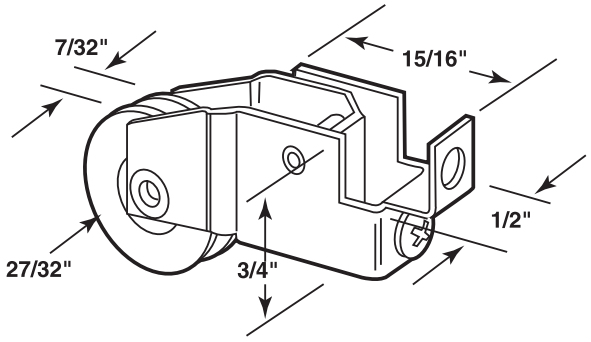
Nylon housing; dual steel rollers; fits on Tomray's Tyco 77 dual glazed windows and others.

ROLLER ASSEMBLY		
STOCK NO.	**Mfr. #**	**UNIT PKG.**
347-1429	171967	2



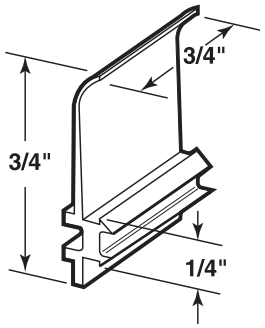
Black nylon housing; brass roller; steel axles.

ROLLER ASSEMBLY		
STOCK NO.	**Mfr. #**	**UNIT PKG.**
347-1430	172562	2



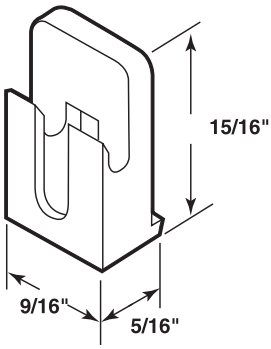
Used as a bottom roller on heavy sliding glass windows; adjustable steel housing with 7/32" x 27/32" center grooved roller.

ROLLER ASSEMBLY			
STOCK NO.	**Type**	**Mfr. #**	**UNIT PKG.**
347-1431	Nylon Ball Bearing	17396	2
347-1432	Steel Ball Bearing	17396-S	2



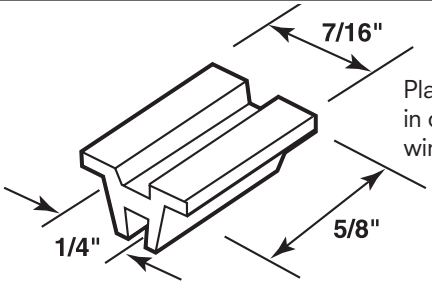
Nylon top guide; fits on Pacific old style windows and others.

TOP GUIDE		
STOCK NO.	**Mfr. #**	**UNIT PKG.**
347-1433	17717	2



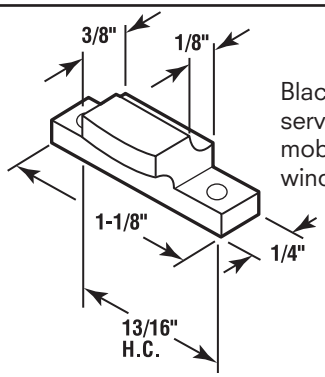
Black nylon top guide and anti-rattler; popular on mobile homes; fits on Phillips windows and others.

TOP GUIDE		
STOCK NO.	**Mfr. #**	**UNIT PKG.**
347-1434	172543	4



Plastic top guide; snap-in design; fits on Radco windows and others.

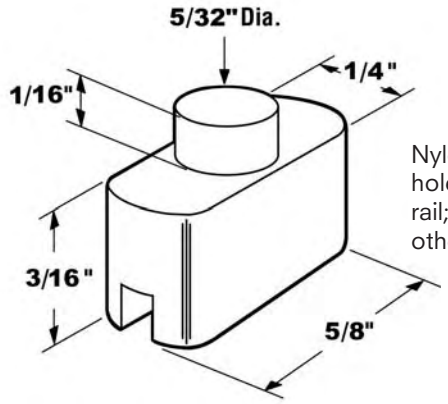
TOP GUIDE		
STOCK NO.	**Mfr. #**	**UNIT PKG.**
347-1435	17607	2



Black nylon bottom guide also serves as a glide; popular on mobile homes; fits on Phillips windows and others.

BOTTOM GUIDE		
STOCK NO.	**Mfr. #**	**UNIT PKG.**
347-1436	171394	4

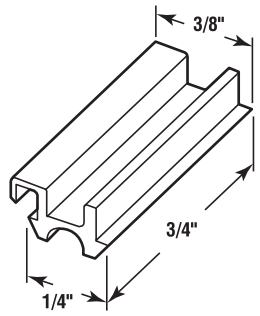
Sliding Window Rollers & Accessories



Nylon glide snaps into hole in bottom vent rail; fits on Alenco and others.

BOTTOM GUIDE

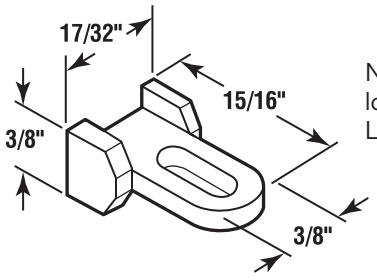
STOCK NO.	Mfr. #	UNIT PKG.
347-1437	171956	4



Nylon glide acts as a roller on sliding aluminum windows; fits on Alenco and others.

BOTTOM GUIDE

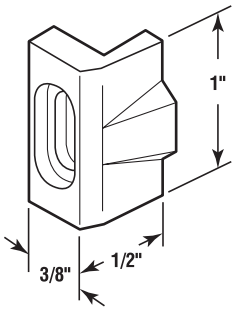
STOCK NO.	Mfr. #	UNIT PKG.
347-1506	171121	4



Nylon guide; installs on lock side of window; fits on Likit windows and others.

GUIDE

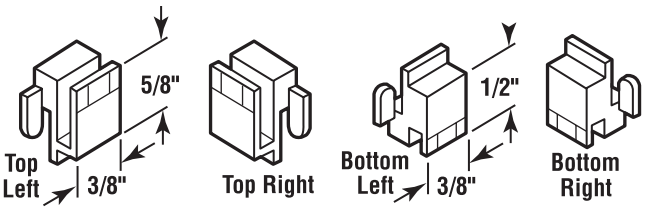
STOCK NO.	Mfr. #	UNIT PKG.
347-1438	17678	2



Nylon guide; installs on lock side of window; fits on Likit windows and others.

GUIDE & BUMPER

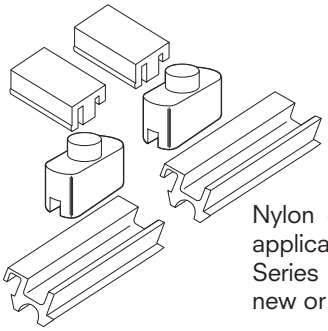
STOCK NO.	Mfr. #	UNIT PKG.
347-1439	17677	2



Nylon guides mount on each corner and act as a glide and guide; fits on Likit windows and others. Four per set.

CORNER GUIDE SET

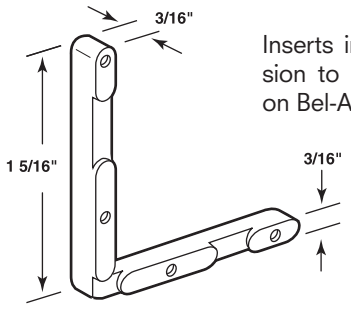
STOCK NO.	Mfr. #	UNIT PKG.
347-1440	17676	1 SET



Nylon guides and glides; snap-in application; used to repair Alenco Series 200 sliding windows, either new or old style

ALENCO REPAIR KIT

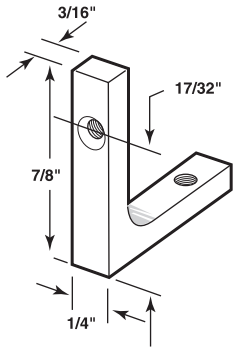
STOCK NO.	Mfr. #	UNIT PKG.
347-1441	171922	2



Inserts into window frame extrusion to hold frame together; fits on Bel-Air and others.

CORNER INSERT

STOCK NO.	Mfr. #	UNIT PKG.
347-1442	172487	8

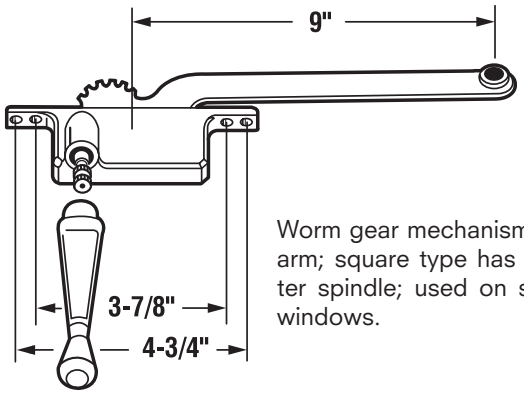


Extruded aluminum corner; No. 5-40 x 5/16" Phillips flat head machine screws.

CORNER INSERT

STOCK NO.	Mfr. #	UNIT PKG.
347-1443	172470	4

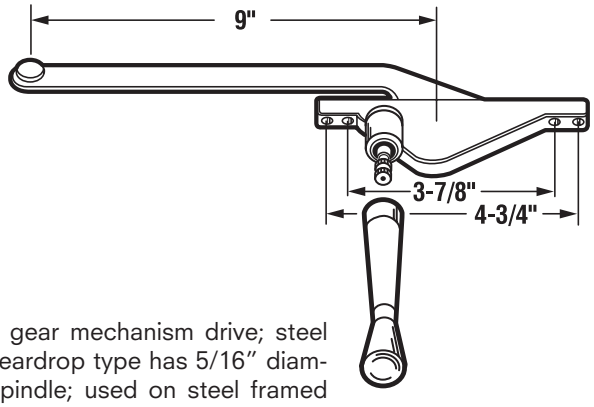
Casement, Jalousie & Sash Accessories



Worm gear mechanism drive; steel arm; square type has 3/8" diameter spindle; used on steel framed windows.

WORM GEAR MECHANISM SQUARE MANUFACTURER

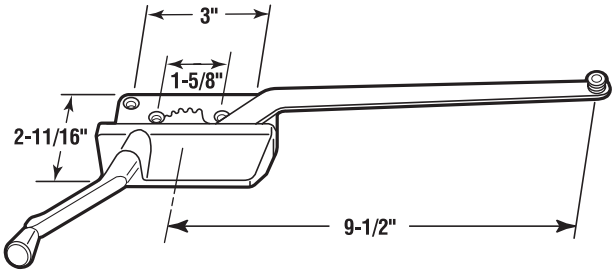
STOCK NO.	Finish	Hand	Mfr. #	UNIT PKG.
347-1444	Bronze	Right	17390-RB-8	1
347-1445	Bronze	Left	17390-LB-8	1
347-1446	Aluminum	Right	17390-RA	1
347-1447	Aluminum	Left	17390-LA	1
347-1448	Bronze	Right	17390-RB	1
347-1449	Bronze	Left	17390-LB	1
347-1450	White	Right	17390-RW	1
347-1451	White	Left	17390-LW	1

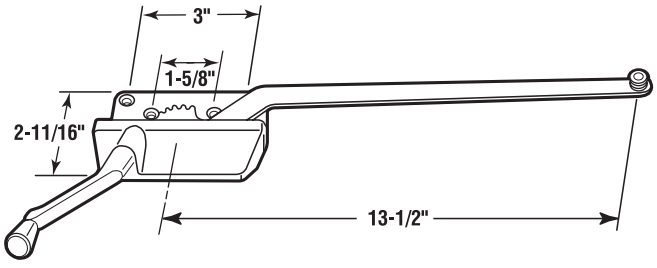


Worm gear mechanism drive; steel arm; teardrop type has 5/16" diameter spindle; used on steel framed windows.

WORM GEAR MECHANISM TEARDROP MANUFACTURER

STOCK NO.	Finish	Hand	Mfr. #	UNIT PKG.
347-1508	Aluminum	Right	1762-RA	1
347-1509	Aluminum	Left	1762-LA	1
347-1510	Bronze	Right	1762-RB	1
347-1511	Bronze	Left	1762-LB	1
347-1512	White	Right	1762-RW	1
347-1513	White	Left	1762-LW	1

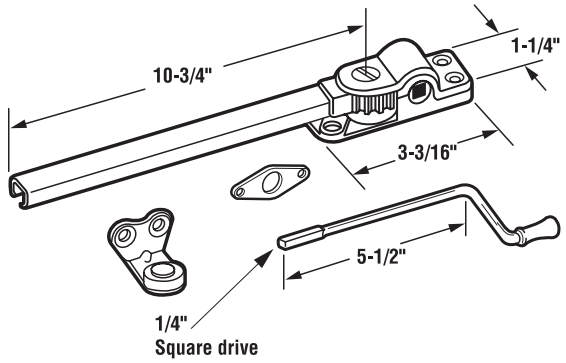




Worm gear mechanism drive; steel arm; used on wood and vinyl framed windows.

WORM GEAR MECHANISM. BRONZE FINISH.

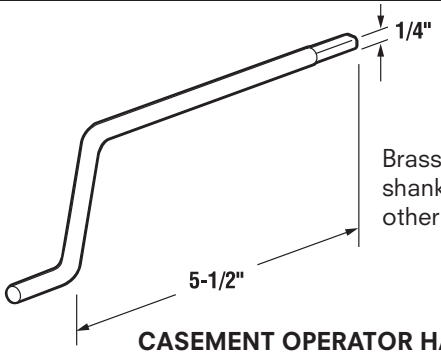
STOCK NO.	Arm Length	Spindle Dia.	Hand	Mfr. #	UNIT PKG.
347-1452	9-1/2"	11/32"	Right	171067-R	1
347-1453	9-1/2"	11/32"	Left	171067-L	1
347-1454	13-1/2"	11/32"	Right	171607-R	1
347-1455	13-1/2"	11/32"	Left	171607-L	1



Reversible, non-handed requires 1-3/8" space between screen and sash; heavy cast worm gear with steel arm; full 90° motion in both directions; use on Parlyn and others.

WORM GEAR MECHANISM

STOCK NO.	Arm Finish	Mfg. #	UNIT PKG.
347-1456	Uni-Chrome	17975	1

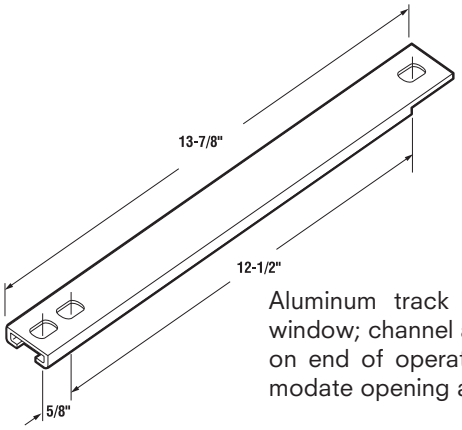


Brass plated; 1/4" square shank; fits on Wesco and other type operators.

CASEMENT OPERATOR HANDLE

STOCK NO.	Mfg. #	UNIT PKG.
347-1457	17976	1

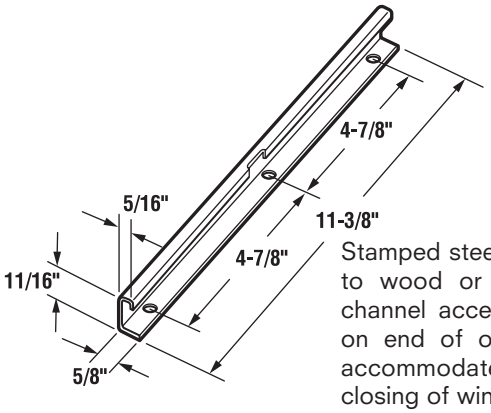
Casement, Jalousie & Sash Accessories



Aluminum track attaches to steel window; channel accepts guide rivet on end of operator arm to accommodate opening and closing.

CASEMENT TRACK FOR STEEL CASEMENTS

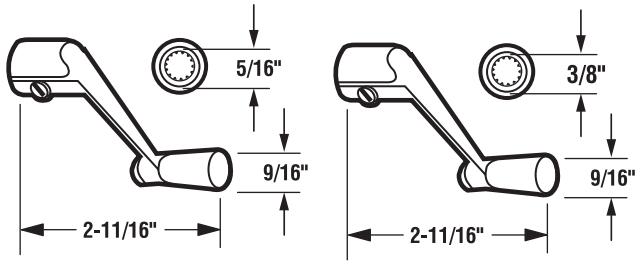
STOCK NO.	Mfr. #	UNIT PKG.
347-1458	17407	1



Stamped steel track attaches to wood or vinyl windows; channel accepts guide roller on end of operator arm to accommodate opening and closing of window.

CASEMENT TRACK FOR WOOD OR VINYL

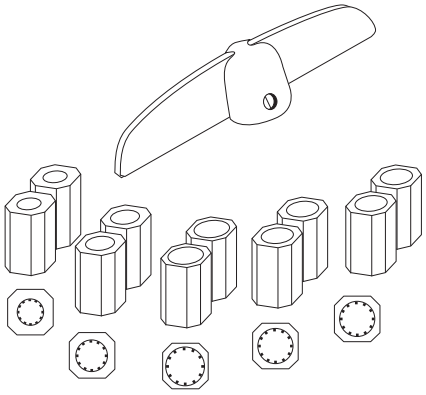
STOCK NO.	Mfr. #	UNIT PKG.
347-1459	171720	1



Diecast handle; universal design; this crank style handle offers excellent torque for easiest opening and closing of window.

DIECAST HANDLES

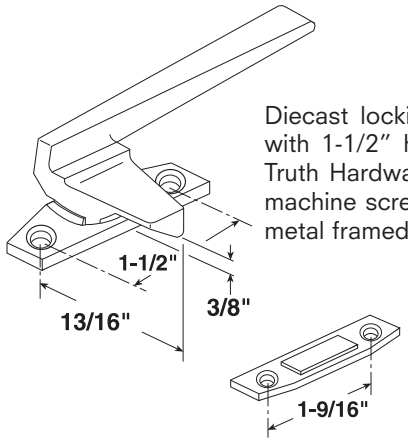
STOCK NO.	Finish	Bore Size	Projection	Mfr. #	UNIT PKG.
347-1460	Alum	5/16"	2-11/16"	17240	1
347-1461	Bronze	5/16"	2-11/16"	17240-B	1
347-1462	White	5/16"	2-11/16"	17240-W	1
347-1463	Bronze	11/32"	3"	171925	1
347-1464	Alum	3/8"	2-11/16"	17240-2	1
347-1465	Bronze	3/8"	2-11/16"	17240-2-B	1
347-1466	White	3/8"	2-11/16"	17240-2-W	1
347-1467	Alum	3/8"	3-1/2"	171876	1



Diecast handles; 2 diecast adapters for each of 5 different popular bore sizes; appropriate adapter fits over spindle on operator; "T" handle then fits over adapter and is locked onto spindle with a set screw.

DIECAST HANDLES

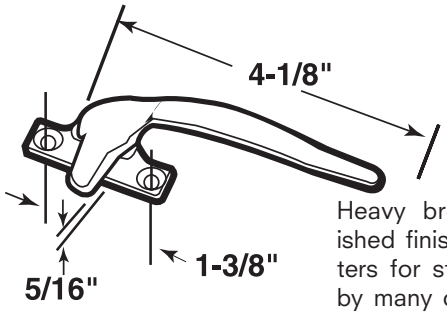
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1468	Aluminum	173234-A	2
347-1469	Bronze	173234-B	2
347-1470	Champagne	173234-C	2
347-1471	White	173234-W	2



Diecast locking handle and keeper with 1-1/2" hole centers; similar to Truth Hardware; uses #10 flat head machine screws commonly used on metal framed windows.

DIECAST HANDLES

STOCK NO.	Finish	Hand	Mfr. #	UNIT PKG.
347-1472	Aluminum	Right	171858-R	1
347-1473	Aluminum	Left	171858-L	1
347-1474	Bronze	Right	171924-R	1
347-1475	Bronze	Left	171924-L	1
347-1476	White	Right	171926-R	1
347-1507	White	Left	171926-L	1

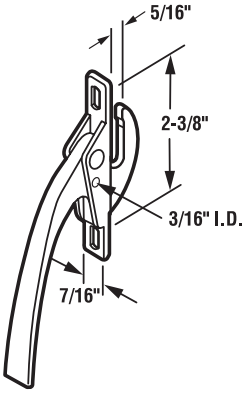


Heavy bronze casting; polished finish; 1-3/8" hole centers for steel windows; used by many commercial window manufacturers.

BRONZE CAST HANDLE

STOCK NO.	Hand	Mfr. #	UNIT PKG.
347-1477	Right	172620-R	1
347-1478	Left	172620-L	1

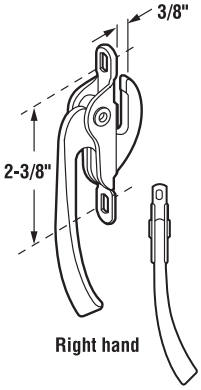
Casement, Jalousie & Sash Accessories



Painted diecast window lock for aluminum or steel windows; accepts a 1/8" security pin.

CASEMENT LOCKING HANDLE

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1479	Aluminum	1760	1
347-1480	Bronze	1760-B	1

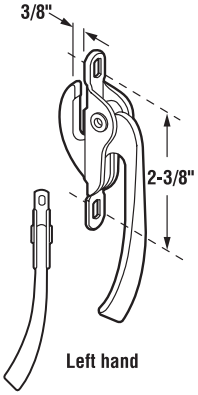


Right hand; painted diecast locking handle used on double windows with narrow center rail.

CASEMENT LOCKING HANDLE (RIGHT HAND)

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1481	Aluminum	1760-A-RA	1
347-1482	Bronze	1760-A-RB	1
347-1483	White	1760-A-RW	1
347-1484	Red	172678-R	1

(For Emergency Exits)

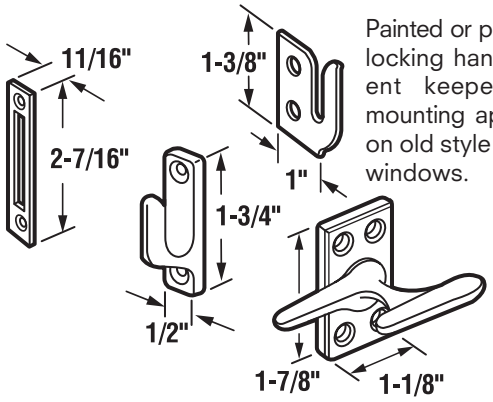


Left hand; painted diecast locking handle used on double windows with narrow center rail.

CASEMENT LOCKING HANDLE (LEFT HAND)

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1485	Aluminum	1760-A-LA	1
347-1486	Bronze	1760-A-LB	1
347-1487	White	1760-A-LW	1
347-1488	Red	172679-L	1

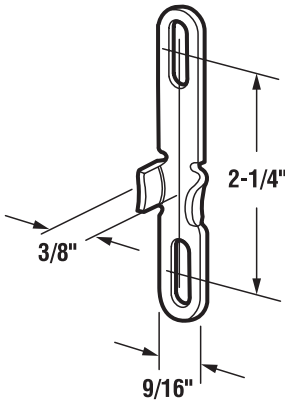
(For Emergency Exits)



Painted or plated zinc diecast locking handle has 3 different keepers for special mounting applications; used on old style wood casement windows.

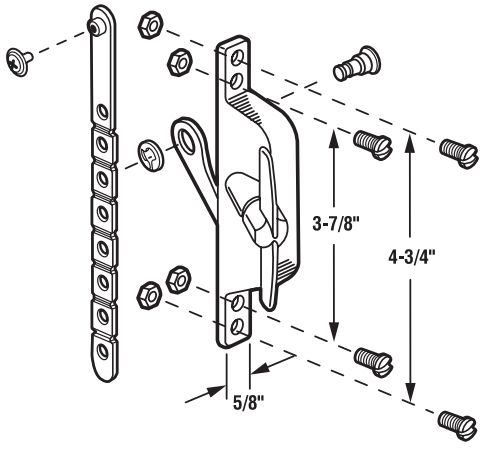
CASEMENT LOCK

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1489	Brass	171857	1
347-1490	White	171857-W	1



Stamped aluminum keeper works on many types of casement windows.

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1491	Aluminum	17408	1

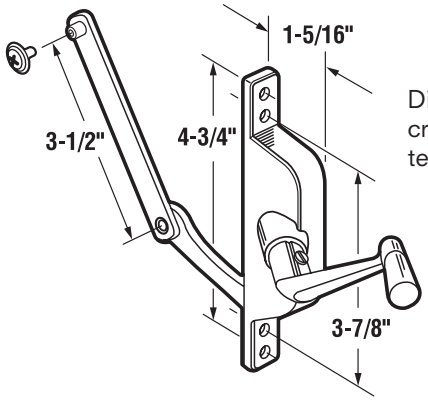


Replaces most operators currently in use; diecast construction; reversible; non-handed; universal break-off link has 1" hole spacings up to 5-5/16", has a 5/16" spindle, and diecast "T" handle.

UNIVERSAL LOUVER OPERATOR

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1492	Aluminum	17370	1
347-1493	Bronze	17370-B	1
347-1494	White	17370-W	1

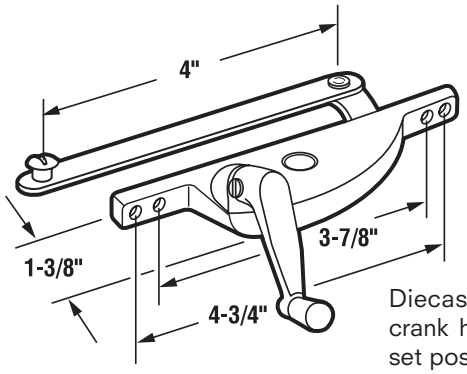
Casement, Jalousie & Sash Accessories



Diecast operator with crank handle at the center position; 3-1/2" link.

JALOUSIE OPERATOR

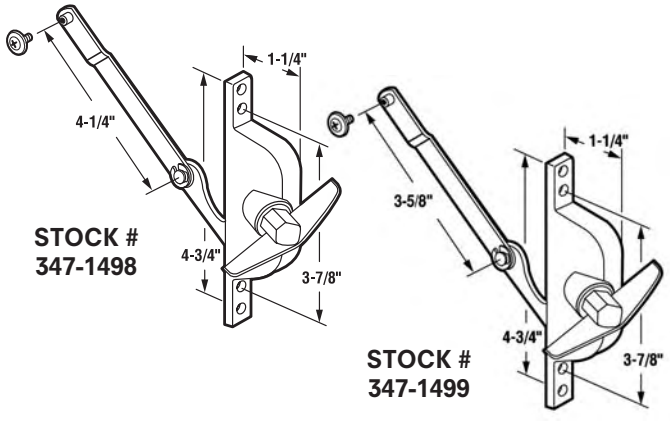
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1495	Aluminum	1761	1



Diecast operator with crank handle at the offset position; 4" link.

JALOUSIE OPERATOR

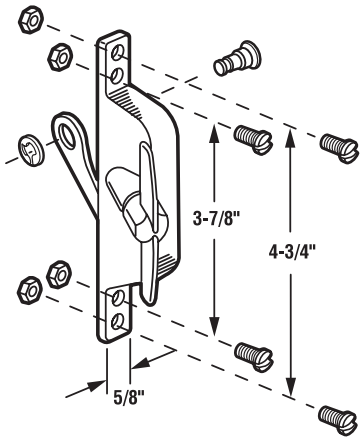
STOCK NO.	Hand	Mfr. #	UNIT PKG.
347-1496	Left	1761-L	1
347-1497	Right	1761-R	1

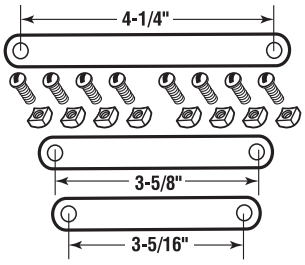


Diecast operator fits on Daryl windows; offset link; center position "T" handle.

JALOUSIE OPERATOR

STOCK NO.	Finish	Link	Mfr. #	UNIT PKG.
347-1498	Aluminum	4-1/4"	17430	1
347-1499	Aluminum	3-5/8"	172850	1

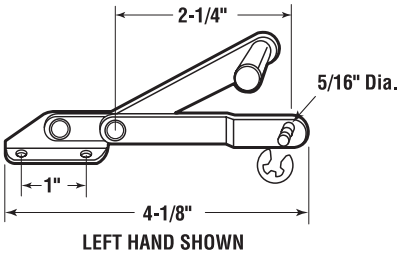




Diecast operator with 3 link assortment; center position "T" handle; designed to replace most jalousie operators.

JALOUSIE OPERATOR

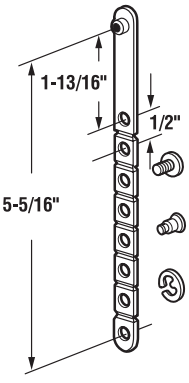
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1500	Aluminum	171398	1
347-1501	Bronze	171398-B	1



Aluminum construction; grooved stud attaches to moving arm; complete with steel "E" ring; fits on international windows.

LOUVER OR JALOUSIE OPERATOR

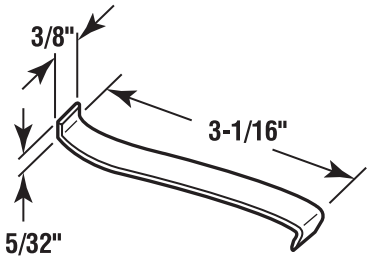
STOCK NO.	Hand	Mfr. #	UNIT PKG.
347-1502	Left	17634-L	1
347-1503	Right	17634-R	1



Break-off link is designed to be used with most jalousie operators to provide many selections for linkage hole patterns; cadmium plated steel; adjustment holes at 1/2" spacing.

UNIVERSAL BREAK-OFF LINK

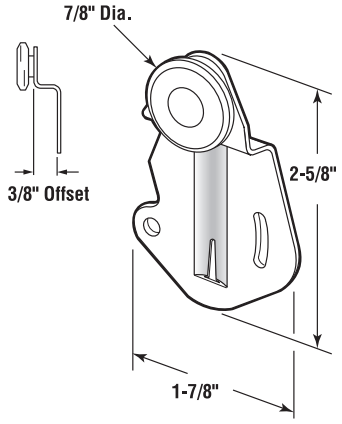
STOCK NO.	Mfr. #	UNIT PKG.
347-1504	17360	1



Plated spring steel clips; slip under louver glass clip to secure glass in position; deters easy removal of glass panels; no tools required.

JALOUSIE WINDOW SECURITY CLIP

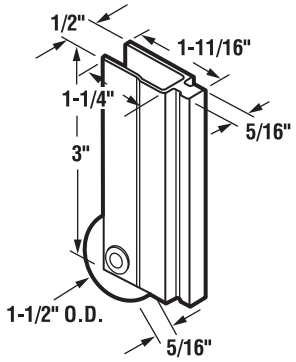
STOCK NO.	Size	Mfr. #	UNIT PKG.
347-1505	For 4" Glass	171944	1



Top hung; 7/8" diameter oval edge nylon wheel; for "V" track; adjustable steel bracket; fits on Johnson Hardware.

ROLLER

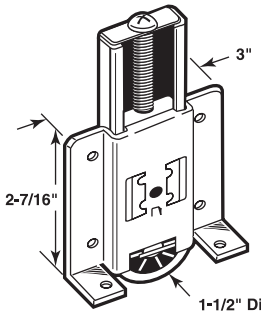
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1619	Back - 3/8" Offset	162455	2



1-1/2" diameter nylon ball bearing wheel with adjustable aluminum housing bracket; bracket has "T" shaped extruded base; fits on Contractor's Mirror Door Company.

ROLLER

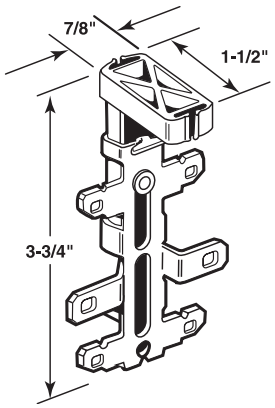
STOCK NO.	Mfr. #	UNIT PKG.
347-1620	161931	1



Adjustable steel housing with 1-1/4" diameter concave, non-ball bearing plastic wheel; used on Cox Series 21 and 22 Steel Door Systems.

MIRROR DOOR ROLLER

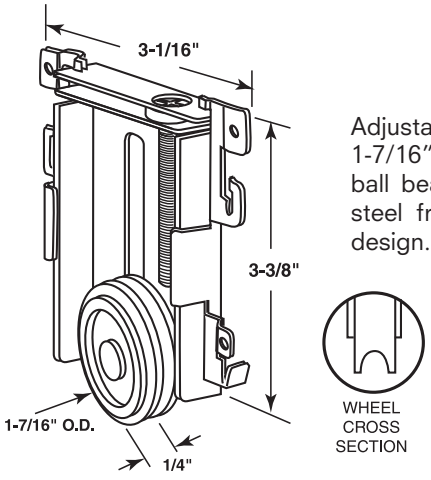
STOCK NO.	Mfr. #	UNIT PKG.
347-1621	161772	1



Steel snap-in design housing with plastic guide head; used on Cox Series 21 Steel Door Systems.

MIRROR DOOR TOP GUIDE

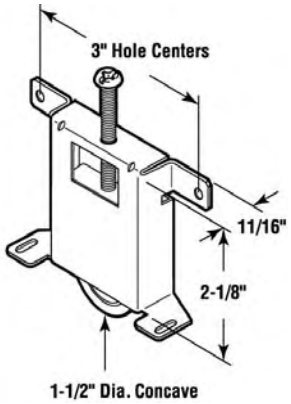
STOCK NO.	Mfr. #	UNIT PKG.
347-1622	163156	2



Adjustable steel housing with 1-7/16" dia. concave nylon ball bearing wheel; used on steel framed doors, snap-in design.

MIRROR DOOR ROLLER

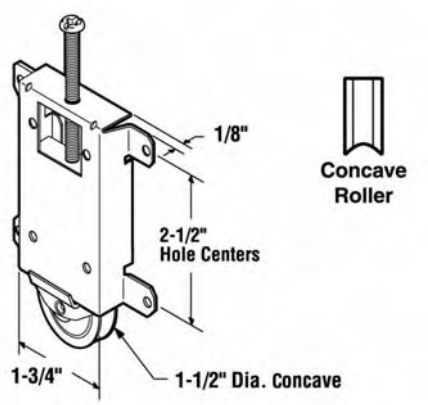
STOCK NO.	Mfr. #	UNIT PKG.
347-1623	163158	1



Adjustable steel housing; 1-1/2" diameter concave nylon ball bearing wheel; most commonly used on wood framed sliding mirror doors.

MIRROR DOOR ROLLER

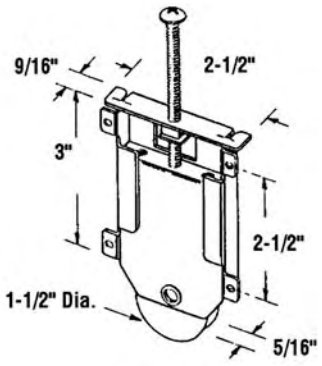
STOCK NO.	Mfr. #	UNIT PKG.
347-1624	163169	1



Adjustable steel housing; 1-1/2" diameter nylon wheel; fits on Contractor's Mirror door.

MIRROR DOOR ROLLER

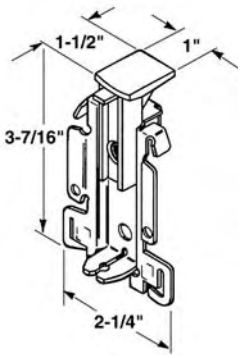
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1625	Concave Roller	163172	1
347-1626	Narrow Style - Flat	163194	1



1-1/2" diameter concave nylon ball bearing wheel; steel housing with adjustment screw; fits on Monarch Mirror Door's "L" series steel frame door.

MIRROR DOOR ROLLER

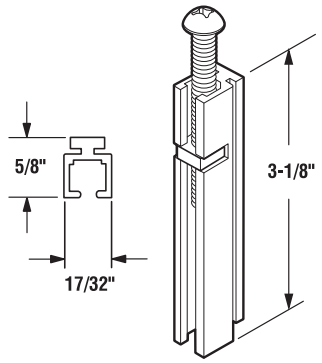
STOCK NO.	Mfr. #	UNIT PKG.
347-1627	16661	1



Steel snap-in design housing with plastic guide head; used on steel framed doors.

MIRROR DOOR TOP GUIDE

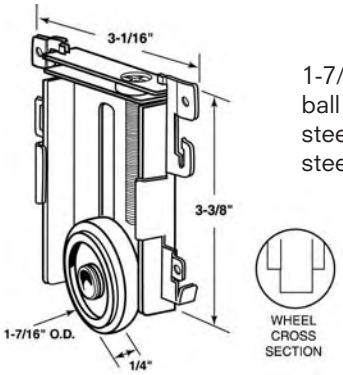
STOCK NO.	Mfr. #	UNIT PKG.
347-1628	163159	2



Extruded aluminum adjustment bracket used with Stock No. 347-1620; fits on Contractor's Mirror Door on aluminum framed doors.

MIRROR DOOR ROLLER MOUNTING BRACKET

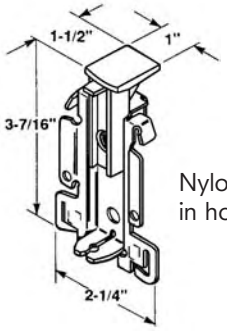
STOCK NO.	Mfr. #	UNIT PKG.
347-1629	163174	1



1-7/16" diameter flat nylon non-ball bearing wheel with adjustable steel housing, snap-in bracket for steel framed doors.

MIRROR DOOR BOTTOM ROLLER

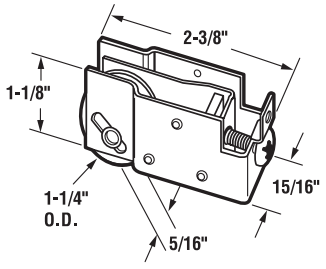
STOCK NO.	Mfr. #	UNIT PKG.
347-1630	161882	1



Nylon top guide; stamped steel, snap-in housing; for steel framed doors.

MIRROR DOOR TOP GUIDE

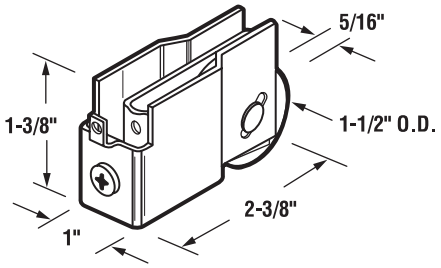
STOCK NO.	Mfr. #	UNIT PKG.
347-1631	163147	2



1-1/4" diameter nylon ball bearing wheel; adjustable steel housing assembly.

MIRROR DOOR ROLLER ASSEMBLY

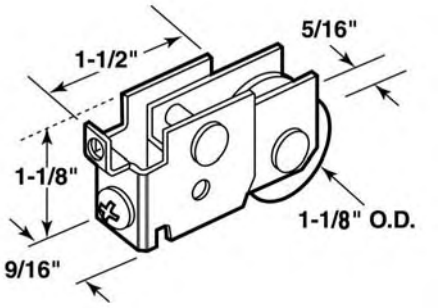
STOCK NO.	Mfr. #	UNIT PKG.
347-1632	163095	1



1-1/2" diameter ball bearing wheel; adjustable steel housing assembly; fits on Joe Keith Company.

MIRROR DOOR ROLLER ASSEMBLY

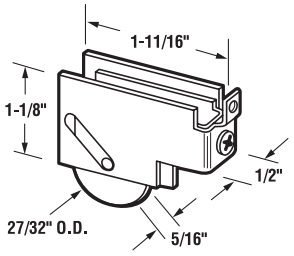
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1633	Steel Ball Bearing	163096	1



Ball bearing wheel; adjustable steel housing assembly; overall width at flare is 11/16"; fits on Crest Mirror Door, Manufacturer's Mirror Door and others.

MIRROR DOOR ROLLER ASSEMBLY

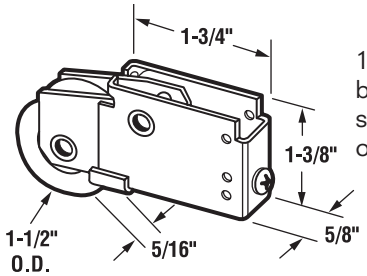
STOCK NO.	Type	Mfr. #	UNIT PKG.
347-1634	1-1/8" Steel	162399	1
347-1635	1-1/4" Nylon	161932	1



27/32" diameter steel ball bearing wheel; adjustable steel housing assembly; fits on Manufacturer's Mirror Door and House of Aluminum.

MIRROR DOOR ROLLER ASSEMBLY

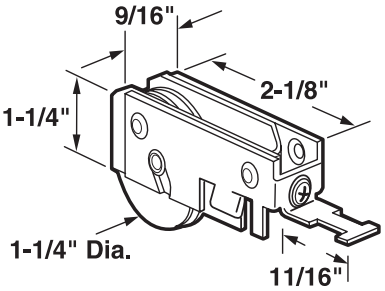
STOCK NO.	Mfr. #	UNIT PKG.
347-1636	163098	1

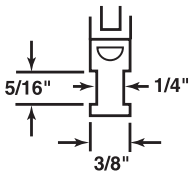


1-1/2" diameter nylon ball bearing wheel; adjustable steel housing assembly; fits on Marshall Door.

MIRROR DOOR ROLLER ASSEMBLY

STOCK NO.	Mfr. #	UNIT PKG.
347-1637	161771	1

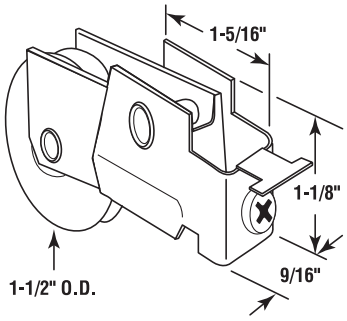




1-1/4" diameter nylon ball bearing wheel; adjustable steel housing assembly; fits on Bay King and other door manufacturers.

MIRROR DOOR ROLLER ASSEMBLY

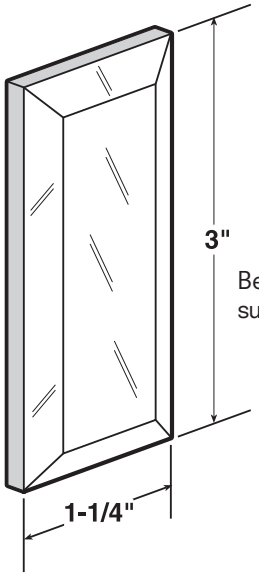
STOCK NO.	Mfr. #	UNIT PKG.
347-1638	163195	1



1-1/2" diameter nylon ball bearing wheel; adjustable steel housing assembly; overall width at flare is 25/32".

MIRROR DOOR ROLLER ASSEMBLY

STOCK NO.	Mfr. #	UNIT PKG.
347-1639	163192	1



Bevelled mirrored glass pull; pressure sensitive adhesive backing.

MIRROR DOOR PULL

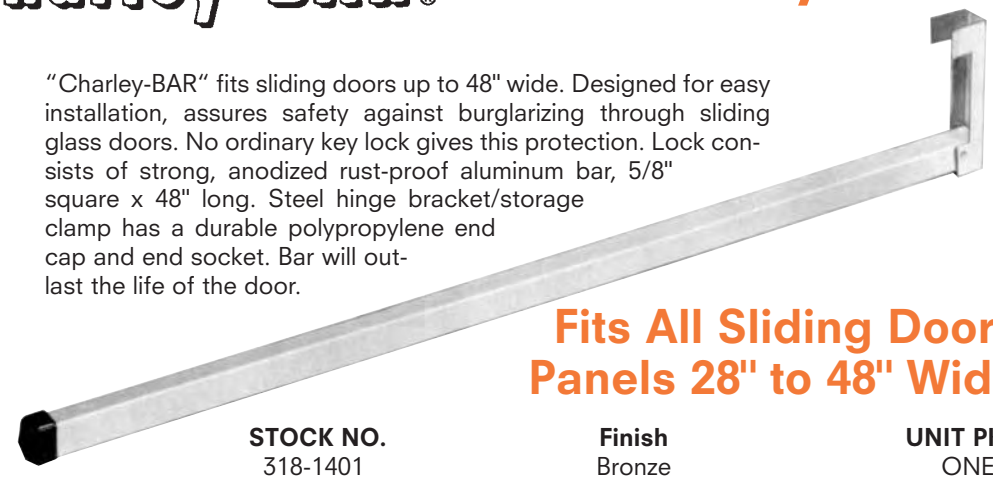
STOCK NO.	Mfr. #	UNIT PKG.
347-1640	161783	2

Patio Door Security Locks

"Charley-BAR"® Patio Safety Lock



"Charley-BAR" fits sliding doors up to 48" wide. Designed for easy installation, assures safety against burglarizing through sliding glass doors. No ordinary key lock gives this protection. Lock consists of strong, anodized rust-proof aluminum bar, 5/8" square x 48" long. Steel hinge bracket/storage clamp has a durable polypropylene end cap and end socket. Bar will outlast the life of the door.



Fits All Sliding Door Panels 28" to 48" Wide

STOCK NO.	Finish	UNIT PKG.
318-1401	Bronze	ONE
318-1402	Aluminum	ONE

Note: The black plastic saddle has steel key to prevent raising of bar from outside by a wire or other entry device. Also keeps small children from opening the door from the inside.

MITEY-LOK Patio Door Locks



Slide Bolt Lock



Keyed Lock

- **Prevents Lift Out or the Prying Open of Patio Doors**
- **For All Types of Sliding Glass Doors and Windows**
- **2-1/4" long - 1" high - 5/16" dia. bolt**

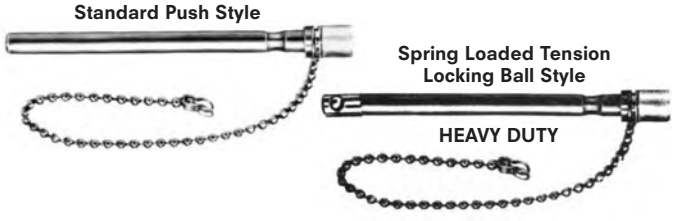
SLIDE BOLT LOCK

STOCK NO.	Description	Finish	UNIT PKG.
338-8211	Knob Lock	Aluminum Anodized	ONE
338-8213	Knob Lock	Bronze Anodized	ONE

KEY LOCK

STOCK NO.	Description	Finish	UNIT PKG.
338-8212	Key Lock/2 keys	Aluminum Anodz.	ONE

Patio Door Nite Lock Pins



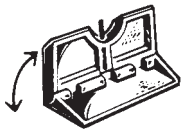
Easy to install. Simply drill correct sized hole in meeting stiles from interior side of door. Insert pin to lock. Includes Hardware.

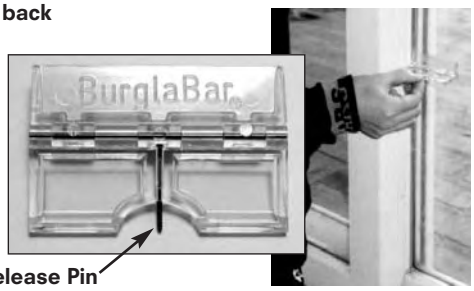
ALUMINUM FINISH

STOCK NO.	Description	Grip Lgth.	Dia.	UNIT PKG.
318-1890	Standard Push	2-1/2"	3/16"	ONE
318-1891	Spring Loaded	2-1/2"	1/4"	ONE

BurglaBar Patio Door & Window Lock

- **Peel off adhesive back**
- **Position on glass**
- **Bend to lock**
- **Pull pin to open**





Quick Release Pin

Ingenious locking device securely locks patio doors and sliding windows. Made of unbreakable Lexan, it installs onto glass with adhesive backing. Pulling release pin allows lock to fold flat. To lock, bend top hinge section and pin will fall into place, prohibiting door movement.

STOCK NO.	Dimensions	Finish	Contents	UNIT PKG.
318-1899	2" H x 3" W	Clear	2 locks	ONE



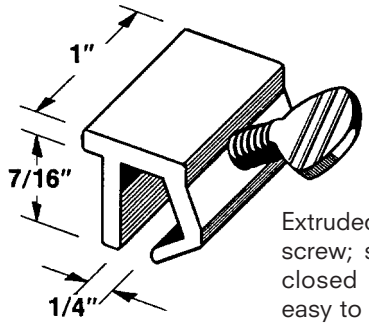
SOMACA

Metal Lube Spray

Performs Like Magic

Keep locks and sliding doors and windows well lubricated with Metal Lube. It cleans as it lubricates, and adds years of life wherever applied.

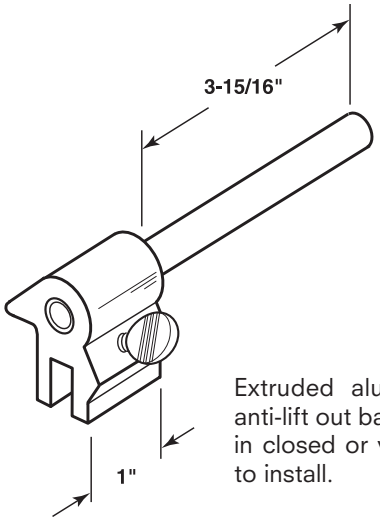
STOCK NO.	Size	UNIT PKG.
120-1200	11 oz.	ONE CAN



Extruded aluminum housing; steel screw; securely locks window in closed or ventilating position; easy to install.

ECONOMY LOCK

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1653	Aluminum	U-9980	2
347-1654	White	U-9982	2



Extruded aluminum; reversible with anti-lift out bar; securely locks window in closed or ventilating position; easy to install.

THUMBSCREW BAR LOCK

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1655	Aluminum	U-9833	1
347-1656	White	U-9835	1



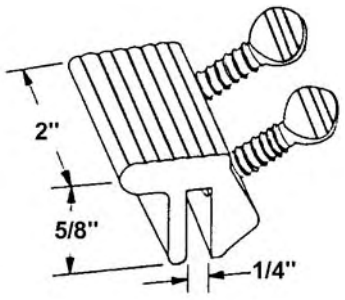
SOMACA

Silicone Spray Lubricant

Eliminates Squeaks, Reduces Friction

The perfect semi-dry silicone lubricant for many sliding door hardware applications. It also works as a static eliminator, demoisturizer and cleaner. Will not harm painted surfaces.

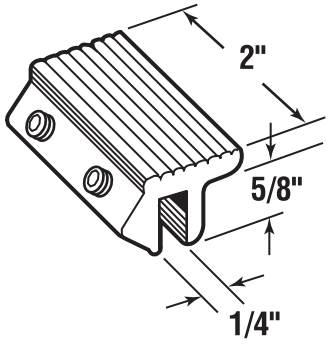
STOCK NO.	Size	UNIT PKG.
337-3103	12 oz.	ONE CAN



Heavy-duty cast aluminum with double thumbscrew; additional gripping power securely locks window in closed or ventilating position; easy to install.

DOUBLE THUMBSCREW LOCK

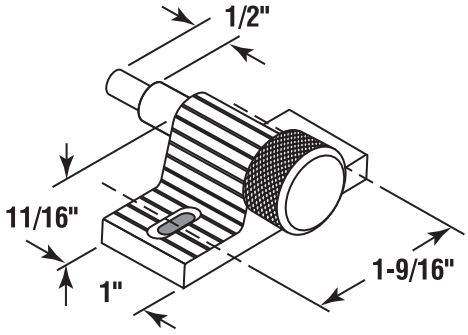
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1658	Aluminum	U-9805	1
347-1659	White	U-9807	1



Heavy-duty cast aluminum with tamperproof double hex security screw and wrench; additional gripping power securely locks window in closed or ventilating position; prevents accidental opening by children; easy to install.

TAMPERPROOF LOCK

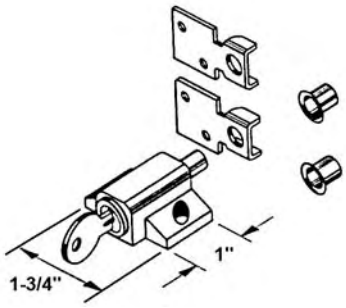
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1660	Aluminum	U-9815	1
347-1661	White	U-9817	1



Zinc plated and painted Zamac cast housing with twist-in action; aluminum bolt securely locks door in closed or ventilating position; prevents sliding and lifting of door.

TWIST-IN LOCK

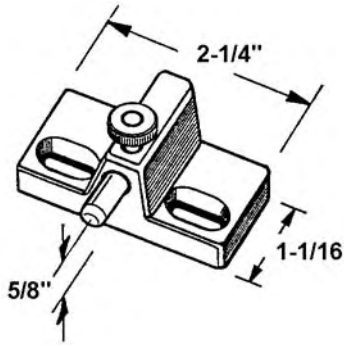
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1662	Zinc	U-9848	1
347-1663	White	U-9850	1



Painted diecast case with hardened steel bolt for push button locking; unlocks only with key; prevents prying or lifting of door; heavy-duty construction.

PUSH-IN KEYED LOCK

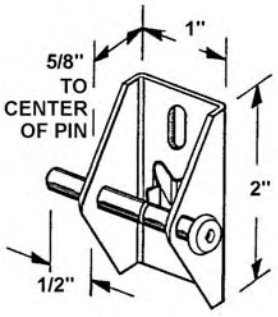
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1664	Aluminum	U-9861	2
347-1665	White	U-9862	2



Diecast painted housing with case-hardened steel bolt securely locks door in closed or ventilating position; prevents sliding or lifting of door.

SIDE BOLT LOCK

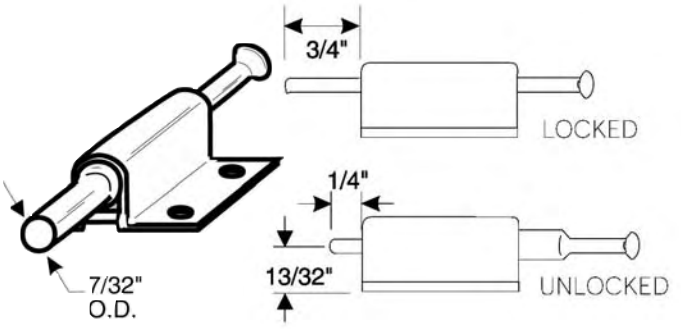
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1666	Aluminum	U-9866	2
347-1667	White	U-9867	2



Painted heavy gauge steel housing with hardened steel pin; securely locks door in closed or ventilating position; two position push/pull action prevents accidental lockout; also prevents sliding or lifting of door.

PUSH/PULL LOCK

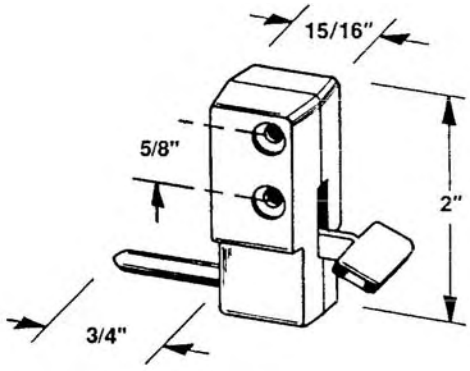
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1668	Aluminum	U-9853	2
347-1669	White	U-9855	2



Painted diecast housing with steel bolt; securely locks door in closed or ventilating position.

PUSH/PULL LOCK

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1670	White	U-9874	2



Painted diecast housing with hardened steel bolt; securely locks door in closed or ventilating position; convenient foot operation; easy to install.

STEP-ON LOCK

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1671	Aluminum	U-9877	1
347-1672	White	U-9879	1

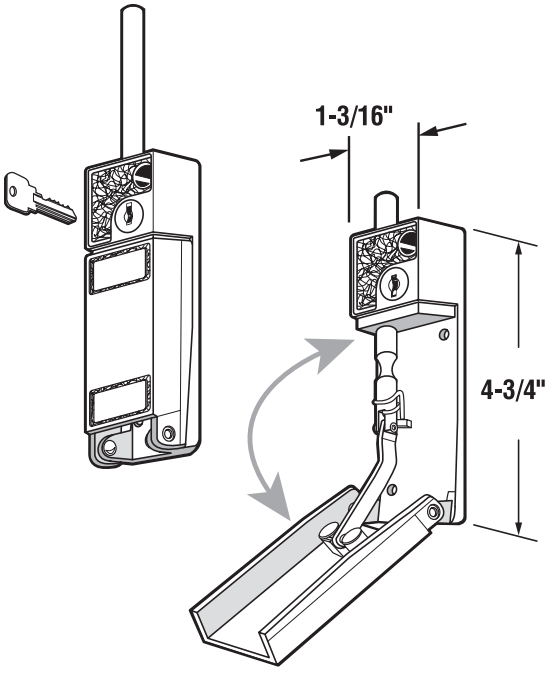
Power Tape Rules



- 3/4" and 1" Wide Blades

Yellow Blade with Black and Red Figures

STOCK NO.	Blade Width	Length	UNIT PKG.
210-9412	3/4"	12 ft.	ONE RULE
210-9416	3/4"	16 ft.	ONE RULE
210-9425	1"	25 ft.	ONE RULE



Painted diecast assembly; throw bolt may be manually locked or key locked; prevents forced entry; may be locked in ventilating position.

KEYED BOLT LOCK

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1609	Aluminum	U-9997	1
347-1610	White	U-9919	1

E-Z TONE Chimed Door Entry and Exit Signal

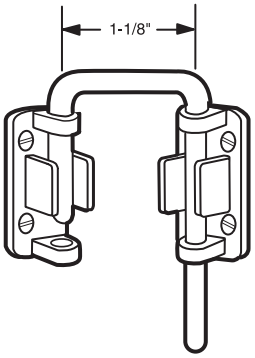
For In-Swing or Out-Swing Doors



• No Batteries • No Electricity
• Silencer to Shut Off Sound

Made of durable vinyl, signal is not only economical in price, but is trouble free in operation. No complex gadgetry to adjust or repair. All mounting templates and operating instructions come packed inside the chime. They fit all types of doors and jambs; steel, aluminum and wood.

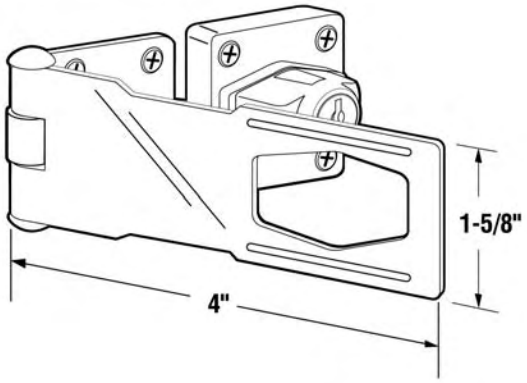
STOCK NO.	Finish	Size	Weight	UNIT PKG.
318-7200	Lt. Gray	9-3/8"	8 oz.	ONE
318-7201	Bronze	9-3/8"	8 oz.	ONE



Nickel plated, hardened steel locking rod with diecast bracket and keeper; secures door to jamb.

KEYED BOLT LOCK

STOCK NO.	Width	Mfr. #	UNIT PKG.
347-1611	1-1/8"	U-9846	1
347-1612	2-1/8"	U-9847	1

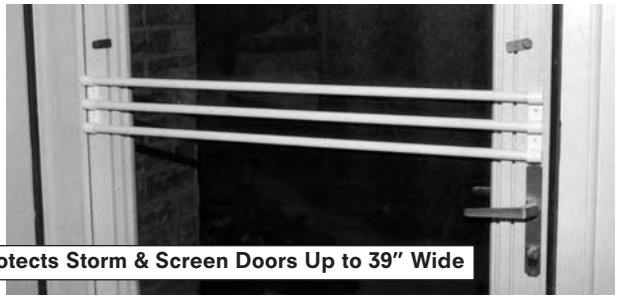


Plated steel hasp hinges over zinc diecast locking mechanism; twist keyed knob to lock and use key to unlock; hasp covers screws when in locked position.

STEEL HASP HINGES

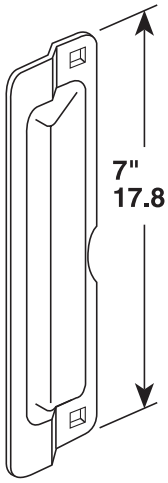
STOCK NO.	Finish	Length	Mfr. #	UNIT PKG.
347-1618	Chrome Plated	4'	U-9951	1

Protective Push Bar



Sturdy white bar can be mounted on all types of storm, jalousie, screen doors and windows to protect against damage to glass or screens. Made of heavy duty 5/8" dia. aluminum tubing.

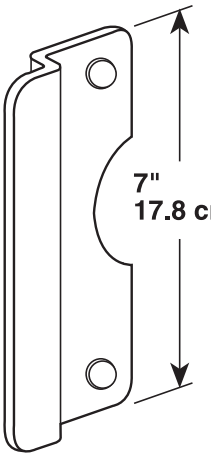
STOCK NO.	Finish	Length	UNIT PKG.
318-1440	White	39"	ONE DEVICE



Secures against forced entry; used on outswing doors; for residential, commercial and industrial use.

LATCH SHIELD - STEEL

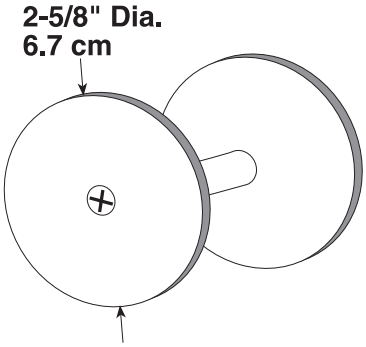
STOCK NO.	Finish (Painted)	Length	Mfr. #	UNIT PKG.
347-1641	Gray	7″	U-9500	2
347-1642	Brass	7″	U-9502	2
347-1643	Gray	11″	U-9503	2
347-1644	Bronze	11″	U-9504	2



Used on outswing doors; designed for use with locksets with 2-3/8″ backsets.

LATCH SHIELD - STEEL

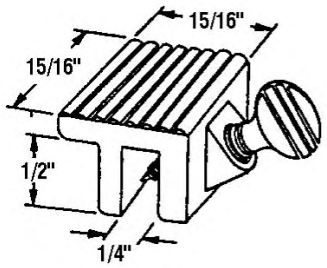
STOCK NO.	Finish	Length	Mfr. #	UNIT PKG.
347-1645	Brass Plated	6″	U-9510	2



Covers 1/2″ to 2-1/8″ holes; helps maintain entry security; fits doors to 1-3/4″ thick.

HOLE COVER - STEEL

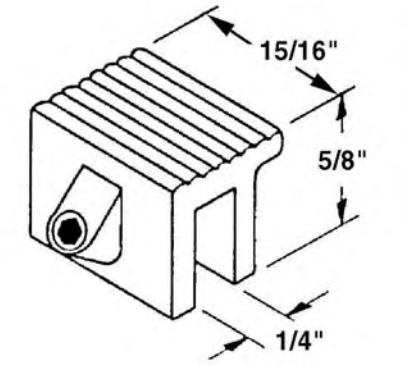
STOCK NO.	Finish (Painted)	Mfr. #	UNIT PKG.
347-1646	Gray	U-9515	2



Heavy-duty zinc diecast housing with steel thumbscrew; securely locks window in closed or ventilating position; easy to install.

THUMBSCREW LOCK

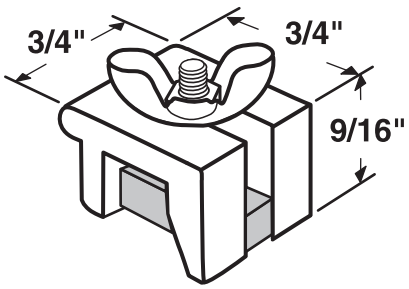
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1647	Aluminum	U-9800	2
347-1648	White	U-9802	2



Heavy-duty zinc diecast housing with tamperproof hex security screw and wrench; securely locks window in closed or ventilating position; prevents accidental opening by children; easy to install.

TAMPERPROOF LOCK

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1649	Aluminum	U-9810	2
347-1650	White	U-9812	2

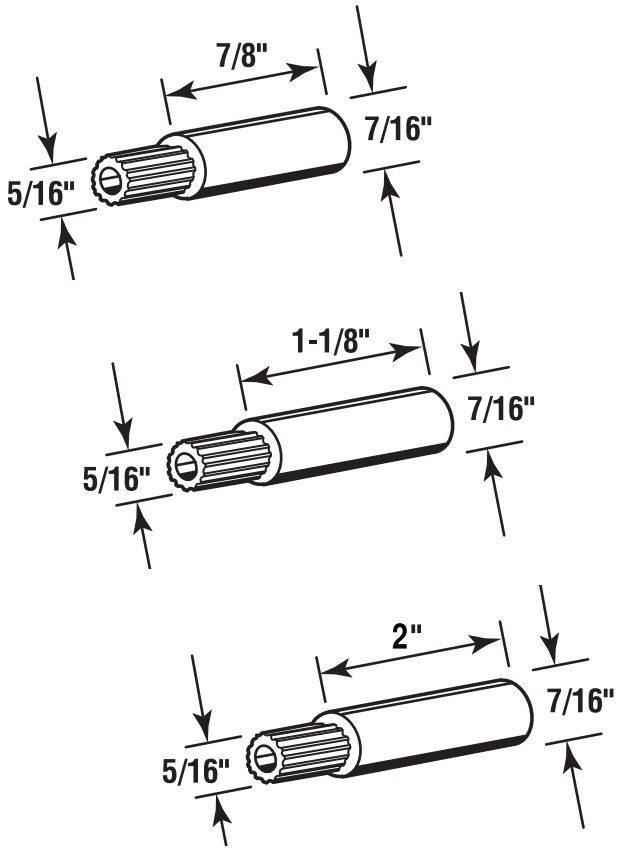


Extruded aluminum with no-mar vinyl insert to protect track; fits wide and narrow type tracks; securely locks window in closed or ventilating position; easy to install.

NO-MAR LOCK

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1651	Aluminum	U-9820	2
347-1652	White	U-9821	2

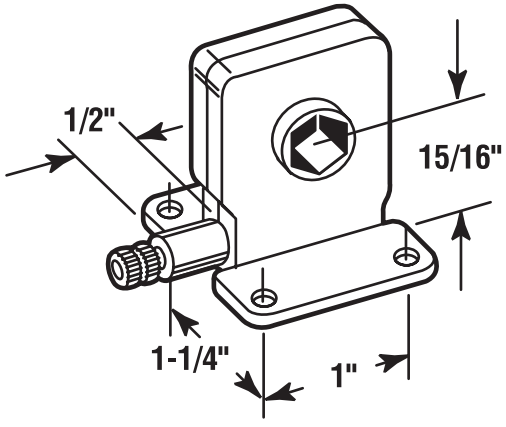
RV/Mobile Home Window & Vent Operators



Diecast extender; serrated both internally and externally for 5/16" spindle applications; for use with crank-out window and roof vent handles.

HANDLE EXTENSION

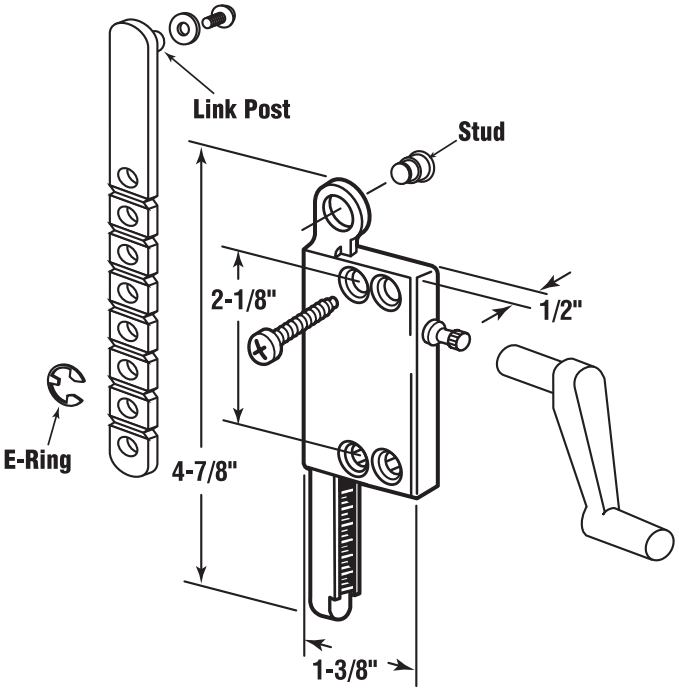
STOCK NO.	Handle Extension	Mfr. #	UNIT PKG.
345-7508	7/8"	22250-A	1
345-7509	1-1/8"	22250-B	1
347-1607	2"	22250-C	1



Diecast operator; 3/8" hex socket; center mount; used on either awning or louvre style windows.

DIECAST OPERATOR

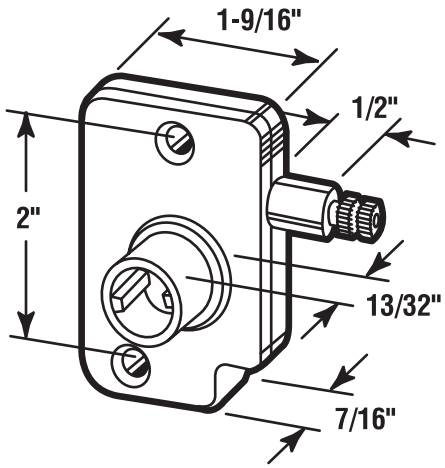
STOCK NO.	Hand	Mfr. #	UNIT PKG.
347-1608	Torque Operator	22537	1



Diecast rack operator; adjustable break-off link extension arm for universal application; 5/16" spindle size. Used on either left or right handed windows; side mount.

AWNING or LOUVRE WINDOW OPERATOR

STOCK NO.	Type	Mfr. #	UNIT PKG.
345-7560	Side Mount	221400	1

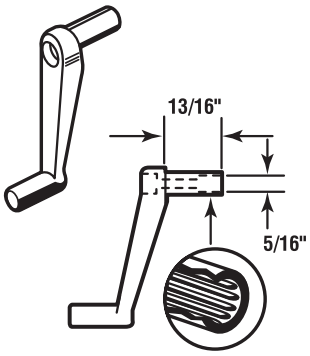


Diecast operator, used on either awning or louvre windows; side mount.

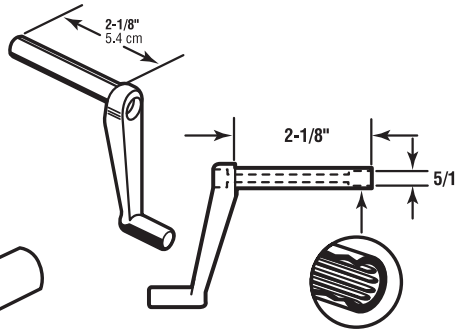
DIECAST OPERATOR

STOCK NO.	Hand	Mfr. #	UNIT PKG.
347-1514	Left	22246-L	1
347-1515	Right	22246-R	1

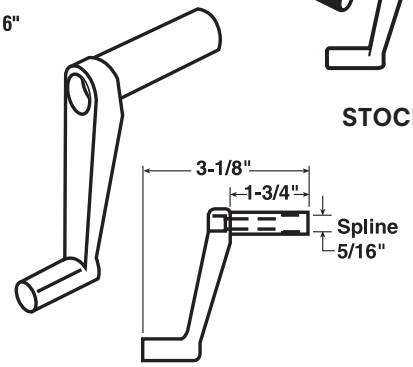
RV/Mobile Home Window & Vent Operators



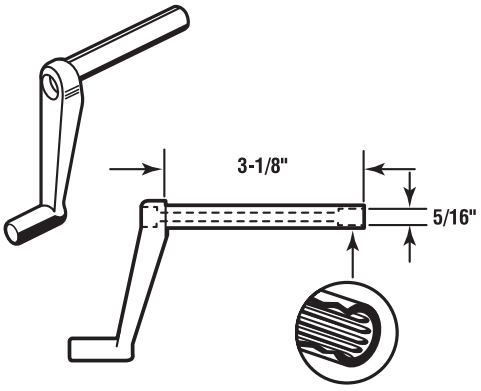
STOCK NO. 347-1600



STOCK NO. 347-1602



STOCK NO. 347-1601

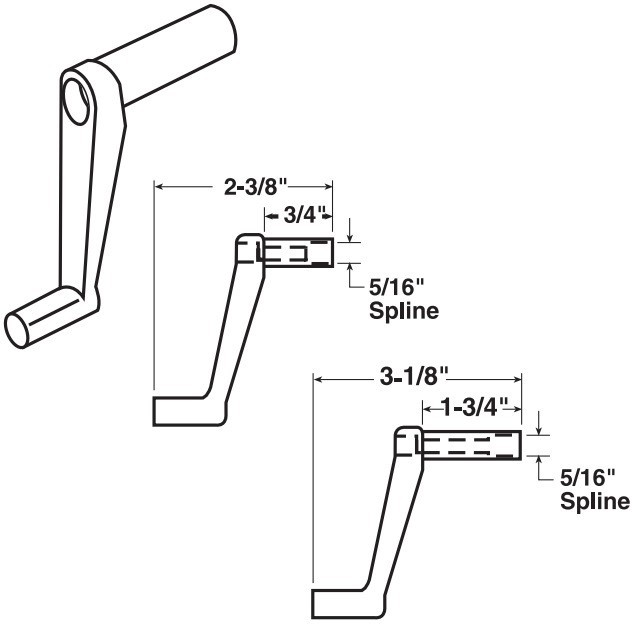


STOCK NO. 347-1603

Brown plastic crank; internally serrated to fit 5/16" spindle; used on crank-out windows.

HANDLE - BROWN PLASTIC

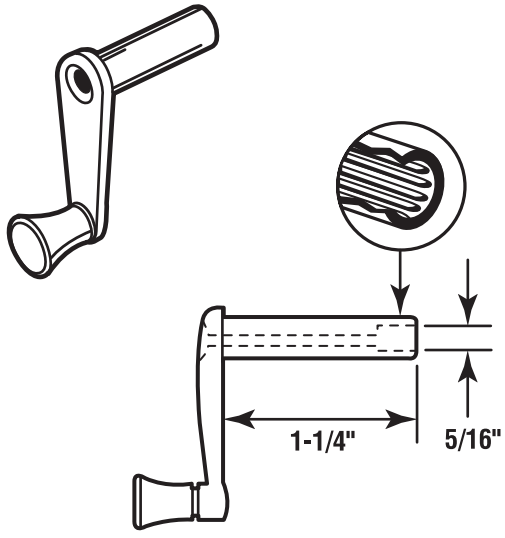
STOCK NO.	Stem Length	Mfr. #	UNIT PKG.
347-1600	13/16"	223242	2
347-1601	1-3/4"	223243	2
347-1602	2-1/8"	221790	2
347-1603	3-1/8"	221787	2



Diecast crank; internally serrated to fit 5/16" spindle; used on crank-out windows.

HANDLE

STOCK NO.	Stem Length	Mfr. #	UNIT PKG.
347-1604	3/4"	22254	1
345-7512	1-3/4"	22252	1

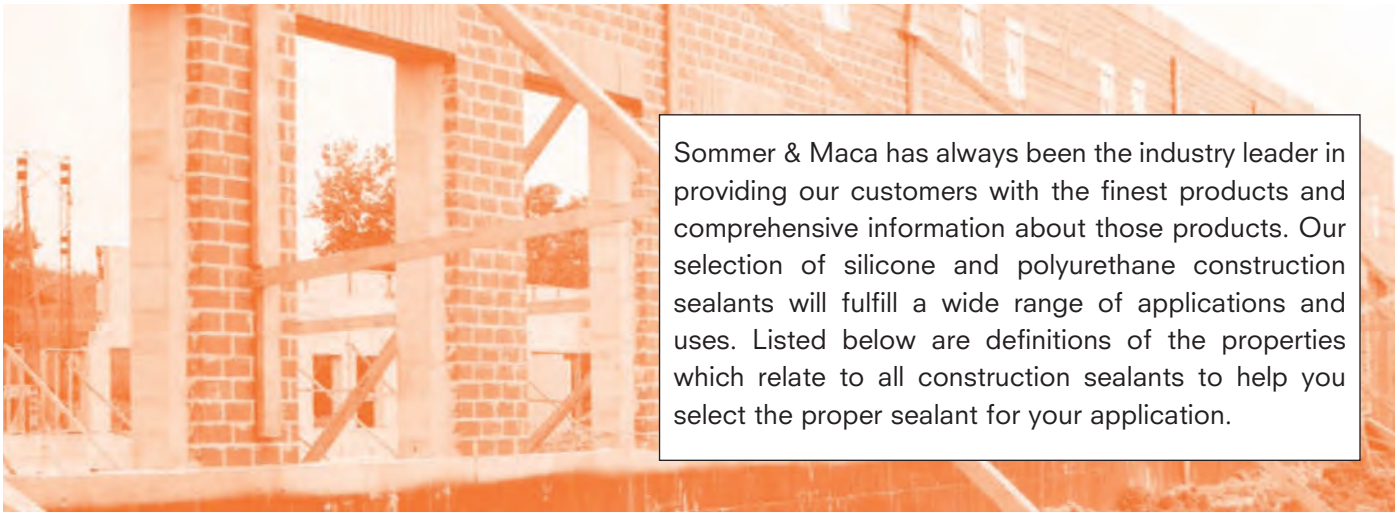


Diecast crank and swivel knob; internally serrated to fit 5/16" spindle; used on crank-out windows.

HANDLE

STOCK NO.	Stem Length	Mfr. #	UNIT PKG.
347-1606	1-1/2"	223264	1
345-7510	1"	22251	1
345-7513	1-1/4"	22253	1

Construction Sealants



Sommer & Maca has always been the industry leader in providing our customers with the finest products and comprehensive information about those products. Our selection of silicone and polyurethane construction sealants will fulfill a wide range of applications and uses. Listed below are definitions of the properties which relate to all construction sealants to help you select the proper sealant for your application.

TYPICAL PROPERTIES	PROPERTY DEFINITIONS
Primerless Adhesion to Test applications always recommended to verify adhesion under actual use conditions.	Primerless adhesion is desirable when testing or when experience has demonstrated that reliable, long-term adhesion may be obtained without primer. In many critical applications, priming is an added safety factor.
Dynamic Joint Movement Continuous extension and compression 1/8" per hour.	Movement capability determines suitability for known building movement conditions. Sealants should always be matched with building design criteria.
Tooling Time 75°F @ 50% RH	Indicates time it takes for a skin to form on the surface of the sealant bead.
Tack-Free Time Federal Specification TT-S-001543A	Length of time a sealant requires before it can withstand incidental touch is important for handling in many applications.
Cure Time To 3/8" depth @ 75°F (24°C) and 50% RH	Cure times determine how long a sealant takes to develop its full properties. Important in glazing and curtainwall sealant applications, as well as in field and plant installations.
Application Temperature Range	Broad application temperature range extends practical working time.
Performance Range	Temperature range over which sealant is expected to maintain elasticity.
Hardness (Shore A) ASTM D2240	Extreme hardness (e.g. 50) can limit movement capability and long-term performance.
Tensile Strength ASTM D412	A measurement of the relative strength of sealant. Tensile Strength and Movement Capacity are related properties. The highest tensile strength is required for structural glazing.
Tear Strength ASTM C794	An indication of elastomeric properties and adhesion.
Conformance to ASTM and Federal Specs	These specifications establish a standard of quality for one-part, chemically-curing sealants.

Silicone Construction Sealants

SURFACE PREPARATION AND PRIMER RECOMMENDATION CHART - WEATHERSEAL ONLY**

SUBSTRATE		SEALANTS	
		GE SCS 1000/SCS 1200 SOMACA 88R	GE SCS 1800/SCS 2800 SOMACA 55NC
CONCRETE & MASONRY	Brick	Not Recommended	Abrade/Dust + SS4179*
	Poured Concrete	Not Recommended	Testing Required
	Precast Concrete	Not Recommended	Testing Required
	Tilt-Up Concrete	Not Recommended	Testing Required
	Mortar	Not Recommended	Testing Required
	Grouts	Not Recommended	Testing Required
	Plaster	Not Recommended	Abrade/Dust + SS4179*
STONE	Granite	Not Recommended	Abrade/Dust + SS4179*
	Marble	Not Recommended	Abrade/Dust + SS4179*
	Limestone	Not Recommended	Abrade/Dust + SS4179*
E.I.F.S.	Dryvit	Not Recommended	Not Recommended
	Sto	Not Recommended	Not Recommended
	Omega	Not Recommended	Not Recommended
	Synergy	Not Recommended	Not Recommended
	Parex	Not Recommended	Not Recommended
GLASS	Sheet, Float, or Plate Glass	Solvent Wipe	Solvent Wipe
	Tinted Glass	Solvent Wipe	Solvent Wipe
	Reflective Glass	Solvent Wipe	Solvent Wipe
	Laminated Glass[1]	Solvent Wipe	Solvent Wipe
	Opcaified Surfaces	Testing Required	Testing Required
	Glazed Ceramic Tile	Solvent Wipe	Solvent Wipe
	Porcelain Coated Material	Solvent Wipe	Solvent Wipe
PAINTS	Acrylic-based (Duracron)	Solvent Wipe	Solvent Wipe
	Acrylic - Thermostat	Solvent Wipe	Solvent Wipe
	Alkyd Latex	Solvent Wipe	Solvent Wipe
	Alkyd Enamel	Solvent Wipe	Solvent Wipe
	Silicone Acrylic	Solvent Wipe	Solvent Wipe
	Polyurethane	Testing Required	Testing Required
	Polyester-based (Polycron)	Solvent Wipe	Solvent Wipe
FLUOROPOLYMER	Kynar	Solvent Wipe + SS4179*	Solvent Wipe
	Duranar	Solvent Wipe + SS4179*	Solvent Wipe
	Duranar XL	Solvent Wipe + SS4179*	Solvent Wipe
	Flouropon	Solvent Wipe + SS4179*	Solvent Wipe
PLASTICS	Acrylic	Solvent Wipe	Not Recommended
	Polyester/Fiberglass	Solvent Wipe + SS4179*	Solvent Wipe + SS4179*
	Epoxy Matrix Panels	Solvent Wipe	Solvent Wipe
	Polyester Matrix Panels	Solvent Wipe	Solvent Wipe
	Polyvinyl Chloride (PVC)	Solvent Wipe	Solvent Wipe
	Polycarbonate	Solvent Wipe	Solvent Wipe
RUBBER	Silicone	Solvent Wipe	Solvent Wipe
	Polyurethane or Polysulfide	Testing Required	Testing Required
	Neoprene	Testing Required	Testing Required
	Santoprene	Testing Required	Testing Required
	E.P.D.M.	Testing Required	Testing Required
METALS	Aluminum - Alodine	Testing Required	Solvent Wipe
	Aluminum - Anodized	Testing Required	Solvent Wipe
	Aluminum - Mill Finish	Solvent Wipe + SS4179*	Solvent Wipe + SS4179*
	Copper	Not Recommended	Solvent Wipe
	Lead	Not Recommended	Solvent Wipe
	Steel - Red Iron Oxide Primed	Solvent Wipe	Solvent Wipe
	Steel - (Bright/Clean)	Solvent Wipe	Solvent Wipe
	Steel - Weathered	Testing Required	Abrade + Solvent Wipe
	Steel - Stainless	Solvent Wipe + SS4044* or SCP3195*	Solvent Wipe + SS4044* or SCP3195*
	Steel - Galvanized	Solvent Wipe + SS4044* or SCP3195*	Solvent Wipe + SS4044* or SCP3195*
WOODS	Unfinished	Testing Required	Testing Required
	Finished	Testing Required	Testing Required

**THESE RECOMMENDATIONS APPLY FOR WEATHERSEAL APPLICATIONS ONLY AND ARE NOT INTENDED FOR STRUCTURAL GLAZING APPLICATIONS.
[1] Glass Laminated with PVB interlayer can show an "edge effect' up to 1/4" at the edges when in contact with a sealant.
* GE Primer
Solvent Wipe - (Alcohol with clean rag).

Abstract from GE Publication 07915/GES, 2002.

Silicone Construction Sealants

88R Silicone Construction Sealant



- Cartridges Have 4" Screw-On Nozzle

Typical Properties

Tensile Strength	350 psi
Movement Capacity	±25%
Tack-Free Time	15 min.
Cure Time	7 days
Hardness (Shore A)	30
Application Range	-35°-140°F
Tear Strength PPI	30
Tooling Time	10-15 min.

Somaca 88R is excellent for joining glass, plastic, metal, porcelain and ceramics. Also used for glazing windows, vertical expansion joints, butt glazing and above waterline marine applications. Meets Fed. spec. TT-S-00230C and TT-S-001543A, Class A (COM-NBS). 88R features screw-on nozzles and push-on caps - they prevent dry-out and cut consumption as much as 20% by fully using each cartridge.

SOLD PER 10.3 FL. OZ. CARTRIDGE
24 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-3850	Clear*	CARTRIDGE
335-3851	White*	CARTRIDGE
335-3852	Black	CARTRIDGE
335-3853	Bronze	CARTRIDGE
335-3854	Aluminum	CARTRIDGE
335-3855	Almond	CARTRIDGE

*Mildew Resistant

55NC Neutral Cure Silicone Construction Sealant

- Best Seller for Vinyl Windows
- Strongest Neutral Cure Tensile Strength



- Cartridges Have 4" Screw-On Nozzle

Typical Properties

Tensile Strength	275 psi
Movement Capacity	±50%
Tack-Free Time	up to 2 hours
Cure Time	7-14 days
Hardness (Shore A)	25
Application Range	-35°-150°F
Tear Strength PPI	30
Tooling Time	20-30 min.

55NC is a one-part, medium modulus silicone sealant with primerless adhesion to most substrates. It is designed for sealing expansion joints, precast concrete panels, metal curtain-wall joints, structural and non-structural glazing of glass, metal and plastics, sealing of door and window framing and other building components. 55NC meets or exceeds TT-S-001543A (COM-NBS) for silicone sealants and TT-S-00230C (COM-NBS) for one-component sealants as Class A, Non-Sag, and conforms to ASTM C920-79.

SOLD PER 10.5 FL. OZ. CARTRIDGE
24 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-3869	Dull Black*	CARTRIDGE
335-3870	Translucent*	CARTRIDGE
335-3871	White*	CARTRIDGE
335-3872	Black*	CARTRIDGE
335-3873	Bronze*	CARTRIDGE
335-3874	Aluminum*	CARTRIDGE
335-3875	Almond*	CARTRIDGE



REPLACEMENT NOZZLES FOR 88R AND 55NC
STOCK NO. 335-3860
Bag of 24 Nozzles

Bulk 5 Gallon Pails

NOTE: Minimum Order is 4
All Other Colors Available on Special Order.

STOCK NO.	Description	Color	UNIT PKG.
335-3820	88R*	Clear	ONE PAIL
335-3821	88R*	White	ONE PAIL
335-3822	88R	Black	ONE PAIL
335-3830	55NC*	Translucent	ONE PAIL

Bulk 55 Gallon Drums

All Other Colors Available on Special Order.

STOCK NO.	Description	Color	UNIT PKG.
335-3825	88R*	Clear	ONE DRUM
335-3835	55NC*	Translucent	ONE DRUM



Silicone Construction Sealants

TREMCO® VULKEM • PARASEAL

Spectrem® 2 Neutral Cure Silicone Sealant



- **Cartridges Have Fixed 3" Nozzle**

Typical Properties

Tensile Strength	270 psi
Movement Capacity	±50%
Tack-Free Time	> 2 hours
Cure Time	5-7 days
Hardness (Shore A)	35-40
Application Range	-35°-140°F
Tear Strength PPI	37-40
Tooling Time	15-25 min.

Product Features

- High performance in demanding applications
- Excellent cure stability
- Tools easily, cures quickly

Spectrem 2 is a high performance, neutral cure silicone sealant to perform in a wide variety of demanding glazing and perimeter sealing applications, such as - cap beads, toe and heel beads/air seals. Well suited for use as both a tensile bead and weather bead in structural glazing systems and ideal for sealing joints within curtain wall and window wall systems. Conforms to ASTM C920 Type S, Grade NS, use NT, G, M, A and 0 and CAN/CGSB-19.13-M87 and US Federal Spec. TT-S-001543A (COM-NBS) Class A, and TT-S-00230C (COM-NBS) Class A, Class II.

SOLD PER 10.1 FL. OZ. (300 ml) CARTRIDGE
30 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-4016	White	CARTRIDGE
335-4017	Off White	CARTRIDGE
335-4018	Gray Stone	CARTRIDGE
335-4019	Gray	CARTRIDGE
335-4020	Black	CARTRIDGE
335-4021	Bronze	CARTRIDGE



SOLD PER 20.3 FL. OZ. SAUSAGE
15 SAUSAGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-4024	White	SAUSAGE
335-4025	Off White	SAUSAGE
335-4026	Gray Stone	SAUSAGE
335-4027	Gray	SAUSAGE
335-4028	Black	SAUSAGE
335-4029	Bronze	SAUSAGE

TREMCO® VULKEM • PARASEAL

Spectrem® 3 Neutral Cure Silicone Sealant

- **Construction Grade Sealant**
- **Slightly Grainy Texture**
- **Will Not Bleed Through Stone**
- **Cartridges Have Fixed 3" Nozzle**



Typical Properties

Tensile Strength	140 psi
Movement Capacity	±50%
Tack-Free Time	> 90 min.
Cure Time	5-7 days
Hardness (Shore A)	10
Application Range	-35°-140°F
Tear Strength PPI	25
Tooling Time	90 min.

Product Features

- Extending tooling time under extreme ambient conditions
- Exceptional physical properties for dynamically moving joints, high movement capabilities
- Low modulus

Spectrem 3 is a patented, general purpose, one-part architectural grade silicone sealant for aluminum curtain walls, precast concrete panels, metal panels and window perimeters. Conforms to ASTM C920 Type S, Grade NS, use NT, G, M, A and 0 and CAN/CGSB-19.13-M8 and, US Federal Spec. TT-S-001543A Class A.

SOLD PER 10.1 FL. OZ. (300 ml) CARTRIDGE
30 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-4216	White	CARTRIDGE
335-4217	Off White	CARTRIDGE
335-4218	Limestone	CARTRIDGE
335-4219	Ivory	CARTRIDGE
335-4220	Black	CARTRIDGE
335-4221	Bronze	CARTRIDGE
335-4222	Anodized Aluminum	CARTRIDGE
335-4223	Hartford Green	CARTRIDGE



SOLD PER 20.3 FL. OZ. SAUSAGE
15 SAUSAGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-4224	White	SAUSAGE
335-4225	Off White	SAUSAGE
335-4226	Limestone	SAUSAGE
335-4227	Ivory	SAUSAGE
335-4228	Black	SAUSAGE
335-4229	Bronze	SAUSAGE
335-4230	Anodized Aluminum	SAUSAGE
335-4231	Hartford Green	SAUSAGE

Silicone Construction Sealants

SCS 1800 Contractors-N® Construction Sealant

- Popular for Vinyl Windows
- Neutral Cure



- Cartridges Have 2-3/4" and 4" Removable, Screw-On Nozzle

Typical Properties

Tensile Strength	200 psi
Movement Capacity	±50%
Tack-Free Time	30 min.
Cure Time	3-5 days
Hardness (Shore A)	18
Application Range	-35°-140°F
Tear Strength PPI	30
Tooling Time	6 min.

Product Features

- Primerless adhesion to vinyl, plastics, masonry, glass and metals
- Shrinkage is less than 1%

Contractors-N, SCS 1800 Silicone Sealant is a one-part, neutral cure sealant that offers excellent adhesion, weatherability and elasticity for general glazing and sealing applications. It is resistant to normal weathering conditions such as sunlight, ultraviolet radiation, ozone, rain, snow, and temperature extremes. Its excellent weatherability allows long-term retention of its elastomeric and adhesion properties.

SOLD PER 10.1 FL. OZ. (300 ml) CARTRIDGE
24 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-1801	Translucent	CARTRIDGE
335-1802	White	CARTRIDGE
335-1803	Black	CARTRIDGE
335-1804	Brown	CARTRIDGE
335-1805	Beige	CARTRIDGE
335-1809	Light Gray	CARTRIDGE
335-1892	Blue White	CARTRIDGE
335-1897	Bronze	CARTRIDGE

SilGlaze® II SCS 2800 Construction Sealant

- Longer Tooling, Faster Cure
- Popular for Vinyl Windows
- Neutral Cure



- Cartridges Have Fixed 3" Nozzle

Typical Properties

Tensile Strength	180 psi
Movement Capacity	±50%
Tack-Free Time	30 min.
Cure Time	2-4 days
Hardness (Shore A)	18
Application Range	-35°-140°F
Tear Strength PPI	30
Tooling Time	6-12 min.

Product Features

- Excellent for in-shop fabrication and field applications
- Primerless adhesion to PVC, CPVC, KYNAR 500®/HYLAR 5000® based paints and coatings, anodized aluminum and most other common building substrates
- Medium modulus
- Neutral cure

Advanced-technology SilGlaze II Sealant is engineered to meet the needs of window manufacturers and installers. Its 6-12 minute tooling time is ideal for on-the-job results. Its 2-4 day cure time assures fast job completion.

Test applications are recommended. Consult GE Silicones publication CDS 1502 for specific information.

KYNAR 500 is a Registered Trademark of Atochem North America, Inc.

HYLAR 5000 is a Registered Trademark of Ausimont USA, Inc.

SOLD PER 10.1 FL. OZ. (300 ml) CARTRIDGE
24 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-2801	Translucent	CARTRIDGE
335-2802	White	CARTRIDGE
335-2803	Black	CARTRIDGE
335-2808	Brown	CARTRIDGE
335-2807	Tan	CARTRIDGE
335-2809	Gray	CARTRIDGE
335-2892	Blue White	CARTRIDGE
335-2897	Bronze	CARTRIDGE

Silicone Construction Sealants

SCS 1000® Contractors Silicone Construction Sealant

• Cartridges Have Fixed 3" Nozzle



Typical Properties

Tensile Strength	320 psi
Movement Capacity	±25%
Tack-Free Time	< 1 hour
Cure Time	5-7 days
Hardness (Shore A)	29
Application Range	-35°-140°F
Tear Strength PPI	20
Tooling Time	3-5 min.

Product Features

- ±25% joint movement capability
- Primerless adhesion to glass, glazed surfaces, metal and many plastics
- Excellent adhesion with primer to granite, paints, aluminum, rubber and some plastic parts
- Meets TT-S-001543A (COM-NBS) and TT-S-00230C (COM-NBS)/ASTM C920
- Unaffected by sunlight, ultraviolet radiation, rain, snow, and cold working temperatures
- FDA, NSF and USDA status (contact GE Silicones for details)
- Storage life is 2 years (below 80°F - 27°C)

Potential Benefits

- Assure durable seal under extremes of building joint movement
- Reduces application time and labor costs
- Increased adhesion reliability which broadens design and production capability
- Optimum on-the-job working time boosts project productivity
- Retains its original properties after many years of exposure

SOLD PER 10.1 FL. OZ. (300 ml) CARTRIDGE
24 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-1001	Translucent	CARTRIDGE
335-1002	White	CARTRIDGE
335-1003	Black	CARTRIDGE
335-1009	Aluminum	CARTRIDGE
335-1097	Bronze	CARTRIDGE

SCS 1200® Silicone Construction Sealant

• Cartridges Have Fixed 3" Nozzle



Typical Properties

Tensile Strength	485 psi
Movement Capacity	±25%
Tack-Free Time	1 hour max.
Cure Time	5-7 days
Hardness (Shore A)	30
Application Range	-35°-140°F
Tear Strength PPI	40
Tooling Time	2-3 min.

Product Features

- Primerless adhesion to glass, glazed surfaces, metal and many plastics
- Excellent adhesion to granite, paints, some plastics, aluminum and rubber with primer
- Tensile strength - 485 psi (ASTM D412-68 test method)
- Meets TT-S-001543A (COM-NBS) and TT-S-00230C (COM-NBS)/ASTM C920
- Flexible and resilient, resistant to UV, ozone, heat, cold and moisture
- Excellent gunnability at all temperatures
- FDA, NSF and USDA status (contact GE Silicones for details)
- Storage life is 2 years (below 80°F - 27°C)

Potential Benefits

- Strong, lasting, water-resistant seal for structural glazing
- Increased adhesion reliability, broader design and production capability
- Withstands up to 450 lbs./sq. in. of stress at maximum elongation for long-lasting toughness
- Can be used in food-related construction applications
- Versatility of use where these material specifications apply
- Maintains strength and adhesion despite shear stress, building movement and weathering
- All-weather application efficiency and economy

SOLD PER 10.1 FL. OZ. (300 ml) CARTRIDGE
24 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-1201	Translucent	CARTRIDGE
335-1202	White	CARTRIDGE
335-1203	Black	CARTRIDGE
335-1209	Aluminum	CARTRIDGE
335-1297	Dark Bronze	CARTRIDGE

Specialty Sealants



Crystal Clear

Optically Clear Silicone Sealant

- **Cured Sealant is Mildew Resistant**

Typical Properties

Tensile Strength	270 psi
Movement Capacity	±25%
Sag or Slump	Nil
Tack-Free Time 77°F @ 50% RH	> 30 min.
Hardness (Shore A)	20
Elongation	500%
Weatherability	Good
Tooling Time	5-15 min.
Shelf Life	12 months below 90° F

Somaca's optically clear silicone provides mildew-resistant protection as a shower door and bathroom sealant. For commercial glazing and showcase applications.

SOLD PER CARTRIDGE
12 CARTRIDGES PER CARTON

STOCK NO.	Color	Cartridge Size	UNIT PKG.
335-6000	Clear	10.3 fl. oz.	CARTRIDGE



White Sanitary Silicone Sealant

- **Fungus and Bacteria Resistant**
- **Primarily for Indoor Sanitary Applications**
- **Non-Corrosive to Bath or Laundry Fixtures**
- **Excellent Gunnability**

Somaca 55NC Neutral Cure Sanitary Silicone is a white, medium modulus, neutral, low-odor sealant. It is fungus and bacteria resistant for all sanitary applications. 55NC is non-corrosive to most bathroom, spa and shower components. It cures to a tough, non-toxic, flexible rubber when exposed to moisture present in the atmosphere. For use on inside glazing applications, with excellent adhesion to porcelain, enamel, tile and stainless steel. Typical applications are joints in and around sinks, tubs, plumbing fixtures and wall panels. Meets Federal Specifications TT-S-001543A and TT-S-00230C (COM-NBS).

SOLD PER CARTRIDGE
24 CARTRIDGES PER CARTON

STOCK NO.	Color	Cartridge Size	UNIT PKG.
335-3871	Sanitary White	10.5 fl. oz.	CARTRIDGE



Clear Aquarium Silicone Sealant



Somaca Aquarium Silicone is a one-component sealant used in the fabrication of small fresh and salt water aquariums. This medium modulus sealant forms a strong bond with superior adhesion to clean glass. It creates a flexible seal with excellent water-resistant properties. When applying sealant, care should be taken to make sure the bead is continuous, especially at corners, to assure a leak-free seal.
Somaca Aquarium Silicone Sealant has good clarity, so it will not detract from the beauty of the aquarium. It is also non-toxic to fish when fully cured, and it meets the requirements of the FDA.

SOLD PER CARTRIDGE
24 CARTRIDGES PER CARTON

STOCK NO.	Color	Cartridge Size	UNIT PKG.
335-5000	Clear	10.3 fl. oz.	CARTRIDGE



Alex Plus Acrylic Latex Caulk Sealant

- **Excellent Quality**
- **Moisture and Mildew Resistant**

DAP Acrylic Latex with silicone is a premium caulk formulated with fungicide to resist moisture and mildew. It's guaranteed for 35 years! Provides excellent adhesion to glass, plaster, wood, metal and masonry. **Paintable** two hours after application. Use for caulking around baseboards, siding, corner joints, window and door frames, and construction joints. It applies easily and cleans up with water. Tack-free in 30 min.

SOLD PER CARTRIDGE
12 CARTRIDGES PER CARTON

STOCK NO.	Color	Cartridge Size	UNIT PKG.
336-2000	White	10.1 fl. oz.	CARTRIDGE
336-2002	Black	10.1 fl. oz.	CARTRIDGE
336-2003	Slate Gray	10.1 fl. oz.	CARTRIDGE
336-2004	Dark Bronze	10.1 fl. oz.	CARTRIDGE
336-2005	Almond	10.1 fl. oz.	CARTRIDGE

One-Part Polyurethane Construction Sealant

Unsurpassed Adhesion to Substrates - Primerless



"Smooth" Texture Formulation

- **Cartridges Have Fixed 3-3/4" Nozzle**
- **Excellent Adhesion to Pre-Painted Metals, Plywood, Steel, Aluminum and Glass**
- **Fast Cure - High Bonding and Strength**
- **Remains Permanently Elastic**
- **Superior Weatherability**
- **Priming Not Required on Most Substrates**



Typical Properties

Tensile Strength	200 psi
Tack-Free Time	2 hours
Cure Time	3/16" / 24 hours
Hardness (Shore A)	25-30
Shelf Life	12 months

Somaca One-Part was designed for use in sealing dynamically moving joints such as expansion, control, curtainwall, precast concrete panels, and tilt-up panel joints. Ideal for perimeter sealing around window and door openings, skylights, and as a bedding for mullions, panels and frames. Sealant conforms to TT-S-00230C and ASTMC-920.

SOLD PER CARTRIDGE - 12 CARTRIDGES PER CARTON

STOCK NO.	Color	Cartridge Size	UNIT PKG.
335-3807	Off White	10.3 fl. oz.	CARTRIDGE
335-3808	Black	10.3 fl. oz.	CARTRIDGE
335-3817	Aluminum Stone	10.3 fl. oz.	CARTRIDGE
335-3810	Anodized Aluminum (Gray)	10.3 fl. oz.	CARTRIDGE
335-3816	Bronze	10.3 fl. oz.	CARTRIDGE
335-3818	Almond	10.3 fl. oz.	CARTRIDGE
335-3833	White	10.3 fl. oz.	CARTRIDGE
335-3832	Limestone	10.3 fl. oz.	CARTRIDGE

One-Part Polyurethane Construction Sealant

"Smooth" Texture Formulation - Sausage Pack



SOLD PER SAUSAGE - 20 SAUSAGES PER CARTON

STOCK NO.	Color	Sausage Size	UNIT PKG.
335-3950	Off White	600 ml	SAUSAGE
335-3951	Black	600 ml	SAUSAGE
335-3955	Aluminum Stone	600 ml	SAUSAGE
335-3952	Anodized Aluminum (Gray)	600 ml	SAUSAGE
335-3953	Bronze	600 ml.	SAUSAGE
335-3954	Almond	600 ml	SAUSAGE
335-3957	White	600 ml	SAUSAGE
335-3956	Limestone	600 ml	SAUSAGE

Polyurethane Construction Sealants

One-Part Polyurethane Construction Sealant

Unbeatable Adhesion and Bonding - Primerless

"Grainy" Texture Formulation



- **Cartridges Have Fixed 3-3/4" Nozzle**
- **Excellent Moving Joint Performance**
- **Durable and Flexible**
- **Does Not Require a Primer**
- **Superior Weatherability and Gunnability**

Typical Properties

Tensile Strength . . . . . 199 psi
Tack-Free Time . . . . . 24 hours
Cure Time. . . . . 3-5 days
Hardness (Shore A) 40
Shelf Life . . . . . 6 months



Somaca One-Part Polyurethane Sealant is a single component, gun grade joint and general purpose sealer. It has unbeatable adhesion and bonding capabilities to glass aluminum, steel, masonry, and marble. It produces outstanding results on expansion joints, perimeters, and as a cap, toe and heal bead. A primer is not required with most construction materials, but the area to be bonded must be moisture free and clean of oils and residues. Sealant conforms to US Federal Specs. TT-S-00230C Type II and ASTMC-920-79 Type S. Cleanup is easy with Xylol or Toluol before curing.

SOLD PER CARTRIDGE - 30 CARTRIDGES PER CARTON

STOCK NO.	Color	Cartridge Size	UNIT PKG.
335-4107	White	10.3 fl. oz.	CARTRIDGE
335-4108	Black	10.3 fl. oz.	CARTRIDGE
335-4110	Aluminum Stone	10.3 fl. oz.	CARTRIDGE
335-4112	Anodized Aluminum (Gray)	10.3 fl. oz.	CARTRIDGE
335-4116	Bronze	10.3 fl. oz.	CARTRIDGE
335-4118	Almond	10.3 fl. oz.	CARTRIDGE
335-4129	Limestone	10.3 fl. oz.	CARTRIDGE

One-Part Polyurethane Construction Sealant

"Grainy" Texture Formulation - Sausage Pack

- **Excellent Moving Joint Performance**
- **Durable and Flexible**
- **Remains Permanently Elastic**
- **Superior Weatherability**
- **Priming Not Required**

Typical Properties

Tensile Strength . . . . . 120 psi
Tack-Free Time . . . . . 2-1/2 hours
Cure Time. . . . . 3/16"/24 hours
Hardness (Shore A) 25-30
Shelf Life . . . . . 12 months



This single component, general purpose sealer has unbeatable adhesion and bonding to glass aluminum, steel, masonry, and marble. It produces outstanding results on expansion joints, perimeters, and as a cap, toe and heal bead. Sealant conforms to Specs. TT-S-00230C Type II and ASTMC-920-79 Type S.

SOLD PER SAUSAGE - 20 SAUSAGES PER CARTON

STOCK NO.	Color	Sausage Size	UNIT PKG.
335-4120	Off White	600 ml	SAUSAGE
335-4121	Black	600 ml	SAUSAGE
335-4122	Aluminum Stone	600 ml	SAUSAGE
335-4123	Anodized Aluminum (Gray)	600 ml	SAUSAGE
335-4124	Bronze	600 ml	SAUSAGE
335-4125	Almond	600 ml	SAUSAGE
335-4126	White	600 ml	SAUSAGE
335-4127	Limestone	600 ml	SAUSAGE

Polyurethane Construction Sealants

DyMonic® Polyurethane Construction Joint Sealant



Smooth Formula

- **Cartridges Have Fixed 3-3/4" Nozzle**
- **Low Modulus, Smooth Texture**
- **Non-Sag, Non-Staining**
- **Moisture Resistant**

Typical Properties

Tensile Strength	180 psi
Tack-Free Time	24 hours
Cure Time	5-7 days
Hardness (Shore A)	25±5
Application Range	+40°-140°F
Service Temp	-40°-180°F
Shelf Life	6 months

Dymonic is ideal for sealing dynamically moving joints: expansion and control joints, curtainwalls, perimeter caulking bedding of mullions, panels and frames. Meets specs. TT-S-00230C, Type II, Class A, ASTM C920-87.

SOLD PER 10.14 FL. OZ. CARTRIDGE
30 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-3907	Off White	CARTRIDGE
335-3908	Black	CARTRIDGE
335-3910	Alum-Stone	CARTRIDGE
335-3912	Redwood Tan	CARTRIDGE
335-3916	Bronze	CARTRIDGE
335-3915	Light Bronze	CARTRIDGE
335-3917	White	CARTRIDGE
335-3918	Limestone	CARTRIDGE
335-3920	Anodized Aluminum	CARTRIDGE
335-3921	Hartford Green	CARTRIDGE



SOLD PER 20.3 FL. OZ. SAUSAGE
15 SAUSAGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-3385	Off White	SAUSAGE
335-2385	Black	SAUSAGE
335-3929	Alum-Stone	SAUSAGE
335-4385	Redwood Tan	SAUSAGE
335-3926	Bronze	SAUSAGE
335-4387	Light Bronze	SAUSAGE
335-6385	White	SAUSAGE
335-3919	Limestone	SAUSAGE
335-3930	Anodized Aluminum	SAUSAGE
335-4386	Hartford Green	SAUSAGE

VULKEM 116® Polyurethane Construction Joint Sealant



Grainy Formula

- **Cartridges Have Fixed 3-3/4" Nozzle**
- **Non-Sag, Non-Staining**
- **Moisture Resistant**

Typical Properties

Tensile Strength	199 psi
Tack-Free Time	30 hours
Cure Time	3-5 days
Hardness (Shore A)	40
Shelf Life	6 months

Tremco® Vulkem 116 is a one-part, moisture curing, gun grade polyurethane sealant. It's durable, flexible and offers excellent performance in moving joints. Vulkem 116 does not require a primer on most construction materials.

SOLD PER 10.1 FL. OZ. CARTRIDGE
30 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-4200	White	CARTRIDGE
335-4201	Ivory	CARTRIDGE
335-4202	Limestone	CARTRIDGE
335-4203	Aluminum	CARTRIDGE
335-4204	Black	CARTRIDGE
335-4205	Bronze	CARTRIDGE
335-4206	Gray	CARTRIDGE



SOLD PER 20.3 FL. OZ. SAUSAGE
15 SAUSAGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-4208	White	SAUSAGE
335-4209	Ivory	SAUSAGE
335-4210	Limestone	SAUSAGE
335-4211	Aluminum	SAUSAGE
335-4212	Black	SAUSAGE
335-4213	Bronze	SAUSAGE
335-4214	Gray	SAUSAGE

H.B. Fuller pti 707

Butyl Architectural Sealant

• Non-Skinning • Paintable



PTI 707 Architectural Sealant is used for metal-to-metal panel seals, low movement perimeter seals around doors, windows and masonry intersections, precast joints, splice joints, bedding for mullions, framed openings, and non-exposed curtainwall joints. Also for glazing of glass, heel, toe and cap beading and complete channel bedding. Not for continuous water immersion. Shore Hardness, 40 Durometer max. Tack-free time, 24 hours max.
707 is easy to apply, even at temperature extremes of 40° to 120°F without preheating. Has excellent adhesion qualities. Design life for 15 years. Meets Specification TT-S-001657, ASTM C-1085 and AAMA 808.3.

Green Cartridge

SOLD PER 11 FL. OZ. CARTRIDGE
30 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-7071	Gray	CARTRIDGE
335-7072	Black	CARTRIDGE
335-7073	White	CARTRIDGE
335-7075	Bronze	CARTRIDGE

H.B. Fuller pti 757

Butyl Glazing Sealant

• Paintable



PTI 757 Butyl Sealant is specially formulated for easy, non-stringy gunnability. It has excellent slump resistance and is non-staining. It is pliable and has the ability to heal during expansion and contraction. Shore Hardness, 40 Durometer max. PTI 757 is recommended for working and non-working joints, most substrates, cap, toe and heel beads. Also for complete channel bedding, inside sight line fill, framed openings and coping areas. Not recommended for continuous water immersion. 757 tools beautifully and skins fast for a quick finish. Great for storefronts and low rise structures. Design life is 10 years. Tack-free in 30 minutes. Meets Spec. TT-S-001657, ASTM C-1085 and AAMA 808.3.

Red Cartridge

SOLD PER 11 FL. OZ. CARTRIDGE
30 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-7571	Gray	CARTRIDGE
335-7575	Bronze	CARTRIDGE
335-7577	White	CARTRIDGE

ADCO B-100

Butyl Rubber Sealant

• More Substrate Choices • Paintable



B-100 Butyl Rubber Sealant is a single component, solvent release butyl-based sealant specifically designed to provide excellent exterior weathering properties. It is easy to apply and tool and assures superior adhesion to a variety of clean surfaces.
An excellent choice for exterior sealing applications and is compatible with an array of substrates such as glass, metals, concrete, wood, masonry and some plastics.
Applicable Standards: AAMA 808.3, ASTM C 1311, Federal Specs. TT-S-001657 Type 1, TT-C-0598C and TT-C-1796A.

SOLD PER 10.5 FL. OZ. CARTRIDGE
10 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-8071	Gray	CARTRIDGE
335-8072	Black	CARTRIDGE
335-8073	Bronze	CARTRIDGE
335-8074	White	CARTRIDGE

ADCO AP-77

Synthetic Rubber Sealant

• Economical Option • Paintable



AP-77 is a general purpose, butyl based sealant for use in joints where economical, maintenance free, air and watertight seals are desired. When fully cured, it forms an elastic, all-weather resistant seal that bonds to many surfaces. It also withstands temperature changes from -20° to 200°F. Use for bonding, sealing and caulking in repair or new construction of joints for such materials as pre-painted metals, glass, aluminum and plastic.
Applicable Standards: AAMA 808.3, ASTM C 1085 and 1311, Federal Specs. TT-S-001657, TT-C-0598C and TT-C-1796A.

SOLD PER 10.3 FL. OZ. CARTRIDGE
30 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-8571	Gray	CARTRIDGE
335-8573	Bronze	CARTRIDGE
335-8574	White	CARTRIDGE

Acrylic Sealant and Caulk Guns

TREMCO®

MONO 555

A One-Part Acrylic Terpolymer Construction Sealant





MONO 555 is formulated from a Tremco proprietary acrylic polymer to a high solids product which cures through solvent release. Highly resistant to environmental extremes with excellent UV resistance. Minimal shrinkage and exceptional unprimed adhesion are attributes that give MONO 555 its unique performance. Developed for sealing construction joints such as:
perimeter caulking of windows and doors, control joints, bedding of mullions, frames, etc., PVC and aluminum siding, and general caulking.
Glazing application: cap beads between glass and exterior stop.

Product Limitations -
Not recommended for:

- Contact with insulating glass seals or laminated glass
- Joints under constant submersion for prolonged periods
- Horizontal traffic bearing joints
- Direct contact with polystyrene
- Application where food is processed
- Application in interior or other confined areas without proper ventilation

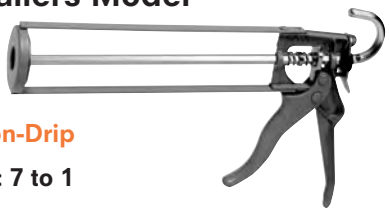
*BEST SELLER

SOLD PER 10.6 FL. OZ. CARTRIDGE
30 CARTRIDGES PER CARTON

STOCK NO.	Color	UNIT PKG.
335-3307	White	CARTRIDGE
335-3308	Black	CARTRIDGE
335-3310	Aluminum/Stone	CARTRIDGE
335-3316 *	Bronze	CARTRIDGE

Heavy Duty Hand-Operated Caulking Guns

Wexford Installers Model



Orange - Non-Drip

Thrust Ratio: 7 to 1

STOCK NO.	Cartridge Size	UNIT PKG.
211-6836	8-1/2" (1/10 gallon)	ONE GUN

"Black Bart" Gun



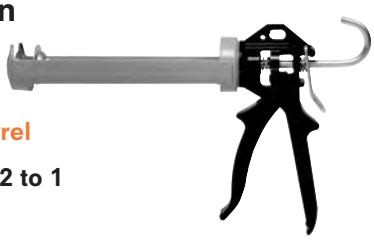
Best Seller

Black Barrel

Thrust Ratio: 18 to 1

STOCK NO.	Cartridge Size	UNIT PKG.
211-6825	8-1/2" (1/10 gallon)	ONE GUN

"Stalwart" Gun



Orange Barrel

Thrust Ratio: 12 to 1

STOCK NO.	Cartridge Size	UNIT PKG.
211-6829	8-1/2" (1/10 gallon)	ONE GUN

"Dynamo" Heavy Thrust Gun

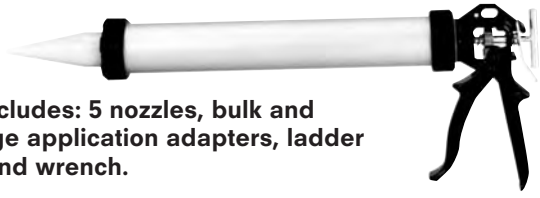


Green Barrel

Thrust Ratio: 26 to 1

STOCK NO.	Cartridge Size	UNIT PKG.
211-6826	8-1/2" (1/10 gallon)	ONE GUN

Cox 15" Bulk, Sausage & Cartridge Gun



Gun includes: 5 nozzles, bulk and sausage application adapters, ladder hook and wrench.

STOCK NO.	Cartridge Size	UNIT PKG.
200-5101	Bulk, Sausage, Standard Cartridge	ONE GUN
200-5175	Replacement Nozzle	ONE NOZZLE

Caulking Guns - General Purpose

Drill-Mate

Tool Attaches to Drill - Easily Extrudes Sealants and Adhesives Like a Battery Powered Gun

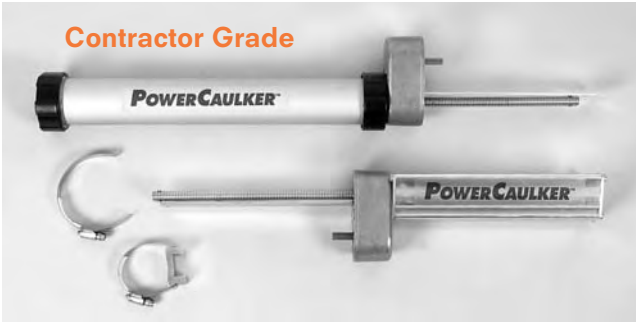


- **Accepts Standard Cartridges**
- **2 year Limited Manufacturer Warranty**
- **Extrudes Regular and HV Sealants and Adhesives**
- **Economical - Costs 50% Less Than Battery Powered Caulking Guns**
- **Extruding Pressure - 300 psi**

Extrude sealants with the help of your drill with the Somaca Drill-Mate. It attaches to most cordless or variable speed electric drills and accepts standard size cartridges. Sealant flow is started by briskly pushing release hook forward; quickly pull back on hook to relieve pressure. (Drill is not included.)

STOCK NO.	Description	UNIT PKG.
211-6883	Drill-Mate	ONE UNIT

PowerCaulker



- **Turn Your 3/8" Drill Into Power Caulking Gun**
- **Eliminates Repetitive Motion**
- **Works with Corded and Cordless Drills**
- **Easier to Work Cold Material**
- **Available for 10 and 32 oz. Cartridge and Sausage Models**

STOCK NO.	Description	UNIT PKG.
211-6871	10-11 oz. Cartridge Dispenser	ONE
211-6872	32 oz. Cartridge Dispenser	ONE
211-6873	10-11 oz. Sausage Dispenser	ONE
211-6874	20 oz. Sausage Dispenser	ONE

Battery Powered Guns

Caulking Gun - Battery Powered



This Milwaukee gun extrudes all viscosity adhesives from standard 10.5 oz. cartridges. This 4 lb. gun is the lightest weight gun in its class. Complete with a 12V charger and 2.4V Ni-Cd battery. Charging time is 60 minutes. The gun features an adjustable extrusion control, and a visual indicator shows the remaining adhesive.

STOCK NO.	Description	UNIT PKG.
211-6880	Battery Powered Gun	ONE GUN
211-6881	Replacement Battery	ONE BATTERY
211-6882	110V Charger	ONE CHARGER

Caulking Gun - Battery Powered



- **Heavy-Duty Cordless Model**
- **Powerful 620 lbs. Pushing Force**
- **Easily Handles High Viscosity Urethanes and Adhesives**
- **Interchangeable Front Ends Work with Standard Cartridges, 29 oz. Sub-flooring Adhesive, and Sausage Packs**
- **Compatible with 12V or 14.4V Power-Plus Batteries**
- **Includes 10 oz. Carriage, One 12V Battery, Small Plunger Rod, Wrench and Charger**

STOCK NO.	Description	UNIT PKG.
211-6021	Gun w/Battery, 12V Charger	ONE KIT
200-4811	Battery (12V, 1.4 AH)	ONE BATTERY
200-1024	Battery (14.4V, 2.4 AH)	ONE BATTERY
200-0245	Charger (12V)	ONE CHARGER
200-0810	Quart Conversion Kit	ONE KIT
200-1030	20 oz. Sausage Conversion	ONE KIT

Caulking Guns - General Purpose

Battery Powered Guns

Caulking Gun - Battery Powered



The Somaca caulking gun extrudes all viscosity adhesives, from standard 10.5 oz. cartridges - and up to 20 oz. sausage-style packages. To switch between cartridges and sausages, the barrel must be changed by unlocking the flap that wraps over the top of it. Internal air compressor allows the gun to operate without clutches and makes it virtually maintenance free.
The 13.2V Ni-Cd battery recharges in 80 minutes. The gun weighs 5.9 lbs., with a power rating of 1400N-314 lbs. of force. Extrusion rate is adjustable at the rear of the barrel.

Kit Includes: gun, battery, charger and case.

STOCK NO.	Description	UNIT PKG.
211-6888	Cartridge Kit	ONE KIT
211-6891	Sausage Kit	ONE KIT
211-6889	Battery (13.2V)	ONE BATTERY
211-6878	Cartridge Barrel	ONE BARREL
211-6876	Sausage Barrel	ONE BARREL
211-6879	Charger (110V)	ONE CHARGER

Panasonic

Caulking Gun - Battery Powered

Extrudes Cartridges & Sausages with One Barrel



This is the first gun ever manufactured that extrudes adhesive from either cartridges or sausage packs, using the same barrel. The gun weighs 4.6 lbs. and has a power rating of 2500N-532 lbs. of force. The electric rack and gear does not have a clutch. Extrusion rate is adjusted below the guns trigger. The barrel is clear. 7.2V Ni-Cd battery.

STOCK NO.	Description	UNIT PKG.
211-6893	Gun w/Battery, 110V Charger	ONE KIT
211-6894	Battery (7.2V Ni-Cd)	ONE BATTERY
211-6895	Charger (110V)	ONE CHARGER
211-6896	Charger (12V) for cigarette lighter plug	ONE CHARGER

Pneumatic Guns

Pneumatic Gun



Piston Drive

Gun connects to any standard 1/4" hose fitting and operates up to 125 psi or 4.5 CFM. Features an instant release valve for quick shut-off and no excess material dripping.

STOCK NO.	Description	Barrel Length	UNIT PKG.
211-6887	Piston Drive	23"	ONE GUN

Pneumatic Gun

Smooth Dispensing, Positive Application Control With a Minimum of Operator Effort



Best Seller

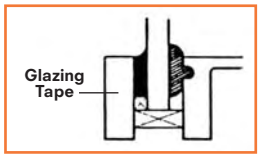
- **Connects to Any Standard 1/4" Hose Fitting**
- **Operates up to 125 psi or 4.5 CFM**
- **Instant Release Valve**

STOCK NO.	Description	Barrel Length	UNIT PKG.
211-6886	Non-Piston	12"	ONE GUN

PVC Foam Architectural Tape

Architectural Glazing Tape A-500





A Closed Cell Polyolefin Foam Sealant with Double-Faced Acrylic Adhesive

- **Blue Plastic Release Liner**
- **Neutral to All Sealants and Glazing Systems**

This medium density foam glazing tape has a patented cellular structure designed to withstand environmental breakdown and maintain an effective weather seal. It seals effectively against water and dirt and has excellent adhesion to aluminum, glass and other metals. It remains flexible at low temperatures and dimensionally stable at high temperatures. It also has superior resistance to oxidation and ultraviolet exposure. No shims are required for installation, and tape retains consistency throughout. It has been tested and approved for AAMA 810.1-92 Type 1, application temperature is 60°F to 100°F.

SOLD PER ROLL - COLOR: BLACK

	STOCK NO.	Thickness	Width	Length	Case	UNIT PKG.
	335-3509	1/32″	3/8″	300′	36	ONE ROLL
	335-3505	1/16″	1/4″	150′	80	ONE ROLL
	335-3508	1/16″	3/8″	150′	54	ONE ROLL
	335-3507	1/16″	1/2″	150′	41	ONE ROLL
BEST SELLER	335-3506	1/8″	3/8″	75′	54	ONE ROLL
	335-3504	1/8″	1/2″	75′	41	ONE ROLL

SOLD PER ROLL - COLOR: WHITE

STOCK NO.	Thickness	Width	Length	Case	UNIT PKG.
335-3511	1/16″	3/8″	150′	54	ONE ROLL
335-3512	1/8″	3/8″	75′	54	ONE ROLL

Norseal® V980

A Closed Cell PVC Sealant with Pressure Sensitive Adhesive on Two Sides

- **Excellent for Glazing of Joints with High Movement**
- **Paper Liner**



APPLICATIONS:

- **Exterior Glazing Sealant for Metal, Wood and Vinyl Sash Systems**
- **Heating and Ventilation Duct Systems • Die Cut Gaskets**
- **Commercial Refrigeration Glazing**
- **Vibration Dampening, Marine Glazing**
- **Special Formulation is Compatible with Most Glazing Components**
- **Good Choice to Seal Out Water, Dust and Light Even in Joints with a High Degree of Movement**
- **Excellent Resistance to Weathering, Oxidation and Ultraviolet Exposure**
- **When Properly Sized, Seals Effectively Without Shimming**
- **Excellent for Die Cutting Due to High Shore Hardness (ASTM-D2240)**
- **Provides Uniform Sight Lines Without Hand Tooling, Oozing or Cold Flow**
- **Aggressive Adhesive on Two Sides Aids in Assembly of Glazing**
- **Exceeds the Specifications (Spec. 810.1) for Expanded Cellular Glazing Tapes Established by the AAMA.**

SOLD PER ROLL - COLOR: BLACK

	STOCK NO.	Thickness	Width	Length	Series	Case	UNIT PKG.
	335-3575	1/32″	3/8″	200′	V-981	20	ONE ROLL
	335-3576	1/32″	1/2″	200′	V-981	20	ONE ROLL
	335-3577	1/16″	3/8″	200′	V-982	20	ONE ROLL
	335-3578	1/16″	1/2″	200′	V-982	20	ONE ROLL
BEST SELLER	335-3580	1/8″	1/2″	100′	V-984	40	ONE ROLL

Butyl Architectural Glazing Tape

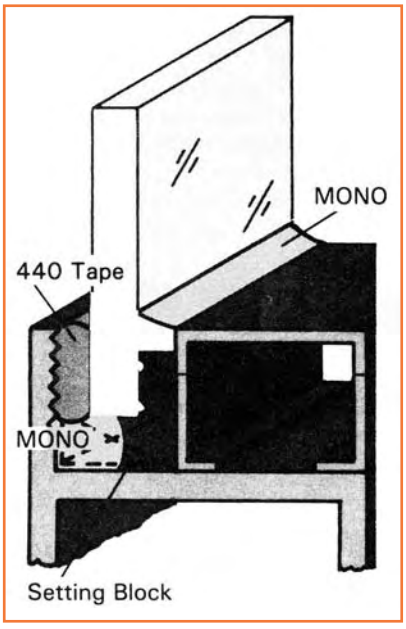
TREMCO® 440 II Tape

A 100% Solids, Crosslinked Butyl Preformed Sealant



APPLICABLE STANDARDS:
Tremco 440 tape meets the requirements of AAMA 800-92 specifications 804.3 and 807.3.

Tremco 440 II Tape is used for the non-compression glazing of vision lites and pandrel panels in metal and wood frames in low rise building construction. For most glazing applications, a 6″ toe bead of sealant is required at each corner to insure against water infiltration. Application temperature is -7°C (+20°F) to 49°C (120°F). Service temperature range is -40°C (-40°F) to 65°C (150°F). Use for lites under 75 united inches (1W+1L).

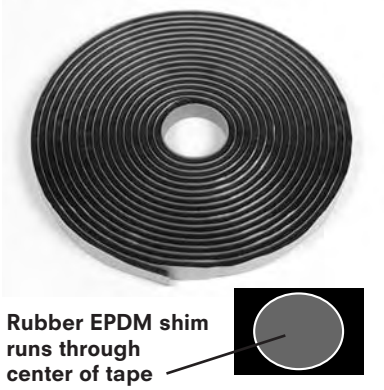


PACKAGED AND SOLD 20 ROLLS PER CARTON

	STOCK NO.	Thickness	Width	Color	Per Roll	Per Carton	UNIT PKG.
	335-3411	1/16″	3/8″	Black/Bronze	50′	1000′	ONE CARTON
	335-3402	1/16″	1/2″	Aluminum	50′	1000′	ONE CARTON
	335-3412	1/16″	1/2″	Black/Bronze	50′	1000′	ONE CARTON
	335-3403	1/8″	3/8″	Aluminum	25′	500′	ONE CARTON
BEST SELLER	335-3413	1/8″	3/8″	Black/Bronze	25′	500′	ONE CARTON
	335-3404	1/8″	1/2″	Aluminum	25′	500′	ONE CARTON
	335-3415	1/8″	1/2″	Black/Bronze	25′	500′	ONE CARTON
	335-3414	3/16″	1/2″	Black/Bronze	25′	500′	ONE CARTON
	335-3416	1/4″	1/2″	Black/Bronze	20′	400′	ONE CARTON

TREMCO® POLYshim™ II Architectural Butyl Glazing Tape

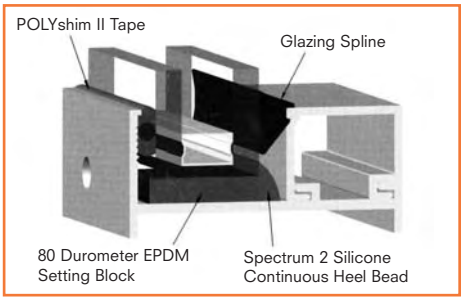
A 100% Solids, Crosslinked Butyl Preformed Tape



• High Performance Compression Glazing Systems • 3/8″ Width

APPLICABLE STANDARDS:
Tremco POLYshim II Tape meets the requirements of AAMA 800-92 specifications 804.3 and 807.3.

Tremco POLYshim II Tape is a 100% solids highly adhesive and elastic, crosslinked butyl preformed tape with a continuous integral EPDM shim. Used in high performance compression glazing systems.



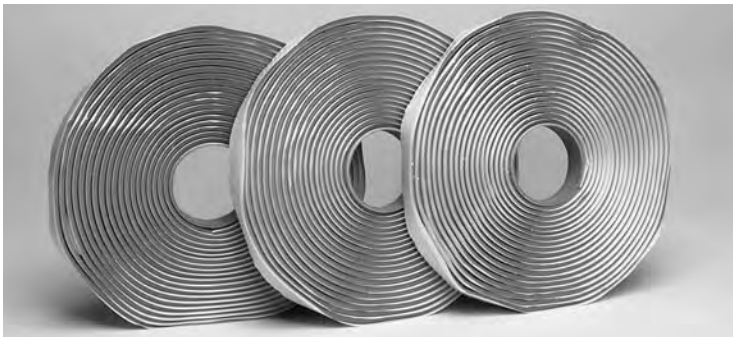
SOLD PER CARTON

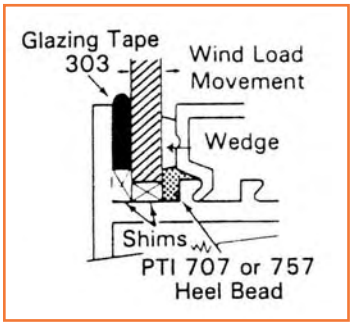
STOCK NO.	Thickness	EPDM Thickness	Color	Per Roll	Per Carton	UNIT PKG.
335-4232	3/32″	1/16″	Black/Bronze	50′	1600′	ONE CARTON
335-4234	1/8″	1/16″	Black/Bronze	50′	1500′	ONE CARTON
335-4236	5/32″	1/8″	Black/Bronze	40′	1280′	ONE CARTON
335-4238	7/32″	3/16″	Black/Bronze	25′	800′	ONE CARTON
335-4240	9/32″	1/4″	Black/Bronze	20′	640′	ONE CARTON

Butyl Architectural Tape and Seam Sealer

303 Architectural Glazing Tape

H.B. Fuller





A Butyl Tape for Glazing Windows, Mullions, and Decks

PTI 303 is a flexible adhesive-cohesive, crosslinked butyl polyisobutylene rubber glazing system, which has a 20 year life expectancy under extreme weathering conditions. 303 tapes do not harden or lose flexibility, adhesion or elongation even under prolonged exposure to high temperatures and ultraviolet light. Application temperatures are +20° to 120°F.
When channel glazing is over 100 united inches (1W+1L) or when there is excessive wind load, spacing shims are required to be placed on the perimeter of the fixed stop to compensate for excessive forces. Also recommended for tape glazing from interior to exterior store fronts and metal-to-metal building joints. Meets AAMA 804.1 specification. Developed specifically for use with 707 or 757 sealants.

PACKAGED AND SOLD 20 ROLLS PER CARTON

	STOCK NO.	Thickness	Width	Color	Per Roll	Per Carton	UNIT PKG.
BEST SELLER	335-3513	1/8″	3/8″	Black/Bronze	25′	500′	ONE CARTON
	335-3510	1/8″	3/8″	Gray	25′	500′	ONE CARTON
	335-3515	1/8″	1/2″	Black/Bronze	25′	500′	ONE CARTON
	335-3520	1/8″	1/2″	Gray	25′	500′	ONE CARTON

Acryl-R® Acrylic Narrow Joint Seam Sealer



Acryl-R seals small miter and butt joints in metal window/door assemblies and prevents air, dust or water penetration. It has a self-leveling property that provides an excellent, lasting seal. A one-part, fast drying elastomeric sealer for joints 1/8″ or smaller. Excellent adhesion to glass and anodized aluminum.

CAUTION: FLAMMABLE

STOCK NO.	Color	Contents	UNIT PKG.
335-2000	Gray	16 oz.	ONE CAN
335-2001	Bronze	16 oz.	ONE CAN
335-2002	White	16 oz.	ONE CAN
335-2003	Clear	16 oz.	ONE CAN

Heavy Duty Adhesive Pump Applicator

Fits 16 oz. Standard, Cone Type Cans



211-6575

211-6564
Use on Seam Sealer

A pistol style unit that fits all 16 oz. cone top adhesive and sealer cans. Designed for heavy duty use and long service. Easily disassembled for cleaning. Has a strong pump with a 4″ spout.

STOCK NO.	Description	UNIT PKG.
211-6599	16 oz. Applicator	ONE

PUMP ACCESSORIES

STOCK NO.	Description	UNIT PKG.
211-6575	3M Threaded Adapter	ONE
211-6564	Threaded Adapter	ONE

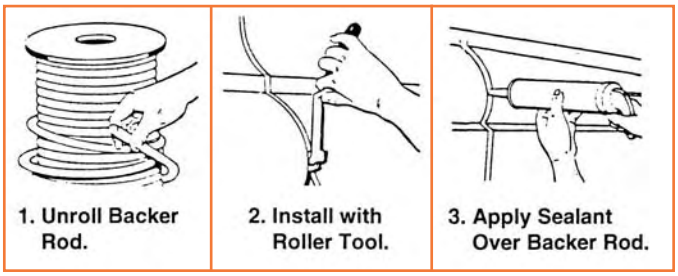
Backer Rod and Installation Tool

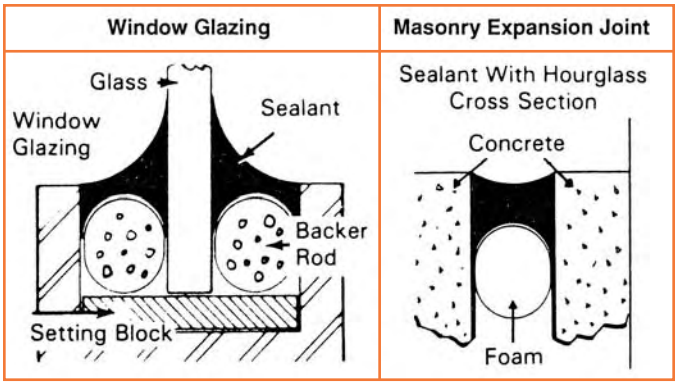
Backer Rod



- **Excellent Water Resistance**
- **Good High and Low Temperature Resistance**
- **Easily Compressed**
- **Compatible with Cold Applied Sealants**
- **Allows Easy Control of Sealant Thickness**
- **Low Moisture Absorbing Foam With Closed Cell Structure**

Backer rod is a polyethylene foam backing for use with elastomeric and other cold-applied sealants. It helps control the amount of sealant applied for a correct seal. By acting as a built-in bond breaker, it permits using the most efficient joint design. Typical uses are in glazing and expansion joint applications for windows, curtainwalls, expansion wall joints, partitions and doors. It is easily applied and will not stain covering sealant. Backer rod has excellent temperature variance resistance, and its special non-adhering surface prevents the sealant from bonding to the foam. It also eliminates the possibility of three-sided adhesion, controls joint depth, and ensures adhesion to both sides of the joint when the sealant is tooled.





SOLD PER CARTON

STOCK NO.	Rod Dia.	Joint	Contents	Total Length	UNIT PKG.
345-5150	1/4″	1/8″	1 Roll	4000′	ONE CARTON
345-5151	5/8″	1/4″	1 Roll	2100′	ONE CARTON
345-5152	3/8″	1/4″	1 Roll	2100′	ONE CARTON
345-5153	1/2″	3/8″	2 Rolls	2500′	ONE CARTON
345-5155	5/8″	1/2″	2 Rolls	1550′	ONE CARTON
345-5154	3/4″	5/8″	2 Rolls	1100′	ONE CARTON

SOF® Rod



- **Patented**



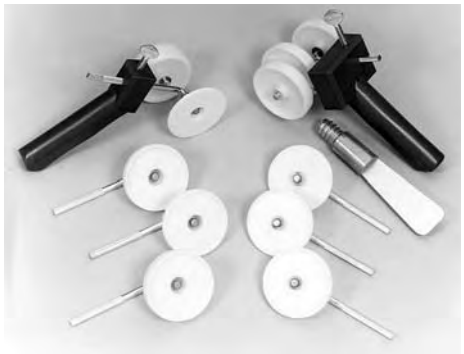
- **SOF Rod Does Not Cause Sealant Bubbles**
- **SOF Rod has the Same Compression as Closed Cell But is More Compressible Than Open Cell**
- **Competitive Cost Savings**

SOLD PER ROLL

STOCK NO.	Size	Joint	UNIT PKG.
345-6152	3/8″ x 2100′	1/4″	ONE ROLL
345-6153	5/8″ x 1550′	1/2″	ONE ROLL
345-6155	7/8″ x 850′	11/16″	ONE ROLL
345-6157	1-1/8″ x 500′	7/8″	ONE ROLL
345-6159	1-1/2″ x 420′	1″	ONE ROLL
345-6160	2″ x 1240′	1-1/8″	ONE ROLL

Backer Rod Insertion Tools

Places Backer Rod at Desired Depth - Fully Adjustable

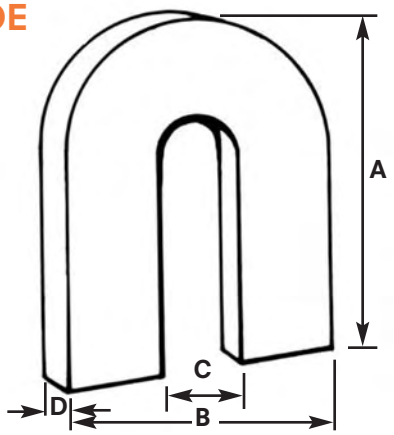


Standard Model - includes 4 insertion wheels and 1 tamping blade for 1/8″, 1/4″, 3/8″ and 1/2″ wide joints.
Corner Model - designed for filling joints in a corner. Includes 1/8″, 1/4″, 3/8″ and 1/2″ wide insertion wheels.
Roller Tool Set - includes both standard and corner models.

STOCK NO.	Description	UNIT PKG.
345-5200	Standard Model	ONE
345-5201	Corner Model	ONE
345-5202	Roller Tool Set	ONE SET

High Impact Plastic Shims

HORSESHOE SHIM

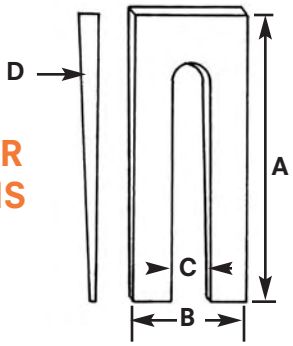


High Impact Plastic Shims Are . . .

- Economical
- Color Coded Thickness
- Wide Variety of Sizes
- Fire Retardant
- Compressive Strength of 10 to 12,000 PSI
- Coefficient of Linear Expansion is 3 to 5 x 10-5 Inches/Inch/Lc
- Unaffected by Micro-Organisms and Alkalis

STOCK NUMBER	"A" Length	"B" Width	"C" Slot	"D" Thickness	Color	Quantity	UNIT PKG.
345-5001	2"	1-1/2"	1/2"	1/16"	Blue	100	ONE BAG
345-5004	2"	1-1/2"	1/2"	1/16"	Blue	1000	ONE BOX
345-5002	2"	1-1/2"	1/2"	1/8"	Red	100	ONE BAG
345-5006	2"	1-1/2"	1/2"	1/8"	Red	1000	ONE BOX
345-5003	2"	1-1/2"	1/2"	1/4"	Black	100	ONE BAG
345-5007	2"	1-1/2"	1/2"	1/4"	Black	1000	ONE BOX
345-5020	3"	2-5/16"	13/16"	1/16"	Blue	100	ONE BAG
345-5023	3"	2-5/16"	13/16"	1/16"	Blue	1000	ONE BOX
345-5021	3"	2-5/16"	13/16"	1/8"	Red	100	ONE BAG
345-5024	3"	2-5/16"	13/16"	1/8"	Red	1000	ONE BOX
345-5022	3"	2-5/16"	13/16"	1/4"	Black	100	ONE BAG
345-5027	3"	2-5/16"	13/16"	1/4"	Black	500	ONE BOX
345-5030	3-1/2"	1-1/2"	1/2"	1/16"	Blue	100	ONE BAG
345-5033	3-1/2"	1-1/2"	1/2"	1/16"	Blue	1000	ONE BOX
345-5031	3-1/2"	1-1/2"	1/2"	1/8"	Red	100	ONE BAG
345-5034	3-1/2"	1-1/2"	1/2"	1/8"	Red	1000	ONE BOX
345-5032	3-1/2"	1-1/2"	1/2"	1/4"	Black	100	ONE BAG
345-5035	3-1/2"	1-1/2"	1/2"	1/4"	Black	500	ONE BOX
345-5040	4"	3"	13/16"	1/16"	Blue	100	ONE BAG
345-5043	4"	3"	13/16"	1/16"	Blue	500	ONE BOX
345-5041	4"	3"	13/16"	1/8"	Red	100	ONE BAG
345-5044	4"	3"	13/16"	1/8"	Red	500	ONE BOX
345-5042	4"	3"	13/16"	1/4"	Black	100	ONE BAG
345-5045	4"	3"	13/16"	1/4"	Black	250	ONE BOX

TAPER SHIMS

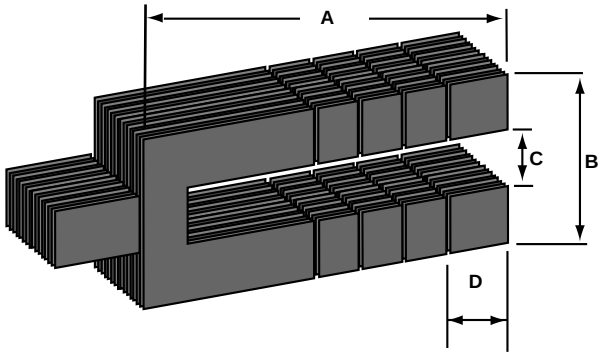


STOCK NUMBER	"A" Length	"B" Width	"C" Slot	"D" Thickness	Color	Quantity	UNIT PKG.
345-5046	3-3/8"	1-1/2"	1/2"	1/32-1/4"	Black	100	ONE BAG
345-5047	3-3/8"	1-1/2"	1/2"	1/32-1/4"	Black	1000	ONE BOX

Plastic Horseshoe Window Shims - Adjustable

Easy Adjustment - Just Snap Off Excess and Install

1/16" to 1" High - 4 Lengths



Econ-O-Shim® STACK SHIM

- Adjustable Heights
- Adjustable Lengths
- Conveniently Packaged
- Available in 2 Sizes
- Easy to Install
- Time and Labor Savings

Stack shim allows up to 4 length adjustments-up to 16 thickness adjustments. 3-1/2" and 4-1/4" lengths.16 shims are heat sealed into 1" stacks. Carton contains 63 stacks (1008 shims). Fire resistant. Will not rust, stain or bleach.

UNIT PKG : ONE STACK OF 16 SHIMS

STOCK NUMBER	"A" Length	"B" Width	"C" Slot	"D" Tabs	Quantity	UNIT PKG.
345-5028	3-1/2"	1-15/16"	5/8"	1/2"	1	ONE STACK
345-5029	3-1/2"	1-15/16"	5/8"	1/2"	63	ONE CARTON
345-5025	4-1/4"	1-15/16"	5/8"	1/2"	1	ONE STACK
345-5026	4-1/4"	1-15/16"	5/8"	1/2"	63	ONE CARTON

Wood Construction Shims

Made From Kiln Dried Northern White Wood

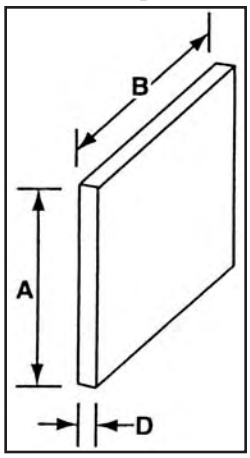


These pre-cut shims save time and effort at the job site. Used by professionals to shim windows, floors, joists, siding, door joints and as furring strips. Also used to level appliances, stir paint and spread adhesives. Shim is 3/8" x 1-1/2", tapered to 1/16". Length is 9". 16 shims per bundle, 30 bundles per case.

STOCK NO.	Contents	Weight	UNIT PKG.
345-5005	30 Bundles (480 Shims)	24 lb.	ONE CASE

Vers-A-Shim®

Solid Shim Strips - Patented



- Assures accurate placing and leveling of precast panels, tilt-up walls, structural and architectural components.
- Drill hole for precise size of anchoring system. The strips will stay in place without slippage or need for additional adjustment.
- Strips have excellent stability, eliminate rust, stained concrete, etc.
- Three convenient thicknesses. Vers-A-Shim is molded in 15 piece break-off sheets.

STOCK NO.	Size A	Size B	Size D	Quantity	UNIT PKG.
345-5073	4"	2"	1/16"	1000	ONE CTN.
345-5074	4"	2"	1/8"	1000	ONE CTN.
345-5072	4"	2"	1/4"	500	ONE CTN.

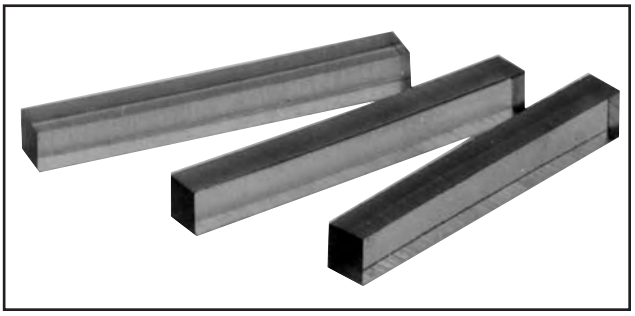
Setting Blocks

CHOOSING THE RIGHT BLOCK MATERIAL

Many different types of rubber and plastic are used to manufacture setting blocks. Some of the most common are Chloroprene (Neoprene), EPDM Rubber, Flexible PVC, Silicone, and Thermoplastic rubber (Santoprene is a common example).
As an overview to maintain a quality product, purchase the best material for the job at the least cost.
The single most important question is the necessary compatibility with all other components, including the other sealant used in the final product. Silicone and sometimes the thermoplastic "Santoprene" as well as other thermoplastics will be the material most commonly specified in the architectural market, and although pricey, almost all are guaranteed to be compatible with silicone sealant. Neoprene and EPDM are the next two common products, all purpose elastomers. They are suitable in many architectural, window and storefront applications.

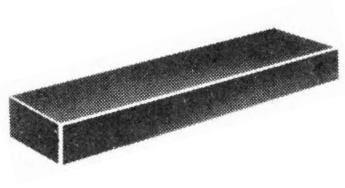
Clear Plastic Setting Blocks

Used to Level Glass in Mirror Installations



STOCK NO.	Size	Quantity	UNIT PKG.
345-6585	1/4 x .040 x 2	100	ONE BOX
345-6580	1/4 x .040 x 2	1000	ONE BOX
345-6584	1/4 x .125 x 2	100	ONE BOX
345-6591	1/4 x .125 x 2	1000	ONE BOX
345-6586	1/4 x .156 x 2	100	ONE BOX
345-6581	1/4 x .156 x 2	1000	ONE BOX
345-6587	1/4 x .250 x 2	100	ONE BOX
345-6582	1/4 x .250 x 2	1000	ONE BOX
345-6588	1/4 x 3/8 x 2	100	ONE BOX
345-6583	1/4 x 3/8 x 2	1000	ONE BOX

EPDM Rubber Setting Blocks



STOCK NO.	Size	Quantity	UNIT PKG.
345-5120	1/16 x 1-1/8 x 4	1750	ONE BOX
345-5125	1/2 x 1-1/8 x 4	250	ONE BOX
345-5126	1/2 x 7/16 x 4	500	ONE BOX
345-5123	1/4 x 1-1/8 x 4	450	ONE BOX
345-5121	1/8 x 1-1/8 x 4	875	ONE BOX
345-5122	3/16 x 1-1/8 x 4	625	ONE BOX
345-5124	3/8 x 1-1/8 x 4	300	ONE BOX
345-5127	5/8 x 1-1/8 x 4	200	ONE BOX

Premium Silicone Setting Blocks



STOCK NO.	Size	Quantity	UNIT PKG.
345-5130	1/16 x 1-1/8 x 4	1750	ONE BOX
345-5131	1/8 x 1-1/8 x 4	875	ONE BOX
345-5132	3/16 x 1-1/8 x 4	625	ONE BOX
345-5133	1/4 x 1-1/8 x 4	450	ONE BOX
345-5134	3/8 x 1-1/8 x 4	300	ONE BOX
345-5135	1/2 x 1-1/8 x 4`	250	ONE BOX
345-5136	1/2 x 7/16 x 4	500	ONE BOX
345-5137	5/8 x 1-1/8 x 4	200	ONE BOX
345-5138	1/16 x 3/16 x 2	1000	ONE BOX

Neoprene Setting Blocks

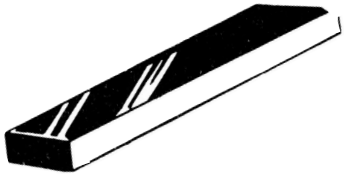


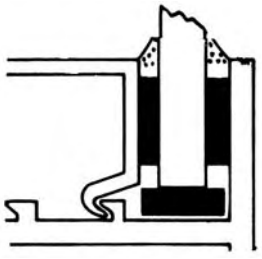
STOCK NO.	Size	Quantity	UNIT PKG.
345-5110	1/16 x 1-1/8 x 4	1750	ONE BOX
345-5115	1/2 x 1-1/8 x 4	250	ONE BOX
345-5116	1/2 x 7/16 x 4	500	ONE BOX
345-6361	1/4 x 1-1/8 x 2	100	ONE BOX
345-5113	1/4 x 1-1/8 x 4	450	ONE BOX
345-5111	1/8 x 1-1/8 x 4	875	ONE BOX
345-6574	1 x 1/2 x 4	250	ONE BOX
345-6360	1 x 1/4 x 2	100	ONE BOX
345-6460	1 x 1/4 x 2	1000	ONE BOX
345-6573	1 x 1/4 x 4	100	ONE BOX
345-6359	1 x 1/8 x 2	100	ONE BOX
345-6459	1 x 1/8 x 2	1000	ONE BOX
345-6572	1 x 1/8 x 4	100	ONE BOX
345-5112	3/16 x 1-1/8 x 4	625	ONE BOX
345-6571	3/4 x 1/4 x 4	100	ONE BOX
345-6570	3/4 x 1/8 x 4	100	ONE BOX
345-5114	3/8 x 1-1/8 x 4	300	ONE BOX
345-6458	5/8 x 1/4 x 2	1000	ONE BOX
345-6358	5/8 x 1/4 x 2	100	ONE BOX
345-6357	5/8 x 1/8 x 2	100	ONE BOX
345-5117	5/8 x 1-1/8 x 4	200	ONE BOX

Setting Blocks and Touch-Up Paint

PVC Glass Setting Blocks

Used to Level and Cushion Glass in Storefront Installations 90° Durometer

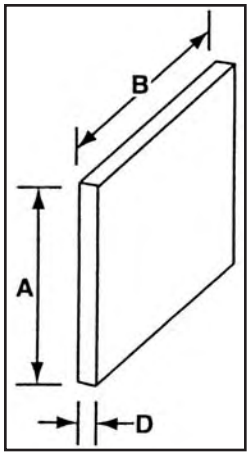




2" and 4" Lengths

These PVC blocks are for the proper and correct leveling and cushioning of glass in storefront installations. Ideal for fabricating insulating glass units, windshield replacement, and J-Bar installations where moisture is a concern. Extremely useful in spacing or blocking of installed glass and are resilient to withstand vibration, ground shock, variations in wind pressure and extreme temperature changes.

STOCK NO.	Size	Quantity	UNIT PKG.
345-6556	1/4 x 1/16 x 4	100	ONE BOX
345-7556	1/4 x 1/16 x 4	1000	ONE BOX
345-6557	1/4 x 1/8 x 4	100	ONE BOX
345-7557	1/4 x 1/8 x 4	1000	ONE BOX
345-6567	1/4 x 1/4 x 2	100	ONE BOX
345-6566	1/4 x 3/8 x 2	100	ONE BOX
345-6569	3/8 x 1/8 x 2	100	ONE BOX
345-6568	3/8 x 3/16 x 2	100	ONE BOX
345-6561	1/2 x 1/16 x 2	100	ONE BOX
345-7561	1/2 x 1/16 x 2	1000	ONE BOX
345-6562	1/2 x 1/8 x 2	100	ONE BOX
345-7562	1/2 x 1/8 x 2	1000	ONE BOX
345-6563	1/2 x 1/4 x 2	100	ONE BOX
345-7563	1/2 x 1/4 x 2	1000	ONE BOX
345-6564	1/2 x 3/8 x 2	100	ONE BOX
345-7564	1/2 x 3/8 x 2	1000	ONE BOX
345-6565	1/2 x 1/2 x 2	100	ONE BOX



Vers-A-Shim®

Solid Shim Strips - Patented High Impact Plastic

- Assures accurate placing and leveling of precast panels, tilt-up walls, and structural components.
- Drill hole for precise size of anchoring system. Strips stay in place without slippage.
- Strips have excellent stability, eliminate rust, stained concrete, etc.
- Three convenient thicknesses. Vers-A-Shim is molded in 15 piece break-off sheets.

STOCK NO.	Size A	Size B	Size D	Quantity	UNIT PKG.
345-5073	4"	2"	1/16"	1000	ONE CTN.
345-5074	4"	2"	1/8"	1000	ONE CTN.
345-5072	4"	2"	1/4"	500	ONE CTN.

AlumaColor

Metal Extrusion Touch-Up Paint



"The Quick Fix"



Perfect For Use On:
- **Aluminum Storefront Sections**
- **Aluminum Door & Window Frames**
- **Touch-Up Use in the Field**

AlumaColor is an outstanding aerosol touch-up paint for use on aluminum building materials. This paint is for touch-up work only. Product performance is not warranteed. The special lacquer formulation dries within 10 minutes with excellent color retention and durability.

NOTE: Always shake vigorously before using to insure that mixing balls are activated. Use and store in an area away from open flame or intense heat.

SOLD PER 12 OZ. AEROSOL CAN - 6 CANS PER CARTON

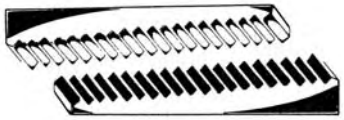
FINISHES FOR ANODIZED ALUMINUM

STOCK NO.	Mfg's #	Color	UNIT PKG.
336-8521	77-301	Medium Bronze	ONE CAN
336-8522	77-302	Dark Bronze	ONE CAN
336-8526	77-300	Statuary Bronze	ONE CAN
336-8528	77-312	California Black/Bronze	ONE CAN
336-8523	77-303	Black	ONE CAN
336-8525	77-305	Aluminum (BEST SELLER)	ONE CAN

FINISHES FOR COATED ALUMINUM

STOCK NO.	Mfg's #	Color	UNIT PKG.
336-8527	77-311	Florida MB-40 Med. Bronze	ONE CAN
336-8532	77-306	Quaker Bronze	ONE CAN
336-8533	77-308	Architectural Black	ONE CAN
336-8538	77-309	Antique Bronze	ONE CAN
336-8537	77-307	Cloud White	ONE CAN

Plastic Glass Setting Blocks



Solid plastic setting blocks are adjustable from 1/4" up to 11/16". Blocks will not chip the glass, sag, rot, crack or corrode. Two blocks comprise each set. Interlocking teeth prevent slippage.

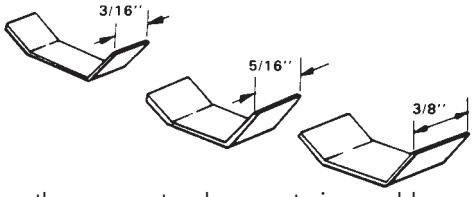
STOCK NO.	Width	Length	Contents	UNIT PKG.
345-6615	3/8"	2-1/2"	2	ONE SET.
345-6616	1/2"	2-1/2"	2	ONE SET

Flat Glass Spacers, Mall Clamps and Rockite

Wedgits

Glass Centering Springs

Keeps Glass Centered in Channel Prior to Sealant Application



Wedgits are the answer to glass centering problems. For best results, spacers should be placed directly opposite each other on either side of the glass, and spaced approximately 18" apart.

STOCK NO.	Width	Length	Approx Qty.	Wt.	UNIT PKG.
341-4682	3/16"	1-1/8"	1500	1 lb.	ONE BOX
341-4683	5/16"	1-1/8"	1000	1 lb.	ONE BOX
341-4684	3/8"	1-1/8"	1000	1 lb.	ONE BOX

Rockite®



- **Cement for Glazing Contractors**

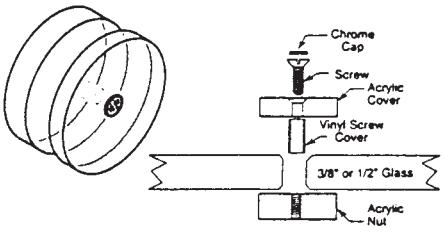
Rockite is a hydraulic type cement compound. Typical applications are for setting floor closers in commercial doors or attaching shoe rails on glass doors. Self-leveling Rockite is mixed with water and sets in 15 minutes. Within one hour, a compression strength of 4500 lbs. per square inch is achieved.

STOCK NO.	Description	UNIT PKG.
335-0010	10 lb. Plastic Tub	ONE
335-0025	25 lb. Fiber Carton	ONE
335-0051	50 lb. Plastic Pail	ONE

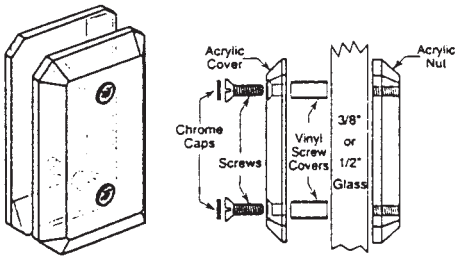
Interior Mall Glass Clamps

- **For 3/8" or 1/2" Glass**
- **Clear Acrylic**

180°

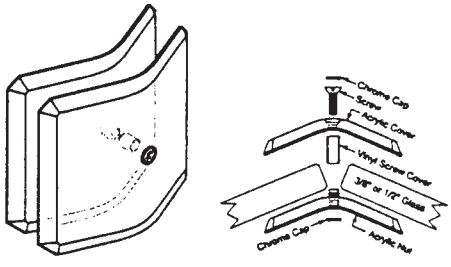


STOCK NO. 200-0181 - 180° Round Clamp

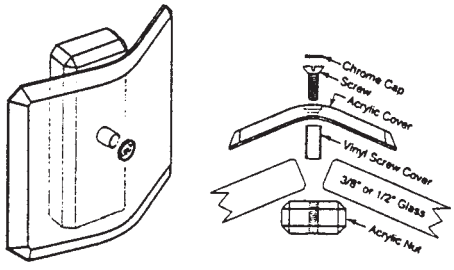


STOCK NO. 200-0180 - 180° Straight Clamp

135°



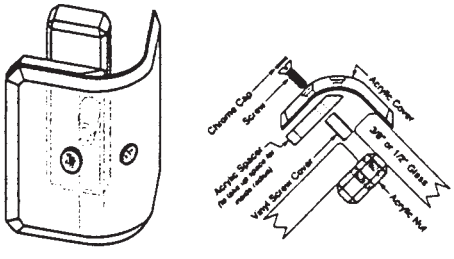
STOCK NO. 200-1351 - 135° Inside/Outside Angle Clamp



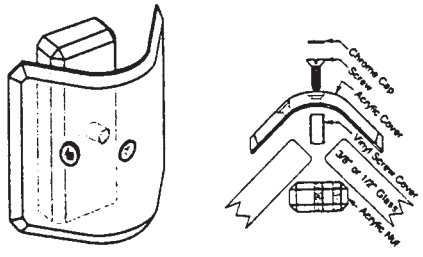
STOCK NO. 200-1350 - 135° Outside Angle Clamp

Clamp comes with a piece of vinyl tubing, screw(s) and chrome screw cap(s).

90°



STOCK NO. 200-0900 - 90° Lap or Butt Joint



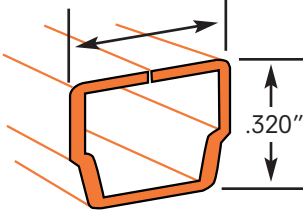
STOCK NO. 200-0901 - 90° Butt Joint

Sold Each STOCK NO.	Desc.
200-0180	180° Straight
200-0181	180° Round
200-1350	135° Outside
200-1351	135° In/Out
200-0900	90° Lap/Butt
200-0901	90° Butt

Air Spacers

Standard Aluminum Laser-Welded Air Spacers

Fractional Spacer Width Measured at Top

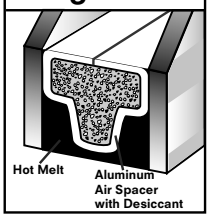




Aluminum and Dark Bronze Anodized

Our best selling air spacers have laser welded seams, a ridged interior base that helps to hold the corner key in place and openings for desiccant function. Spacer height is .320″ and length is 12′8″. Spacers sold each or by case.
Cases of spacers F.O.B. nearest warehouse.

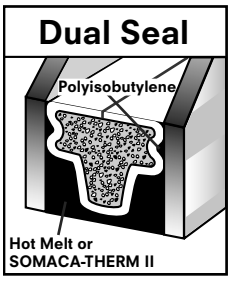
Single Seal

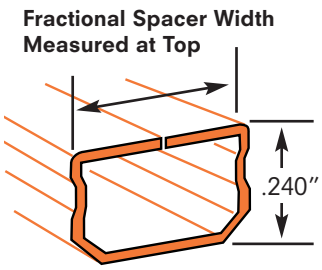


Width	Anodized Air Spacers *BEST SELLER MINIMUM ORDER IS 10 LENGTHS Color: Aluminum STOCK NO.	Color: Dark Bronze STOCK NO.	UNIT PKG.	Flex Corner Keys with Hook STOCK NO.	UNIT PKG.	Fixed Corner Keys with Hook STOCK NO.	UNIT PKG.
3/16″	345-5450 345-5750	345-5630 345-5806	1 350	345-5670 345-5760	100 4000	345-5460 345-5770	100 4000
1/4″	345-5451* 345-5751	345-5631* 345-5807	1 450	345-5671 345-5761	100 3500	345-5461 345-5771	100 2400
5/16″	345-5452 345-5752	345-5632 345-5808	1 350	345-5672 345-5762	100 2800	345-5462 345-5772	100 2000
3/8″	345-5453 345-5753	345-5633 345-5809	1 285	345-5673 345-5763	100 2400	345-5463 345-5773	100 1600
7/16″	345-5454 345-5754	345-5634 345-5810	1 252	345-5674 345-5764	100 1800	345-5464 345-5774	100 1500
1/2″	345-5455* 345-5755	345-5635* 345-5811	1 216	345-5675 345-5765	100 1500	345-5465 345-5775	100 1000
9/16″	345-5458 345-5756	345-5638 345-5813	1 198	345-5678 345-5766	100 1200	345-5468 345-5777	100 800
5/8″	345-5456 345-5757	345-5636 345-5812	1 216	345-5676 345-5767	100 1000	345-5466 345-5776	100 1000
11/16″	345-5459 345-5758	345-5639 345-5814	1 160	345-5679 345-5768	100 800	345-5469 345-5778	100 500
3/4″	345-5457 345-5759	345-5637 345-5815	1 144	345-5677 345-5769	100 800	345-5467 345-5779	100 500

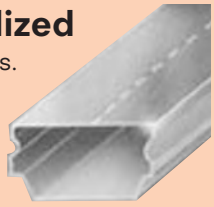
Air Spacers

Low Profile and Dual Seal Aluminum Laser-Welded Air Spacers

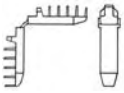




Aluminum and Dark Bronze Anodized



Low profile air spacers are ideal for aftermarket repairs. They set back, closer to the glass edge, eliminating sightline problems when matching other types of spacers. Dual Seal units are created by applying P.I.B. (Polyisobutylene) to the indented area of the spacer sides. If spacer is to be bent, a special order must be requested so the top can be perforated during manufacturing. Spacer height is .240" and length is 12'8". Spacers sold each or by case. Cases of spacers F.O.B. nearest warehouse.

	Anodized Air Spacers			Flex Corner Keys with Fin	
	*BEST SELLER MINIMUM ORDER IS 10 LENGTHS				
	Color: Aluminum	Color: Dark Bronze			
Width	STOCK NO.	STOCK NO.	UNIT PKG.	STOCK NO.	UNIT PKG.
3/16"	345-5490 345-5791	345-5590 345-5781	1 425	345-5660 345-5816	100 3500
1/4"	345-5491* 345-5792	345-5591 345-5782	1 550	345-5661 345-5817	100 8500
5/16"	345-5492 345-5793	345-5592 345-5783	1 425	345-5662 345-5818	100 6000
3/8"	345-5493 345-5794	345-5593 345-5784	1 375	345-5663 345-5819	100 5000
7/16"	345-5494 345-5795	345-5594 345-5785	1 344	345-5664 345-5820	100 4200
1/2"	345-5495* 345-5796	345-5595* 345-5786	1 288	345-5665 345-5821	100 3600
9/16"	345-5498 345-5797	345-5598 345-5787	1 240	345-5668 345-5822	100 3200
5/8"	345-5496 345-5798	345-5596* 345-5788	1 225	345-5666 345-5823	100 3000
11/16"	345-5499 345-5800	345-5599 345-5790	1 200	345-5669 345-5824	100 2800
3/4"	345-5497 345-5799	345-5597 345-5789	1 200	345-5667 345-5825	100 2400

Insulating Glass Desiccant

SOMACA Desiccant Mix

Provides Protection Against Fogging

Formulation:
- **50% Molecular Sieve**
- **25% White Silica Gel**
- **25% Color Coded Silica Gel**



A specially formulated desiccant providing an outstanding mixture which rapidly absorbs moisture and vapors. It insures that complete dryness will be attained with insulating glass units after they have been sealed. Do not use with gas filled units because Gel absorbs gases.

STOCK NO.	Size	UNIT PKG.
345-5420	5 lbs.	ONE CAN
345-5425	25 lbs.	ONE PAIL

Zeochem M83

100% Molecular Sieve



Removes moisture and solvent vapors, and reduces glass deflection due to nitrogen absorptions. Particle size is 1-2mm (9x16 mesh). Zeochem M83 is 100% molecular sieve in spherical form.
Recommended for use with most IG sealant systems except gas filled units.

STOCK NO.	Size	UNIT PKG.
345-5531	25 lbs.	ONE DRUM
345-5532	50 lbs.	ONE DRUM
345-5533	150 lbs.	ONE DRUM

Zeochem M13



For Gas Filled Units

Preferred for gas filled I.G. units when used with single seal hot melt butyl or dual seal units where P.I.B. is the primary seal. This 100% molecular sieve has a 1-2mm (9 x 16 mesh) particle size.
M13 virtually eliminates glass deflection due to nitrogen adsorption. It also has excellent adsorption capacity for water vapor.

STOCK NO.	Size	UNIT PKG.
345-5534	25 lbs.	ONE DRUM
345-5535	50 lbs.	ONE DRUM
345-5536	150 lbs.	ONE DRUM

Zeochem Test Kit



Zeochem's test kit is a rapid indicator of activity for Zeochem absorbents. Active absorbents release heat in contact with water, and the released heat is measured as a temperature rise on the thermometer in the test kit. The amount of temperature rise is an indicator of the activity or residual moisture content of the absorbent.
Kit contains a small plastic container for loading with absorbent for testing, two beakers and a thermometer packed in a protective aluminum vial. Test kit includes instructions and a graph indicates when the absorbent is at an acceptable level or when it should not be used. The kit is packed in a plastic case with protective foam.

STOCK NO.	Description	UNIT PKG.
200-2542	Zeochem Test Kit	ONE KIT

ZEOCHEM

Desiccant Filling Recommendation

Air Space	Approx. Weight of Desiccant /Lineal Inch*	Sides to be Filled Aspect Ratio** 1/1	2/1	3/1	4/1
3/16	.34 g	4	4	4	4
1/4	.55 g	4	4	4	4
5/16	.78 g	3	2L/1S	2L	2L
3/8	1.08 g	3	2L	2L	2L
7/16	1.48 g	3	2L	2L	2L
1/2	1.55 g	2	1L/1S	1L	1L
9/16	1.60 g	2	1L	1L	1L
5/8	1.83 g	2	1L	1L	1L
11/16	1.89 g	2	1L	1L	1L

L - Long Side S - Short Side
*** Will vary with desiccant type and spacer profile**
**** Aspect ratio - Ratio of long side to short side**

Desiccant Fillers



Heavy Duty Model
30 lbs. Capacity

Heavy Duty Model: 12 gauge steel hopper will hold more than 30 gallons of desiccant. Fills over 40 plus spacers at one time. Inside heating element.
Economy Model: Holds 12 gallons of desiccant. Fills up to 35 spacers at one time.
Both models provide you with a simple, fast and convenient way of filling I.G. spacers continually.

STOCK NO.	Description	UNIT PKG.
240-2105	Heavy Duty Floor Model	ONE FILLER
240-2104	Economy Floor Model	ONE FILLER

Vibrating Pneumatic Desiccant Filling Machine

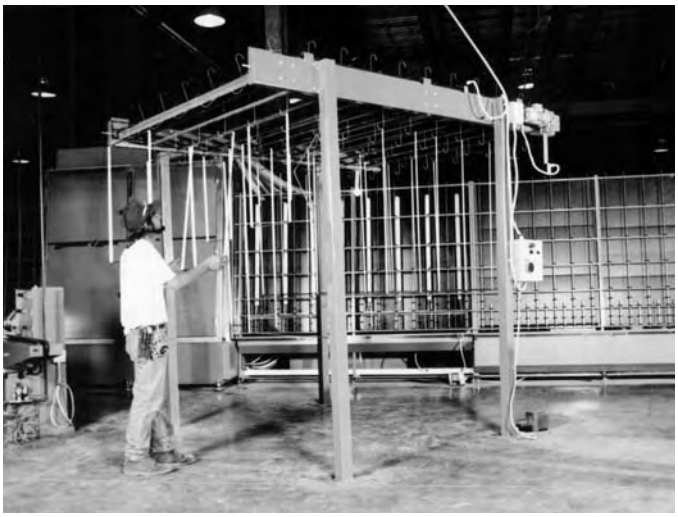


55 lbs. Capacity

The VDF1 Vibrating Pneumatic Desiccant Filling Machine quickly packs hollow air spacer frames with desiccant. Maximum hopper capacity is 55 pounds and up to 20 air spacers can be filled at one time.

VDF-1 . . . Factory #4700140-0

Overhead Spacer Frame Conveyor

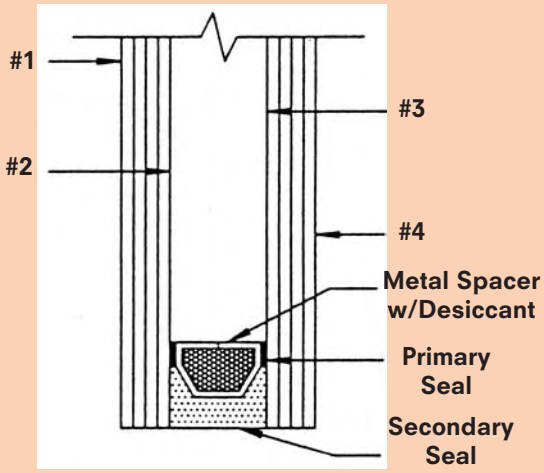


The overhead spacer frame conveyor is used for the temporary storage, separation, and transport of coated or uncoated frames. It gives you a large storage capacity with a small space requirement. A photo-cell automatically controls frame transportation and position, ensuring safe frame separation. A foot switch controls advancement and frame stops. Conveyor is 110" high (2,800mm) x 87" wide (2,200mm).

OSF-1 . . . Factory #4700165-0. 230 Volt.
OSF-1 . . . Factory #4700166-0. 460 Volt.

Insulating Glass Unit Surfaces

Exterior **Interior**

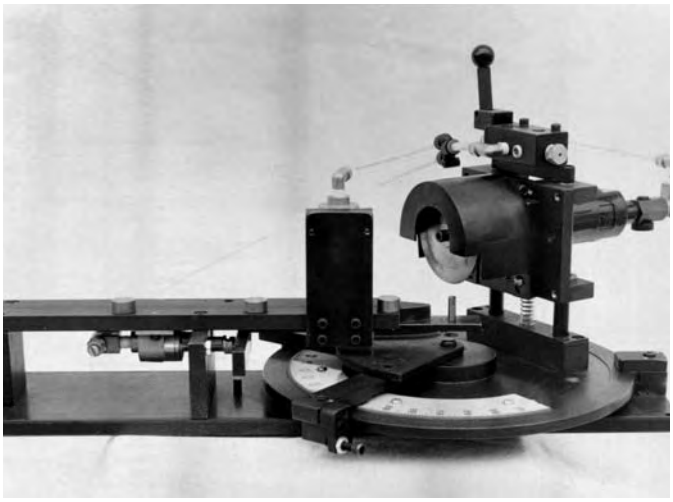


GANA Glazing Manual

Spacer Bender and Saws

Diamond Pattern End Saw

Cuts Correct Angle to Make Diamond Pattern Muntins



Pneumatically Operated

The Diamond End Saw will turn up to 75° in either direction to handle angle cuts needed to make diamond pattern muntins. The machine can be changed over to any size muntin by simply exchanging three locating pins.
Operates on 110 psi - Minimum 1HP compressor.
F.O.B. South Bend, IN.

STOCK NO.	Description	Weight	UNIT PKG.
240-2200	Diamond End Saw	60 lbs.	ONE SAW
240-2201	Blade		ONE SAW

Insulating Glass Gloves

Smooth Finish

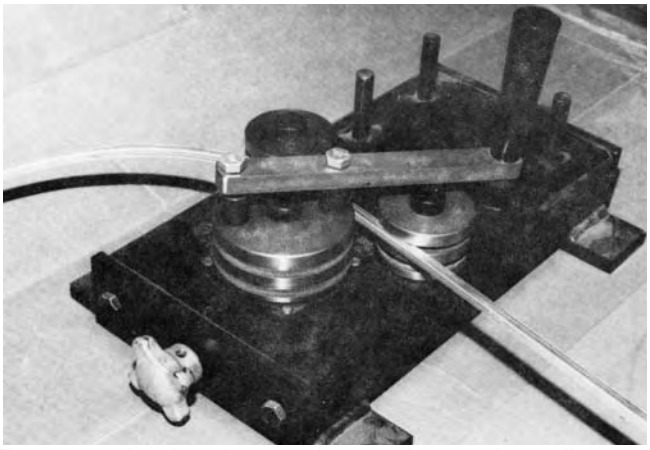


The ultimate in "lint" and "smudge-free" protection, while handling glass in insulating glass shops or tempering plants. This white, vinyl laminated glove resists stains and acids.

CASE QUANTITY: 12 PAIR

STOCK NO.	Description	UNIT PKG.
240-4108	Cuffed Style/Coated Palm	ONE PAIR

Spacer Bar Bender



The spacer bar bending machine is designed to roll spacer bars to any radius permissible. Manually operated, it uses a knurled pressure drive roller with two forming die rollers. The forming die rollers are grooved for your specific width and brand of spacer.
As the spacer is forced through the forming rollers, the amount of bend is increased by moving the drive roller closer to the forming rollers with each successive pass until the desired radius is attained. Quick interchange of the forming die rollers allows versatility in forming different size spacer bars. **Machine comes with one set of forming die rollers (double grooved) capable of forming any two sizes of your spacer up to a total width of 7/8", such as 1/2" and 3/8", or 1/4" and 5/8"**.

STOCK NO.	Description	UNIT PKG.
240-2115	Spacer Bar Bender	ONE UNIT
240-2117	Replmt. Double Groove Forming Die	ONE DIE
240-2118	Single Groove Die for Bars over 5/8"	ONE DIE

Muntin Bar Rollers

Muntin Bar Rollers fit the spacer bar bender so it can also be used to form standard muntin bars into circles or arches.

STOCK NO.	Description	UNIT PKG.
240-2119	Muntin Bar Roller	ONE ROLLER

Aluminum Foil Tape

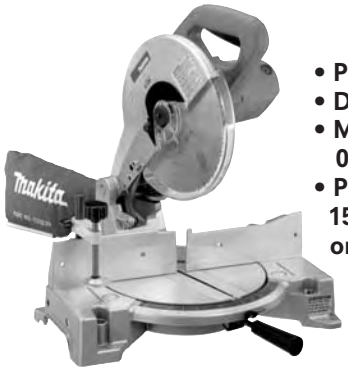
For Trimming Edges of I.G. Units



This extra wide, heavy duty aluminum foil tape quickly and easily attaches to edges of an insulating glass unit to give a neat, finished look. Aluminum foil with highly reflective backing gives the appearance of metal bound units.

STOCK NO.	Width	Length	UNIT PKG.
345-5470	1-1/2"	60 yds.	ONE ROLL

Makita® 10" Miter Saw



- Powerful 15 amp Motor
- Dual Post Cutting Arm
- Miter Cuts 0-45° Left and 0-52° Right
- Positive Stops at 9 Settings: 15°, 22.5°, 30°, 45° right or left, and 0°(90° Cuts)

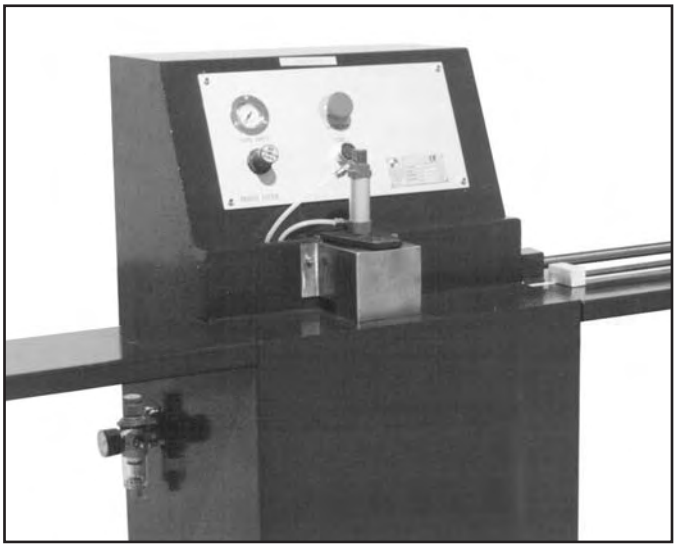
SPECIFICATIONS:

Blade Diameter	10" (255mm)
Arbor	5/8" (16mm)
Max. Cutting Capacities (H x W)	
@ 90°	2-3/4" x 5-1/8" (69mm x 130mm)
@ 45°	2-3/4" x 3-5/8" (69mm x 92mm)
No Load Speed	4600 rpm
AMPS (115V)	15.0
Net Weight	24.3 lbs. (11.0kg)

Saw Includes: socket wrench, wood cross-cut blade (50 teeth), dust bag, and triangular rule.

STOCK NO.	Description	Model	UNIT PKG.
230-3926	10" Miter Saw	LS1030N	ONE SAW
230-3033	10" Carbide Blade - 70 Teeth		ONE BLADE

Profile Cutting Machine



Features a foot activated pneumatic clamp and saw as well as a ruler measurement of the frame length. Loading and measuring arms of the ruler are 118" (3,000mm) long. Measures 36" high (910mm) x 20" wide (500mm) x 273" long (6.950mm), including spacer supports. 203V/60 cycle.

CS - 1 . . . Factory #4700160-0

Milwaukee® 10" Magnum Compound Miter Saw

- Precision Bevel Adjustment, Non-Slip Locking System
- Roller Bearing Miter Table Rotation System
- Hi-Visibility Bevel Scale
- Wide Miter - 51° Left and 59° Right
- Positive Stops at 15°, 22.5°, 30°, 45° right & left



Saw Includes: carbide tipped blade and blade wrench.

SPECIFICATIONS:

Blade Diameter	10" (255mm)
Arbor	5/8" (16mm)
No Load Speed	4800 rpm
AMPS (115V)	15.0
Net Weight	37.5 lbs. (17.0kg)

STOCK NO.	Description	Model	UNIT PKG.
230-2202	10" Compound Saw	6494-6	ONE SAW

Air Powered Insulating Glass Spacer Imprinter

Prints Up to 16 Letters or Numbers



Shown With Guard Removed

STOCK NO. 240-2198
Imprints up to 16 numbers or letters on any size spacer from 1/4" to 7/8". Use steel type that is individually replaceable. Comes complete with arbors, and additional arbors are available on request. Operates on 50 to 120 psi.

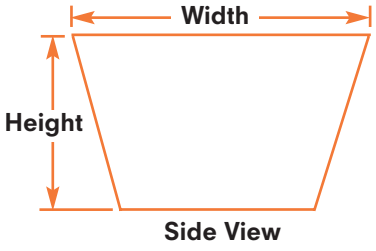
STOCK NO. 240-2199
Set of letters and numbers for imprinting. Specify Coding.

Hot Melt Butyl Supplies

Hot Melt Butyl Sealant Bulk-Cakes and Slabs

For Super Squirt Extruder





Approximate Size	Height	Width	Length
Large Cake - Fuller	4″	6″	8″
Large Cake - Somaca	4-1/4″	6-1/4″	8-1/2″
Super Squirt Cake	1″	5″	6-1/8″

CAKES SOLD PER CASE

LARGE CAKE - FULLER

STOCK NO.	Brand	Average Wt.	Cakes	UNIT PKG.
345-5411	Fuller	50 lbs.	8	ONE CASE

#HM-1191-5066 black has a viscosity of 155,000 CPS and overlap shear of 32 psi. Fuller products on this page comply CBA level under ASTM E773/E774 and the Canadian standard.

LARGE CAKE - SOMACA

STOCK NO.	Brand	Average Wt.	Cakes	UNIT PKG.
345-5415	Somaca	48 lbs.	8	ONE CASE

Somaca Hot Melt Butyl has a viscosity of 100,000 CPS and shear strength of 55 psi. Exceeds ASTM E773/E774 specifications. The cutting of mini-cakes is necessary for use with the Super Squirt Extruder.

SUPER SQUIRT CAKE

STOCK NO.	Brand	Average Wt.	Cakes	UNIT PKG.
345-5410	Somaca	32 lbs.	36+	ONE CASE

Somaca Hot Melt Butyl has a viscosity of 100,000 CPS and shear strength of 55 psi. Exceeds ASTM E773/E774 specifications. No cutting of Super Squirt cakes is necessary when used with the Super Squirt Extruder.

Super and Economy Hot Trim Knives



Super knife quickly trims off excess hot melt butyl from finished insulating glass units. Also ideal for cutting chunks into smaller pieces for fast warm-up in thermal extruders.

STOCK NO.	Description	Weight	UNIT PKG.
230-5300	Super Hot Knife	1-3/4 lbs.	ONE KNIFE
230-5301	Replacement Hot Knife Blade		ONE BLADE

Economy knife trims off excess hot melt butyl. Permanent, non-replacable tip. 110 volt.



STOCK NO.	Description	Weight	UNIT PKG.
200-0990	Economy Hot Knife	1-1/2 lbs.	ONE KNIFE

Fuller ThermoSeal HM-1081A Hot Melt Butyl Glass Sealant



ThermoSeal Hot Melt HM-1081A is a 100% solid, black single component sealant, designed for the sealed insulating glass industry. Viscosity is 300,000 CPS with a 50 lbs. overlap shear. Exceeds ASTM EGP3 Level CBA. Cartridge ovens can be special ordered.

SOLD PER CARTON OF 24 CARTRIDGES

STOCK NO.	Cartridge Size	Weight	UNIT PKG.
345-5405	11 fl. oz.	24 lbs.	ONE CARTON

Fuller HM-1191 Hot Melt Butyl Glass Sealant

5 GALLON PAIL HOT MELT BUTYL
F.O.B. ST. PAUL, MN

STOCK NO.	Size	UNIT PKG.
345-5409	5 Gallon Pail	ONE PAIL

Average Weight per Pail is 49 lbs.



Replacement Hose

Fits Super Squirt Mark II or 5 Gallon Pail Extruder

STOCK NO.	Description	UNIT PKG.
230-5416	8′ Extruder Hose	ONE HOSE

Extruders and Hot Melt Butyl

Hot Melt Butyl Rope Sealant
For Somaca Extruder Gun

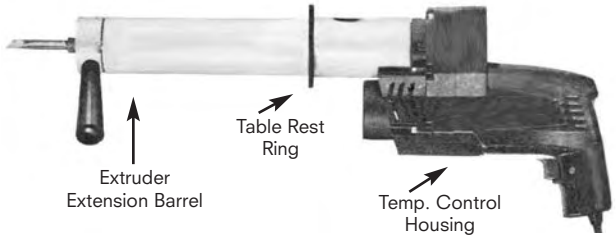
High quality, hot melt butyl rope with excellent adhesion to glass, aluminum spacers, or to Super Spacer. Low moisture rate and low shrinkage. It cools within 5 to 10 minutes after application to form a strong, resilient seal for insulating glass units. Rope is attached to a specially designed holder which feeds sealant into Somaca gun 230-5240.



SOLD PER BULK CARTON OF 8 REELS

STOCK NO.	Color	Weight	UNIT PKG.
345-5417	Black	36 lbs.	ONE CARTON

Somaca Extruder Gun

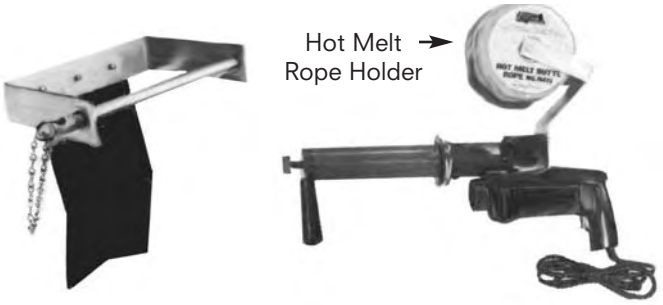


Hot Melt Sealant Gun

A portable, hand held heat extruder, providing variable hot sealant extrusion rates with accurate solid-state temperature and trigger speed control. Warm-up time is three minutes. For I.G. applicators butyl rope sealant use.

STOCK NO.	Description	UNIT PKG.
230-5240	Gun w/1/4", 3/16", 1/2" Nozzles	ONE GUN

Hot Melt Rope Sealant Holder
Makes Handling Butyl Rope Easier



The Somaca Butyl Rope Holder makes it easier to dispense hot melt butyl sealant in rope form. It holds one roll of hot melt butyl sealant over the feed hole of the 230-5240 extruder gun. Holder easily attaches to existing holes, permiting the continual feed of butyl rope.

STOCK NO.	Description	UNIT PKG.
230-5245	Butyl Rope Holder	ONE HOLDER

Somaca Hot Melt Rope Extruder Gun
Replacement Nozzles

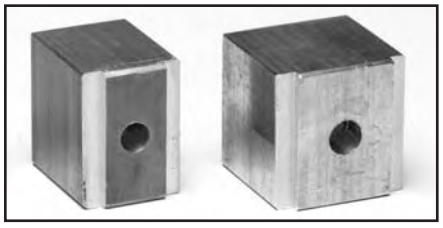


NOTE: Gun is furnished with 1/4", 3/16" and 1/2" nozzles.

STEEL NOZZLES

STOCK NO.	Size	UNIT PKG.
230-5271	3/16"	ONE NOZZLE
230-5272	1/4"	ONE NOZZLE
230-5274	3/8"	ONE NOZZLE
230-5276	1/2"	ONE NOZZLE
230-5278	1/4" x 5/8" Slot	ONE NOZZLE
230-5285	1/4" Close Nipple (Adapter for Block Nozzles)	ONE NOZZLE

Brass Nozzles for Extruder Guns



BRASS NOZZLES

STOCK NO.	Description	UNIT PKG.
230-5251	3/16"	ONE NOZZLE
230-5252	1/4"	ONE NOZZLE
230-5253	5/16"	ONE NOZZLE
230-5254	3/8"	ONE NOZZLE
230-5255	7/16"	ONE NOZZLE
230-5256	1/2"	ONE NOZZLE
230-5258	5/8"	ONE NOZZLE
230-5259	11/16"	ONE NOZZLE
230-5260	3/4"	ONE NOZZLE
230-5285	1/4" Close Nipple	ONE NOZZLE

Spring Clamps
Vinyl Coated Jaws and Grips

A necessary clamp for fabricating single or dual insulating glass units. Plastic coated jaws protect glass surfaces.



STOCK NO.	Length	Jaw Opening	UNIT PKG.
213-1080	6-1/4"	2"	ONE CLAMP

Hot Melt Butyl Extruders

"Super Squirt" Mark II Hot Melt Extruder Up To 100 Units a Day



DIMENSIONS

Height . . . . . 22.0 Inches
Width . . . . . 13.5 Inches
Depth . . . . . 14 Inches
Machine Weight . . . . . 64 lbs.
Shipping Weight . . . . . Approx. 80 lbs.
Tank Holding Capacity . . . . 10 lbs.
Tank Dimensions . . 7-1/2" Dia. x 6-3/4" Deep
Electrical . . . . . 102V AC 60 HZ, 1265 Watts

Other Voltages Available

This all electric, noiseless, Mini-Hot Melt Unit is ideal for dispensing hot melt butyl. It can "shoot" 5/8" spacer assemblies at the same speed as 1/4" spacers. It has a 10 lb. sealant capacity with a positive displacement gear pump and auger feed. The 8' flexible hose is heated and a hand-operated gun applies sealants accurately and easily. Temperature control mechanism is fully adjustable for the tank, hose and gun. 45 to 60 minute warm-up time. 1/6 HP motor. Practically maintenance free; the unit has no rotary pump seals, few moving parts and no valves to clog. Nozzles ordered separately. Hot melt sealant No. 345-5410 fits into extruder without cutting. F.O.B. factory.

Melt Rate (pounds/hours) 8
Pumping Rate (pounds/hours) . . . . . 25 to 40
Tank Operating Temperature (Adjustable) . . . . . 100°- 450°F
Hose/Handgun Temperature (Adjustable) . . . . . 350°- 450°F Standard Range

UNIT PKG: One Mini-Hot Melt Unit complete with 8' hose, handgun, and a choice of one nozzle.

STOCK NO.	Description	UNIT PKG.
230-5219	Super Squirt Hot Melt Dispenser	ONE
230-5416	8' Replacement Hose	ONE
230-5221	Gun and Nozzle	ONE

Nozzles for Super Squirt and All Extruder Guns with 1/4" NPT - Nail Thread

UNIT PKG: ONE NOZZLE

STOCK NO.	Description	STOCK NO.	Description
230-5251	3/16" Nozzle	230-5256	1/2" Nozzle
230-5252	1/4" Nozzle	230-5257	9/16" Nozzle
230-5253	5/16" Nozzle	230-5258	5/8" Nozzle
230-5254	3/8" Nozzle	230-5259	11/16" Nozzle
230-5255	7/16" Nozzle	230-5260	3/4" Nozzle

AZTECH SALES ASSOCIATES, INC.

Hot Melt Extruders



ATX-MINI
50 to 100 Units a Day

The Aztech ATX-MINI has an operating range of 200° to 400°F, and a two gallon hot melt capacity. Somaca hot melt in slab form (#345-5410) is recommended for use with this extruder because it is easy to load in the 20 pound hopper.

Maximum Gunning Rate - One Pound Per Minute

STOCK NO.	Hose Length	UNIT PKG.
230-5265	8'	ONE



ATX II
Up to 400 Units a Day

Operates at the same temperature as the MINI but holds 35 lbs. of hot melt. Either Somaca hot melt (#345-5415), or Fuller hot melt (#345-5411) can be used. Larger hot melt cakes yield a lower cost per pound compared to cakes used in smaller extruders. A longer 12' hose is standard for the larger capacity extruders.

Maximum Gunning Rate - Two and One-Half Pounds Per Minute

STOCK NO.	Hose Length	UNIT PKG.
230-5222	12'	ONE

Hot Melt Butyl Extruders



DISCONTINUED

Somaca Extruder

55 lb. Hopper - 11'6" Long Hose

Make Up to 300 - 400 Units Per Day!

STOCK NO. 230-8001 . . . A high production, hot melt extruder with a manual adjustment pump speed up to 2.86 lbs. per minute. Features a 55 lb. hopper and a 11'6" hose with a 2-7/16" circumference designed to lower external hose temperature. Butyl temperature can be electronically adjusted. Includes gun, gun rest and 10 nozzles.
Extruder is mounted on rubber casters for mobility. Has a special twist lock plug cord so it won't pull out of the wall. 220 V single phase (requires a special wall plug). Measures 26" x 20" x 28".

Hot Melt Technologies, Inc.

- **Microprocessor Temperature Controls (±1°F)**
- **Individual Zone LED Readout**
- **Manual Stand-By and Auto Off/On Stand-By Features**
- **Handguns - Lightweight, Ergonomic and Durable**
- **Low Maintenance Modular Design**
- **Factory Service Engineers in Regional Locations**
- **Large Capacity Hose - 33% More Capacity than Other Hoses**

These high quality extruders operate at 150° - 450° F with 120V AC 60HZ. The hardened steel gear pump and high-output fractional horse power motor promise unequaled reliability. Extruders are sold without nozzles, hoses or gun options.

Model Name	Tank Capacity	Extruder Height	Width	Depth	Shipping Wt.	Melt Rate (lb/hr.)	Pump Rate (lb/hr.)
Benchmark	15 lbs.	23"	11"	25"	120 lbs.	4 - 8	80 - 90
ProFlex	50 lbs.	29"	13"	28"	135 lbs.	10 - 25	40 - 90



Benchmark



ProFlex System

Benchmark . . .

- **15 lb. Tank - Pretested with Hot Melt**
- **Comparable to 100 Units per Day Extruders**

ProFlex System . . .

- **50 lb. Tank - Pretested with Hot Melt**
- **Dual Hose Option**
- **Comparable to 200 Units per Day Extruders**

EXTRUDERS

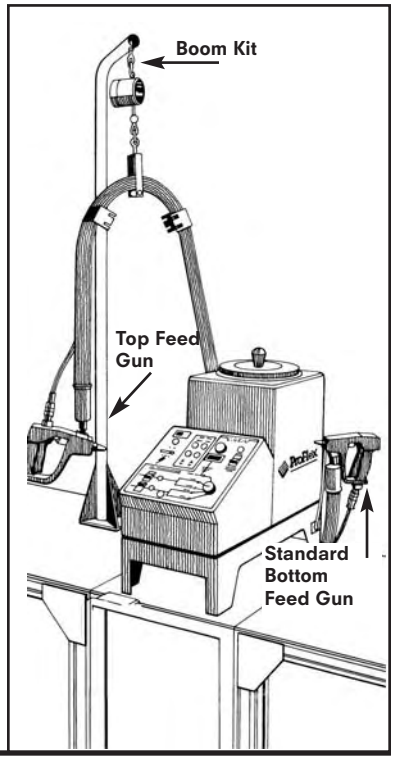
Without Options Below

STOCK NO.	Description	UNIT PKG.
230-8002	Benchmark Extruder	ONE
230-8003	ProFlex Extruder	ONE

OPTIONS

STOCK NO.	Description	UNIT PKG.
230-8004	8' Hose	ONE
230-8005	12' Hose	ONE
230-8006	16' Hose	ONE
230-8007	Standard Gun	ONE
230-8008	Top Feed Gun	ONE
230-8009	Nozzle (Sealant/Adapter)	ONE
230-8010	Boom Kit	ONE
230-8011	Fitting (Second Hose/ProFlex)	ONE

Reminder - Order Nozzles - See Page 585



Insulating Glass Sealants

SomacaTherm™ Silicones



SomacaTherm is a premium neutral cure silicone expressly manufactured for use as a bedding compound, the secondary seal in dual seal insulating windows, or for the installation of insulating glass windows. This formula is fully compatible with all vinyl window assemblies and components. Typical tensile strength is 225 psi with a movement capability of ± 50%.

SomacaTherm II is an acetoxy silicone used as a secondary seal in the manufacture of dual seal insulating windows. The primary seal is Polyisobutylene that is applied to the aluminum spacer. The typical tensile strength of Somaca-Therm II is 350 psi with a movement capability of ± 25%, offering structural strength for dual seal insulating units.

Both formulas are approved by the American Architectural Manufacturer's Association (AAMA).

SOLD PER CARTRIDGE
12 CARTRIDGES PER CARTON

STOCK NO.	Product	Formula	UNIT PKG.
335-3880	SomacaTherm	Neutral	ONE CARTRIDGE
335-3881	SomacaTherm II	Acetoxy	ONE CARTRIDGE

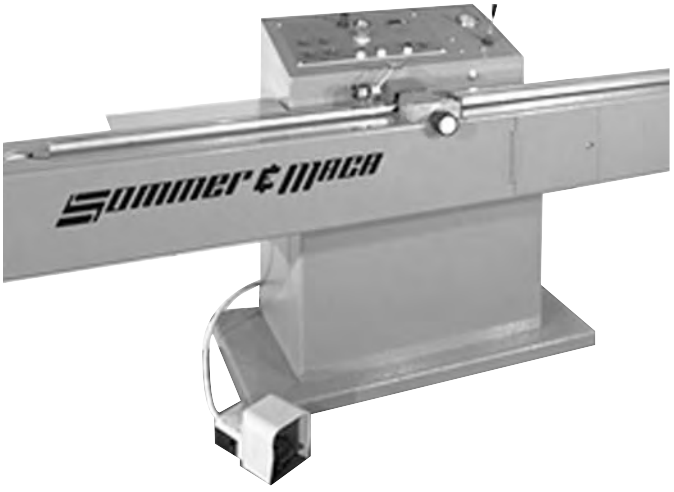
PIB Sealant



Our PIB sealant is ideal for use in Somaca's Polyisobutylene (PIB) Extruder pictured below. A one-part, 100% solid contents, non-hardening and non-drying polyisobutylene sealant that resists water, ozone, UV light and aging. These 4-1/2 lb. slugs are approximately 4-1/2" dia. x 7" long.

UNIT PKG: ONE CASE of 9 SLUGS

STOCK NO.	UNIT PKG.
200-4536	ONE CASE



PIB Sealant Tape



Apply to Dual Seal Aluminum Spacers Serrated Liner

The primary seal used for dual seal units is polyisobutylene. It is a one-part, non-hardening material with a low moisture vapor transmission rate.

Polyisobutylene Primary Seal comes in convenient tape form with five ribbons per roll (3/32" width). Color: Black. Gray color is available by special order - two case minimum.

UNIT PKG: ONE CASE of 10 REELS (17 lbs.)

STOCK NO.	Description	UNIT PKG.
345-5413	Black - 210'	ONE CASE
345-5414	Special Order Gray - 2 Case Minimum	

Polyisobutylene (PIB) Extruder

Automatic Butyl Extruder with Large 5.5 lbs. Butyl Cartridge Capacity

Somaca's PIB Extruder automatically applies primary sealant to metal spacers at 59 feet per minute. A manual activation override allows the operator to apply sealant to round and oval profiles. Easy to use control panel facilitates pump pressure adjustment, start and stop time of the extrusion, profile thickness and extrusion temperature.

SPECIFICATIONS

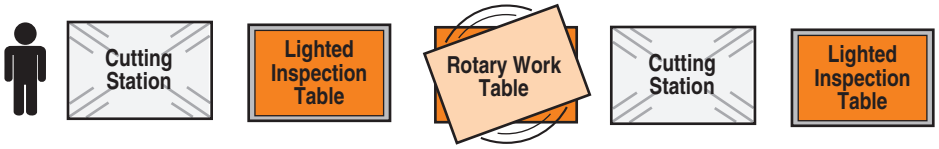
Butyl Cartridge Diameter: 5.43"
Working Pressure: 105 psi
Butyl Film Diameter: 078"
Voltage: 230V/60 Cycle
Overall Dimensions: 98" L x 21" W x 48" H. **Weight:** 770 lbs.

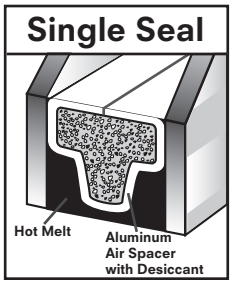
Kg - 2.5 . . . Factory #4700150-0

Hot Melt Start-Up Kits

Hot Melt/Standard Metal Spacer Single Seal

40 UNITS Per DAY — 0 — 50 — # Of Workers





SOMACA

I.G. Hot Melt "Start-Up" Kit
For Aluminum Spacer Users



Featuring . . .

- **Super Squirt Extruder**
- **Hot Melt Butyl Cakes**
- **Molecular Sieve**

STOCK NO.	Description	UNIT PKG.
345-5400	Complete Start-Up Kit	ONE KIT

"Start-Up" Kit Components

STOCK NO.	Description	UNIT PKG.
230-5219	Super Squirt Butyl Extruder	ONE
345-5410	Hot Melt Super Squirt Cakes	ONE CASE
345-5531	Molecular Sieve (25 lbs.)	ONE CAN
230-5300	Hot Trim Knife	ONE
230-5252	1/4" Brass Nozzle	ONE
230-5254	3/8" Brass Nozzle	ONE
230-5256	1/2" Brass Nozzle	ONE
345-5491	1/4" Low Profile Spacers	100 LENGTHS
345-5493	3/8" Low Profile Spacers	50 LENGTHS
345-5495	1/2" Low Profile Spacers	100 LENGTHS
345-5661	1/4" Corners	400
345-5663	3/8" Corners	200
345-5665	1/2" Corners	400
213-1300	Wiping Towels (500)	ONE CASE
337-1086	Glass Cleaner	ONE GALLON
337-1085	Quart Spray Bottle	ONE
240-4109	Lint-Free Gloves (12 Pair)	ONE DOZEN
213-1080	Clamps with Coated Jaws	SIX

NOTE: Hot Melt Materials Are Used With Single or Dual Seal Units.

SOMACA

I.G. Hot Melt "Start-Up" Kit
For Super Spacer™ Users



Featuring . . .

- **Super Squirt Extruder**
- **Hot Melt Butyl Cakes**

STOCK NO.	Description	UNIT PKG.
345-5408	Complete Start-Up Kit	ONE KIT

"Start-Up" Kit Components

STOCK NO.	Description	UNIT PKG.
230-5219	Super Squirt Butyl Extruder	ONE
345-5410	Hot Melt Super Squirt Cakes	ONE CASE
230-5300	Hot Trim Knife	ONE
230-5252	1/4" Brass Nozzle	ONE
230-5254	3/8" Brass Nozzle	ONE
230-5256	1/2" Brass Nozzle	ONE
213-1300	Wiping Towels (500)	ONE CASE
337-1086	Glass Cleaner	ONE GALLON
337-1085	Spray Bottle - Quart	ONE
240-4109	Lint-Free Gloves (12 Pair)	ONE DOZEN
345-5350	Super Spacer 1/4"	1 ROLL
345-5357	Super Spacer 3/8"	1 ROLL
345-5358	Super Spacer 1/2	1 ROLL

BUDGET I.G. Hot Melt "Start-Up" Kit

This limited Budget I.G. "Start-Up" Kit is an economical opportunity to start making your own insulating windows. The kit includes: Somaca Hot Melt Sealant Gun with three nozzles - 1/4", 3/16", and 1/2"; 8 reels or approximately 36 lbs. of hot melt rope; and a convenient reel-style rope holder.

STOCK NO.	Description	UNIT PKG.
345-5401	Budget Start-Up Kit	ONE KIT

Timed Gas Filling Stations

Machines With Multiple Workstations to Fill Insulating Glass Units with Argon (AR), Sulfur Hexaflouride (SF6), and Krypton (KR)



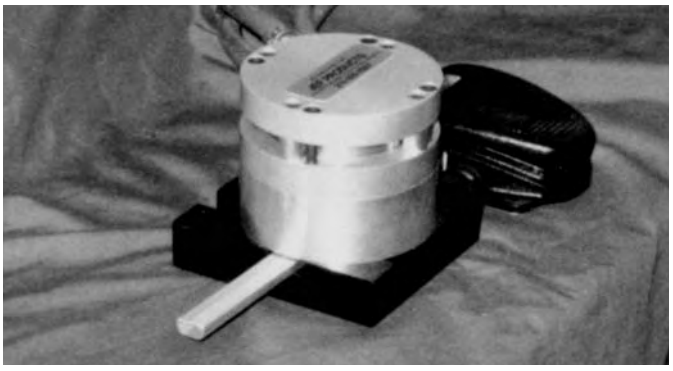
Conventional Filling Systems - GT2 and GT5

The GT2 gas filler has two independently controlled workstations; the GT5 has five. Each workstation is timer controlled. The range of gas output can be regulated from 1.2 to 2.2 gallons per minute (4.4 to 8.5 liters per minute). A timetable is included to calculate the fill requirement for any size insulating glass unit and determine timer setting. A heavy-duty bottle regulator with safety valve, gas filling lances and operating instructions are included.

High Speed Filling System - GHST2

The GHST2 gas filler has two independently controlled workstations. By using a venturi port vacuum generator to assist with gas filling, the GHST2 operates five to nine times faster than Conventional Filling Systems. The length of the filling phase is programmed according to the size (volume) of the insulating glass unit. The timed system controls a regulated high volume, low pressure gas fill along with a simultaneous air evacuation of the spacer cavity at identical flow rates. This balanced gas filling technique eliminates any pressure differential in the insulating glass unit. A timetable is included to calculate the fill requirement for any size insulating glass unit and determine the timer setting. A heavy-duty bottle regulator with safety valve, gas filling lances and operating instructions are included.

Air Powered Glass Fill Spacer Bar Punch

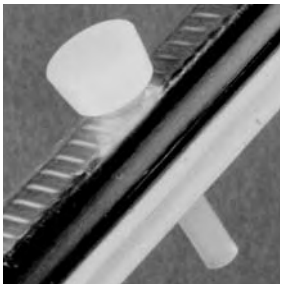


A compact, versatile spacer bar punch. Adjustable to handle 1/4" thru 7/8" spacers. Operates on 90 psi. Unit accommodates 3mm or 4mm probe (state when ordering).

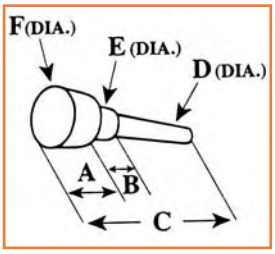
STOCK NO.	Description	UNIT PKG.
240-2195	Punch	ONE
240-2196	Probe - 3mm	ONE
240-2197	Probe - 4mm	ONE

Argon I.G. Plugs

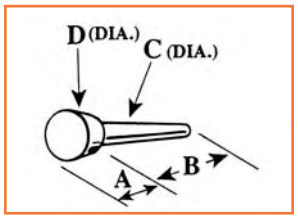
Temporary and Permanent Plugs



345-5306



345-5304/5



Three styles of Argon I.G. Plugs are available with your choice of temporary or permanent plugs. The 345-5304 is a temporary 5/32" marker and allows easy hole location for gas filling after the unit has been sealed. The 345-5306 is a collared version of the 345-5304 and fits larger diameter hole sizes up to .170.

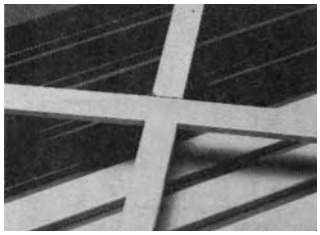
345-5305 is a permanent Argon Gas Fill Plug and facilitates the testing of the unit for Argon Gas. A test syringe can be inserted into the plug, and when the syringe is removed, the plug is self sealing.

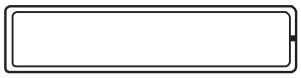
UNIT PKG: ONE BAG of 100

	Dimensions					
STOCK NO.	A	B	C	D	E	F
345-5304	.160	.810	.160	.325		
345-5305	.160	.810	.160	.325		
345-5306	.155	.130	.950	.120	.170	.330

Muntin Bars and Joiners

Aluminum Muntin Bars





Muntin Bar Profile

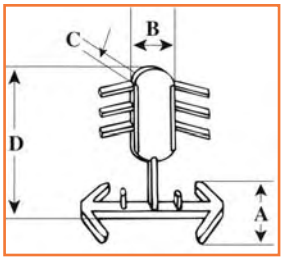
Aluminum muntin bars are used as window dividers, giving the window a Traditional or Colonial appearance. They are placed inside an insulating unit's air space and are secured by muntin bar keepers.

UNIT PKG: ONE 12'8" LENGTH

STOCK NO.	Size	Finish	UNIT PKG.
345-5801	3/16" x 5/8"	Bronze	ONE BAR
345-5802	3/16" x 5/8"	White	ONE BAR
345-5803	3/16" x 3/4"	Bronze	ONE BAR
345-5804	3/16" x 3/4"	White	ONE BAR

Finned Muntin Bar Keepers

for Super Spacer & Swiggle Applications



This keeper or muntin end connector is for air spaces between 3/8" and 3/4". Connector is self-adjusting and eliminates the need for multiple sized connectors because it compresses. Dimension B will fit both 5/8" and 3/4" muntin.

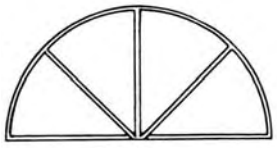
Airspace	Dimensions A	B	C	D
3/4" Compresses to 3/8"	.750	.765	.140	1.080

UNIT PKG: ONE BOX of 100

STOCK NO.	Description	Color	UNIT PKG.
345-5948	Keeper	Black	ONE BOX
345-5949	Keeper	Grey	ONE BOX

Sunburst Muntin Joiners



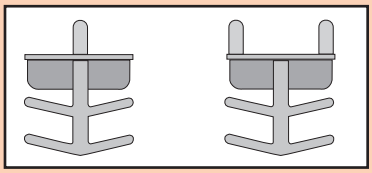


For Circle Top Windows

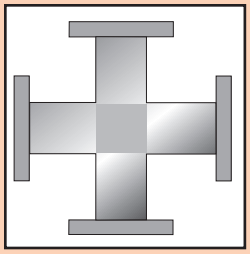
Sunburst Muntin Joiners are used for easy assembly of half circle and full circle windows. Made of white, flexible nylon to securely hold the muntin bar.

STOCK NO.	Size	Contents	UNIT PKG.
345-5940	3/16" x 5/8"	100	ONE BOX

Finned Muntin Bar Keepers



1-Prong 2-Prong



4-Way Internal Bar Clip

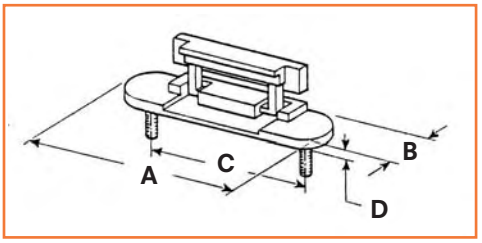
Muntin Bar Keepers snap into the ends of bars and attach to spacer, holding muntin assembly secure. White nylon.

UNIT PKG: ONE BOX of 100

STOCK NO.	Size	Style	UNIT PKG.
345-5901	3/16" x 5/8"	1-Prong	ONE BOX
345-5902	3/16" x 5/8"	2-Prong	ONE BOX
345-5911	3/16" x 3/4"	1-Prong	ONE BOX
345-5912	3/16" x 3/4"	2-Prong	ONE BOX
345-5934	Cross 5/8"	4-Way	ONE BOX
345-5935	Cross 3/4"	4-Way	ONE BOX

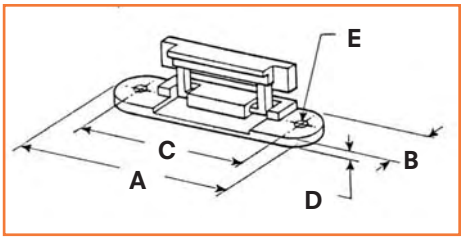
Weep Hole Covers

Weep hole covers are made of super tough nylon for vinyl or aluminum window sills. They will provide years of service allowing water drainage. The flap shuts after drainage which prevents air and debris infiltration.



345-5950 (Push-In)

345-5951 (Screw-On)

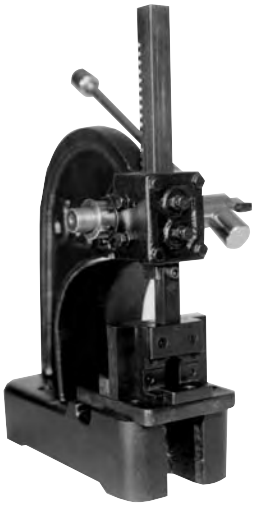


STOCK NO.	Dimensions A	B	C	D	E
345-5950	2.510	.510	1.89	.105	
345-5951	2.485	.510	1.89	.105	.150

UNIT PKG: ONE BOX of 100

STOCK NO.	Description	Color	UNIT PKG.
345-5950	Weep Hole Cover w/Legs	White	ONE BOX
345-5951	Weep Hole Cover w/Screw Tabs	White	ONE BOX

Manual Muntin Bar Notcher



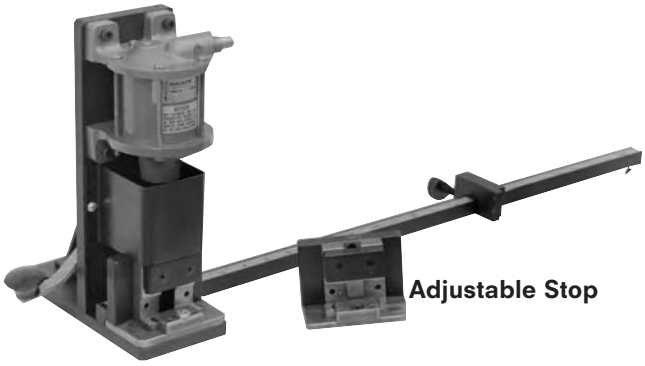
- **Easily Notches Muntins Used in I.G. Spacers**
- **Cuts An Accurate, Snug Fitting Notch**

Tool notches most muntin bars quickly and smoothly. Comes with factor bar, stop, and muntin bar spacing chart. It will handle muntins 80" long up to six openings. Requires sample of muntin for die set included with machine. F.O.B. South Bend, IN. Die set for one size muntin only.

STOCK NO.	Description	Weight	UNIT PKG.
240-2180	Muntin Bar Notcher	32 lbs.	ONE NOTCHER

Air Powered Muntin Bar Notcher

Cuts An Accurate Snug Fitting Notch

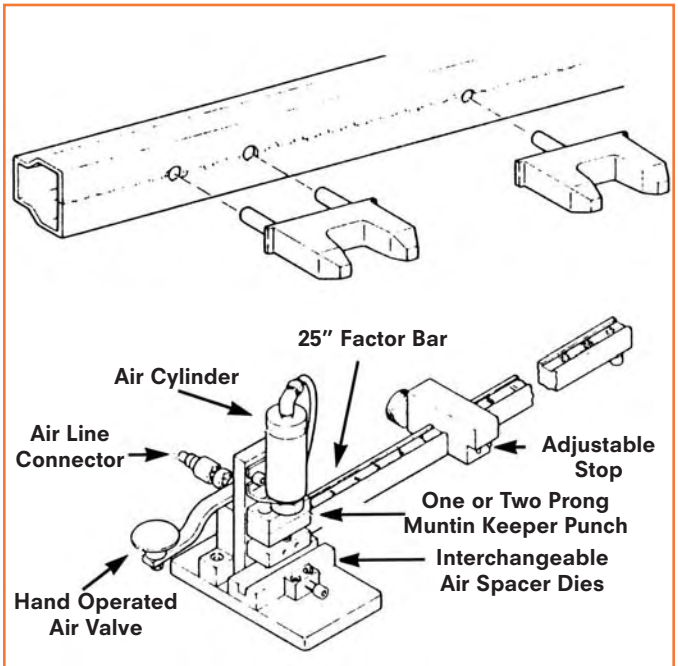


Interchangeable Dies Available in All Popular Sizes

Tool cuts an accurate burr-free notch. The guide bar has a graduated rule and a sliding stop for accurately spacing notches along the bar. All die-sections are hardened ground tool steel. Furnished with foot operating pedal; air hose and cutting chart; as well as one punch and die set. (50 to 250 psi) Requires sample of muntin for die set included with machine. F.O.B. South Bend, IN.

STOCK NO.	Description	Weight	UNIT PKG.
240-2190	Muntin Bar Notcher	22 lbs.	ONE NOTCHER
240-2191	Die Set		ONE SET

Air Powered Muntin Bar Keeper Punch





- **Punches Clean, Snug Fitting Keeper Holes**
- **Eliminates Spacer Pressure and High Point Pressure Breaks**

Designed to accommodate 3/16" to 7/8" air spacer with the ability to punch holes for single or two prong Muntin Bar Keepers. Comes with computer printout Muntin Bar Spacing Chart. When ordering, specify air spacer and muntin size. Operates on 50 to 250 psi.

STOCK NO.	Description	UNIT PKG.
240-2181	Air Keeper Punch	ONE
240-2185	One Prong Keeper	ONE
240-2186	5/8" x Two Prong Keeper	ONE
240-2187	All Other Two Prong Keepers	ONE
240-2183	Replacement Punch	ONE
240-2184	Punch Factor Bar	ONE

Laser and Manual Glass Thickness Gauges

Somaca Laser Glass Gauge



Accurately Measure All Types of Glazed Units, Even in Direct Sunlight

Specifications:
Light Source: laser diode 635-670 nanometers
Power Supply: 3 standard silver oxide batteries
Dimensions: 2" x 6-1/8" x 3/8"
Applications:
Float Glass: measure any thickness
Laminated Glass: measure different laminate layer(s)
Double Glazed Units: will show glass and air gap thicknesses in all multi-glazed units
Bullet Proof & Pyro: indicates "K" glass and which surface is coated, will measure thickness of multi-layered units

Place unit against glass, press button, and read the measurement off the calibrated scale at a 45° angle. Receive an instant reading of all site work glazing - storefronts, office buildings, without the need to remove a single pane of glass. Includes batteries, instruction sheet and leather pouch.

STOCK NO.	Description	UNIT PKG.
200-1999	Laser Glass Gauge	ONE TOOL

Insulating Glass Calipers

Measures I.G. Unit Thickness

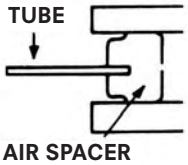


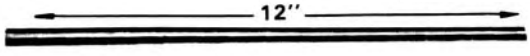
Measures insulating glass units up to 4", without having to take the unit out of the frame. Reduces the possibility of incorrect measurements. 4" scale on sides.

STOCK NO.	Description	UNIT PKG.
230-4345	Glass Caliper	ONE TOOL

Breather Tubes for I.G. Units

Breather tubes minimize the deflection or bowing of I.G. units by equalizing the barometric pressure within the glass lines. Mandatory for units shipped into areas over 5000' elevation. Stainless Steel. ID .020/OD .032.





STOCK NO.	Contents	UNIT PKG.
345-6590	50	ONE BUNDLE

GLASS-CHEK+

Glass and Air Space Meter with Single Lite Low-E Sensor



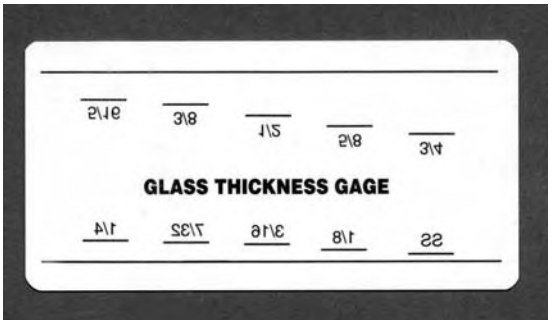
Precisely measure glass thickness and air space quickly from a single side with the Glass-Chek +. Measure glass deflection in sealed I.G. window assemblies. It also detects the presence of Low-E coating on the nearest lite of glass. Just select one of the six preformatted display options for your meter in the field including: fractions of an inch, hundreths of an inch, millimeters and overall I.G. thickness.

Specifications:
Light Source: laser diode 630-680 nanometers
Range: maximum 1.25" overall I.G. thickness
minimum 1.00" overall I.G. thickness
Minimum Air Space: 3/16"
Glass Thickness for Low-E Readings:
min/max 2.5/7mm
Power Supply: 9V alkaline battery
Dimensions: 3-1/2" x 5-1/2" x 1-1/4"

TOOL INCLUDES:
9V battery, instructions and nylon carrying case.

STOCK NO.	Description	UNIT PKG.
200-2001	Laser Glass Gauge	ONE TOOL

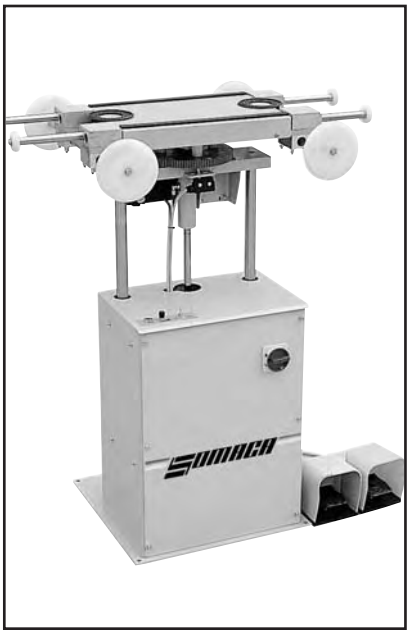
Flat Glass Thickness Gauge



This plastic gauge measures thickness of glass already glazed. Place the long edge of the gauge at a 45° angle to the glass surface, and the reflected line intersects with the correct thickness. Comes in a plastic sleeve.

STOCK NO.	Description	Size	UNIT PKG.
230-4340	Thickness Gauge	4" x 2"	ONE GAUGE

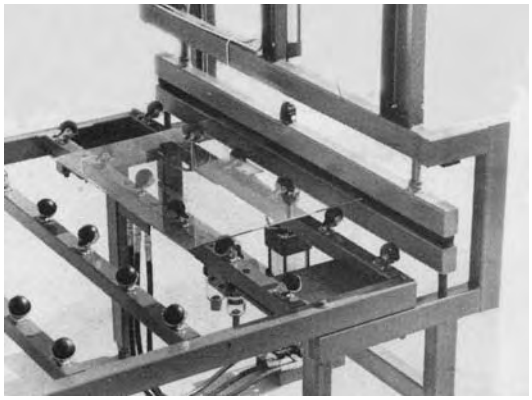
Rotary Sealing Table



Foot Activated Controls Rotate Top for Fast, Easy Sealing of All Glass Sides

RST-1 Rotary Sealing Table - An extremely strong, stainless steel table that is essential to uniformly seal insulating glass units. The aluminum work surface pneumatically adjusts in height from 37" to 45" with adjustable speed rotation from 0 to 9.4 rpm. Glass is securely held by two 5" diameter cups, and the table can be pitched to a 90° angle if necessary. Rotation and glass stops are always under control with foot pedal commands. Minimum working dimension is 13" x 24". Maximum dimension is 47" x 83".
RST-1 . . . Factory #4700170-0

Hot Melt Clamp Table

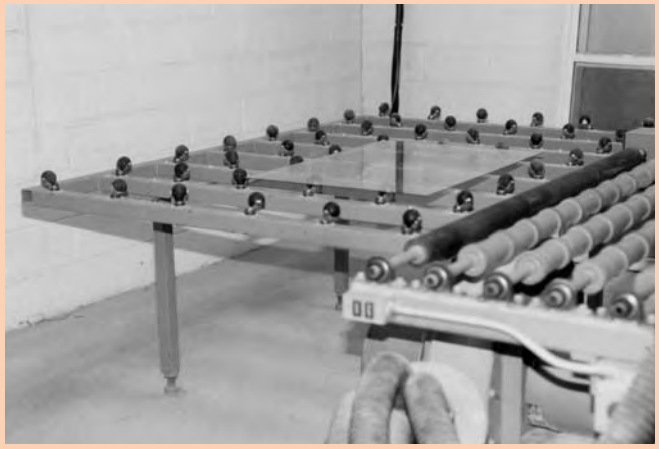


Durable hot melt clamp table is constructed of tubular steel with ball casters and an air activated clamping device. Clamping device is controlled by a foot switch - bottom clamp raises the glass slightly above the ball casters, and the top clamps firmly hold the units to be sealed. This action is repeated for each of the 4 sides to be sealed. Both top and bottom clamping bars are lined with a 1" x 1" strip of neoprene rubber to grip and protect the glass. F.O.B. Dallas, TX.

***Air Supply of 100 psi, 7 cfm is Required for Operation.**

STOCK NO.	Size	Weight	UNIT PKG.
240-2120	84" x 84"	750 lbs.	ONE TABLE

Ball Caster Glass Transfer Table



Ball Caster Glass Transfer Table
The ball caster table, Stock No. 240-2132, pictured is located at the exit conveyor of an 84" wide glass washing machine. Insulating glass assembly and sealing may require a series of ball caster transfer tables to complete the production process. Fabricators of edged and bevelled glass may use the same tables in their production lines.



The ball caster tables are made of heavy tubular steel construction. The table tops are 2" square tubular steel, with 2" diameter rubber ball casters 12" on center. Bases are constructed of 2" x 3" rectangular tubular steel and are adjustable 34" to 36" high. Legs are equipped with 1-1/4" threaded jack bolts for height adjustment.
F.O.B. Factory.

STOCK NO.	Size	Weight	UNIT PKG.
240-2130	84" x 60"	310 lbs.	ONE TABLE
240-2131	84" x 84"	380 lbs.	ONE TABLE
240-2132	84" x 120"	490 lbs.	ONE TABLE
240-2133	84" x 156"	590 lbs.	ONE TABLE

Detergents, Towels and Gloves

LOW-e Washing Machine Detergent



Specially Formulated Liquid for Glass

- Self-Adjusting pH adjusts to Water Conditions
- Delimer to help keep machine free of dirt build-up
- Biodegradeable for use in all drainage septic systems

One gallon size of super concentrated detergent treats more than 1000 gallons of water. Field tested to yield best "Low-e" results.
Listed on H.B. Fuller "Acceptable List." Not for mirrors.

STOCK NO.	Size	Form	UNIT PKG.
337-9046	One Gallon	Concentrate	ONE BOTTLE
337-9048	55 Gallons	Concentrate	ONE DRUM

Lavare Washing Machine Detergent



Specially Formulated Powder for Glass

Leaves glass clean without traces of water spots. Superior to other detergents, and it makes the use of tap water outmoded. Combines a controlled foaming action with quick rinsing and water softening benefits.
Listed on H.B. Fuller "Acceptable List."

STOCK NO.	Size	Form	UNIT PKG.
337-9040	40 lbs.	Powder	ONE DRUM
337-9041	100 lbs.	Powder	ONE DRUM

Glass-EEZ Glass Cleaning Towels

Lint-Free 4-Ply Towels 500 Towels with 2 Dispenser Boxes



STOCK NO.	Sheet Size	Contents	UNIT PKG.
213-1300	13-1/2" x 17-5/8"	500	ONE CARTON

Insulating Glass Gloves

Keep Glass Clean and Smudge-Free





Inexpensive, cotton-blended, throwaway gloves provide lint, smear and smudge-free protection for handling glass in the insulating shop, tempering facility or mirror plant.

STOCK NO.	Description	UNIT PKG.
240-4109	Cotton Blend	ONE DOZEN
240-4111	Bulk - 600	ONE BOX

HI-Sheen Pre-Mix Glass Cleaner



Unique, non-streaking Hi-Sheen formula cleans both glass and acrylics. Anti-static shine repels dust particles.

STOCK NO.	Description	UNIT PKG.
337-1086	Hi-Sheen One Gallon Refill	ONE JUG
337-1085	Sprayer w/cleaner	ONE QUART
337-1003	16 oz. Sprayer	ONE SPRAYER
337-1032	32 oz. Sprayer	ONE SPRAYER

Somaca Kleen Wipes Glass Cleaning Towels



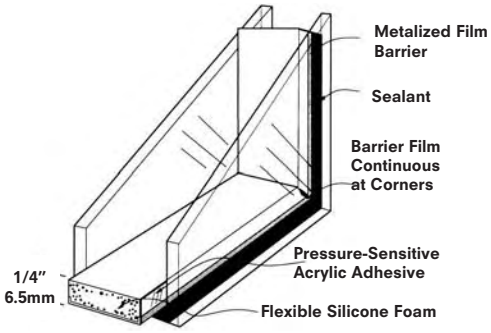
15 "Pop-Up" Boxes with 70 Towels per Case

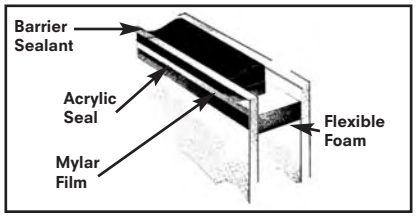
Somaca Kleen Wipes light duty disposable towels are perfect for any cleaning requirement. 3-Ply, lint-free, and amazingly soft. Wipes are sold by the case (1050 towels).

STOCK NO.	Sheet Size	Case Contents	UNIT PKG.
213-1314	15" x 16-3/4"	15 Boxes	ONE CASE

Super Spacer® Adhesives

Make Reverse Dual Seal Insulating Units Fast with Silicone Foam Spacers!





- **Emergency Service Option for Small and Medium Size Shops**
- **Ideal for Specially Shaped Units**
- **No Need for Aluminum Spacers, Desiccant or Corner Keys**
- **No Oven Press Needed**

Super Spacer's True Warm Edge technology features 100% polymer foam with a No-Metal Warm Edge spacing system. Super Spacer's acrylic-based adhesive and patented reverse dual-seal technology exceed all industry standards and help deliver optimal structural integrity.

To produce an insulating glass window with Super Spacer, cut open the foil package at the top, cut off the necessary length, and strip off the clear tape on one side. With the silver metalized barrier facing the outer edge of the unit, apply the adhesive exposed side to clean glass. When rounding corners, cut a V-notch in the foam. Then, remove the remaining clear tape and position the second lite of glass. Back fill the unit with Super Spacer Sealant (#336-8773) or hot melt butyl. During any delay in manufacturing, reseal the foil package to prevent the desiccant in the foam from degrading.

UNIT PKG: ONE 66' ROLL. Color: Gray

STOCK NO.	Size	UNIT PKG.
345-5341	1/4" x 3/16"	ONE ROLL
345-5350	1/4" x 1/4"	ONE ROLL
345-5354	1/4" x 5/16"	ONE ROLL
345-5357	1/4" x 3/8"	ONE ROLL
345-5358	1/4" x 1/2"	ONE ROLL
345-5342	1/4" x 9/16"	ONE ROLL
345-5359	1/4" x 5/8"	ONE ROLL
345-5360	1/4" x 3/4"	ONE ROLL

UNIT PKG: ONE 66' ROLL. Color: Black

STOCK NO.	Size	UNIT PKG.
200-0266	1/4" x 1/4"	ONE ROLL
200-0272	1/4" x 3/8"	ONE ROLL
200-0273	1/4" x 1/2"	ONE ROLL
200-0274	1/4" x 9/16"	ONE ROLL
200-0275	1/4" x 5/8"	ONE ROLL
200-0276	1/4" x 3/4"	ONE ROLL

Super Spacer Special Orders
Call Us With Your Requirements. Bulk Rolls and Other Colors Are Available.



Super Spacer® Urethane Sealant

Meets ASTM #E773 Requirement for Durability Testing

After the Super Spacer unit is assembled, apply the Somaca Super Spacer Urethane in the 3/16" set back area.

All urethanes do not react satisfactorily to the foam spacer. This sealant is an Edgetech tested and approved product.

UNIT PKG: ONE CARTRIDGE
24 Cartridges per Carton

STOCK NO.	Description	UNIT PKG.
336-8773	Super Spacer Urethane	ONE

SEALANT NOZZLES

Sealant nozzles are designed to force sealant and to achieve a finished I.G. unit. **NOTE: Soak Nozzles After Use.**

STOCK NO.	Size	UNIT PKG.
230-5291	3/16"	ONE
230-5292	1/4"	ONE
230-5293	5/16"	ONE
230-5294	3/8"	ONE
230-5295	7/16"	ONE
230-5296	1/2"	ONE
230-5297	5/8"	ONE
230-5299	11/16"	ONE
230-5298	3/4"	ONE

ACCESSORIES

STOCK NO.	Description	UNIT PKG.
211-6880	Battery Powered Gun	ONE GUN
211-6825	Black Bart Urethane Gun (18:1)	ONE GUN
240-4161	20 Respirators - 3M	ONE BOX
240-4125	100 Nitrile Gloves (L - XL)	ONE BOX

Insulating Glass Supplies

Corner Notcher for Super Spacer®



Simplifies Corner Notching

Makes manual corner notching and application of Super Spacer material fast and more uniform.



Ideally used in combination with the suction-cup rotary work table on this page. Adjusts to fit all Super Spacer sizes from 1/4" to 13/16".

STOCK NO.	Description	UNIT PKG.
345-5325	Corner Notcher	ONE

Grooving Fixture for Super Spacer®

Used to Create Leaded Glass Insert Panels for:

- **Entrance Doors**
- **Door Side Lites**
- **Decorative Windows**





Super Spacer **Deep Cut** **Shallow Cut**

Allows you to create your own grooved spacer for leaded and stained glass insert panels. Completely manual, just lay the Super Spacer into the fixture, adjust the centering guide, lock the hand clamps, and pull the material across the blade.

STOCK NO.	Description	Size	UNIT PKG.
345-5320	Grooving Fixture	4" x 9"	ONE
201-1056	Replacement Blade		ONE

Super Spacer® Reel Stands



- **For Bulk Reels**

Reel stands provide quick changeover between spacer sizes, easy spacer pull-out, and offer convenient height and location. Each reel station features an air-tight enclosure for temporary desiccant protection.

STOCK NO.	Description	UNIT PKG.
345-5328	Double Reel Stand	ONE
345-5327	Single Reel Stand	ONE

Halide Shop Work Light

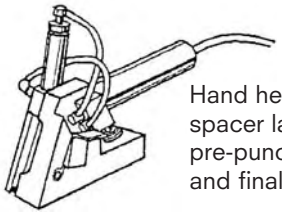


- **Budget Priced**
- **Energy Saving**

Provides a concentrated light source while saving money and energy. With more light output than six 40 watt fluorescent lights, it saves 65 watts per hour, or 520 watts per 8 hour shift. Light has a self-contained transformer-ignitor. 110V.

STOCK NO.	Description	Weight	UNIT PKG.
230-4355	Halide Light	15 lbs.	ONE
230-4351	175 Watt Replacement Bulb		ONE

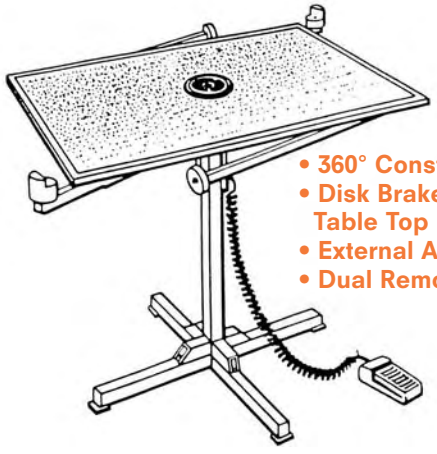
Super Spacer® SuperShuttle™



Hand held pneumatic tool provides spacer lay-down, corner notching, pre-punching of gas-filled holes and final spacer cutoff.

STOCK NO.	Description	UNIT PKG.
345-5326	Super Spacer Tool	ONE

I.G. Unit Rotary Work Table



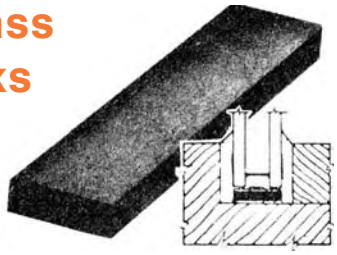
- **360° Constant Stop Control**
- **Disk Brake System Under Table Top**
- **External Air Regulated**
- **Dual Remote Pedal Controls**

Ideal for glass washing, tape sealant application, or spacer placement. Can also be used for glazing or "hack-outs" and patio doors. Work surface is 36" high. Carpeted top measures 24" x 36". The 6" suction cup in the center is air operated for a positive grip. Two swing-out and two pull-out arms expand the top surface to 5' x 7'. No electricity is needed, but 35 psi air supply is required. F.O.B. Elysian, MN.

STOCK NO.	Description	UNIT PKG.
240-2140	Rotary Work Table	ONE

Insulating Tools and Glass Dolly

Neoprene Glass Setting Blocks



For Insulating Glass Window Fabrication

Blocks are designed to center and hold insulating glass units in the frame. Firmly cushions and prevents glass breakage during building movement, high winds, or heat expansion. Window rabbets should be clean and dry before installing.

UNIT PKG: BOX of 100
STANDARD LENGTH - 2"

STOCK NO.	Width	Thickness	UNIT PKG.
345-6357	5/8"	1/8"	ONE BOX
345-6358	5/8"	1/4"	ONE BOX
345-6359	1"	1/8"	ONE BOX
345-6360	1"	1/4"	ONE BOX
345-6361	1-1/8"	1/4"	ONE BOX

EXTRA LONG LENGTH - 4"

STOCK NO.	Width	Thickness	UNIT PKG.
345-6570	3/4"	1/8"	ONE BOX
345-6571	3/4"	1/4"	ONE BOX
345-6572	1"	1/8"	ONE BOX
345-6573	1"	1/4"	ONE BOX

See Page 575 For Additional Sizes and Bulk Packaging

Spring Clamps

Vinyl-Coated Jaws and Grips

A necessary clamp for fabricating single or dual insulating glass units. Plastic coated jaws protect glass surfaces.



STOCK NO.	Length	Jaw Opening	UNIT PKG.
213-1080	6-1/4"	2"	ONE

Solo One Hand Rule Clamp



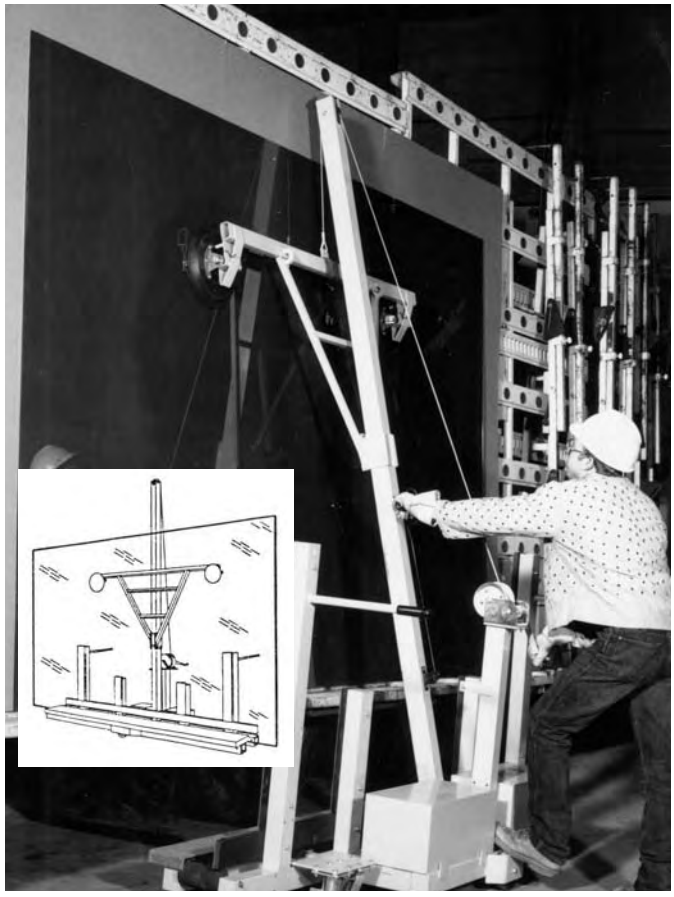
Holds Straight Edges Securely

This unique clamp is ideal for clamping objects to be measured, cut, sawed, drilled, glued or repaired. Its grooved nylon jaws clamp and firmly hold objects, in seconds. It is trigger activated, just like a caulking gun, and a thumb release button instantly releases the clamping pressure.

STOCK NO.	Maximum Jaw Opening	UNIT PKG.
213-1836	4"	ONE

SOMACA

Flat Glass Handling Dolly



- **Designed to Handle Flat Glass Up to 130" x 144"**
- **Automatic Mast Safety Lock in Vertical Position**
- **Special Cushioned Wheels for Smooth Ride**

Our glass handling dolly was designed specifically for lifting and transporting flat glass in sizes up to 130" x 144". Two suction cups hold the glass upright on the dolly, while the smooth gliding rubber rollers support the glass weight and ease loading from vertical or "A" frame glass storage racks.
The mast tilts forward so you can safely place the glass on a tilting cutting table top. The manually operated winch makes lifting the glass a one-person job. Toe-touch safety floor locks keep it in place during lifting operations.

Specifications: Dimensions 30" wide, 96" long, 120" mast height. Roller height 6" from floor to top of roller. Mast tilt 27" from vertical position. F.O.B. Laurel, MT.

STOCK NO.	Size	Weight	UNIT PKG.
240-2145	30" W x 96" L x 120" H	400 lbs.	ONE

Glass Dollies, Crate Handler, Pry Dolly

Premium Plate Glass Dollies



*BEST SELLER

60" and 72" Long - American Hardwood

Wooden dollies were developed expressly for the glass industry to handle and transport glass. The unique design allows the dolly to turn in its own length, an asset for moving glass in tight areas. Constructed of select hardwood, with a 1-1/2" groove traversing the entire length of the base. Two thick felt pads are adhered near each end, to cushion the load. All wheels move on oil-less roller bearings. The perfect method for moving plate and safety glass, mirrors, plastic, marble and formica sheets. Dolly has a 300 lb. capacity and rides 6" high from floor to bottom of 1-1/2" wide groove.

STOCK NO.	Overall Length	Width	Weight	UNIT PKG.
240-1261	60"	5"	30 lbs.	ONE
240-1263*	72"	5"	35 lbs.	ONE

REPLACEMENT PARTS

STOCK NO.	Description	UNIT PKG.
240-1275	Center Wheel 5" dia.	ONE
240-1276	End Wheel Assembly with 3-1/2" Caster	ONE
240-1278	Replacement Felt Pad (2 Pieces)	ONE

Economy Plate Glass Dolly

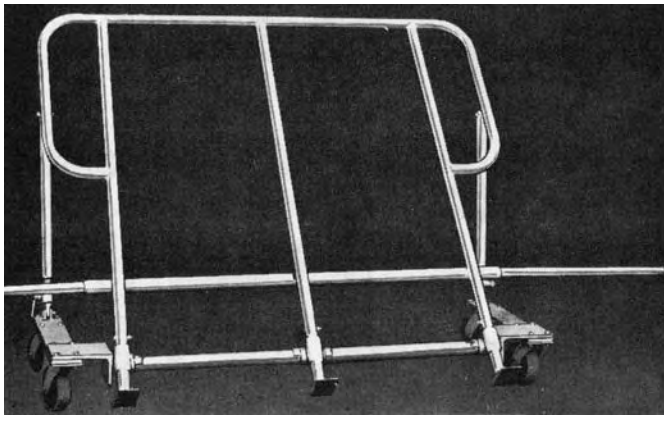


72" Long - American Hardwood

This hardwood glass dolly was designed to fulfill the requirements of glaziers to transport lites of glass. It is 72" long with a 1-1/2" center groove that traverses the entire length of base. Groove is lined with a thick woven cotton liner. The dolly is constructed of seasoned and select hardwood. The pivotal end wheels permit unit to turn within its own length and allows glass to be positioned in tight areas. Dolly has a 300 lb. capacity. Use replacement wheels 240-1275 and 240-1276 listed above.

STOCK NO.	Overall Length	Width	Weight	UNIT PKG.
240-1272	72"	5"	35 lbs.	ONE

Tilt-Frame Glass Crate Handler



4,000 lb. Capacity

Designed to handle long and bulky loads of glass, sheet metal, fiber board, etc., this tilting truck is easy loading, as the upper frame tilts forward on telescoping legs without lifting wheels from floor. Loads can be tilted to any desired slant and held there by adjusting screw slots. Extension arms extend 2' at each end to support long loads. The crate handler is 52" high and crate limit is 60" high.

WITH EXTENSION ARMS

STOCK NO.	Length	Width	Weight	UNIT PKG.
240-1162	6'	3.5'	180 lbs.	ONE

WITHOUT EXTENSION ARMS

STOCK NO.	Length	Width	Weight	UNIT PKG.
240-1163	6'	3.5'	170 lbs.	ONE

Badger®

Roller-Pry Dolly



This roller-pry dolly helps lift or position heavy crates, cases of glass, machinery, files, drums, etc. It rolls smoothly on 2 solid steel wheels. The straight, grained red oak handle is set into a 6" x 3" heavy steel lifting plate. Plate has a bevelled nose.

STOCK NO.	Lift	Length	Weight	UNIT PKG.
240-1074	5,000 lbs.	7'	35 lbs.	ONE

★ **IMPORTANT SAFETY PRECAUTIONS:**
Always inspect proposed traversing area to insure that it is level, free of sand, oils, excessive moisture, debris, wide cracks and holes. Under no circumstances overload a dolly, and do not try to move large lites without adequate manpower. Wear all safety and protection equipment possible when moving glass.

ROL-A-LIFT®

The Practical Method for Moving Bulky, Hard to Handle Loads







Back View Front View

Rol-A-Lift is ideal for handling large, awkward objects or heavy equipment that is difficult to maneuver or position. Yet, Rol-A-Lift is versatile enough to safely handle sensitive equipment like glass crates.
Stock No. 240-1400 features heavy duty construction with a weight capacity of 4000 lbs. per pair. Stock No. 240-1401 has a weight capacity of 6000 lbs. per pair.
Both models come with top clamps to secure narrow or heavy loads, and side belts to stabilize the load and prevent slippage during movement.

SPECIFICATIONS

STOCK NO. 240-1400 . . . Model M-4, capacity per pair is 4000 lbs. Maximum lift is 12". Wheels are made of phenol and measure 6" x 2". Overall height is 44" x overall width of 23". Caster centers are 18". Overall depth is 16-1/2". Forks are adjustable from 5" to 19-1/2". Fork length is 6". Fork thickness: 1-1/8". Weight is 325 lbs.
STOCK NO. 240-1401 . . . Model M-6, capacity per pair is 6000 lbs. Maximum lift is 6". Wheels are made of phenol and measure 6" x 2". Overall height is 42-1/2"x overall width of 23". Caster centers are 18". Overall depth is 16-3/4". Forks are adjustable from 6" to 19-1/2". Fork length is 6". Fork thickness: 1-1/8". Weight is 335 lbs.

Both models sold in pairs with top clamps and side belts only. Other sizes available on special order.

Glass and Stone Cart

Maneuverable in Tight Areas

- **24" Wide for Use in Narrow Areas and on the Job Site**
- **Neoprene Rubber on the Uprights, and the 6" Wide Bed Outperforms Carts with Carpet**
- **The Neoprene is Easy to Clean, Prevents Slippage and Will Last for Years**
- **Pneumatic Tires are Ideal for Use on Smooth or Rough Surfaces Indoors or Out**



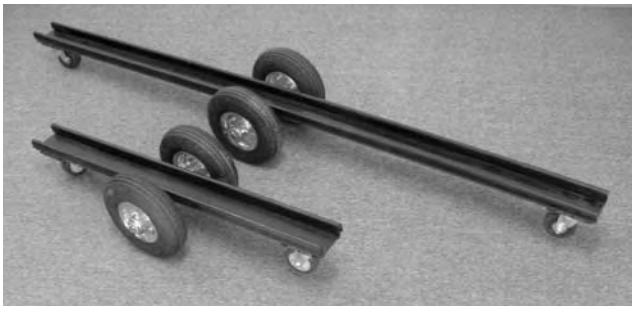
SPECIFICATIONS

STOCK NO. 240-1282 . . . Rugged 2000 lbs. capacity. Heavy duty 5" swivel casters with locking brakes. Tires and casters are positioned outside of the welded steel frame for stability. 36" high measured from top of the bed and an overall width of 24". Cart is 40" in length. Weight is 130 lbs.

Carts Sold Each

Glass Storage Racks and Carts

Heavy Duty Steel Frame Glass Dolly



Unit can be used indoors and out. Transport plate glass, heavy glass and insulating units over smooth or uneven surfaces with this rubber-lined, steel frame glass dolly. Pneumatic tires reduce breakage caused by vibration. The 3" wide x 1/4" thick rubber lined channel is designed for ease of loading. The dolly's 12" width (measured from outside of wheels) adds stability. Its 5-1/2" height from the floor to bottom of groove allows for easy removal of glass from wooden and glass pack cases. For use with Adjust-A-Post and Multi-purpose glass storage racks. Weight capacity: 600 lbs.

STOCK NO.	Overall Length	Weight	UNIT PKG.
240-1280	48"	25 lbs.	ONE DOLLY
240-1281	72"	30 lbs.	ONE DOLLY

Harp Racks

Mobile and Stationary Racks



- **52 Slots - 5/16" Widths are Standard on All 53" Wide Racks**
- **24 Slots - 5/16" Widths on 27" x 48" Rack**
- **Easy Slide Low Friction Plastic Floor Allows Glass to Slide with Ease**
- **5" Heavy Duty Roller Bearing Casters on Mobile Racks are Non-Marking**
- **2 Floor Locks per Cart (Mobile Racks)**
- **Replaceable Poly-Covered Rods Separate Glass Lites**
- **Groove Widths to 1-1/8" Available on Same Rack for Glass 1/4" to 1" (Special Order)**

UNIT PKG: ONE RACK
M = MOBILE S = STATIONARY

STOCK NO.		Description	Max. Glass Size
240-3473	M	53" W x 108" L x 84" H	72" x 120"
240-3472	S	53" W x 108" L x 84" H	72" x 120"
240-3475	M	53" W x 60" L x 57" H	48" x 84"
240-3474	S	53" W x 60" L x 57" H	48" x 84"
240-3476	M	27" W x 48" L x 57" H	48" x 72"

Insulating Glass Cart



- **Removable Harp Rods Allow for 3/8" to 1-1/8" Widths Between the Polyethylene Covered Rods**
- **Low Friction Plastic Floor Prevents Units from Sticking**
- **To Store Ovals and Circles, Place Plywood on Top of Cross Bars in Base**
- **Cart has 4 Heavy Duty Casters and Floor Lock**
- **4,200 lb. Capacity**

STOCK NO.	Dimensions	UNIT PKG.
240-3478	36" Deep x 60" Wide x 48" High	ONE CART

Light Duty A-Frame Cart



- **Double Sided 1,000 lb. Capacity**
- **Easy to Assemble Frame Ships Complete with Hardware**
- **5" Non-Marking Casters**
- **Customer Furnishes 3/4" Plywood**

STOCK NO.	Dimensions	UNIT PKG.
240-3477	30" Wide x 48" Long x 48" High	ONE CART

A-Frame Carts

Single and Double Sided



- **72" Long Carts Have 4,800 lb. Capacity**
- **84" Long Carts Have 7,200 lb. Capacity**
- **8" Dia. Easy Roller Bearing Casters are Non-Marking**
- **Heavy Duty Steel with Wood Ledge Boards and Horizontal Strips**
- **Height is Measured from Ledge Boards to Top of Cart**
- **Shipped KD - Saves on Freight**

DS = DOUBLE SIDED SS = SINGLE SIDED

STOCK NO.		Description	Ledge Size	UNIT PKG.
240-3484	DS	72" L x 48" H	11"	ONE CART
240-3483	DS	72" L x 72" H	11"	ONE CART
240-3482	DS	84" L x 48" H	11"	ONE CART
240-3480	DS	84" L x 72" H	11"	ONE CART
240-3479	SS	84" L x 48" H	16"	ONE CART
240-3481	SS	84" L x 72" H	16"	ONE CART

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crlaurence.com
usalum.com
columbiamfg.com
(800) 421-6144

Glass Storage Racks



Multipurpose Rack

- **Stores Glass Cases, Wood or Glass Packs, Shower Doors, Loose Lite, Insulating and Tempered Glass**
- **Fixed Post Rack with 60" Long Rails, 2" Square Holes Spaced 3" Apart for Full Adjustability, Rails Butt Together for Desired Length**
- **Center Rail Must be Used for Loose Lite Removal**

STOCK NO.	Description	Weight	UNIT PKG.
200-5423	Outside Rail	42 lbs.	ONE RAIL
200-5424	Outside Rail w/Easy Slide	44 lbs.	ONE RAIL
200-5545	60" Center Rail (Glass Pack Cases) w/Easy Slide	30 lbs.	ONE RAIL
200-5425	60" Post	13 lbs.	ONE POST
200-5426	60" Post w/Easy Slide	14 lbs.	ONE POST
200-5427	80" Post	19 lbs.	ONE POST
200-5428	80" Post w/Easy Slide	20 lbs.	ONE POST
200-5429	102" Post	26 lbs.	ONE POST
200-5430	102" Post w/Easy Slide	28 lbs.	ONE POST

SUGGESTED PACKAGES - For Wood Cases

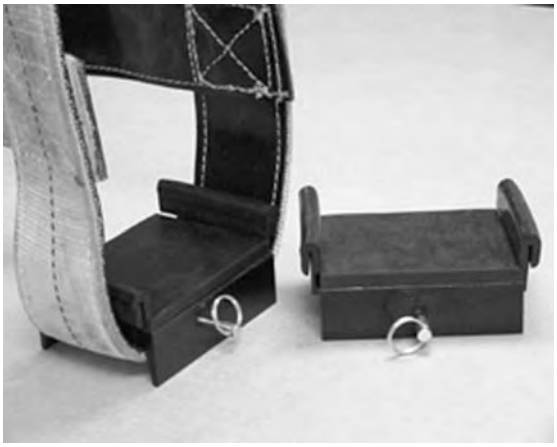
Description	STOCK NO.	Kit Components
4 Case Package	200-5431	(2) 200-5423, (6) 200-5425, (4) 200-5427
8 Case Package	200-5432	(4) 200-5423, (10) 200-5425, (8) 200-5427
18 Case Package	200-5433	(8) 200-5423, (12) 200-5425, (18) 200-5427, (8) 200-5429

GLASS PACK (STOCE) STORAGE SYSTEM WITH CENTER RAIL - With Easy Slide on Rails and Posts

Description	STOCK NO.	Kit Components
4 Case Package	200-5434	(2) 200-5424, (1) 200-5545, (6) 200-5426, (4) 200-5428
8 Case Package	200-5435	(4) 200-5424, (2) 200-5545, (10) 200-5426, (8) 200-5428
18 Case Package	200-5436	(8) 200-5424, (4) 200-5545, (12) 200-5426, (18) 200-5428, (8) 200-5430

VERTICAL STORAGE FOR SHOWER DOORS PACKED IN CARTONS

Description	STOCK NO.	Kit Components
36 Doors	200-5437	(4) 200-5423, (10) 200-5427



Glass Slings and Shoes

GLASS SLING FEATURES:

- **Workloads are Rated 9,600 lbs. per Sling in a Vertical Lift**
- **Inside of Slings and Horizontal Straps are Covered with Reinforced PVC Coated Material to Help Prevent Cutting**
- **3" Wide Polyester Webbing Minimizes Elongation to 3% or Less**
- **Velcro Straps Prevent Slings from Shifting on Beam When not Under Load**

GLASS SHOE FEATURES:

- **Shoes are Lined with Neoprene Rubber - End Ledges Prevent Sling from Making Contact with Raw Glass**
- **Shoes are Held in Place with a Quick Release Pin for Easy Mounting and Removal - Pin Keeps Shoe from Falling Off Sling**
- **Special Sizes Available**

3" WIDE GLASS SLINGS

STOCK NO.	Length	Size Capacity	UNIT PKG.
240-3487	78"	36" to 54" High	ONE SET
240-3488	108"	60" to 84" High	ONE SET
240-3489	124"	72" to 100" High	ONE SET
240-3490	160"	130" to 204" High	ONE SET

GLASS SHOES

STOCK NO.	Size	UNIT PKG.
240-3459	4-3/4"	ONE SET
240-3460	6-3/4"	ONE SET
240-3461	8-1/2"	ONE SET
240-3462	10-1/4"	ONE SET

Glass Case Slings and Spreader Bar

Wire Rope Glass Case Slings

Rope Bites into Frame of Wooden Glass Cases





A labor saving method to lift glass cases utilizes a wire rope sling with an overhead crane or lift truck. Attach sling below the second rail from top. The wire rope is strong and flexible enough to cut into the wood frame extensions.

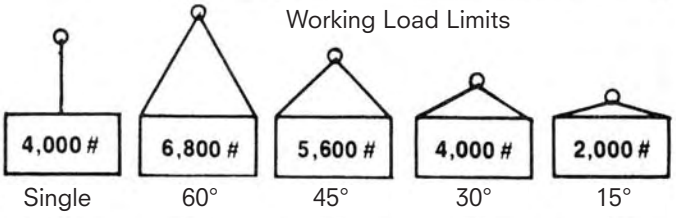
STOCK NO.	Glass Case Lgth.	Loop Lgth.	Wt.	UNIT PKG.
240-1735	60″ - 90″	5′	27 lbs.	ONE
240-1736	90″ - 120″	6′	29 lbs.	ONE
240-1737	120″ - 150″	7′6″	32 lbs.	ONE

Wire Rope Glass Case Slings

Handles Cases and Crates up to 12 Feet Long



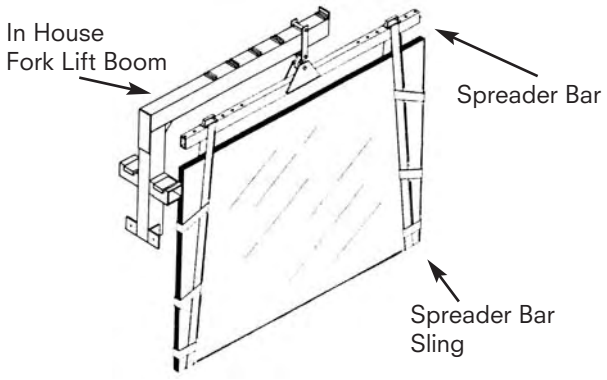




An adjustable braided wire rope and chain combination. The wire rope is lightweight and flexible, but strong. It will cut into the corners of the wood frame for a positive grip on crates. The chain is adjustable for large crates or small boxes by a slit lock head. Unit has a patented chain lock.

STOCK NO.	Description	Weight	UNIT PKG.
240-1709	Adjustable Sling	30 lbs.	ONE

Spreader Bar System



Safely lifts loose packs of glass without damaging glass sheet. Steel top bar holds high strength polyester slings at the proper width to securely hold glass. Slings have plastic edge brackets at pressure points. Handles a variety of glass pack sizes. System consists of spreader bar and sling set.

STOCK NO.	Lift	Length	UNIT PKG.
240-1750	5,000 lbs.	126″	ONE
240-1751	11,000 lbs.	144″	ONE

SPREADER BAR SLINGS

STOCK NO.	Lift Capacity	UNIT PKG.
240-1760	5,000 lbs.	ONE
240-1761	11,000 lbs.	ONE

"Sure Grip" Glass Tongs

With 4" Wide Coated Jaws



These glass tongs have been a fixture in the glass shop for over fifty years. It is absolutely necessary to have the tongs handy when removing glass lites from slot racks or open cases. They are made of drop forged steel, with 4" wide vulcanized jaws. The long handle and coated jaws allow the user to attain a solid grip on the glass surface. The lower handle is hooked to prevent possible hand slippage when glass is being withdrawn.

STOCK NO.	Handle	Jaw Opening	Weight	UNIT PKG.
240-4504	18″	4″	3-1/2 lbs.	ONE

Super Grip Vacuum Cups



"Super Grip" Vacuum Cup Holders

For Use on Glass, Mirrors, Plastic, Marble, Sheet Metal and Other Smooth, Non-Porous Surfaces

Somaca's world renowned "Super Grip" Vacuum Cup Holders enable the user to obtain a firm and secure grip, when moving or installing flat glass, mirrors, plastic sheets, marble and tile sections, metal plates and many other **smooth, non-porous** materials. They are engineered primarily for flat glass, but are also widely used in the curtainwall, metal fabrication, computer and electronic fields. Vacuum cups are available in 4" cup diameter regular duty and 5" cup diameter heavy duty styles to serve a wide range of applications.

4" Diameter Cup - Regular Duty





• Cast Aluminum Frames with Hammer-tone Finish

Somaca's regular duty vacuum cups are made of cast aluminum with a baked on gray hammer-tone finish. The 4" diameter gripping pads are made of pure natural rubber. Triggers are made of rust-proof hardened spring steel. Use only on clean, dry, non-porous surfaces.

IMPORTANT - Always wipe gripping pad surface with clean soft cloth after each use or when storing. Apply a light coat of glycerine to prevent pad from drying out or cracking. Insure that triggers are in unlocked position when not in use. Replace any pad that is cut, worn or cracked.

STOCK NO.	Type	Cup Size	Weight	UNIT PKG.
240-3706	Single Cup	4" dia.	1-1/2 lbs.	ONE
240-3707	Double Cup	4" dia.	2-1/2 lbs.	ONE

5" Diameter Cup - Heavy Duty





• Cast Aluminum Frames • Solid Brass Triggers

Somaca's heavy duty lifters are made of cast aluminum with a baked on gray hammer-tone finish. The 5" diameter gripping pads are made of pure natural rubber. Triggers are solid brass with a broad 1-1/4" diameter half-moon thumb lever to insure ease of attaining maximum lifting pressure.

IMPORTANT - Use only on clean, dry, non-porous surfaces. Place cup firmly on glass, away from possible corner overlap. Push trigger down firmly. Do not relieve hand pressure until trigger is completely down. Cups must be centered near top of the lite, or centered horizontally. Neither the lead or trailing handlers guiding a lite should walk directly with the edge but should always stay on the side of the cups. When not in use, keep lever in released position and oil frequently. Keep rubber discs clean, wiping periodically with glycerine, Stock No. 120-1385, to clean and prolong life of the rubber. Wipe off all surplus glycerine to prevent slippage before reusing. Immediately replace all cut or worn pads.

STOCK NO.	Type	Cup Size	Weight	UNIT PKG.
240-3907	Double Cup	5" dia.	3-1/2 lbs.	ONE
240-3911	Triple Cup	5" dia.	5 lbs.	ONE

Super Grip Parts and Bell-Style Cup

Replacement Parts for "Super Grip" Vacuum Cups



Components for Somaca's Super Grip vacuum cups are easily replaceable. Parts for 4" dia. and 5" dia. cups are listed below.

Parts for 4" Super Grip Single and Double Vacuum Cups



Trigger Plate
240-3856

Spring
240-3857

Rubber Pad with Stem
240-3606 - 4" Single
240-3607 - 4" Double



Steel Trigger & Pin
240-3854

Parts for 5" Super Grip Double and Triple Vacuum Cups





Trigger Plate
240-3506



Rubber Pad with Stem
240-3553



Brass Trigger & Pin
240-3551

SOMACA 7-1/2" Flat "Bell-Style" Vacuum Cup

- **Cast Aluminum Frame**
- **Solid Brass Trigger**
- **Resilient Rubber Grip Pad**



Somaca designed this bell cup to be simple to operate. Place rubber surface on glass, marble, metal or any other smooth-surfaced material and push down vacuum lever for a positive, secure grip. Rubber suction pad extends beyond the cup perimeter for bumper-like protection and is 5/16" thick. Use cup only on clean, dry surfaces. Do not relieve pressure until trigger is completely down. Always keep pad clean. When not in use, push lever to the released position and lightly oil trigger assembly. Immediately replace cut, torn or worn pad.

STOCK NO.	Cup Diameter	Weight	UNIT PKG.
240-3750	7-1/2"	3-1/4 lbs.	ONE

Replacement Parts for Bell-Style Vacuum Cups



Rubber Pad with Stem
240-3541 - 6-1/2" Single
240-3542 - 7-1/2" Single

Brass Trigger & Pin
240-3513





Trigger Plate
240-3506



Handle
240-3512

SOMACA Glycerine

Glycerine cleans, preserves, and extends the life of vacuum cup rubber. Somaca's glycerine is 99.5% pure. Use to soften, condition and protect rubber from drying and cracking to retain its good gripping power. Clean and "glycerize" pads after each use. Wipe glycerine from pad before reuse.



STOCK NO.	Contents	UNIT PKG.
120-1385	One Pint	ONE BOTTLE

Powr-Grip Vacuum Cups

Wood's Powr-Grip Co.

Spring Powered, Pump Actuated Vacuum Cups



When glaziers need the ultimate in safety and strength, they rely on Powr-Grips. A quick hand pumping action creates 20 sq. in. of vacuum that is balanced against atmospheric pressure. If there is a vacuum loss, the bright red safety band in the handle automatically appears. If this occurs, you simply repump with your thumb without changing carrying position. To release vacuum, press trigger on the opposite side of handle. Powr-Grips are the most widely used cups in the world.

For speedy Powr-Grip vacuum cup repair service, send cup directly to: Wood's Powr-Grip Co., 908 W. Main St., Laurel, MT 59044, or give cup to your local Somaca salesperson.



8" Diameter Flat Vacuum Cup

• Best Selling Basic Cup

This cup is designed specifically for handling flat glass. The 8" Powr-Grip has earned its place as a standard tool for glaziers around the world. A few quick pump strokes brings its 50 square inches of gripping surface into full contact with the glass, giving it the capacity for almost any manual lifting. It has heavy steel plates, brass tubing and silver brazed load-bearing joints. Furnished with black case.

STOCK NO.	Type	Cup Size	Weight	UNIT PKG.
240-3880	Metal Handle - Single Cup	8" dia.	3 lbs.	ONE



8" Diameter Pattern Glass Vacuum Cup

• Get a Grip on Patterned or Irregular Glass

Wood's Powr-Grips pattern glass hand cup features a unique sealing edge and softer vacuum pad specially designed for irregular surfaces. Made of 35 durometer rubber, the 8" dia. cup attaches to most textured surfaces and carries a 75 lb. lifting capacity. The vacuum cup is available with a metal handle/pump/valve or ABS plastic handle/pump/valve. Furnished with storage case.

Note: Although made specifically for patterned or irregular glass, the cup cannot be guaranteed to work on materials having extreme surface variation.

STOCK NO.	Type	Cup Size	Weight	UNIT PKG.
240-3883	Metal Handle - Single Cup	8" dia.	3 lbs.	ONE
240-3893	ABS Handle - Single Cup	8" dia.	2 lbs.	ONE



8" Diameter Economy Flat Vacuum Cup

• Black ABS Handle and Frame • Extra Heavy Duty Release

The economy Powr-Grip vacuum cup is the same as our regular metal handle vacuum cup but features an impact resistant polymer ABS plastic handle with an extra heavy duty release spring. The flat gripping pad is made of tough, durable rubber with a triple-ribbed sealing edge. Red safety indicator located on handle plunger automatically indicates low vacuum. Wood's economy vacuum cup is furnished with storage case.

STOCK NO.	Type	Cup Size	Weight	UNIT PKG.
240-3890	ABS Handle - Single Cup	8" dia.	2 lbs.	ONE

Powr-Grip Vacuum Cups



9" Diameter Flexible Edge Flat Vacuum Cup

• Flexibility Makes this Unit the Most Universal

The larger diameter of the 9" cup provides nearly 63 square inches of gripping surface, for a rock-solid hold on almost any non-porous material. Flexible edges on the pad allow the unit to be used on materials that may bend when lifted. The 9" is recommended on all Powr-Grip hand cup frames in either bolt-on or saddle mounts. Vacuum cup is furnished with black case.

STOCK NO.	Type	Cup Size	Weight	UNIT PKG.
240-3881	Metal Handle - Single Cup	9" dia.	2 lbs.	ONE



10" Diameter Concave Vacuum Cup

• Designed for Curved or Irregular Surfaces

The "muscle" member of the Powr-Grip family, this 10" concave cup puts more than 78 square inches of surface against the glass. Designed for attachment to curved, irregular and flat surfaces, its triple-ribbed sealing edges are approximately one inch below the cup center. Due to its large enclosed volume, this unit is not designed for fast application or release. Furnished with black case.

STOCK NO.	Type	Cup Size	Weight	UNIT PKG.
240-3882	Metal Handle - Single Cup	10" dia.	3 lbs., 3 oz.	ONE



6" Diameter Vertical Pump Action Vacuum Cup

• For Auto Windshield and Backlite Installation and Removal

This Wood's vertical handle cup has an all-metal handle for auto windshield and backlite installation and removal. A few quick pumps attach the soft rubber pad with a reliable, non-slip grip that won't pop off unexpectedly. Two tabs at rubber base quickly permit vacuum release.

STOCK NO.	Type	Cup Size	Weight	UNIT PKG.
240-3886	Metal Handle - Single Cup	6" dia.	1 lb.	ONE



Handi-Grip Vacuum Cup

• Ideal for Grasping Automotive Side Lites, Narrow Windows, 4" Mirror Strips as Well as Shower Doors and Panels

Wood's Handi-Grip vacuum cup is designed to lift narrow or small lites. It's oval shaped but strong enough to safely lift narrow strips which are often difficult to grasp by hand.

STOCK NO.	Type	Cup Size	UNIT PKG.
240-3891	Metal Handle - Single Cup	3" Wide x 6" Long Oval	ONE



6" Diameter "Old Buddy" Flat Vacuum Cup

• 60% Lifting Capacity of Standard 8" Cup

This 6" Powr-Grip vacuum cup can handle most of the loads as larger cups. Convenient to carry, it fits into a large pocket or a small tool box. Low-profile pad is slightly concave for windshields, but flat enough for regular glass. Dual seal system guards against accidental release. Majority of the pump is protected by a solid aluminum casting. Use only for vertical lifting or pulling of glass from rack.

STOCK NO.	Type	Cup Size	Weight	UNIT PKG.
240-3887	Metal Handle - Single Cup	6" dia.	1 lb.	ONE

Specialty Vacuum Cups

5" Diameter Vacuum Cups



240-3755
Hand Trigger Release

240-3756
Lift Bar Release

These heavy duty 5" diameter cups are used for the loading, unloading or positioning of flat glass. The single cup unit has a trigger release; the double cup has a lift bar release to break the suction. Both cups are ideal for moving and holding glass, metal, plastic, stone, formica and porcelain. Excellent for lifting computer floors.

STOCK NO.	Type	Cup Size	UNIT PKG.
240-3755	Single Cup	5" dia.	ONE
240-3756	Double	5" dia.	ONE

6" EZE-Plunger Vacuum Cup

For Installing Windshields & Backlites



This flex rubber cup fits the contour of the glass and "holds fast" while you maneuver the windshield or backlite into position. Two cups are required for most installations. A handy rubber plunger-style cup for use on flat and curved automotive glass.

STOCK NO.	Inner Cup	Outer Cup	UNIT PKG.
240-3555	3-1/4"	6" dia.	ONE CUP

Push Button Release and Finger Lifter Cups

- Black Rubber







240-3560
Push Button Release

240-3824
One-Finger Grip
Two Release Tabs

240-3825
Two-Finger Grip
Two Release Tabs

STOCK NO.	Type	Cup Size	UNIT PKG.
240-3560	Push Button - Single	3-1/4" dia.	ONE
240-3824	One Finger - Single	2-1/8" dia.	12 CUPS
240-3825	Two Finger - Single	3-1/4" dia.	ONE

Extra Finger Tool



Holds Glue-In Windshield Mouldings in Place

Many new cars have a filler strip that must be securely held at the corners while the windshield sealant is setting. This is where the finger tool comes in handy. Double vacuum cups secure it to the windshield with the threaded "finger" over the filler strip. Tighten the finger, secure filler strip and move on to another job.

STOCK NO.	Description	UNIT PKG.
201-1069	Moulding Hold Tool	ONE TOOL

Aegis Auto Glass Handler Kits

Enables One Man to Set Large Car, Van and Truck Windshields

FEATURES:

- Vacuum cups with handle grips allow greater control during setting, reduce risk of back strain
- Red-Line Warning System signals vacuum pressure loss
- Instruction video with step-by-step user instructions



Installers can easily apply urethane directly on the glass - just like the factory!



Kits Include: (2 or 3) vacuum cups, instruction video, elbow pad, and plastic case.

STOCK NO.	Description	Application	UNIT PKG.
200-1960	(2) Cup Kit	Large Car and Van Windshields	ONE KIT
200-1961	(3) Cup Kit	Semi's and Truck Windshields	ONE KIT

Powr-Grip Vacuum Lifters

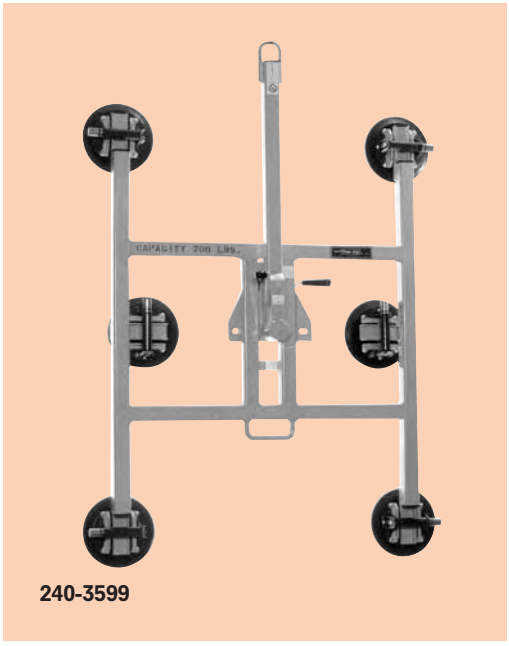
Wood's Powr-Grip Co.

Hand Cup Frames - Vertical Handling, Rotation and Tilt

- **Budget Priced - Fabricator Applications**



240-3594



240-3599

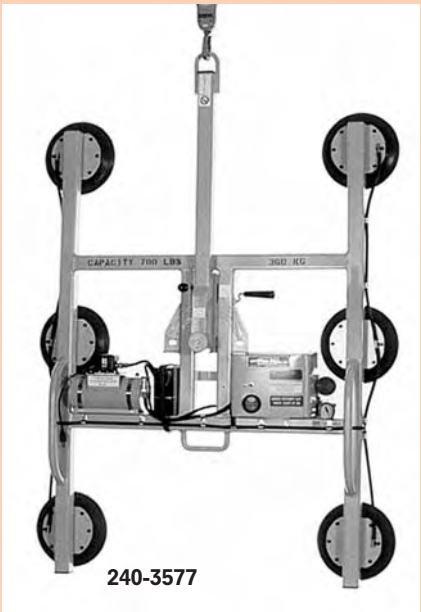
Powr-Grip hand cup frames offer an economic way to expand glass-handling capabilities. When attached to a crane or hoist, these frames provide an effective system for moving, rotating and tilting glass. Use only in applications where hand cups can be monitored and easily pumped if vacuum loss occurs.

Wood's Powr-Grip 9" vacuum cups (240-3881) are recommended and must be ordered separately.

STOCK NO.	Type	Model	Capacity	UNIT PKG.
240-3594	3-Cup Frame	VL3000L	450 lbs.	ONE
240-3599	6-Cup Frame	HFV6000	700 lbs.	ONE

Powr-Grip Power Frames - Horizontal and Vertical Frames

- **Budget Priced - Architectural Applications**
- **180° Edgewise Rotation**
- **90° Upright/Flat Tilt**
- **Cordless 12V DC Power with AC Power Battery Charger**



240-3577

Compact, versatile and economical, these units possess an onboard vacuum system to firmly hold glass. The units offer manual 180° edgewise rotation with automatic stops at each quarter point and manual 90° upright to flat tilt from the center rotation position. The vacuum system is driven by a 12V DC pump. Also included is a gel cell battery, an AC current battery charger, battery energy gauge and low vacuum warning light.

STOCK NO.	Configuration	Model	Cups	Capacity	UNIT PKG.
240-3577	Vertical 47" x 58"	PFV69LDC	6 cups, 9" dia.	700 lbs.	ONE
240-3578	Horizontal 47" x 58"	PFHS69LDC	6 cups, 9" dia.	700 lbs.	ONE
240-3579	Horizontal 58" x 47"	PFHL69LDC	6 cups, 9" dia.	700 lbs.	ONE

Powr-Grip Vacuum Lifters

Wood's Powr-Grip Co.

Powr-Grip - Manual Rotator-Tilter

Three Configurations - All From One Unit

- **Convertible Frame Configures to Three Frame Sizes**
- **90° Upright/Flat Tilt From Any Rotation Position**
- **Continuous 360° Edgewise Rotation**
- **Cordless 12 Volt DC Power**
- **600 lbs. or 700 lbs. Load Capacity**



46" x 65" Configuration



26" x 30-1/2" Configuration



14" x 75-1/2" Configuration

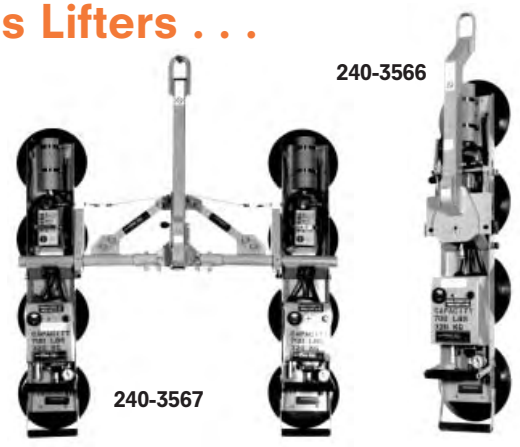
The Powr-Grip manual Rotator-Tilter's flexible frame configurations and 360° edgewise rotation with 90° upright/flat tilt from any rotation position, makes it the most versatile vacuum lifter available. The frame converts to three configurations for handling nearly any glass size. Continuous 360° rotation locks at each quarter point for easy load positioning. Standard features include 12 volt DC vacuum system with onboard gel cell battery, battery charger and battery energy gauge, red no-lift warning light, vacuum gauge and vacuum reserve tank.

NOTE: Dimensions under illustrations above are for the 600 lbs. capacity. For 700 lbs. capacity, add 2" to these dimensions.

STOCK NO.	Load Movement	Model	Cups	Capacity	UNIT PKG.
240-3520	360° Rotation - 90° Tilt	MRT49LDC	4 cups, 9" dia.	600 lbs.	ONE
240-3525	360° Rotation - 90° Tilt	MRT411LDC	4 cups, 11" dia.	700 lbs.	ONE

Powr-Grip - 1104 Series Lifters . . . "The Expandables"

- **Interchangeable Lift-Frames Expand Your Glass Handling Capabilities**
- **180° Edgewise Rotation and 90° Upright/Flat Tilt**
- **700 lbs. or 1400 lbs. Standard Load Capacities**



240-3566

240-3567

Powr-Grip's expandables are a unique line of vacuum lifters that deliver reliable, cord-free operation on the job site or in the warehouse. The component-based system is comprised of the PC1104 pad channel and interchangeable lift-frames. Pad channels can be switched easily from one lift-frame to another in minutes. Standard frames include the single channel P11104DC and the double channel P2110445DC lifter. Single and double-channel 1104's offer 180° edgewise rotation with locking at the quarter points and 90° upright to flat tilt from the center rotation position. Standard vacuum source is a 12 volt DC vacuum pump. Combined with onboard gel cell batteries, battery energy gauge, charger and red, no-lift warning light; these larger capacity lifters provide cordless operation.

STOCK NO.	Type	Model	Capacity	UNIT PKG.
240-3566	Single Channel - 51" x 12" Frame	P11104DC	700 lbs.	ONE
240-3567	Double Channel - 51" x 54" Frame	P2110445DC	1,400 lbs.	ONE



For Rent

Wood's 1104 Series Heavy Glass Lifting Frames

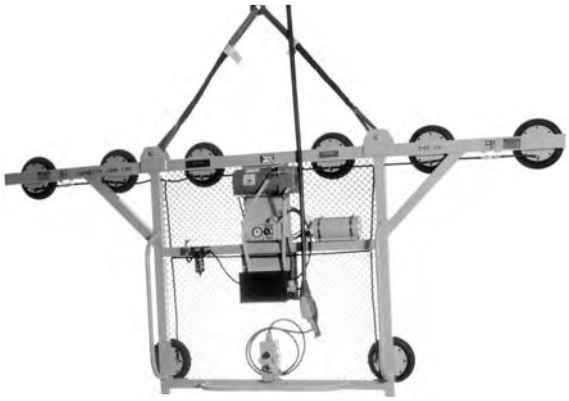
Rent 700 to 1400 lbs. capacity frames from Somaca by the week. Call us for details.

Powr-Grip Vacuum Lifters

Powr-Grip Production Line Lifters
Rotators, Tilters, C-Frame and Quadra-Tilt Lifters

• Fabricator Applications • Insulating Glass Manufacturing

Production lifters quickly maneuver glass between cutting tables, transfer racks and production equipment. These durable and dependable lifters help speed production, reduce operator fatigue and injuries, and minimize glass damage. Choose from a wide variety of load movement and operational features. The C-Frame lifters are ideally suited for quick and easy transfer of glass into and out of shipping cases. The Quadra-Tilt frames significantly reduce the effort of tilting loads between flat and upright positions due to its unique four-bar tilt mechanism. Rotators and tilt models are available with manual or power load movements. All frames operate on alternating current or compressed air. Custom sized frames, 12 volt DC vacuum back-up systems and vacuum loss warning indicators are available as extra cost options.



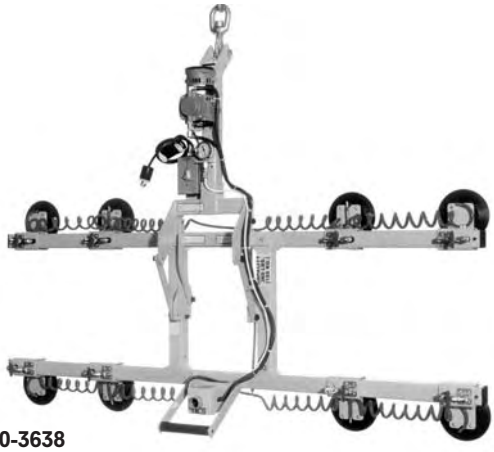
240-3531



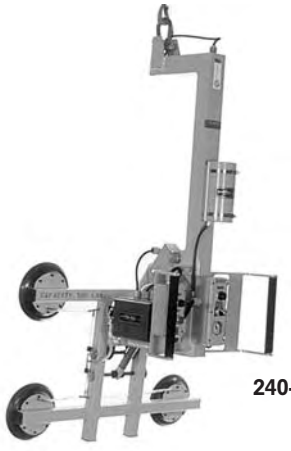
240-3642



240-3538



240-3638



240-3641

STOCK NO.	Load Movement	Model	Frame Size	Capacity	UNIT PKG.
240-3531	Vertical Lift	VLGG89LAC	118″ x 52″	1,200 lbs.	ONE
240-3533	Manual Rotation - 360°	MR411LAC	26″ x 32″	700 lbs.	ONE
240-3642	Power Rotation 90°	PR49LAIR	24″ x 30″	500 lbs.	ONE
240-3536	Manual Tilt	MT89LAC	50″ x 100″	700 lbs.	ONE
240-3538	Manual Rot./Power Tilt	MRPT89LAC	30″ x 60″	1,000 lbs.	ONE
240-3638	Quadra-Tilt 90°	MTA8LP6FACS	29″ x 100″	360 lbs.	ONE
240-3641	C-Frame Power Tilt	CFPT49LAC	34″ x 40″	500 lbs.	ONE

Pickup Racks - Barkow™ 700 Series

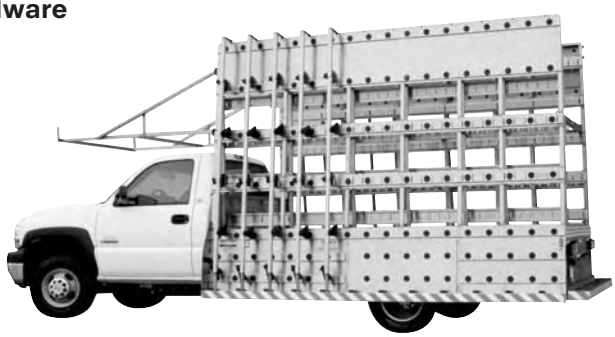
AVAILABLE IN 3 MATERIALS:

Steel Construction
Rated GOOD - uses high tensile steel, primed and finish painted in white

Aluminum Construction
Rated BETTER - lighter than steel with clear coat finish

Stainless Steel Construction
Rated BEST - lighter and stronger than steel, 3x stronger than aluminum with minumum maintenance, clear coat brushed finish

FEATURES:
- **Right and left outside glass racks with 86″ usable height - also available in 72″ and 96″**
- **4 or 6 outside stakes with BarKleats® and hardware**
- **All welded construction**
- **1-1/2″ square tube uprights and stakes**
- **BarPad® glass cushions on 8″ centers**
- **Neoprene baseplate pads on 12″ centers with 3-1/2″ usable ledgerboard**
- **Front load stops left and right**
- **Stake slots on 12″ centers**
- **Includes all necessary lights and reflectors**



UNIT PKG: ONE						
SIZE	4 STAKES STOCK NO.	6 STAKES STOCK NO.	STEEL w/ 3-1/2″ Ledge	ALUMINUM w/ 3-1/2″ Ledge	STAINLESS w/ 3-1/2″ Ledge	MFG. #
72″ x 72″	240-8000	240-8027	X			706-MINI
72″ x 72″	240-8001	240-8028		X		706-A MINI
72″ x 86″	240-8003	240-8030	X			706
72″ x 84″	240-8006	240-8033	X			707-MINI
72″ x 84″	240-8007	240-8034		X		707-A MINI
84″ x 86″	240-8009	240-8036	X			707
96″ x 86″	240-8012	240-8039		X		708-A
96″ x 86″	240-8013	240-8040			X	708-S
96″ x 86″	240-8014	240-8041	X			708
108″ x 86″	240-8015	240-8042	X			709
108″ x 86″	240-8016	240-8043		X		709-A
108″ x 86″	240-8017	240-8044			X	709-S
108″ x 96″	240-8018	240-8045	X			709-EH
108″ x 96″	240-8019	240-8046		X		709-EH-A
108″ x 96″	240-8020	240-8047			X	709-EH-S
120″ x 86″	240-8021	240-8048			X	710S
120″ x 86″	240-8023	240-8050	X			710
120″ x 96″	240-8024	240-8051	X			710-EH

Van Racks - Barkow™ 600 Series

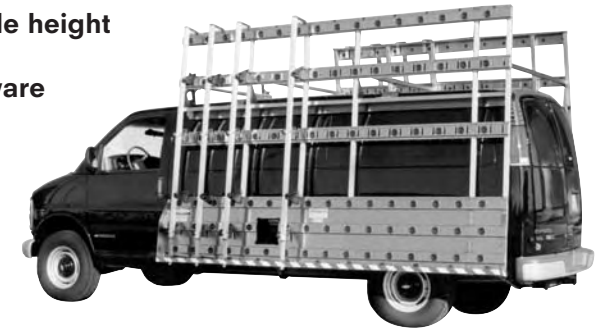
AVAILABLE IN 3 MATERIALS:

Steel Construction
Rated GOOD - uses high tensile steel, primed and finish painted in white

Aluminum Construction
Rated BETTER - lighter than steel with clear coat finish

Stainless Steel Construction
Rated BEST - lighter and stronger than steel, 3x stronger than aluminum with minumum maintenance, clear coat brushed finish

FEATURES:
- **Right and left outside glass racks with 86" usable height - also available in 72" and 96"**
- **2 or 4 outside stakes with BarKleats® and hardware**
- **1-1/2" square tube uprights and stakes**
- **BarPad® glass cushions on 8" centers**
- **Neoprene baseplate pads on 12" centers with 3-1/2" usable ledgerboard**
- **Front load stops**
- **Full bottom panel to protect glass from debris**
- **Includes all necessary lights and reflectors**



UNIT PKG: ONE						
SIZE	2 STAKES STOCK NO.	4 STAKES STOCK NO.	STEEL w/ 3-1/2" Ledge	ALUMINUM w/ 3-1/2" Ledge	STAINLESS w/ 3-1/2" Ledge	MFG. #
72" x 72"	240-8052		X			606-MINI*
72" x 72"	240-8053	240-8054		X		606-A MINI*
96" x 72"		240-8055	X			608-L
96" x 72"		240-8056		X		608-LA
96" x 72"		240-8057			X	608-LS
96" x 86"		240-8058	X			608-H
96" x 86"		240-8059		X		608-HA
96" x 86"		240-8060			X	608-HS
108" x 86"		240-8061	X			609-H**
108" x 86"		240-8062		X		609-HA**
108" x 86"		240-8063			X	609-HS**
120" x 86"		240-8064	X			610-H
120" x 86"		240-8065		X		610-HA
120" x 86"		240-8066			X	610-HS
120" x 96"		240-8067	X			610-EH
120" x 96"		240-8068		X		610-EHA
120" x 96"		240-8069			X	610-EHS
144" x 86"		240-8070	X			612-H
144" x 86"		240-8071		X		612-HA
144" x 96"		240-8072	X			612-EH
144" x 96"		240-8074			X	612-EHS
120" x 86"		240-8073	X			2-610-H***

***Not Available for Window Vans**
****For Savanna/Express Vans**
*****For Right and Left Mount - Specify Sliding or Double Doors On Right Side**

Van and Truck Rack Options

Van Rack
Barkow™ 600 Series Options



5″ Ledgerboards and 30″ Rack Extension

FEATURES:
5″ usable ledgerboards have double row of stake slots (in states where permitted).

STOCK NO.	Description	Material	UNIT PKG.
240-9000	5″ Ledgerboard	Steel	ONE
240-9001	5″ Ledgerboard	Aluminum	ONE
240-9002	5″ Ledgerboard	Stainless Steel	ONE
240-9030	30″ Gear and Rack Upward Extension	Steel	ONE

Ladder Rack



STOCK NO.	Description	Crossbars	UNIT PKG.
240-9003	Ladder Rack	2	ONE SET
240-9004	Ladder Rack	3	ONE SET

Interior Glass Carrier for Cargo and Step Vans

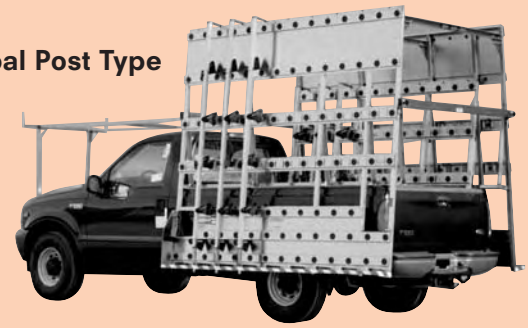
FEATURES:
- **3 stakes**
- **5″ usable ledgerboard - standard**

UNIT PKG: ONE				
SIZE	STEEL STOCK NO.	ALUMINUM STOCK NO.	STAINLESS STOCK NO.	MFG. #
96″ x 46″	240-8080	240-8081	240-8082	**500**
120″ x 46″	240-8083			**525**
120″ x 60″	240-8084			**550**
120″ x 72″	240-8085			**575**

Pickup Rack
Barkow™ 700 Series Options

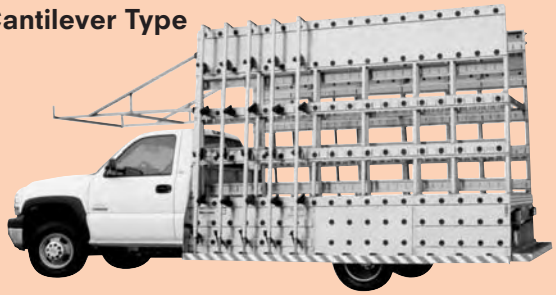
Metal Carriers

Goal Post Type



STOCK NO.	Description	Material	UNIT PKG.
240-9011	Goal Post Carrier	Metal	ONE

Cantilever Type



STOCK NO.	Description	Material	UNIT PKG.
240-9005	Cantilever Carrier	Metal	ONE

5″ Ledgerboard

FEATURES:
5″ usable ledgerboards have double row of stake slots (in states where permitted).

STOCK NO.	Description	Material	UNIT PKG.
240-9040	5″ Ledgerboard	Steel	ONE
240-9041	5″ Ledgerboard	Aluminum	ONE
240-9042	5″ Ledgerboard	Stainless	ONE

Stake-Loc®
Steel Stakes with BarKleats®
(For Use With New Rack Only)

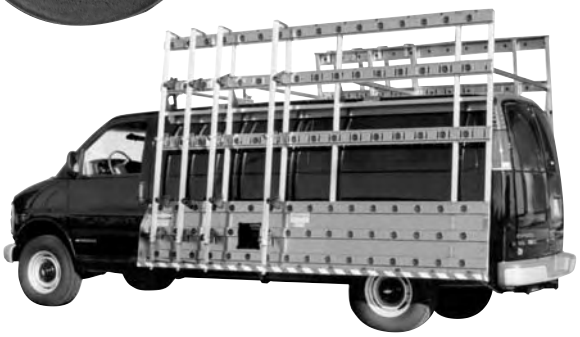
STOCK NO.	Description	For Rack	UNIT PKG.
240-9007	Stake-Loc Stake	Standard	ONE
240-9008	Stake-Loc Stake	Extension	ONE

Glass Truck Pads and Slats

BARKOW barpads



- For Use on Metal or Wood Truck Racks
- Pads Cushion Glass While in Transit







Button Style

240-5692

Thick cushion rubber with locking button to fit 1" hole in metal.





Press-On Style

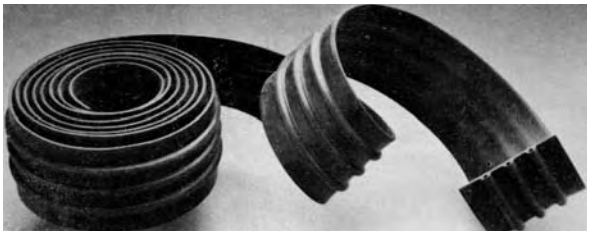
240-5693

Thick cushion rubber with "self-stick" adhesive back.

Barkow Barpads are made of ribbed Koroseal rubber. These glass cushions snap into the horizontal slats without glue. Barpads are positioned on 8" centers on all slats for maximum glass protection. Used on all Barkow glass truck racks.

STOCK NO.	Description	Size	UNIT PKG.
240-5692	Button Type	2-1/4" x 1/4"	ONE
240-5693	Press-On Type	2-1/4" x 1/4"	ONE

Glass Truck Rack Cushion

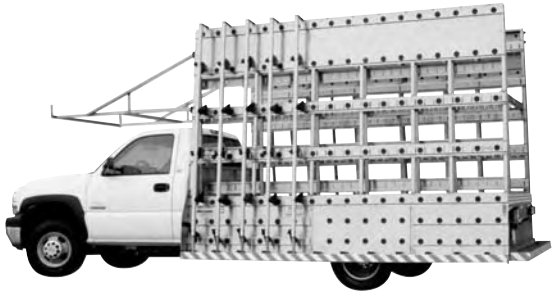


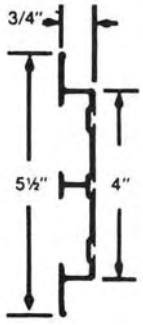
Truck rack cushion is used on the horizontal bottom slats or floor of glass trucks. It cushions and prevents glass from slipping while in transit. Made of black polyvinyl, it can be cemented or nailed to base support structures.

STOCK NO.	Width	Length	UNIT PKG.
240-5504	3"	50 ft. Reel	ONE

Glass Truck Side Slats

- Heavy Duty Aluminum Sections With Vinyl Cushion Strips
- Make a New Truck Rack or Improve Upon Your Old One





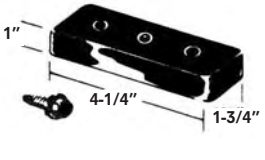
Glazing shops can now make or repair glass truck racks with these sturdy, anodized aluminum side slats. They are strong, will not fracture or corrode, and are virtually maintenance free. Side slats have vinyl insert strips to cushion the glass. Installation is easy, using either screws or pop rivets.

STOCK NO.	Description	Length	UNIT PKG.
240-5675	Aluminum Slat	12 ft.	ONE
240-5676	Replacement Vinyl Insert	100 ft.	ONE

SPECIAL ORDER RACKS AVAILABLE

Sommer & Maca offers a wide array of special order racks for all makes of trucks. For further information, call your local branch with the specifications you need.

Glass Truck Baseplate Pads





These Barkow molded neoprene baseplate pads are positioned on lower rack support plate of glass trucks. Once installed, they cushion lites of glass while in transit. Each pad is furnished with attaching screws.

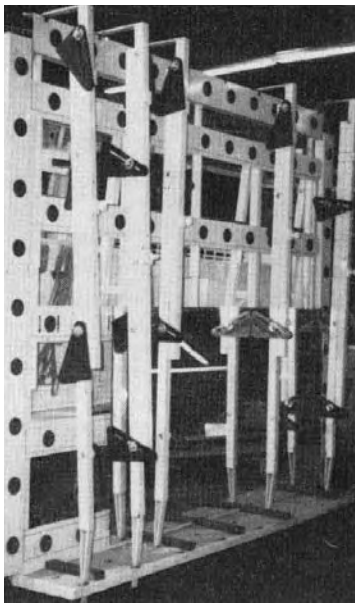
STOCK NO.	Description	UNIT PKG.
240-5505	Pad: 4-1/4" x 1-3/4" x 1"	ONE

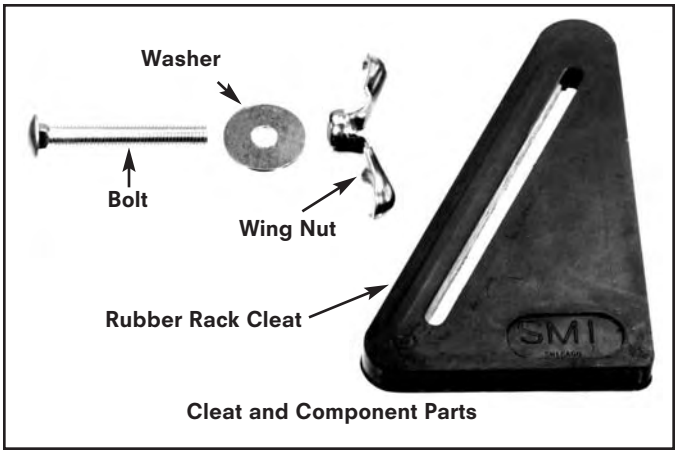
Glass Truck Rack Cleats

Glass Truck Rack Cleats
For Use On Metal or Wood Racks



Complete Holder





Cleat and Component Parts

Black Rubber Post Rack Cleats

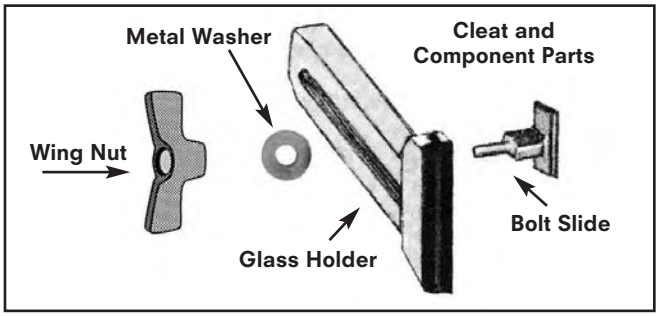
Universal molded rubber glass holders are hard but will never be brittle and can withstand the elements. They can be used horizontally or vertically. The triangular "no-spin" rack cleat has a slanted guide which makes it hug, protect and cushion lites of glass. The cleat is 5" x 8" x 5/8" thick with a 6-1/2" slot.

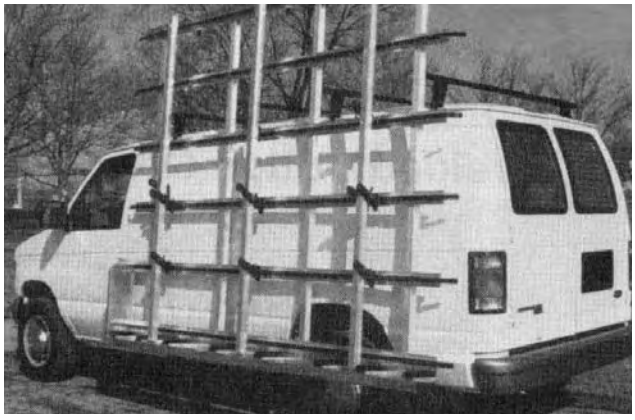
STOCK NO.	Description	UNIT PKG.
240-5667	Complete Holder	ONE
	Replacement Parts	
240-5668	Rubber Cleat Only	ONE
240-5669	3" Bolt, Washer and Wing Nut	ONE

Glass Truck Rack Cleats
For Use On Metal Support Posts

Complete Holder







Beige Plastic Post Rack Cleats

These cleats are made of thermo plastic material for strength, toughness and durability. Fluted rubber insert grips and protects glass. Cleats are 7" long x 7/8" thick with a 5-1/2" adjustment slot. Rubber pad insert is 3-1/2" long x 3/4" wide.

STOCK NO.	Description	UNIT PKG.
240-5687	Complete Holder for Left Side	ONE
240-5688	Complete Holder for Right Side	ONE
	Replacement Parts	
240-5699	Bolt and Wing Nut Assembly (Right)	ONE
240-5686	Bolt and Wing Nut Assembly (Left)	ONE
240-5681	Wing Nut	ONE

Truck Strapping and Tie-Down Rope

Woven Cotton Strapping



This premium quality, white cotton strapping is 2-ply inner-bound to insure that maximum cloth strength is attained. It's used for slings by the glass industry to transport lites of glass and to position glass when installing or storing. It's also used to secure glass to glass truck rack frames and to line bottoms of glass storage racks. Shrink and weather resistant.

STOCK NO.	Width	Thick.	Lgth.	Tensile Strength	UNIT PKG.
240-1532	2"	3/32"	50 ft.	110 lbs.	ONE REEL

Biscuit Cotton Strapping



A good quality, economically priced tie webbing used to secure glass sheets, extrusions, screen windows or doors and other materials to glass truck racks. It can also be used for slings and bundling oversized materials for storage, pick-up or delivery.

STOCK NO.	Width	Thick.	Lgth.	Tensile Strength	UNIT PKG.
240-1533	1-1/2"	3/32"	50 ft.	82.5 lbs.	ONE REEL

Braided Cotton Cord



White Braid

An American-made, standard cotton sash cord with high tensile strength and durability. The reinforced core insures that it will outlast and outperform other cords on the market. It's used primarily as cord replacement on older wood sash windows and to secure glass lites on glass trucks or A-frame storage racks. Ideal for tying, bundling, or securing applications in the shop or home.

STOCK NO.	Gauge	Lgth.	Working Load	UNIT PKG.
338-5058	8 (1/4")	100 ft.	45-70 lbs.	ONE HANK

CALIFORNIA Truck Rope



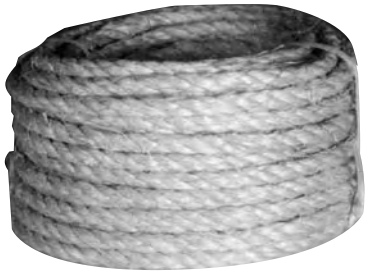
Black-Orange Braid

This polyproylene truck rope meets California Highway Patrol (C.H.P.) tie-down specs. It's exceedingly strong, but spliceable, and will not rot or deteriorate. Usable for many applications "on the road", or at the factory, farm or shop.

STOCK NO.	Diameter	Length	UNIT PKG.
240-5995	3/8"	50 ft.	ONE COIL

Sisal "Tie-Down" Rope

Natural Braid



This economically priced rope is made from the finest sisalina fibers available. It's a rope preferred by glassmen to secure small to medium size windows, glass sheets, wood panels, etc., to truck and storage racks. Not to be used on crucial applications where life, limb or valuable property is involved.

STOCK NO.	Diameter	Length	UNIT PKG.
240-5981	1/4"	50 ft.	ONE ROLL
240-5980	1/4"	100 ft.	ONE ROLL
240-5985	3/8"	100 ft.	ONE ROLL

Ratchet Tie-Down

Securely Holds Cargo While in Transit

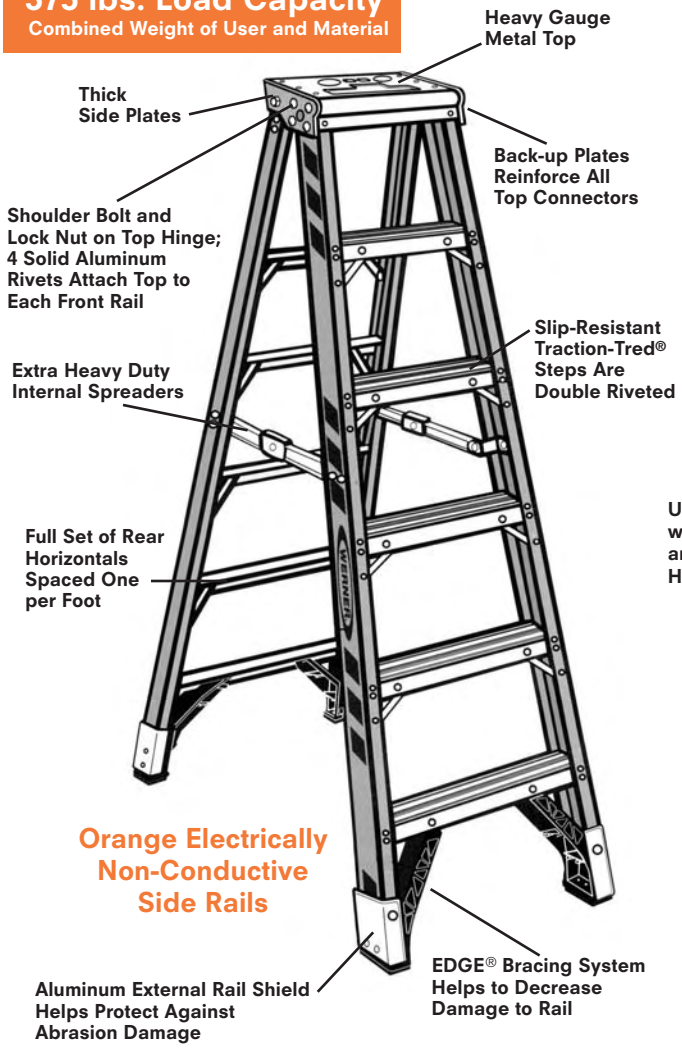


Ratchet tie-down holds securely and produces strong tensioning with an easy pressure release. Soft webbing will not scratch cargo. Extra heavy duty.

STOCK NO.	Rated	Size	UNIT PKG.
240-5519	3,000 lbs.	2" W x 16' L	ONE UNIT

Fiberglass and Aluminum Single and Double Step Ladders

7400 Series Fiberglass
375 lbs. Load Capacity
Combined Weight of User and Material



Every Rivet is Backed Up by a Metal Part or Washer to Protect Rails

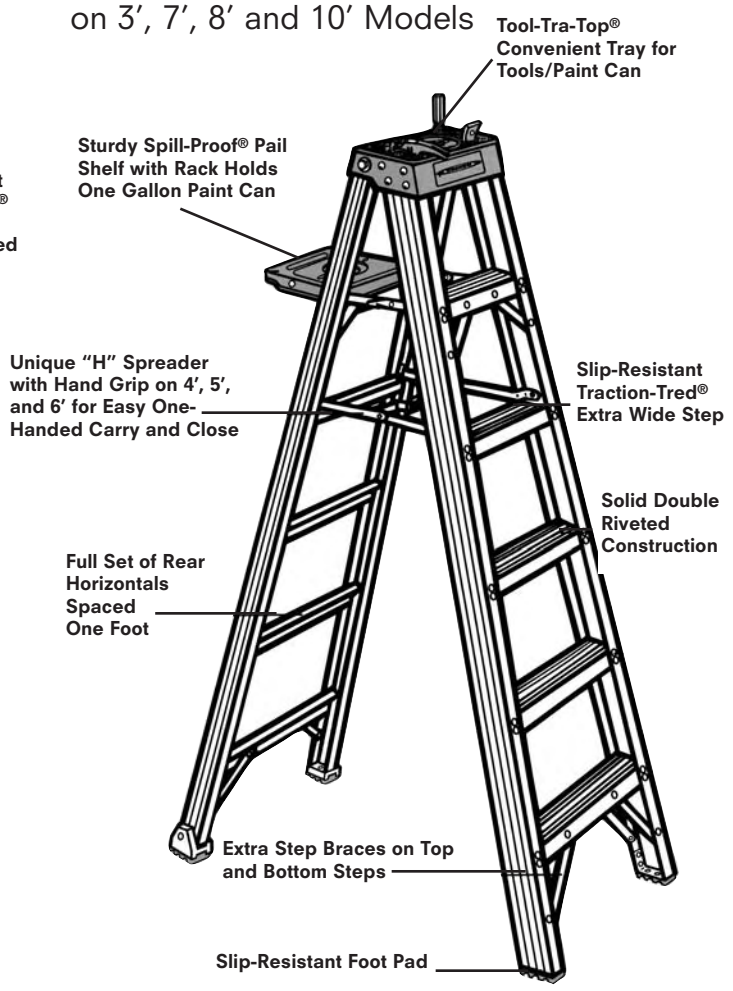
UNIT PKG: ONE FIBERGLASS LADDER

STOCK NO.	Size	Description	Width (Approx.)	Spread (Approx.)	Ship Wt. (Approx.)
240-7214	4′	Single Sided	21-1/2″	30-1/2″	16-1/2 lbs.
240-7216	6′	Single Sided	25″	42-7/8″	23-1/2 lbs.
*240-7218	8′	Single Sided	28-1/2″	55-1/4″	32 lbs.
*240-7220	10′	Single Sided	32″	67-1/2″	40 lbs.
DOUBLE SIDED LADDERS					
240-7204	4′	Double Sided	21-1/2″	36-1/8″	21-1/2 lbs.
240-7206	6′	Double Sided	25″	50-1/8″	30 lbs.
*240-7208	8′	Double Sided	28-1/2″	64-1/8″	40-1/2 lbs
*240-7210	10′	Double Sided	32″	78-1/4″	51-1/2 lbs.

***Over UPS Limit. Shipped by Motor Freight.**

370 Series Aluminum
250 lbs. Load Capacity
Combined Weight of User and Material

External Pinch-Proof™ Spreaders on 3′, 7′, 8′ and 10′ Models



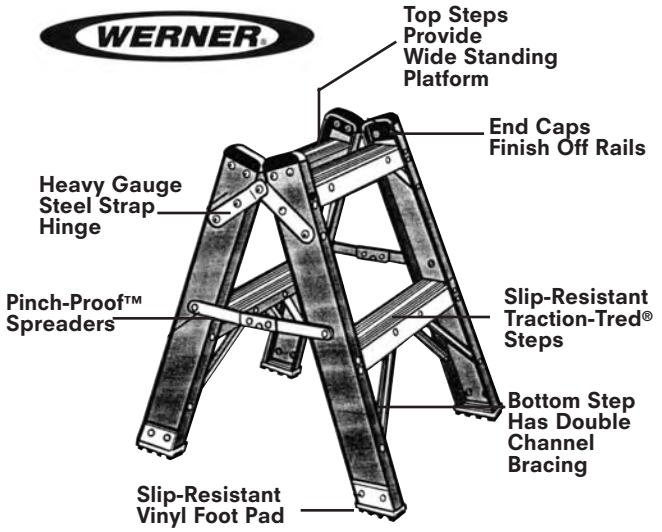
UNIT PKG: ONE ALUMINUM LADDER

STOCK NO.	Size	Description	Width (Approx.)	Spread (Approx.)	Ship Wt. (Approx.)
240-7104	4′	Single Sided	19″	29″	10-1/2 lbs.
240-7106	6′	Single Sided	23″	42″	15 lbs.
*240-7108	8′	Single Sided	26″	54″	21-1/2 lbs.
*240-7110	10′	Single Sided	30″	67″	29-1/2 lbs.
DOUBLE SIDED LADDERS					
240-7114	4′	Double Sided	21″	36″	14 lbs.
240-7116	6′	Double Sided	24-1/2″	50″	21 lbs.
*240-7118	8′	Double Sided	28″	64″	29 lbs.
*240-7120	10′	Double Sided	31-1/2″	78″	41 lbs.

***Over UPS Limit. Shipped by Motor Freight.**

Ladders, Planks and Step Stools

Heavy Duty Aluminum Twin Step Stool
250 lbs. Load Capacity
Combined Weight of User and Material

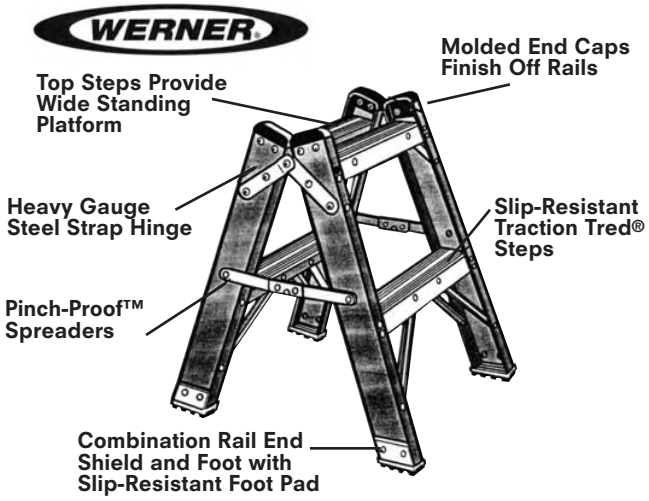


- Folds to 7-1/4" Width for Easy Storage

UNIT PKG: ONE TWIN STEP LADDER

STOCK NO.	Size	Description	Width (Approx.)	Spread (Approx.)	Ship Wt. (Approx.)
240-7102	2′	Twin Step	21″	23″	8-1/2 lbs.

Extra Heavy Duty Fiberglass Twin Step Stool
300 lbs. Load Capacity
Combined Weight of User and Material

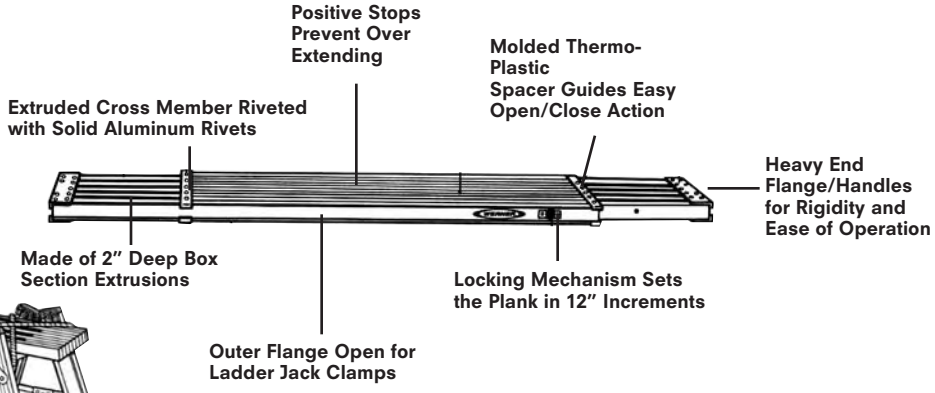


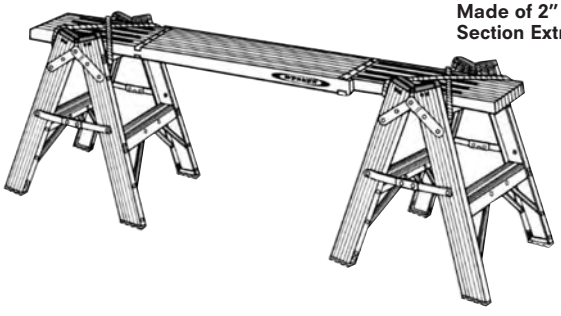
- Electrically Non-Conductive Side Rails
- Folds to 7-1/2" Width for Easy Storage

UNIT PKG: ONE TWIN STEP LADDER

STOCK NO.	Size	Description	Width (Approx.)	Spread (Approx.)	Ship Wt. (Approx.)
240-7202	2′	Twin Step	21-1/8″	23″	12 lbs.

For Use With Ladders Aluminum Extension Planks
250 lbs. Load Capacity
Combined Weight of User and Material





- For Use on Ladder Jacks, Trestle Ladders and Walkway Applications

NOTE: Planks or platform must be secured to the step stools. The ends of each plank or platform must extend beyond the outside edge of each step stool by a minimum of 4″ and a maximum of 10″.

UNIT PKG: ONE EXTENSION PLANK

STOCK NO.	Closed Position	Open Position	Width (Approx.)	Ship Wt. (Approx.)
240-7280	8′	13′	14″	40-1/2 lbs.
*240-7290	10′	17′	14″	56-1/2 lbs.

***Over UPS Limit. Shipped by Motor Freight.**

Glass Handling Gloves

Nitty Gritty® Gloves



- Wrinkle Finish

- Supported
- Cut, abrasion, snag & puncture resistant
- Natural rubber coating with wrinkle finish
- Palm coated
- Sanitized
- In compliance 21CFR, 170-199

STOCK NO.	Description	Size	UNIT PKG.
240-4266	Safety Cuff/Palm Coated	Large	ONE PAIR
240-4277	Safety Cuff/Palm Coated	Small	ONE PAIR
240-4263	Knit Wrist/Palm Coated	Large	ONE PAIR

Fuzzy Duck® Gloves



- Textured Finish

- Supported
- Soft, cotton jersey liner
- Breathable PVC coating
- Fully coated, textured finish
- Sanitized
- Abrasion resistant with excellent grip

STOCK NO.	Description	Size	UNIT PKG.
240-4112	Slip-On Cuff/Fully Coated	Medium	ONE PAIR
240-4110	Slip-On Cuff/Fully Coated	Large	ONE PAIR
240-4114	Slip-On Cuff/Fully Coated	X-Large	ONE PAIR

D-Flex® Supreme Sleeve

- Uncoated

- Cut resistant, D-Flex Supreme cut protection for the arm
- Heavyweight 7 gauge seamless knit
- Available with Velcro®
- In compliance 21CFR, 170-199



STOCK NO.	Description	Length	UNIT PKG.
240-4116	Knit Sleeve	10″	ONE SLEEVE
240-4117	Knit Sleeve w/Velcro	21″	ONE SLEEVE

To select proper glove size, measure all the way around your palm at the knuckles.

X-SMALL	5″-7″
SMALL	7″-8″
MEDIUM	8″-9″
LARGE	9″-10″
X-LARGE	10″-11″
XX-LARGE	11″-13″



Kevlar® NRK™ Gloves

- Natural Rubber Coating

- Cut resistant
- 100% Kevlar Aramid
- 10 gauge seamless knit
- Full-faced screen-printed natural rubber coating
- Excellent cut and slip resistance and dexterity
- In compliance 21CFR, 170-199



STOCK NO.	Description	Size	UNIT PKG.
240-4119	Knit Wrist/Rubber Coated	Medium	ONE PAIR
240-4120	Knit Wrist/Rubber Coated	Large	ONE PAIR
240-4121	Knit Wrist/Rubber Coated	X-Large	ONE PAIR

Nitri-Flex Aramid® Gloves



- Textured Finish

- Best for flat and auto glass
- Supported/cut resistant
- Textured finish, Nitrile coated palm
- Seamless Kevlar knit liner
- Resists cuts, snags and abrasions
- In compliance 21CFR, 170-199

STOCK NO.	Description	Size	UNIT PKG.
240-4122	Knit Wrist/Palm Coated	Medium	ONE PAIR
240-4123	Knit Wrist/Palm Coated	Large	ONE PAIR
240-4129	Knit Wrist/Palm Coated	X-Large	ONE PAIR

Glass Handling Gloves

Nitri-Flex® Lite Gloves



- Smooth Finish

- **Supported**
- **Best for auto glass**
- **Nitrile coated palm with smooth finish**
- **Seamless nylon knit liner**

STOCK NO.	Description	Size	UNIT PKG.
240-4130	Nitri-Flex/Palm Coated	Medium	ONE PAIR
240-4264	Nitri-Flex/Palm Coated	Large	ONE PAIR
240-4131	Nitri-Flex/Palm Coated	X-Large	ONE PAIR

Nitri-Flex® Plus Gloves



- Texture Finish

- **For auto glass**
- **Nitrile coating with textured finish**
- **Seamless cotton/poly knit liner**
- **Palm coated**
- **Alternative to cotton and lightweight leather gloves**

STOCK NO.	Description	Size	UNIT PKG.
240-4132	Nitri-Flex/Palm Coated	Medium	ONE PAIR
240-4133	Nitri-Flex/Palm Coated	Large	ONE PAIR
240-4265	Nitri-Flex/Palm Coated	X-Large	ONE PAIR

Blue Chip® Coated Gloves



- **Hybrid cut resistant fiber**
- **Heavyweight 7 gauge for flat glass**
- **Dot-coated with natural rubber on both sides**
- **In compliance with 21CFR, 170-199**

STOCK NO.	Description	Size	UNIT PKG.
240-4135	Knit Wrist/Dot Coated	Medium	ONE PAIR
240-4136	Knit Wrist/Dot Coated	Large	ONE PAIR
240-4137	Knit Wrist/Dot Coated	X-Large	ONE PAIR

Leather Half-Glove



The fingers are open to allow wearer to handle flat glass safely with ease and dexterity. It protects the entire palm from cuts, abrasions, and splinters when handling glass. Glove is made of chrome leather and is secured at the wrist with a Velcro® closer strap.

STOCK NO.	Description	Length	UNIT PKG.
240-4106	Half-Glove Protector	5-1/2"	ONE PAIR

Leather Work Glove



- Smooth Finish

This is a tough, clute cut, cowhide work glove. It features a smooth, full leather palm and fingertips, double stitched cotton back and fleece lined inside.

Case Quantity: 6 Pair

STOCK NO.	Description	UNIT PKG.
240-4107	Safety Cuff/Leather Palm	ONE PAIR

Coated Cotton Work Gloves



- Grainy Finish

A grainy, vinyl coated, cotton work glove that is both flexible and durable. Gloves provide a firm grip on metal, wood or glass. The cotton material "breathes" so the hands feel more comfortable. Washable, they remain pliable after drying and are not waterproof.

Case Quantity: 12 Pair

STOCK NO.	Description	UNIT PKG.
240-4105	Open Wrist/Grain Coated	ONE PAIR

All-Cotton Work Gloves



Cotton work gloves have a durable knit wrist with more than 35 large black plastic dots per inch across the palm and fingers for increased gripping power.

Case Quantity: 12 Pair

STOCK NO.	Description	UNIT PKG.
240-4118	Knit Wrist/Dot Coated Palm	ONE PAIR

Specialty Work Gloves



SplitFit Air Gloves

• Gel Padded Palm

SplitFit Air Gloves have "free flex" Airprene knuckles and provide index finger protection. They are cut and snag resistant and not slippery when wet. 3M "gel" palm padding is shock absorbing. Wearing SplitFit Air gloves also helps prevent contamination of glass edges when carrying windshields.

STOCK NO.	Size	UNIT PKG.
240-4182	Small	ONE PAIR
240-4183	Medium	ONE PAIR
240-4184	Large	ONE PAIR
240-4185	X-Large	ONE PAIR
240-4186	XX-Large	ONE PAIR

Glass Handling Gloves

• Natural Rubber, Smooth Finish



240-4036
BEST SELLER



240-4062

High quality glass handling gloves offer resistance to sharp glass edges and fragments. They have a natural rubber coating on the palm side and a flexible flannel back. Soft, fleece-like interior absorbs perspiration. Gloves remain flexible even in cold weather.

STOCK NO.	Description	UNIT PKG.
240-4036	4" Gauntlet Cuff/Coated Palm	ONE PAIR
240-4062	Knit Wrist/Coated Palm	ONE PAIR



Sure Grip Glass Gloves

• Thread Rubber Finish

These comfortable, pliable gloves provide the user with an extremely tenacious grip. Vulcanized rubber coated fingers and palm on cotton knit for a safe, durable and flexible glass handling glove.

STOCK NO.	Description	UNIT PKG.
240-4065	Knit Wrist/Coated Palm	ONE PAIR



Glass Handling Gloves

• Natural Rubber
• Super Economy

2-5/8" gauntlet-style glove has a coated palm with good cut and snag resistance. Smooth glove is dark blue, wrinkle coated glove is beige.

STOCK NO.	Description	UNIT PKG.
200-0436	Gauntlet Cuff/Smooth Coated Palm	ONE PAIR
200-4266	Gauntlet Cuff/Wrinkle Coated Palm	ONE PAIR



Glass Handling Gloves

• Natural Rubber
• Economy Glove
• 2-5/8" Gauntlet

The wrinkle palm finish helps prevent slippage. Good cut and snag resistance.

STOCK NO.	Description	UNIT PKG.
240-4288	Gauntlet Cuff/Wrinkle Coated Palm	ONE PAIR



Natural Latex Gloves

• Powder Free • Smooth Finish

A waterproof, extra sensitive, natural latex glove. It fits either hand and is reusable. Glove is excellent for use in the glass shop to keep finger prints and smudges off of glass. Use where liquids are handled, namely on mirror lines, paint shops, laboratories, etc. Large size.

STOCK NO.	Description	Contents	UNIT PKG.
240-4100	Latex Gloves	100 Each	ONE BOX

Nitrile Disposable Gloves

• Powder Free • Chemical Resistant and Non-Marking



This tough, disposable glove is 100% nitrile and only 0.003" thick. Gloves have superior tensile strength and are more resistant to snags and tears than vinyl or latex. Use where solvents are handled: mirror lines, IG shops, auto glass installers, and paint shops. Glove provides a broad scope of protection against accidental chemical splashes.

STOCK NO.	Size	Contents	UNIT PKG.
240-4124	Medium	100 Each	ONE BOX
200-1057	Large	100 Each	ONE BOX
240-4125	X-Large	100 Each	ONE BOX
240-4126	XX-Large	100 Each	ONE BOX

Wrist, Palm and Forearm Protectors

Nylon Cane Net Wrist and Forearm Protectors







These cane wrist protectors are a mandatory apparel item for individuals handling plate glass and mirror sheets. They offer protection to the forearm, where major veins are close to the skin's surface. It will protect these areas from small cuts, scratches and abrasions caused by unfinished glass edges. The sleeve is lightweight and flexible enough not to restrict arm or wrist movement. A double layer of cane not only protects but also allows air to reach the skin. Each protector has an "easy lock" Velcro® closer. (Other sizes available - minimum order is 12 pair).

STOCK NO.	Length	Description	UNIT PKG.
240-4428	7″	Wrist Protector	ONE PAIR
240-4429	9″	Wrist Protector	ONE PAIR

Chrome Leather Wrist and Forearm Protectors







Comfortable, chrome cow leather protectors provide protection against possible injury to the forearm, caused by brushing against sharp glass edges. The 9″ model has a protrusion that protects the thumb joint, as well as the wrist and palm. A Velcro® closer provides secure and snug locking around the forearm. (Other sizes available - minimum order is 12 pair).

STOCK NO.	Length	Description	UNIT PKG.
240-4425	7″	Wrist Protector	ONE PAIR
240-4420	9″	Wrist/Thumb Joint Protector	ONE PAIR

★ IMPORTANT SAFETY PRECAUTIONS:
Glassworker protective gear was designed to help prevent accidental cuts from casual contact with the edges of glass. Protectors are not designed to protect the wearer from falling fragments or shattering of glass.

Protective Sleeves and Chaps

Protective Cotton Sleeves

Cotton sleeves protect shoulders, elbows and arms from abrasions and scratches. Lightweight and flexible, but sturdy. Reinforced 2-ply white cotton or blue denim with plated grommets for protection and air circulation. Adjustable shoulder straps.

White Cotton



STOCK NO.	Description	UNIT PKG.
240-4445	White Cotton Sleeves	ONE PAIR
240-4442	Replacement Straps	ONE PAIR

Blue Denim





STOCK NO.	Description	UNIT PKG.
240-4446	Blue Denim Sleeves	ONE PAIR
240-4442	Replacement Straps	ONE PAIR

Protective Cane Mesh Sleeves



Super tough cane mesh nylon sleeves have excellent cut resistance. The open weave allows the garment to breathe, making them comfortable in warm weather. The sleeves are of single layer cane mesh with canvas elbow section for flexibility. Arm length rows of leather give additional protection. Adjustable wrist, neck and shoulder straps.

STOCK NO.	Description	UNIT PKG.
240-4448	Cane Mesh Sleeves	ONE PAIR

Glass Handler's Chaps



These chaps, with grommeted shin shields, are constructed of DuPont® Kevlar®, renown for its great slash and flame resistance. Lightweight and flexible, they protect the glazier from the waist to the ankles. Chaps fasten at the waist with a leather belt, and the legs fasten with Velcro® patches. Snap-on apron folds over for added protection at the waist. A leather glass plier pocket is sewn on the right side.

STOCK NO.	Description	UNIT PKG.
240-4222	22 oz. Kevlar Chaps	ONE PAIR

Work Aprons

Protective Rubber Aprons



240-4291
Medium Weight



240-4292
Light Weight
BEST SELLER

- **Black Buna Rubber**
- **Acid Proof**
- **Flexible Backing**

No. 240-4291 is a **medium weight** acid-proof apron. Thickly rubberized, but allows ease of movement. Perfect for protection of clothing against acids, paints, oils and solvents.
No. 240-4292 is a **light weight** apron with a thin rubber coating on a flexible cloth backing. Protects clothing during grinding, painting or degreasing operations.

STOCK NO.	Description	UNIT PKG.
240-4291	35" x 45" (Medium Weight)	ONE APRON
240-4292	35" x 45" (Light Weight)	ONE APRON

Protective Leather Apron

Baler Style

Heavy duty, all-chrome leather work apron widely used by the glazing, construction and packaging industries. It gives surface protection to the areas below the waist and above the knees (groin, waist and thigh.) Not only does it protect the body but also prevents work clothes from tears and stains. The apron is cut full, 24" wide and 18" in length. Made in USA.



STOCK NO.	Description	UNIT PKG.
240-4432	24" Wide x 18" Long	ONE APRON

Work Aprons

Denim

Made of heavy 8 oz. blue duck. Apron has a swing-out micrometer pocket and pencil/marker pocket on bib - two large pockets at waist.



STOCK NO.	Length	Description	UNIT PKG.
240-4127	38"	Blue Denim	ONE APRON

Canvas

Made in grade "B" canvas. Apron is 40" long to allow for shrinkage. Two pockets on bib. Two waist pockets.



STOCK NO.	Length	Description	UNIT PKG.
240-4128	40"	Canvas	ONE APRON

Safety Helmets & Winter Liner





Somaca safety helmets are molded of high density polyurethane, which is unaffected by temperature extremes. They protect against object impact and penetration and are impervious to standard industrial chemicals. Contemporary shell design provides excellent air circulation and ventilation to the wearer's head. A "breathable" microphone brow pad absorbs perspiration, and the nape strap is adjustable.

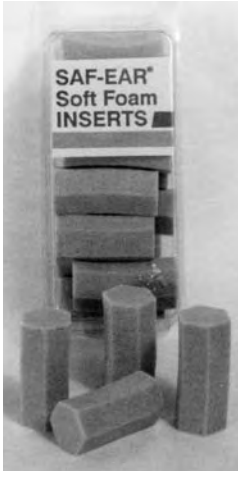
STOCK NO.	Description	Color	UNIT PKG.
240-4077	Safety Helmet	White	ONE
240-4078	Safety Helmet	Yellow	ONE
240-4082	Winter Liner	Khaki	ONE

Ergonomic Wrist Supports

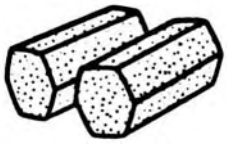


Protect yourself and your employees from injuries resulting from damaging repetitive wrist, tendon, hand and finger movements. This wrist support encourages and maintains a safe, neutral wrist position, decreasing flexion and extension stress. Ideal for hand gunning urethanes. To determine correct size, measure around hand at widest part of palm.

STOCK NO.	Description	Color	UNIT PKG.
240-0152	Medium: 8" to 9"	Black	ONE
240-0154	Large: 9" to 10"	Black	ONE
240-0156	X-Large: 10" to 11"	Black	ONE



Foam Ear Inserts



These soft, pliable inserts permit you to hear at a normal, conversational level, plus provide hearing protection against noise pollution. Made of low density, grey molded foam. Simply roll insert in your hand to compress its diameter and insert into ear. It will then expand for a secure fit.

STOCK NO.	Contents	UNIT PKG.
240-4072	6 Pair	ONE BOX

Lower Back Support Belts with Detachable Suspenders



These support belts protect and give support to your back when lifting, pulling or pushing. A Velcro® fastening system provides a comfortable, secure fit. Belt is 6-1/4" wide with a 10" back rise. The suspenders are adjustable and detachable.

To Select the Right Size: with your clothes on, measure around your waist at the widest portion. If your measurement is on the higher end of one size, order the next larger size.

STOCK NO.	Description	Color	UNIT PKG.
240-4241	(36-40) Medium	Black	ONE
240-4242	(40-44) Large	Black	ONE
240-4243	(44-48) Extra Large	Black	ONE



Hearing Protector

Comfortable and Lightweight

These "over the head" anti-noise muffs not only protect your hearing but are attractive looking. They can be worn over or behind the head or under the chin. They are compact and lightweight. The adjustable headband provides a comfortable fit. The unit is contemporary in style and lightweight in feel.

STOCK NO.	Description	UNIT PKG.
240-4070	Band Style Muffs	ONE

Abrasive Glass Grinding Belts

Fast Grind Polyester Backed Coated Abrasive Glass Grinding Belts



Finger Lock Splice Provides a Super Strong Joint

Somaca coated abrasive belts are a product of superior craftsmanship. They are made to Sommer & Maca's specifications, and conform to the glazing industry's standards. The polyester backing will not shred, stretch, curl or crack. Quality fast cutting silicon carbide grain is electrostatically applied to insure smooth and even grinding. Finger Lock splice provides a super strong joint and is barely detectable.

4" Wide Belts For Use on Upright Glass Edging Machines



4" x 106" Abrasive Belt Machine Stock No. 262-2000

*BEST SELLER

4" x 106" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 10 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
253-7060	60	5 Belts	ONE NEST
253-7080	80	5 Belts	ONE NEST
253-7100	100	5 Belts	ONE NEST
253-7120*	120	5 Belts	ONE NEST
253-7180	180	5 Belts	ONE NEST
253-7220	220	5 Belts	ONE NEST
253-7320	320	5 Belts	ONE NEST
253-7400	400	5 Belts	ONE NEST

Boxes Contain 5 Belts of One Size and Same Grit

Grit Selection Chart

For Extra Rough Grinding	60 Grit
For Rough Grinding	80 & 100 Grit
For Smooth Grinding	120 to 220 Grit
For Satin Finish	320 Grit
For Semi-Polishing	400 Grit
For High Polishing	Use Cork Belt

CAUTION: When grinding glass, always wear safety eyewear, glass handling gloves, and an approved respirator.

Tempering Belts

For Dry Sanding of Glass, Prior to Tempering

For Use on Twin Belt Machines and Upright Sanders (Operated Dry)



4" x 106" Twin Belt Machine (Dry)

4" x 106" TEMPERING BELTS
ECONOMICAL CLOTH BACK FABRIC - RESIN BOND

STOCK NO.	Grit	Contents	UNIT PKG.
257-4080	80	10 Belts	ONE NEST
257-4120	120	10 Belts	ONE NEST

Boxes Contain 10 Belts of One Size and Same Grit

Abrasive Glass Grinding Belts

SOMACA Abrasive Belts





4" x 132"
Abrasive Belt Machine
BM-132 RP

4" x 132" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 10 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
253-9060	60	5 Belts	ONE NEST
253-9080	80	5 Belts	ONE NEST
253-9120	120	5 Belts	ONE NEST
253-9220	220	5 Belts	ONE NEST
253-9400	400	5 Belts	ONE NEST

Boxes Contain 5 Belts of One Size and Same Grit



*BEST SELLER

3" x 24" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 10 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
253-0063	40	10 Belts	ONE NEST
253-6060	60	10 Belts	ONE NEST
253-6080	80	10 Belts	ONE NEST
253-6120 *	120	10 Belts	ONE NEST
253-6180	180	10 Belts	ONE NEST
253-6220	220	10 Belts	ONE NEST
253-0075	320	10 Belts	ONE NEST
253-6400	400	10 Belts	ONE NEST
253-6600	600	10 Belts	ONE NEST

Boxes Contain 10 Belts of One Size and Same Grit





4" x 64"
Table Top Belt Machine BM-64B
with Built-in Water Tank

4" x 64" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 10 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
253-8080	80	5 Belts	ONE NEST
253-8120	120	5 Belts	ONE NEST
253-8220	220	5 Belts	ONE NEST
254-4400	400	5 Belts	ONE NEST
254-4600	600	5 Belts	ONE NEST

Boxes Contain 5 Belts of One Size and Same Grit

SOMACA Tempering Belts

For Dry Sanding of Glass,
Prior to Tempering



3" x 24" TEMPERING BELTS
CLOTH BACK - RESIN BOND
MASTER CARTON: 5 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
253-4080	80	10 Belts	ONE NEST
253-4120	120	10 Belts	ONE NEST

Boxes Contain 5 Belts of One Size and Same Grit

Abrasive Glass Grinding Belts

SOMACA Abrasive Belts



*BEST SELLER

3" x 21" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 10 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
253-5060	60	10 Belts	ONE NEST
253-5080	80	10 Belts	ONE NEST
253-5120*	120	10 Belts	ONE NEST
253-5180	180	10 Belts	ONE NEST
253-5220	220	10 Belts	ONE NEST
253-5400	400	10 Belts	ONE NEST
253-0073	600	10 Belts	ONE NEST

Boxes Contain 10 Belts of One Size and Same Grit



*BEST SELLER

1-1/8" x 21" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 10 POLYWRAPPED NESTS

STOCK NO.	Grit	Contents	UNIT PKG.
253-0069	40	10 Belts	ONE NEST
220-4550	80	10 Belts	ONE NEST
220-4551*	120	10 Belts	ONE NEST
220-4552	220	10 Belts	ONE NEST
253-0066	320	10 Belts	ONE NEST
220-4553	400	10 Belts	ONE NEST
253-0067	600	10 Belts	ONE NEST

Bags Contain 10 Belts of One Size and Same Grit



4" x 24" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 5 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
200-4240	80	10 Belts	ONE NEST
200-4241	120	10 Belts	ONE NEST
200-4242	220	10 Belts	ONE NEST
200-4243	400	10 Belts	ONE NEST

Boxes Contain 10 Belts of One Size and Same Grit

3M Respirators

- 2-Strap Industrial Model
- Disposable
- Two Models Available



For protection against dusts created from using dry abrasive or diamond belts, use Stock No. 240-4160.
Auto glass installers concerned about urethane vapors or abrasive belt dust should use Stock No. 240-4161. Contact the manufacturer at 1 (800) 243-4630 for proper use or other questions on product. Follow instructions on box.

STOCK NO.	Protection	Contents	UNIT PKG.
240-4160	Glass/Diamond Dust	20	ONE BOX
240-4161	Dust/Vapors	20	ONE BOX

Designer Safety Eyewear

Black Frame



- Sleek Frame and Lens for Style and Safety
- Adjustable Nosepiece for Added Comfort
- 4 Point Adjustable Temples Adjusts Straight or Curved
- Scratch Resistant Lens
- Meets ANSI Z87.1 and CSA Z94.3 Spec.

STOCK NO.	Description	Lens Color	UNIT PKG.
240-4437	Eyewear	Clear	ONE PAIR
240-4438	Eyewear	Smoke	ONE PAIR
240-4439	Indoor/Outdoor	Mirrored	ONE PAIR

Patriot Safety Eyewear

Red, White & Blue Frame



- Single Lens Style with Molded Nosepiece and Brow Guard
- With Integrated Side Shields for a Comfortable Fit
- Lightweight Frame with Adjustable Temples
- Hard Coated Lens for Scratch Resistance
- Meets ANSI Z87.1 Spec.

STOCK NO.	Description	Lens Color	UNIT PKG.
240-4443	Eyewear	Clear	ONE PAIR
240-4444	Eyewear	Smoke	ONE PAIR

Abrasive Glass Grinding Belts

Cork Polishing Belts



Produces a High Gloss on Glass Edges - For Use on Upright and Portable Sanders



Processing glass edges using a cork belt will produce a high gloss finish. Cork belts are used after swiping the glass edge with a fine grit abrasive belt (320 grit and finer.)

FOR UPRIGHT SANDERS
CLOTH BACK - RESIN BOND
SOLD PER BELT

STOCK NO.	Size	Contents	UNIT PKG.
258-7000	4" x 106"	1 Belt	ONE BELT
258-9000	4" x 132"	1 Belt	ONE BELT

FOR PORTABLE HAND SANDERS
CLOTH BACK - RESIN BOND

STOCK NO.	Size	Contents	UNIT PKG.
258-1000	3" x 21"	5 Belts	ONE NEST
258-3000	3" x 24"	5 Belts	ONE NEST
258-4000	1-1/8" x 21"	5 Belts	ONE NEST

Boxes Contain 5 Belts of One Size

For Glass Polishing and Lubricating



Kool-It Lube™ & Polishing Wax

Kool-It makes saw blades, abrasive belts, grinding wheels and drills last longer and function more efficiently by curtailing friction build-up. Kool-It extends tool and belt life.

Case Quantity: 24 Sticks

STOCK NO.	Description	UNIT PKG.
213-1405	15 oz. Stick	ONE STICK



Excelene Polishing Oil

Apply Excelene Polishing Oil directly on abrasive belt to produce a smooth, high polish to the edge of glass when grinding. Spray belt thoroughly on first application, then spray lightly whenever needed to keep belt pliable and free cutting.

Case Quantity: 12 Cans

STOCK NO.	Description	UNIT PKG.
259-9065	11 fl. oz. Can	ONE CAN

Formax Grease Stick



For abrasive belt polishing operations on glass, plastic and metals. Produces a higher polish on glass edges than obtained with water on wet abrasive belts alone. Can be used on dry or wet belts and discs.

Case Quantity: 24 Sticks

STOCK NO.	Description	UNIT PKG.
259-9026	20 oz. Stick	ONE STICK

Castrol® Polishing Wax



Stick Wax is a combination of special waxes in stick form, which can be applied directly to abrasive belts and saw blades to give a luster polish to glass edges. Improves performance on grinding, sanding, drilling, tapping and sawing.

Case Quantity: 24 Sticks

STOCK NO.	Description	UNIT PKG.
213-1400	15 oz. Stick	ONE STICK

Dry Abrasive Sanding Discs

SOMACA Silicone Carbide Dry Sanding Discs

Hole With Slots

5″ Disc
7/8″ Slotted Hole



5" DIAMETER DISCS
HEAVY CLOTH BACK - RESIN BOND
SOLD PER NEST OF 50 DISCS - SAME GRIT

STOCK NO.	Grit	Contents	UNIT PKG.
259-8080	80	50 Discs	ONE NEST
259-8120	120	50 Discs	ONE NEST
259-8220	220	50 Discs	ONE NEST
259-8400	400	50 Discs	ONE NEST

6″ Disc
3/4″ Slotted Hole



6″ DIAMETER DISCS
HEAVY CLOTH BACK - RESIN BOND
SOLD PER NEST OF 50 DISCS - SAME GRIT

STOCK NO.	Grit	Contents	UNIT PKG.
259-5080	80	50 Discs	ONE NEST
259-5120	120	50 Discs	ONE NEST
259-5220	220	50 Discs	ONE NEST
259-5400	400	50 Discs	ONE NEST

7″ Disc
7/8″ Slotted Hole



7" DIAMETER DISCS
HEAVY CLOTH BACK - RESIN BOND
SOLD PER NEST OF 50 DISCS - SAME GRIT

STOCK NO.	Grit	Contents	UNIT PKG.
259-3060	60	50 Discs	ONE NEST
259-3080	80	50 Discs	ONE NEST
259-3120	120	50 Discs	ONE NEST
259-3220	220	50 Discs	ONE NEST
259-0034	400	50 Discs	ONE NEST



Hole Without Slots

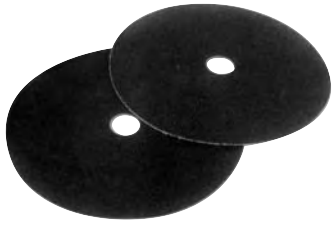
6″ Disc
3/4″ Punched Hole



6" DIAMETER DISCS
HEAVY CLOTH BACK - RESIN BOND
SOLD PER NEST OF 50 DISCS - SAME GRIT

STOCK NO.	Grit	Contents	UNIT PKG.
259-6080	80	50 Discs	ONE NEST
259-6120	120	50 Discs	ONE NEST
259-6220	220	50 Discs	ONE NEST
259-6400	400	50 Discs	ONE NEST

7″ Disc
7/8″ Punched Hole

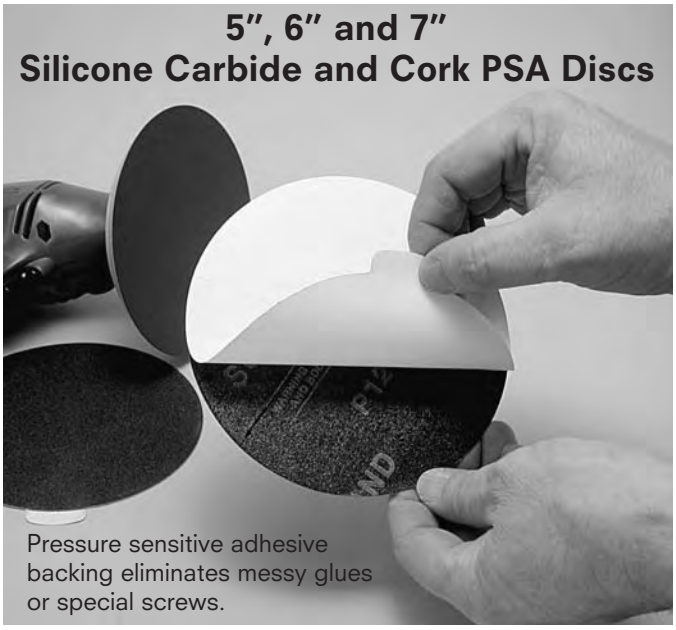


7" DIAMETER DISCS
HEAVY CLOTH BACK - RESIN BOND
SOLD PER NEST OF 50 DISCS - SAME GRIT

STOCK NO.	Grit	Contents	UNIT PKG.
259-7080	80	50 Discs	ONE NEST
259-7120	120	50 Discs	ONE NEST
259-7220	220	50 Discs	ONE NEST
259-7400	400	50 Discs	ONE NEST

Glass Sanding PSA Discs

Silicone Carbide and Cork PSA Discs



Backup Pads

For Pressure Sensitive Adhesive Discs
Plastic Hub with Vinyl-Faced Pad



Stud Style



Nut Style

5" DIAMETER BACKUP PADS

STOCK NO.	Thread Size	Style	Fits Brand	UNIT PKG.
261-5001	M8" x 1.25 Male Thread	Stud	211-8538 (Makita)	ONE PAD
261-5002	5/16" x 24 Male Thread	Stud	Many 5" Grinders	ONE PAD
261-5000	5/8" x 11 Female Thread	Nut	Many 5" Grinders	ONE PAD

6" DIAMETER BACKUP PADS

STOCK NO.	Thread Size	Style	Fits Brand	UNIT PKG.
261-5003	M8" x 1.25 Male Thread	Stud	Many 6" Grinders	ONE PAD
261-5004	5/16" x 24 Male Thread	Stud	211-8538 (Makita)	ONE PAD

7" DIAMETER BACKUP PADS

STOCK NO.	Thread Size	Style	Fits Brand	UNIT PKG.
261-5009	5/8" x 11 Female Thread	Nut	Most 7" Grinders	ONE PAD

5" Discs - No Hole

5" DIAMETER SILICONE CARBIDE ADHESIVE BACKED PSA DISCS
SOLD PER NEST OF 50 DISCS - SAME GRIT

STOCK NO.	Grit	Contents	UNIT PKG.
258-5080	80	50 Discs	ONE NEST
258-5120	120	50 Discs	ONE NEST
258-5220	220	50 Discs	ONE NEST
258-5400	400	50 Discs	ONE NEST
258-5600	600	50 Discs	ONE NEST

CORK 5" DIAMETER ADHESIVE BACKED PSA DISC
NO HOLE - SOLD EACH

STOCK NO.	Size	UNIT PKG.
258-5001	5"	ONE DISC

6" Discs - No Hole

6" DIAMETER SILICONE CARBIDE ADHESIVE BACKED PSA DISCS
SOLD PER NEST OF 50 DISCS - SAME GRIT

STOCK NO.	Grit	Contents	UNIT PKG.
258-5320	80	50 Discs	ONE NEST
258-5420	120	50 Discs	ONE NEST
258-6220	220	50 Discs	ONE NEST
258-6400	400	50 Discs	ONE NEST
258-6800	600	50 Discs	ONE NEST

CORK 6" DIAMETER ADHESIVE BACKED PSA DISC
NO HOLE - SOLD EACH

STOCK NO.	Size	UNIT PKG.
258-6001	6"	ONE DISC

7" Discs - No Hole

7" DIAMETER SILICONE CARBIDE ADHESIVE BACKED PSA DISCS
SOLD PER NEST OF 50 DISCS - SAME GRIT

STOCK NO.	Grit	Contents	UNIT PKG.
258-7080	80	50 Discs	ONE NEST
258-7120	120	50 Discs	ONE NEST
258-7220	220	50 Discs	ONE NEST
258-7400	400	50 Discs	ONE NEST
258-7800	600	50 Discs	ONE NEST

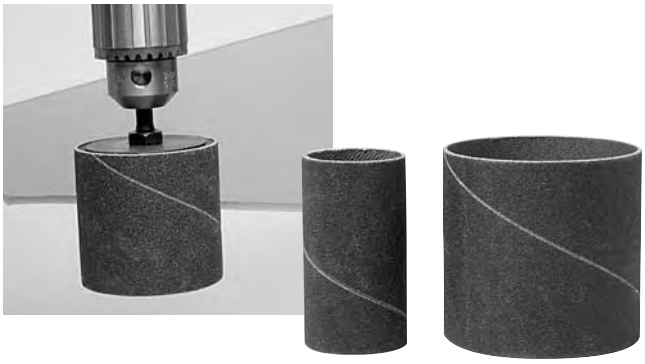
CORK 7" DIAMETER ADHESIVE BACKED PSA DISC
NO HOLE - SOLD EACH

STOCK NO.	Size	UNIT PKG.
258-7801	7"	ONE NEST

Glass Sanding Bands and Grinding Bits

Silicone Carbide Sanding Bands

For Dry Grinding of Glass Edges



These abrasive sanding bands are used with a sanding drum and portable drill. They are made of tough cloth backing. **PACKED IN POLYBAG NEST.**

1" DIAMETER x 2" WIDE - Use with No. 211-7201 Drum
SOLD PER NEST OF 10 BANDS - SAME SIZE AND GRIT

STOCK NO.	Size	Grit	UNIT PKG.
259-1080	1" x 2"	80	ONE NEST
259-1120	1" x 2"	120	ONE NEST
259-1220	1" x 2"	220	ONE NEST

2" DIAMETER x 2" WIDE - Use with No. 211-7202 Drum
SOLD PER NEST OF 10 BANDS - SAME SIZE AND GRIT

STOCK NO.	Size	Grit	UNIT PKG.
259-2080	2" x 2"	80	ONE NEST
259-2120	2" x 2"	120	ONE NEST
259-2220	2" x 2"	220	ONE NEST

Rubber Sanding Drums

For Smoothing Cut-Outs, Incurves, Speak Holes and Mail Slots





These rubberized sanding drums are combined with abrasive bands and are used with an electric drill to seam and polish the edges of speak holes, cut-outs and curves. The abrasive sanding bands slip over drums and are secured by tightening the hex nut on shank.

STOCK NO.	Diameter	Shank	UNIT PKG.
211-7201	1"	1/4"	ONE DRUM
211-7202	2"	1/4"	ONE DRUM

Diamond Coated Grinding Bits

For Smoothing Incurves and Cut-Outs





An exceptional, industrial quality diamond bit for smoothing cut-out holes, slots, etc. with 1/4" thick glass. They can be used to make on-the-job adjustments or correct cutting mistakes. Coated bits fit 3/8" electric drills.

PENCIL EDGE PROFILE

STOCK NO.	Grit	UNIT PKG.
211-8530	80	ONE BIT
211-8535	120	ONE BIT

FLAT & SEAM EDGE PROFILE

STOCK NO.	Grit	UNIT PKG.
211-8536	80	ONE BIT
211-8537	120	ONE BIT

Makita® 3/8" Cordless Driver-Drill Kit

9.6 Volt

- **2-Speed**
- **Variable Speed, Reversible**

Tool Includes: (2) batteries, charger, phillips bit, keyless chuck, plastic tool case.



2 Batteries

SPECIFICATIONS:

Capacities:
- Steel . . . . . 3/8" (10mm)
- Wood . . . . . 11/16" (18mm)
- Wood Screw . . . . . #12 x 2-1/8" (5.5mm x 55mm)

No Load Speed . . . . . Low: 0-400 rpm, High: 0-1100 rpm
Maximum Torque . . . . . 122 in. lbs.
Battery 9.6VDC (2.2Ah)
Net Weight . . . . . 3.7 lbs. (1.7 kg) with battery

Drill features Ni-MH battery that provides 70% longer run time, 6-stage torque setting for diverse drilling and driving applications, industrial keyless chuck for fast bit installation, and an ergonomically enhanced rubberized grip. Electric brake.

STOCK NO.	Description	Model	UNIT PKG.
220-4502	3/8" Driver-Drill	6095DWBE	ONE KIT
220-4504	Battery	192696-2	ONE BATTERY
220-4505	Charger	DC1411	ONE CHARGER

Hand Seamers and Abrasive Tools

Hand Glass Seamer
For Smoothing and Swiping Edges of Freshly Cut Glass

• **For 1/8" to 1/2" Glass**



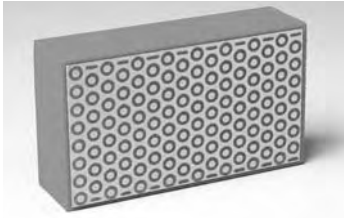


Using a hand seamer is a quick and easy method to smooth edges and corners of recently cut glass. It removes sharp edges, enabling a glazier to safely handle the glass. By swiping the edges of glass before washing on automatic glass washers, you can protect the expensive brush bristles. Two abrasive rollers are furnished with each tool. Tool is 2-1/2" wide by 5-3/4" long.

STOCK NO.	Description	UNIT PKG.
261-2251	Seamer with 2 Grinding Rollers	ONE SEAMER
261-2252	Replacement Grinding Roller	ONE ROLLER

Diamond Handpad Smoother
For Fast, Effective Glass Removal

Diamond handpads are ideal for finishing glass surface shapes and edges that are hard to reach with power tools. Abrasive grit is permanently attached to the pad. Available in two grits. Pad is 4-1/4" long by 2-1/2" wide by 1-3/4" deep.



Pads Work Well on Marble and Ceramics

STOCK NO.	Grit	UNIT PKG.
251-7420	120	ONE HANDPAD
251-7422	220	ONE HANDPAD

Tool Sharpening Stick
Diamond Coated



This pocket-sized stick (6" long by 3/4" wide) can be used to sharpen general shop tools or auto glass cut-out blades. The sharpening surface measures 2" long by 3/4" wide on one side of stick.

STOCK NO.	Grit	Handle Color	UNIT PKG.
261-2134	Fine	Red	ONE STICK
261-2136	Medium	Purple	ONE STICK

Glass Smoothing Brick

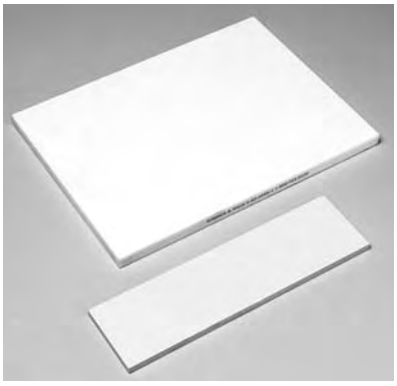


• **120 Grit** • **Choice of Two Materials**

Our best selling brick is a white aluminum oxide compound. This more forgiving material is recommended for use with our deluxe diamond core drills and metal bond diamond wheels. White brick measures 8" long by 2" wide by 1" thick.
The black silicone carbide brick is somewhat faster cutting because it splinters easily. Experienced edger and beveller operators may prefer this brick. It is also used to grind and smooth glass edges, dress grinding wheels on art glass machines, finger grip machines, or hone the cutting edges of industrial cutting tools. The black brick measures 6" long by 2" wide by 1" thick. (When dressing diamond wheels or diamond drills, saturate the dressing material with coolant such as No. 265-1000 or No. 265-1008.)

STOCK NO.	Description	Color	UNIT PKG.
211-8120	Aluminum Oxide	White	ONE BRICK
261-2115	Silicone Carbide	Black	ONE BRICK

Diamond Wheel Dressing Stick and Boards



Aluminum oxide dressing sticks and boards remove glass particles and residues from the grinding surface of the diamond wheel. Dressing boards are the safest and easiest to use.
They ride on the conveyor track over the diamond wheel and clean the wheel in one pass. Examination of the board after one pass will determine if the cleaning/dressing is satisfactory.

DRESSING STICK

STOCK NO.	Size	Grit	UNIT PKG.
261-2150	7" x 2" x 1/4" Thick	160	ONE STICK

DRESSING BOARDS

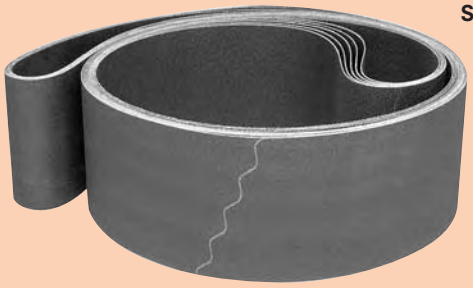
STOCK NO.	Size	Grit	UNIT PKG.
261-2152	8-1/2" x 6-1/8" x 1/4" Thick	100	ONE
261-2151	8-1/4" x 6-1/4" x 3/8" Thick	120	ONE
261-2153	8-1/4" x 6-1/4" x 1/2" Thick	120	ONE
261-2154	8-1/4" x 6-1/4" x 3/4" Thick	120	ONE

Abrasive Glass Grinding Belts

3M "Duo-Glass" Polyester Backed Coated Abrasive Glass Grinding Belts



4" Wide Belts For Use on Upright Glass Edging Machines





4" x 106"
Abrasive Belt Machine
Stock No. 262-2000

Sine-Lok Splice Allows Belts to Run in Either Direction

3M "Duo-Glass" coated abrasive belts feature a Sine-Lok splice that allows belts to run in either direction, while providing extra seam strength. Uniform mineral coating (silicone carbide) electrostatically applied and bonded to a strong polyester backing produces a belt with smooth, uniform grinding action. Unique polyester backing also prevents stretching, swelling and overall shape loss. The strong, waterproof resin bond increases belt life and performance. Resin offers greater resistance to heat and is more durable in heavy stock removal operations. Resin bond products are by far the best all-around coated abrasives.

4" x 64" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 5 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
254-4080	80	5 Belts	ONE NEST
254-4120	120	5 Belts	ONE NEST
254-4220	220	5 Belts	ONE NEST
254-4400	400	5 Belts	ONE NEST

Boxes Contain 5 Belts of One Size and Same Grit

4" x 84" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 5 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
254-6080	80	5 Belts	ONE NEST
254-6120	120	5 Belts	ONE NEST

Boxes Contain 5 Belts of One Size and Same Grit

4" x 118" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 5 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
254-8120	120	5 Belts	ONE NEST

Boxes Contain 5 Belts of One Size and Same Grit

4" x 106" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 5 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
254-7060	60	5 Belts	ONE NEST
254-7080	80	5 Belts	ONE NEST
254-7100	100	5 Belts	ONE NEST
254-7120	120	5 Belts	ONE NEST
254-7180	180	5 Belts	ONE NEST
254-7220	220	5 Belts	ONE NEST
254-7400	400	5 Belts	ONE NEST

Boxes Contain 5 Belts of One Size and Same Grit

4" x 132" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 5 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
254-9080	80	5 Belts	ONE NEST
254-9120	120	5 Belts	ONE NEST
254-9220	220	5 Belts	ONE NEST
254-9400	400	5 Belts	ONE NEST

Boxes Contain 5 Belts of One Size and Same Grit

CAUTION: When grinding glass, always wear safety eyewear, glass handling gloves, and an approved respirator.

Abrasive Glass Grinding Belts

3M
"Duo-Glass" Abrasive Belts For Portable Sanders



3" x 24" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 10 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
254-3060	60	5 Belts	ONE NEST
254-3080	80	5 Belts	ONE NEST
254-3100	100	5 Belts	ONE NEST
254-3120	120	5 Belts	ONE NEST
254-3180	180	5 Belts	ONE NEST
254-3220	220	5 Belts	ONE NEST
254-3400	400	5 Belts	ONE NEST

Boxes Contain 5 Belts of One Size and Same Grit

Abrasive Belts For Portable Sanders



4" x 24" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 5 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
200-4240	80	10 Belts	ONE NEST
200-4241	120	10 Belts	ONE NEST

Boxes Contain 10 Belts of One Size and Same Grit

3M
"Duo-Glass" Abrasive Belts For Portable Sanders



3" x 21" ABRASIVE BELTS
POLYESTER BACK - RESIN BOND
MASTER CARTON: 10 BOXES

STOCK NO.	Grit	Contents	UNIT PKG.
254-1080	80	5 Belts	ONE NEST
254-1120	120	5 Belts	ONE NEST
254-1220	220	5 Belts	ONE NEST

Boxes Contain 5 Belts of One Size and Same Grit

Flexible Diamond Belts
For Production Grinding of Glass



1-1/2" x 84" DIAMOND BELTS
POLYESTER BACK - RESIN BOND
SOLD EACH

STOCK NO.	Grit	Color	Micron	UNIT PKG.
254-6470	100 - 120	Red	74	ONE BELT
254-6440	180 - 200	Yellow	40	ONE BELT

Somaca Economical Option

4" x 106" DIAMOND BELT
POLYESTER BACK - RESIN BOND
SOLD EACH

STOCK NO.	Grit	Mesh	UNIT PKG.
254-7420	120	120	ONE BELT

Glass Polishing and Lubricating Sticks

Kool-It™ Lube & Polishing Wax

A Lubricating and Polishing Compound for Smoother Cutting and Grinding





Kool-It makes saw blades, abrasive belts, grinding wheels and drills last longer and function more efficiently by curtailing friction build-up. Kool-It extends tool and belt life.

STOCK NO.	Description	Case Quantity	UNIT PKG.
213-1405	15 oz. Stick	24	ONE STICK

Castrol® Polishing Wax and Saw Blade Lubricant

An Exceptional Belt Polishing Wax and Saw Blade Lubricant

Stick Wax is a combination of special waxes in a convenient stick form, which can be applied directly to abrasive belts and saw blades to give a luster polish to the edges of glass. Improves performance on grinding, sanding, drilling, tapping and sawing.



STOCK NO.	Description	Case Quantity	UNIT PKG.
213-1400	15 oz. Stick	24	ONE STICK

Formax Polishing Grease

Imparts a High Polish to Glass Edges



Formax stick is used for abrasive belt polishing operations on glass, plastic and metals. Produces a higher polish on glass edges than obtained with water on wet abrasive belts alone. Can be used on dry or wet belts and discs.

STOCK NO.	Description	Case Quantity	UNIT PKG.
259-9026	20 oz. Stick	24	ONE STICK

Excelene Polishing Oil

A Polishing Oil for Belts and Wheels



Apply Excelene Polishing Oil directly on abrasive belt to produce a smooth, high polish to the edge of glass when grinding. Spray belt thoroughly on first application, then spray lightly whenever needed to keep belt pliable and free cutting.

STOCK NO.	Description	Case Quantity	UNIT PKG.
259-9065	11 fl. oz. Can	12	ONE CAN

Glass Polishing Compounds and Wheels

Cerium Oxide Polishing Compound

- Contains No Lead
- No Added Zinc
- Excellent Suspension Characteristics
- Economically Priced
- 2.0 - 2.5 Micron Size



Somaca Brand Cerium Oxide Polishing Compounds play a critical role in mirror production, bevel and edge polishing, as well as scratch/stain removal.

For bevelling and edging applications where cerium oxide is re-circulated from a holding tank, product mixing and measurement are critical. Cerium solids content should be measured every four hours to achieve optimum performance and control cost. The measuring device is a baume gauge to check the cerium solids content at the bottom of the discharge hose. Care must be exercised when adding cerium oxide to the holding tank. Pre-mix the cerium in warm water because heat chemically activates the cerium.

Never add cerium by attempting to remember the color of the slurry. The cerium slurry can be heated to 85°F. The best working temperature is 95°F to 115°F.

STOCK NO.	Name	Application	Baume Goals	Size	UNIT PKG.
263-1056	Brite	Bevelling	4° - 8°	44 lbs.	ONE PAIL
263-1057	Premier	Bevelling	4° - 8°	44 lbs.	ONE PAIL
263-1055	Lite	Pre-Wash/ Slow & Small Bevels	1° - 2°	30 lbs.	ONE PAIL

Rare Earth Cerium Oxide Glass Polishing Compound

- Contains No Lead
- No Added Zinc
- 3.0 - 3.5 Micron Size



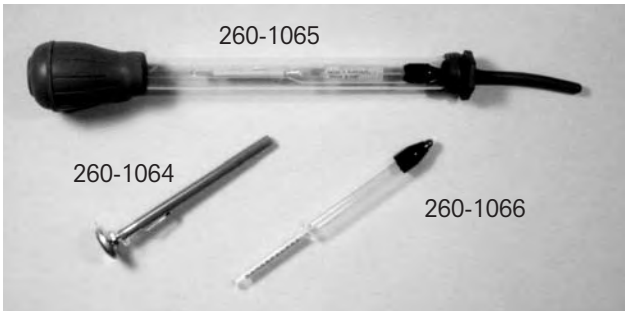
Somaca Rare Earth Polishing Compounds are high quality products for removing scratches or polishing glass surfaces. All products are in a neutral pH range and have passed silver testing for mirrors.

The one pound and eight pound cans are formulated for manual operations with a 3.0 micron size particle.

For automatic bevelling machines, Stock No. 263-1050 contains a 3.5 micron particle size. For best results, slurry temperature should be 95°F to 115°F. Rare Earth is used with felt wheels on automatic glass bevellers, silvering machines and portable scratch polishers.

STOCK NO.	Application	Size	UNIT PKG.
263-1014	Hand Bevel/Scratches	1 lb.	ONE CAN
263-1018	Hand Bevel/Scratches	8 lbs.	ONE CAN
263-1050	Automatic Bevelling	44 lbs.	ONE PAIL

Concentration Test Instruments



STOCK NO.	Description	Size	UNIT PKG.
260-1066	Baume Gauge	Tool Box - 8"	ONE TOOL
260-1064	Thermometer	Pocket - 5-1/2"	ONE TOOL
260-1065	Baume Gauge	Shop - 15"	ONE TOOL

Felt Polishing Wheels and Grain

American Ground Pumice

Used to Polish with Cork Wheels and to Remove Hairline Scratches





Somaca Powered Pumice is a high quality, ground volcanic crystal, devoid of impurities. It is used to produce a semi-polish on glass bevels, miters and pencil edges. It's applied in slurry form to glass by means of a cork wheel. The slivers in the pumice powder fracture during grinding, continually exposing new polishing edges. Polish with pumice before high polish stage, when cerium and felt wheel are utilized. Using pumice is an excellent means of removing hairline scratches from glass surfaces.

STOCK NO.	Grade	Contents	UNIT PKG.
263-1629	Extra-Fine	40 lbs.	ONE BOX
263-1630	Fine	40 lbs.	ONE BOX
263-1631	Medium Fine	40 lbs.	ONE BOX

White Felt Polishing Wheels and Strip Ring

Used to Remove Scratches and Polish Hand Bevels and Edges



No. 37 Glass Polisher shown with 260-5244 Felt Strip Ring



White mirror grade medium hard wheels. 100% pure wool. Carefully selected to assure uniform density. For portable polishers and engraving lathes.

STOCK NO.	Size	Hole	UNIT PKG.
260-5031	2-7/8" x 1-1/2"	1/2"	ONE WHEEL
260-5306	6" x 1/2"	1/2"	ONE WHEEL
260-5372	7" x 2"	1"	ONE WHEEL
260-5373	7" x 3"	1"	ONE WHEEL

FELT POLISHING STRIP RING

This hard, Spanish-type felt polishing strip is mounted on the wood wheel frame of a Somaca Model No. 37 glass polisher.

STOCK NO.	Diameter	Width	Weight	UNIT PKG.
260-5244	24" O.D. x 18" I.D.	3"	14 lbs.	ONE RING

Silicone Carbide Abrasive Grinding Grain

For Grinding, Bevelling and Glass Drilling



Silicone carbide's hardness and sharpness make it the ideal abrasive for grinding or drilling.

For coarse grinding of glass: 60, 80, or 100 grit
For fine grinding: 100 or 120 grit
For general glass hole drilling with metal tubes: 80 grit
For mirrors: 120 grit
For sand blasting: 120 grit aluminum oxide grain

STOCK NO.	Grit	Contents	UNIT PKG.
264-1060	60	10 lbs.	ONE CAN
264-1080	80	10 lbs.	ONE CAN
264-1100	100	10 lbs.	ONE CAN
264-1120	120	10 lbs.	ONE CAN

Aluminum Oxide Grain

For Sand Blasting and Etching Glass



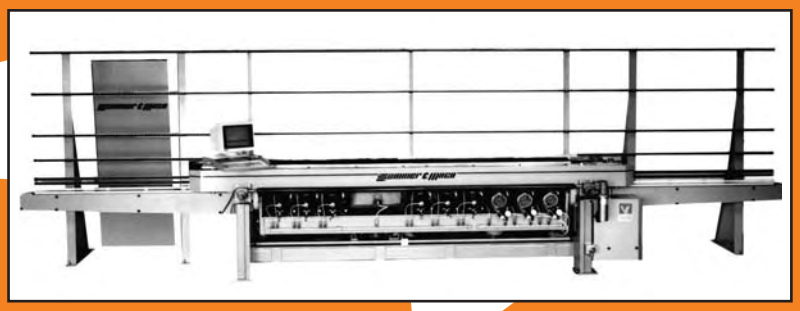


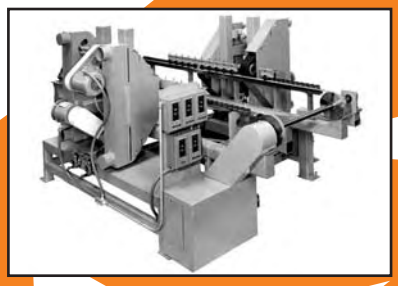
For use with Somaca Etch Blasters, page 322.

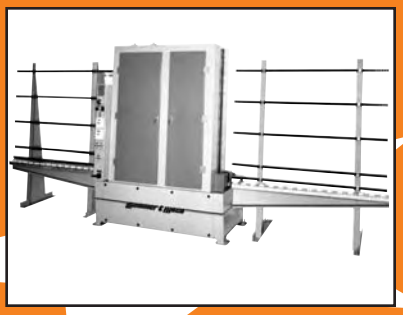
STOCK NO.	Grit	Contents	UNIT PKG.
264-3120	120	10 lbs.	ONE CAN

Somaca "User Friendly" Machines

• Since 1920 •



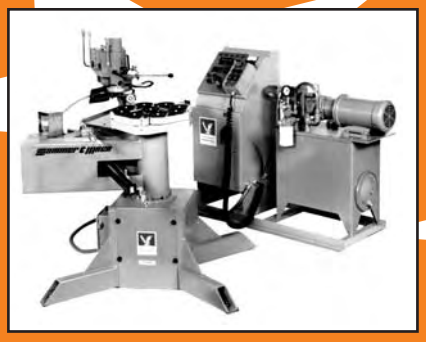


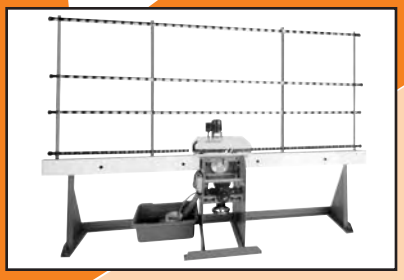


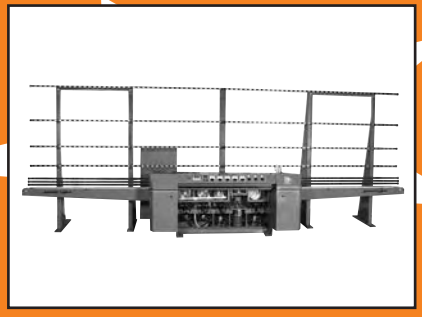
Let Somaca Devise a
User Friendly
Shop Environment for You

After looking through the Machinery section of this catalog, you'll discover that each machine is designed to make your life a little easier, more productive and more profitable. Somaca offers over 80 different machines to the glass and metal trades.

We can design and build a machine to fulfill your needs. It's very probable that either one or several Somaca machines will ultimately make a significant impact in improving the way you process glass.

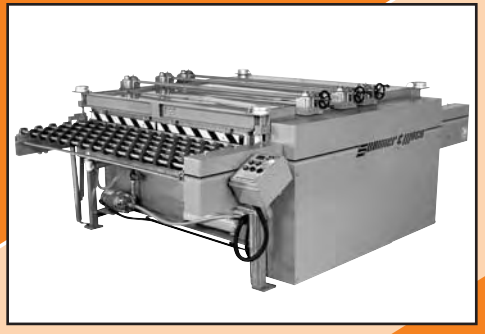


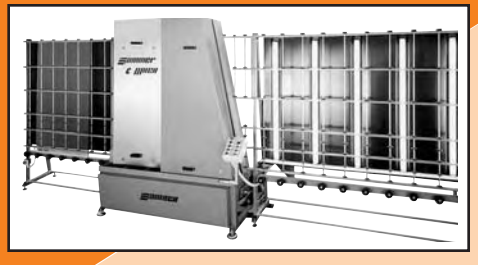






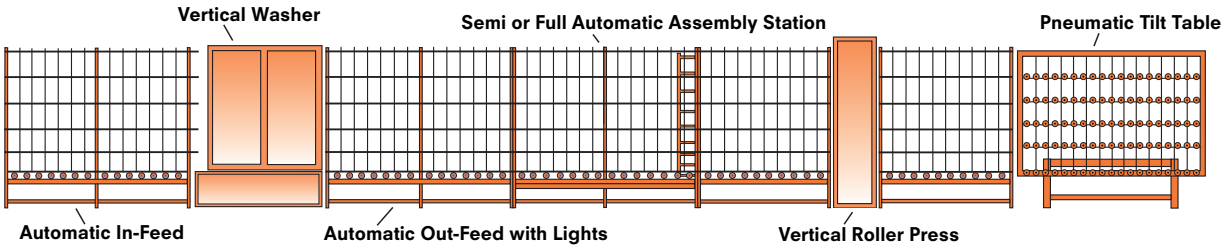




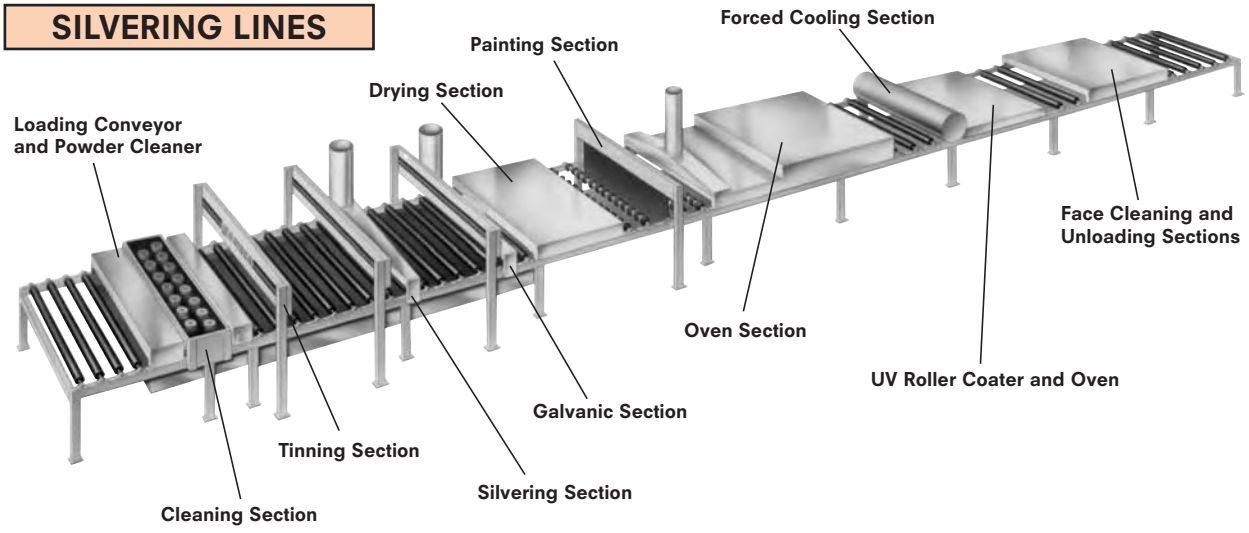


Somaca Complete Equipment Systems

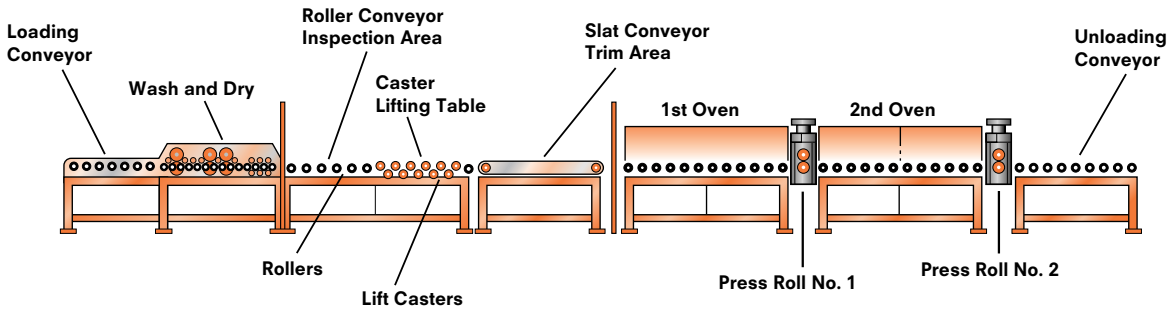
INSULATING GLASS SYSTEMS



SILVERING LINES



LAMINATING LINES



64" Abrasive Belt Machine

Portable Wet Abrasive Belt Model for Rough Grinding, Smoothing and Polishing Edges of Glass

Somaca 64"
Model No. BM-64B
with Optional Platen



For Use with 4" x 64" Belts

This bench type machine with its streamline styling, rugged construction and low price is ideal for glass fabricators who have only a limited need for edgework capacity. Also, it can be carried on a truck, or to the job site if electricity is available.

Machine is designed for use with standard 4" x 64" abrasive belts. **One 120 grit belt (No. 254-4120) is furnished** with each unit. The machine is equipped with a 1/2HP, single phase, 1725 rpm motor with a cord and on/off switch.
The drive shaft is V-belt powered, and revolves in two ball bearing pillow block units. The Somaca eccentric type belt tensioner has a convenient locking handle and a control knob for easy tightening and tracking.
Water for wet grinding sprays on the back of the belt from a built-in tank. One pair of safety glasses (240-4447) and a respirator (240-4160) are furnished with each machine.

SPECIFICATIONS

Model	Width	Depth	Height	Shipping Weight
BM-64B	16"	24"	36"	150 lbs.



Top View

Built-In Water Tank
The Somaca 64" Belt Machine has a built-in water tank. Just pour water in the holding tank on top of the unit, and you can wet grind anywhere. Tank capacity is 1.2 gallons.



Optional Equipment
3M flat metal cushioned platen complete with attaching bracket.

CAUTION: When grinding, always wear safety eyewear and an approved glass dust respirator (No. 240-4161). One of each is provided with the machine.

106" Abrasive Belt Machine

Wet Abrasive Belt Machine for Rough Grinding, Smoothing and Polishing Edges of Glass



No. 262-2000 shown with Rubber Contact Roller Platen

Somaca 106"

For Use With 4" x 106" Belts

ADDED OPERATOR PROTECTION
Standard Safety Shield



Lower Bearing Housing Has Sealed, Greased for Life Ball Bearings!

The Standard of the Industry

There are some quality products that never really get old – they just get better as the years pass. This is the case for the world famous Somaca 106" Belt Machine. It's a machine that has been the workhorse and mainstay for most glass shops in the U.S., Canada and throughout the world.

Since 1932, glassworkers have learned to rely on the 106" to fulfill their glass grinding and polishing requirements. Reliability, versatility and durability are the words that best describe this renowned machine. A machine that has been made with pride by American craftsmen for over 70 years, using American-made components.

SPECIFICATIONS

STOCK NO.	Width	Depth	Height	Shipping Weight
262-2000	24"	23"	72"	350 lbs.
262-2300	106 Belt Machine with 3M Platen			

CAUTION: When grinding, always wear safety eyewear (240-4160) and an approved glass dust respirator (240-4161). One of each is provided with each machine.

106" Abrasive Belt Machine

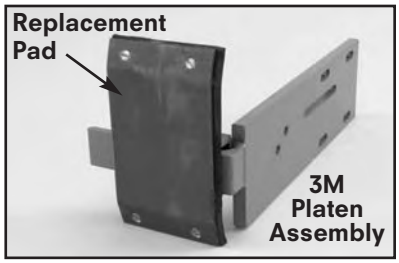
Major Features of the 106

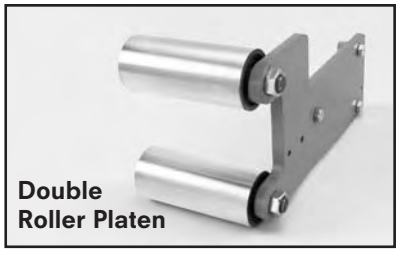


Quick Change
Belt/Pulley Assembly



Rubber contact roller platen with a 24" glass rest. Comes with five 3" diameter wheels.





Optional: 3M flat metal cushioned platen, and double roller platen.

Traveling Table for Somaca 106 Belt Machines



The traveling table can be a great asset to shops that have requirements to seam large lites of glass and mirror. The unit glides on a 12' monorail and is attached by brackets to the side of the machine. Two grooved 5" steel wheels ride effortlessly over the rail. The wood table top is made from select northern pine and is attached to an iron support carriage.

STOCK NO.	Dimensions	Weight
262-3106	30" x 50"	300 lbs. w/rails

SPECIFICATIONS

106" Abrasive Belt Machine

Abrasive Belts
This machine uses standard 4" x 106" abrasive belts. **One 120 grit belt (No. 253-7120), one pair of safety glasses, and one approved respirator, (No. 240-4161), are furnished with each machine. A safety shield is mounted to the hood.**

Motor
1HP, 110/220 volt, 60 cycle, single phase, 3450 RPM, capacitor-type wired to toggle switch, cord and plug. All machines are wired for 110 volts unless otherwise specified.

Pulleys (Idler and Driven)
5" diameter, cast iron, machine trued and balanced.

Belt Tension Device
Eccentric type with locking handle, and control knob for tracking.

Platens Available (Choice of One)
A. Rubber Contact Platen with 24" long glass rest and five 3" dia. wheels. **(No. 262-5587)**.
B. 3M Flat Metal Cushioned Platen (optional). **(No. 262-6674)**.
C. 3M Replacement Pad. **(No. 262-0099)**.
D. Double Roller (optional). **(No. 262-8442)**.

Bearings
Sealed standard ball bearings throughout in cast iron housings.

Coolant System
Water line with solenoid control valve and low consumption water spray nozzle (3.5 gph @ 30 psi) for wet grinding of glass. Water is automatically turned on when motor starts.

Optional recirculating coolant systems:
(No. 262-2110) - 110V plug in; (No. 262-2230) - 230V wire in.

Standard Models
Model No. **262-2000** is illustrated with rubber contact roller platen and single phase motor.
Model No. **262-2300** is furnished with 3M metal cushioned platen instead of rubber contact roller platen, and single phase motor.

In Stock Parts for 106 Machines



3" Roller
Stock No. 262-2016 • 106C, E & G
Replacement part for Somaca 106C, E & G. Roller fits front roller guide bar. Supports glass during sanding. 1968 to present.



2" Roller
Stock No. 262-1016 • 106-FB 12RP
Replacement part for Somaca 106-FB 12-RP. Fits front roller guide bar and supports glass during sanding. 1939 thru 1967.



Shoulder Screw/Grease Fitting
Stock No. 262-2017 • All Models
Shoulder screw holds front rest rollers to guide bars. For all Somaca belt machines.



Rubber Roller Replacement
Stock No. 262-2011 • 106C, E & G
Replacement part for Somaca 106C, E and G. Fits all belt sanders with a 1" platen shaft (roller only). 1968 to present.



Nozzle Holder & Spray Nozzle
Stock No. 262-1056 (Holder) All Models
Stock No. 262-1057 (Nozzle) All Models
The nozzle holder and spray nozzle fit all Somaca 106 belt machines.



Solenoid Unit
Stock No. 262-1060 • All Models
Standard solenoid unit for all belt machines since 1940. (110-120V)



Rubber Roller Assembly
Stock No. 262-1010 • 106-FB12RP
Replacement part for Somaca 106-FB 12RP. Complete assembly can be used on all belt sanders with a 1" platen shaft. 1939 thru 1967.



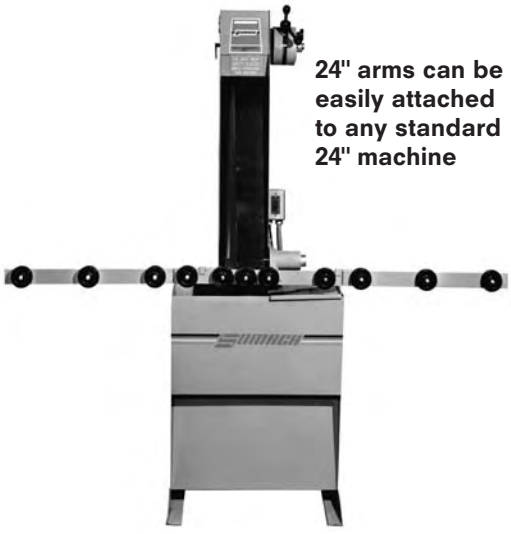
Stock No. 262-2028
Upper Pulley: Model 106C 1968 - '83
Lower Pulley: On All Models



Stock No. 262-1066
Upper Pulley: Models 106FB and 106E & G.



Eccentric and Pulley Assembly
Stock No. 262-1043 • Most Models
Controls belt tension on Somaca 106E & G belt machines. Conversion for older models, except 106-FB 12RP.



24" arms can be easily attached to any standard 24" machine

24" & 48" Glass Rest Extension Arms



24" Arms (One Pair)

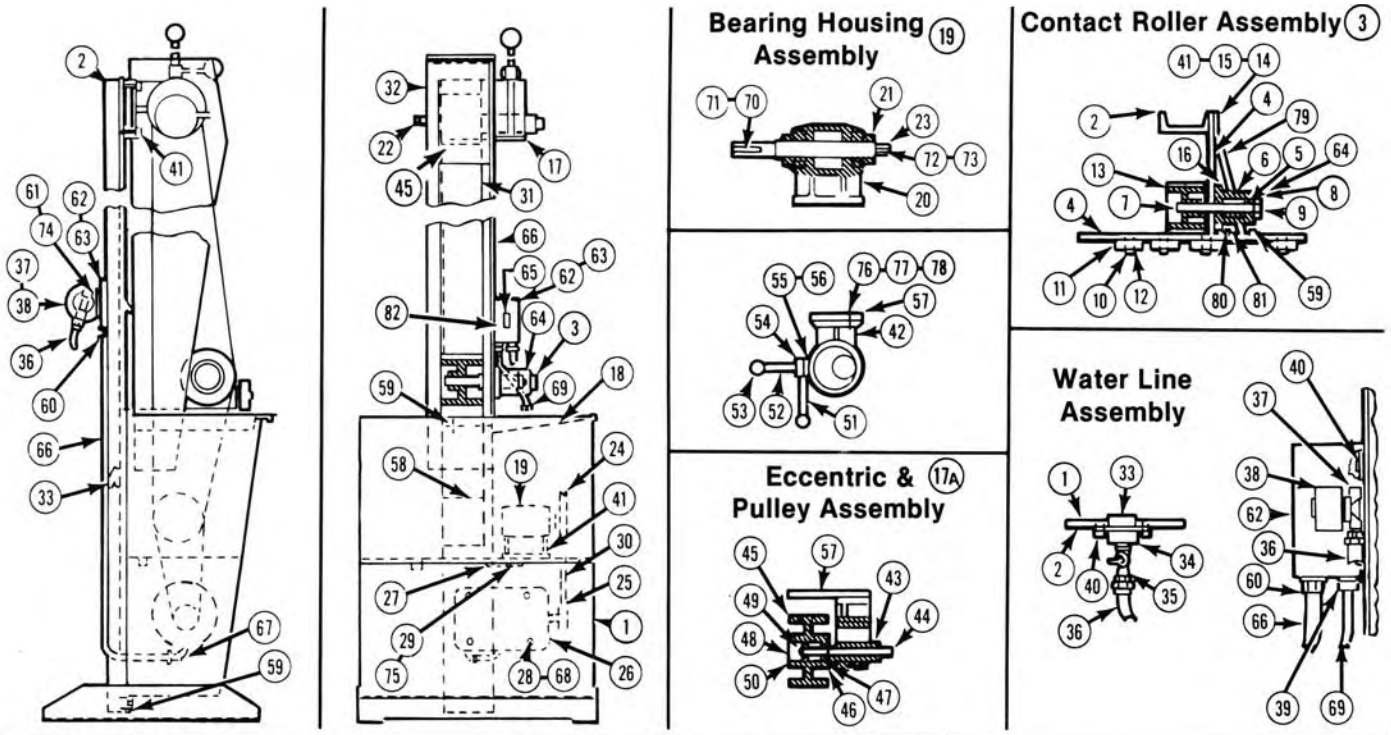


48" Extension Arm (One Piece)

The 106's rubber roller platen work surface can be increased from two to six feet (72") by the addition of two special extension arms. The glass support bar becomes long enough to work the largest pieces of glass a single operator can safely handle. The two 24" arms can be easily attached to any existing, standard 24" Somaca 106 glass platen rest bar. No hole drilling is required.

STOCK NO.	Description	UNIT PKG.
262-2024	Two 24" Extension Arms	ONE PAIR
262-1004	48" Extension Arm (One Piece)	ONE

Replacement Parts: BM-106G



BM-106G Wet Abrasive Belt Machine (1987 - Present)

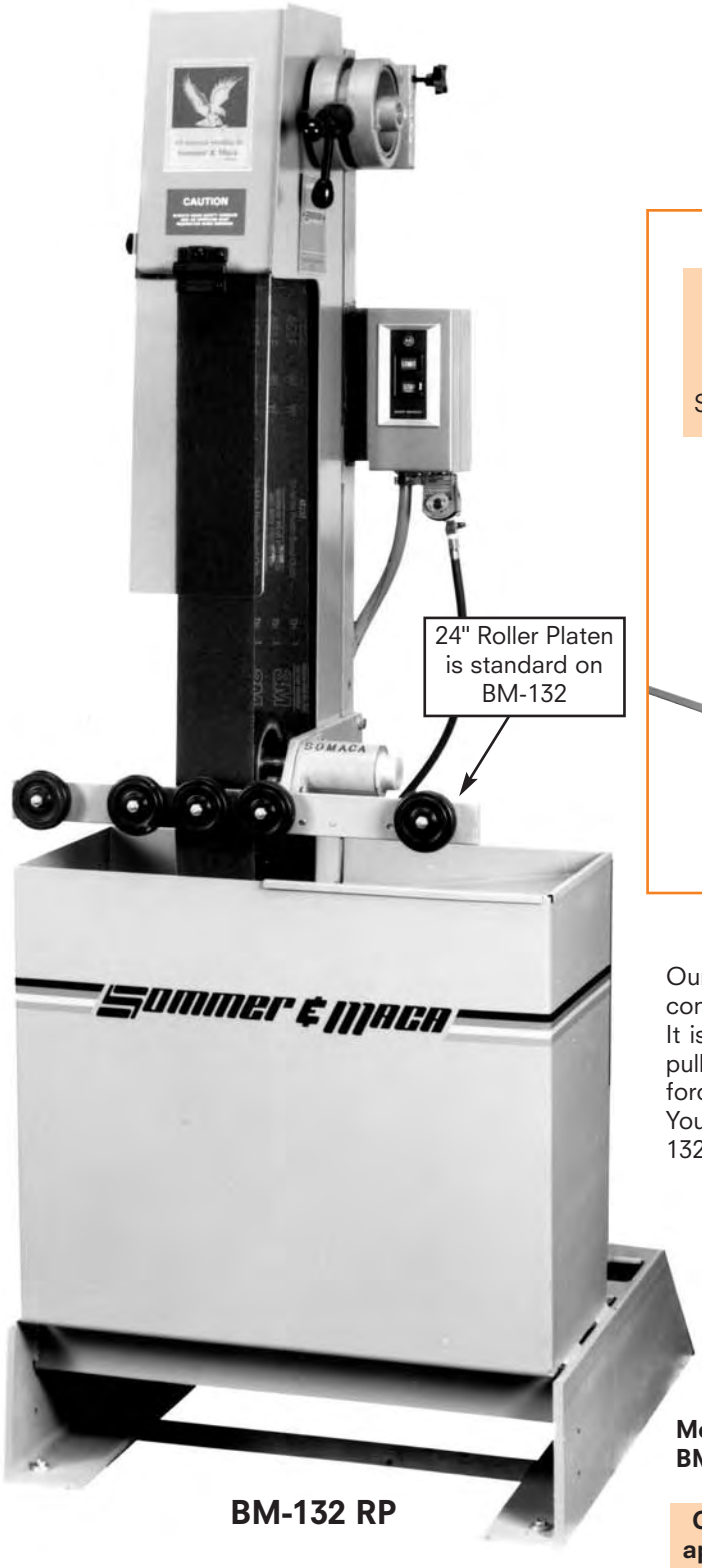
STOCK NO.	ITEM	MATERIAL	QTY.
415-7132-0	82	MOTOR STARTER OVERLOAD	1
3-78391-00	81	TIE BRACKET	1
C50-0029-0	80	5/16-18x7/8 Lg. H.H.C.S.	2
3-86985-00	79	ROLLER MTG. BRACE	1
C51-1405-6	78	1/2 STD. FLAT WASHER (BLACK OXIDE)	2
451-0061-6	77	1/2-13 JAM NUT (BLACK OXIDE)	2
450-0068-6	76	1/2-13x1-3/4 Lg. H.H.C.S. (BLACK OXIDE)	2
C51-0002-0	75	3/8-16 HEX NUT	2
C14-0345-0	74	LOCK NUT BL50	1
C50-4924-0	73	1/4-20x1/2 Lg. SET SCREW	4
3-76688-00	72	3/16x3/16x1-1/2 Lg. KEY	2
450-4887-1	71	5/16-18x1/2 Lg. SET SCREW	4
3-76687-00	70	1/4x1/4x2-1/4 KEY (FOR PULLEY)	2
C14-2800-0	69	POWER CORD, 8 FT., 14 GA, 3 Con.	1
C51-1395-0	68	FLAT WASHER 3/8	4
C14-0110-0	67	1/2x90° LIQUID TITE CONN.	1
R36-0060-0	66	1/2 SEALTITE x 40 Lg.	1
415-7201-0	65	SWITCH D.P.	1
450-7214-1	64	No. 6-32x3/16 Lg. SLOTTED RD HD ST SCREW	2
3-70286-00	63	COVER - ELEC. JUNCTION BOX	1
3-69575-00	62	JUNCTION BOX	1
114-0265-0	61	CHASE NIPPLE, CN 50-1/2	1
C14-0050-0	60	1/2 SEALTITE CONN.	1
450-0066-0	59	5/16-18x5/8 Lg. H.H.C.S.	5
3-00166-00	58	LOWER PULLEY	1
3-55865-00	57	ECCENTRIC BRACKET	1
3-55870-00	56	ECCENTRIC LOCK DISC	1
3-81287-00	55	LOCKING WASHER	1
3-55867-00	54	ECCENTRIC LOCK NUT	1
3-00171-00	53	PULLEY ADJ. HAND KNOB	2
3-55864-00	52	ECCENTRIC HANDLE	1
3-55868-00	51	ECCENTRIC LOCK HANDLE	1
C50-1846-0	50	No. 10-24x3/8 Lg. SLOT RD HD MACH. SCREW	4
C52-2956-1	49	TRU-ARC No. 5100-78 INTERNAL RETAIN. RING	1
3-00170-00	48	CLOSED COVER PLATE	1
3-01188-00	47	OPEN COVER PLATE	1
C41-3020-0	46	FAFNIR No. W204PP BRG.	2
3-01892-00	45	UPPER PULLEY	1
3-01187-02	44	ROLLER SHAFT	1
3-77477-00	43	ECCENTRIC	1
3-55862-00	42	ECCENTRIC HOUSING	1
C50-0056-0	41	3/8-16x1-1/4 Lg. H.H.C.S.	4

STOCK NO.	ITEM	MATERIAL	QTY.
450-0013-0	40	No. 10-24x5/8 Lg. H.H.C.S.	4
C14-0167-0	39	1/4 to 7/16 CORD TO 1/2 K.O. CORD CONN.	1
419-1000-0	38	SOLENOID COIL Parker GOLD RING No. CFGC05	1
419-0055-0	37	Parker GOLD RING No. OF20C-211OACF 1/4 PORT	1
C23-3060-0	36	Gates No. 119B 1/4 I.D.-1BRD.	1
C21-7851-0	35	WEATHER HEAD 6815 WATER VALVE	1
C22-0355-0	34	SPRAY SYSTEMS - SPRAY NOZZLE 1/4 LN4-1/4 FPT	1
3-00105-00	33	SPRAY NOZZLE HOLDER	1
3-86986-00	32	ECCENTRIC HOOD ASSEMBLY.	1
491-0000-0	31	No. 106x4 ABRASIVE BELT	1
C33-0308-0	30	V BELT Gates No. A31	1
C50-0058-0	29	3/8-16x1-3/4 Lg. H.H.C.S.	1
C51-0001-0	28	5/16-18 NUT	4
3-58825-00	27	SUPPORT PLATE	1
410-0502-0	26	1 HP 3600 RPM 56D FRAME 1/60/115/230	1
C32-0009-1	25	Maurey No. 2260 5/8 BORE 3/16Wx3/32 DP KWY	1
C32-0021-2	24	Maurey No AC-55 3/4 BORE 3/16Wx3/32 DP KWY	1
3-01272-02	23	SHAFT	1
C61-0803-0	22	"L" HANDLE LATCH, SouthCo No. 61-20-107-11	1
441-3060-0	21	FAFNIR No 1103KRR w/COLLAR	2
3-01897-00	20	BEARING HOUSING	1
3-00669-09	19	BEARING HOUSING ASSEMBLY	Ref.
3-55878-00	18	DRAIN PAN	1
3-81243-00	17A	ECCENTRIC & PULLEY ASSEMBLY	Ref.
161-0006-0	17B	TOGGLE CLAMP	1
C50-0030-0	16	5/16-18x1 Lg. HEX HD CP SCREW	4
C50-4924-0	15	1/4-20x1/2 Lg. SET SCREW	3
C50-0055-0	14	3/8-16x1 Lg. HEX HD CP SCREW	2
3-55858-00	13	RUBBER COVERED ROLLER	1
3-69888-03	12	SHOULDER SCREW	5
C63-0001-0	11	PAYSON No. 203062 DX, Bush/Rub Roll.	5
C64-0062-0	10	ALEMITE No. 1743B GREASE FITTING	7
3-56672-00	9	BEARING CAP	1
C41-5935-0	8	FAFNIR BRG. RA100RR SEAL	2
3-55863-00	7	ROLLER SHAFT	1
3-56182-00	6	BEARING HOUSING	1
C52-2772-1	5	Spiroloxring RR204 Series "S" Internal "Ray M Ring"	2
3-55874-00	4	ROLLER SUPPORT FRAME	1
3-55872-00	3	CONTACT ROLLER ASSEMBLY	Ref.
3-55875-00	2	MAIN SUPPORT CHANNEL	1
3-55877-00	1	BODY & STAND ASSEMBLY	1

All Replacement Parts are Ordered and Shipped from SOMACA Machinery Division, Cicero, IL

132" Abrasive Belt Machine

Wet Abrasive Belt Machine for Rough Grinding, Smoothing and Polishing Edges of Glass



BM-132 RP

Somaca 132"

For Use with 4" x 132" Belts



Our heavy duty wet abrasive 132" belt machine is designed for continuous grinding, smoothing, and polishing of glass edges. It is similar in design to the 106, but has the larger diameter pulleys, and is twice the weight because of its heavy, reinforced construction.
You'll be pleased with the hard working performance of our 132", and the years of dependable service it will give you.

Optional Equipment

A 36" x 60" travelling table assembly with extended glass rest for contact roller platen (from 24" to 48"). Shown above with Model BM-132 DRP.

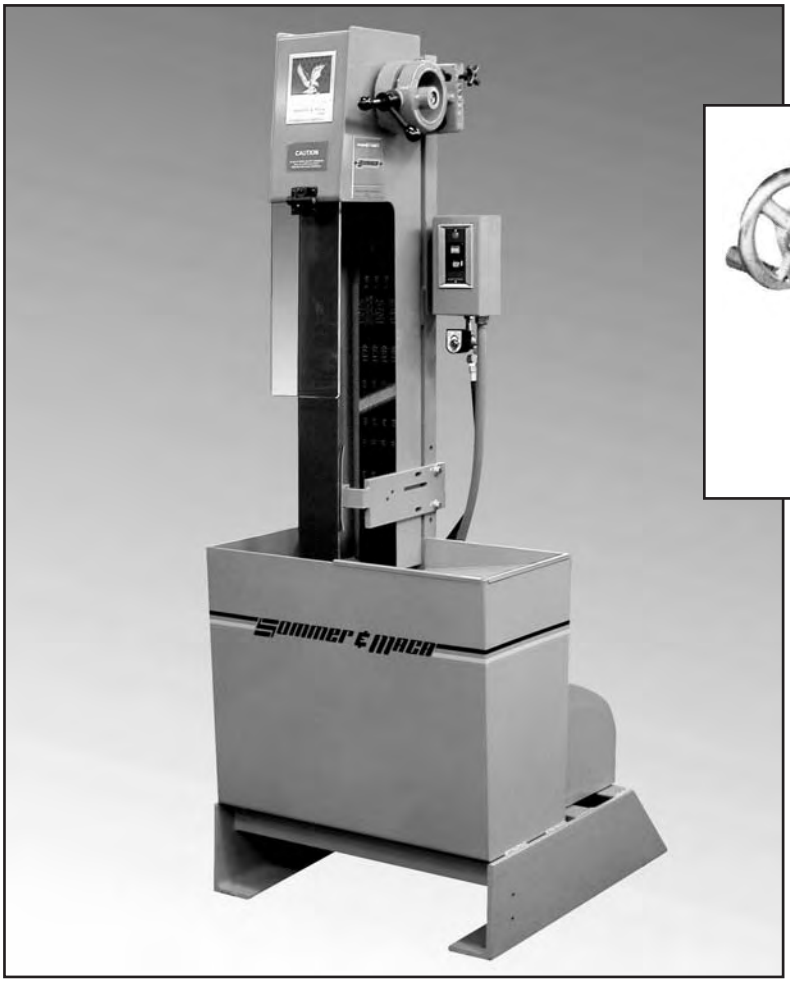
SPECIFICATIONS

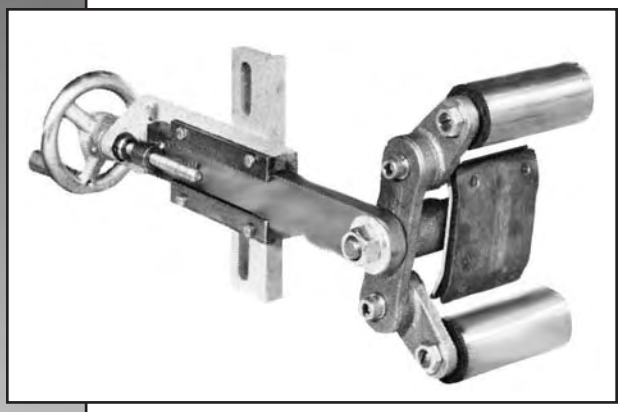
Model	Width	Depth	Height	Shipping Weight
BM-132 RP	28"	33"	74"	700 lbs.

CAUTION: When grinding, always wear eyewear and an approved glass dust respirator (No. 240-4161). One of each is provided with the machine.

132" Abrasive Belt Machine

Somaca 132" Specifications





For added flexibility, many shops order the Somaca Double Roller Platen (No. 262-1320) shown above. With it, you can manually custom edge glass.

Pictured at left is Somaca's BM-132 belt machine with a 3M Platen.

Abrasive Belts

These machines use standard 4" x 132" abrasive belts. **One 120 grit belt (No. 253-9120), one pair of safety glasses, and one approved respirator (No. 240-4161) are furnished with each machine. A safety shield is mounted to the hood.**

Frame

Structural steel angles form base; heavy gauge steel is used for rugged, welded frame enclosures.

Motor and Starter

A 1HP, 1750 RPM motor, with V-Belt drive, provides all the power for normal usage. The motor is 3 phase, 220 or 440 volts. It is wired to a manual push button starter. Please specify power requirements.

Pulleys

Both pulleys are 8" diameter, and made of machined and balanced cast iron.

Belt Tension Device

Eccentric type with locking handle and control knob for tracking the belt.

Bearings

Standard ball bearings are used throughout the drive system.

Coolant System

A water supply line with an electrical solenoid control valve and a low water consumption spray nozze (3.5 gph @ 30 psi) are included for wet grinding.

Models

BM-132 RP is furnished complete as illustrated in photo (opposite page) with the rubber contact roller platen.

106" Twin Belt Glass Seamers

Somaca Wet Twin Belt Seamer Model No. DBS-106W



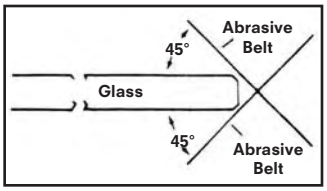
DBS-106W shown with optional 5' x 7' caster table

- Reduces Silica Dust in Atmosphere
- Lessen Chances of Burning or Chipping Glass
- Eliminates Need for Dust Collection Unit
- Grind Belts are Spaced 6 7/8" Inches Apart
- Closer belt spacing available

For Use with 4" x 106" Belts

Wet glass grinding is considered one of the safest ways to edge glass. Somaca's Wet Twin Belt Seamer features water spray manifolds that shoot a jet of water directly on the grinding belt, reducing the amount of silica dust dispensed into the atmosphere.
Wet grinding also reduces friction and heat, which can burn or chip the edges of glass. In addition to twin 3/4HP motors, each machine is furnished with belt guards, enclosures and pan, spray manifolds, two 120 grit 4" x 106" abrasive belts, a pair of safety eyewear, and a respirator. 3 phase, 60 cycle, 220/440 volt.

On Somaca's twin belt seamers, the abrasive belts are set as shown on the right. Both the top and bottom edges of glass are seamed simultaneously.



SPECIFICATIONS

MODEL	Width	Depth	Height	Floor to Belt Nip	Shipping Weight
DBS-106W	44"	48"	60"	36"	596 lbs.

Somaca Dry Twin Belt Seamer Model No. DBS-106



- Designed for Light Seaming or Swiping Edges
- Reduces Need to Clean Glass after Sanding

For Use with 4" x 106" Belts

When glass is ground dry, the need to wash the glass afterwards is usually eliminated, therefore the DBS-106 offers greater savings in the clean-up operation.
It is strongly recommended that a dust collector unit be used to minimize the amount of glass dust allowed into the air during grinding.
The DBS-106 is shown above with the optional dust collection unit. The DBS-106 comes with two 3/4HP, 3 phase, 60 cycle, 220 volt, belt driven motors, wired to push button manual starters, and two 4" x 106" 120 grit abrasive belts, a pair of safety glasses, and a respirator.

Optional Equipment

Glass Rest: Five rubber wheels, 3" in diameter, set on axles with grease fittings. Load bearing rest is 24" long.
Dust Collector Unit: Self-contained, high powered 1HP unit vacuum draws glass dust particles from work area.
Swivel Ball Caster Table: Manipulates glass in any position without burden to the operator. Specify size of table required. Ball casters allow easy positioning of glass at all times.
Abrasive Belt Air Take-Up: Provides pneumatic belt tension to keep belts taut for even wear, and optimum grinding performance. It also allows for a quick belt change by merely releasing air pressure.

SPECIFICATIONS

MODEL	Width	Depth	Height	Floor to Belt Nip	Shipping Weight
DBS-106	44"	48"	60"	36"	596 lbs.

CAUTION: When grinding, always wear safety eyewear and an approved glass dust respirator (No. 240-4161).

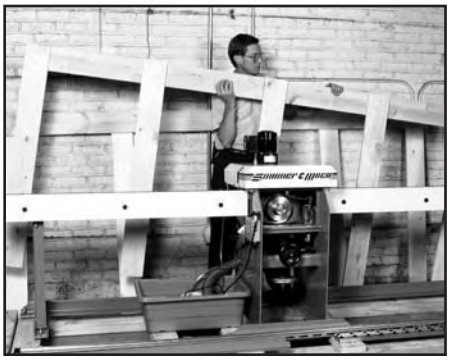
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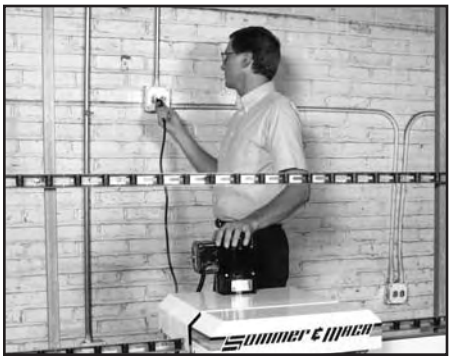
crlaurence.com
usalum.com
columbiamfg.com
(800) 421-6144

VE-1P Economy Edger

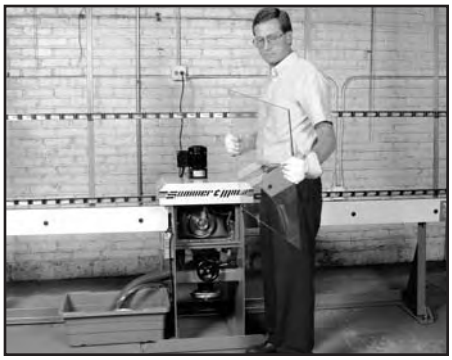
Simple 1, 2, 3 Set-Up with the VE-1P



1. Quick Uncrating.



2. Plug Into 110V Outlet.



3. Put It to Work!

Somaca's VE-1P is simple to operate. Just push the glass into the roller/belt conveyor to edge the glass. Forget about time consuming wheel changeovers typically required on competitive edging machines. With the VE-1P, two wheels can be placed on the spindle, such as a 1/4" flat & seam and 1/2" pencil, so you can quickly reposition from one wheel size to the next.

Specifications VE-1P

Capacities

Glass Thickness . . . 1/8" to 1/2."
Minimum Size . . . 4" tall x 12" long (edged side must be a minimum of 12" in length).
Maximum Glass Weight . . . 250 lbs.
Conveyor Speed . . . Adjustable from 0 - 66" inches per minute.

Wheel Stations

Spindle . . . 1HP, 3600 RPM Spindle Motor
Hub . . . Capacity to hold two (2) wheels simultaneously - 7" diamond grinding and 7-1/4" or 8" polishing wheel.

Controls

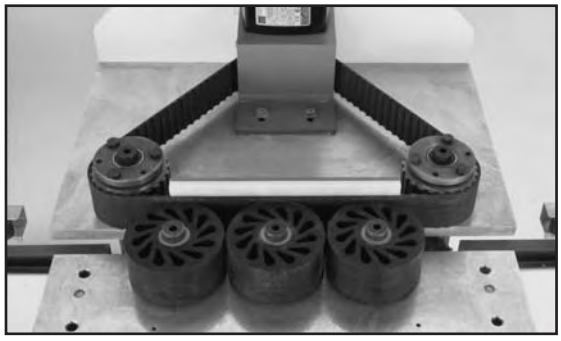
All electrical controls are located in machine mounted switch boxes. Built to OSHA requirements, utilizing CE, CSA & UL Certified components.
Wiring for 1 phase, 60 cycle, 110V power.
No power inverters, converters or industrial type electrical source is needed.
Can also be wired on request for 220V and 50 hertz.

Wheels

Diamond Wheel . . . One (1) 7" x 1/8" - 1/4" Diamond wheel is included.
Polish Wheel . . . One (1) 7-1/4" x 3/4" wide Somaca Orange wheel is included.
The VE-1P will also produce flat & seam, miter and pencil edging on glass up to 1/2" thick with optional diamond wheels.

Utilities

Electrical . . . three motors, total 1-1/6HP.
Voltage . . . 1 phase, 60 cycle, 110 volt power.
Power . . . 13.8 amps.



VE-1P Conveyor Assembly

Weight and Dimensions

Shipping Weight . . . approximately 1000 lbs.
Dimensions . . . 31" wide x 10' long x 81" high.
Conveyor Height . . . 28-1/2".

Optional

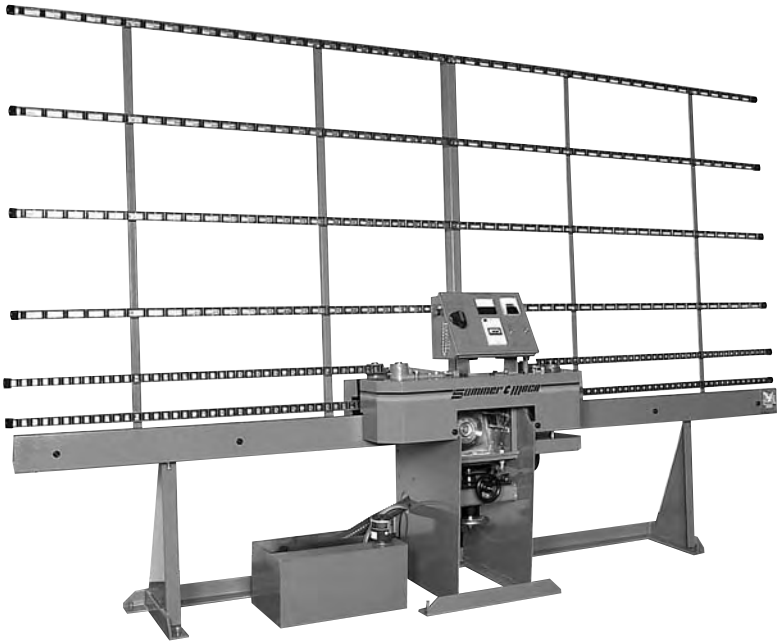
- Additional Back Roller Rails **3-96667-00** (machine equipped with 4 rails as standard).
- Dial Indicator Positioning System **3-97000-00**.



Optional Dial Indicator Positioning System

VE-A-1 Heavy Duty Edger

VE-A-1 Automatic Heavy Duty Edger



3-Phase, 208 or 230V Processes Glass at 100 Inches Per Minute

Sommer & Maca's heavy duty VE-A-1 allows you to process glass 51% faster than the VE-1-P. The VE-A-1 uses the same heavy duty glass gripper system as the larger VE-2+2, 2-Spindle Edger. The operator simply pushes the glass into the flexible gripper conveyor and it is smoothly pulled over the wheel. A digital ammeter easily lets you monitor the wheel pressure against the glass.
With the VE-A-1 you can process glass from 1/8" to 1/2" thick at 100" per minute. Pencil edges, miter and flat and seam are all possible.

Specifications VE-A-1

Capacities

Glass Thickness . . . 1/8" to 1/2".
Minimum Size . . . 4" tall x 4-1/2".
Maximum Glass Weight . . . 250 lbs.

Wheel Stations

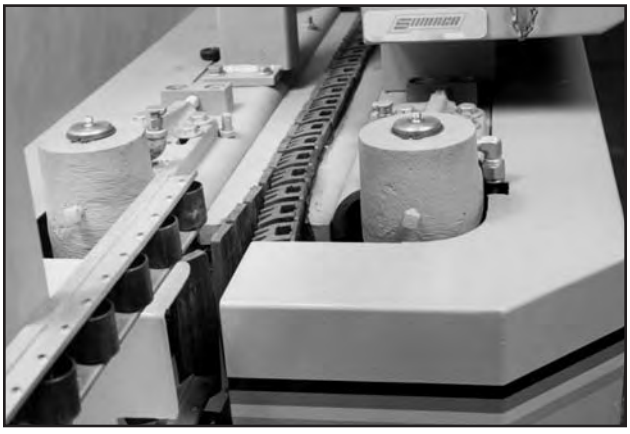
Spindle . . . 3HP, 3600 RPM Spindle Motor
Hub . . . Capacity to hold two (2) wheels simultaneously
- 7" diamond grinding, and a 7-1/4" or 8" polishing wheel.

Controls

All controls, including motor starter, are enclosed in a machine mounted electrical control panel built to OSHA specifications and UL approval.
Load indicating ammeter is furnished for the spindle.
Wiring for 3 phase, 60 cycle, 208 or 230 volts.

Wheels

VE-A-1 can be furnished with a 7" diamond wheel for pencil, flat and seam, or mitered profiles. For a high luster finish after diamond grinding, a 7-1/4" or 8" polishing wheel can be interchanged with the diamond wheel. No wheels are included with the VE-A-1 Edger.



VE-A-1 Conveyor Assembly

Utilities

Electrical . . . three motors, total 3.8HP.
Voltage . . . 3 phase, 60 cycle, 208 or 230 volt power.
Power . . . 15 amps.

Weight and Dimensions

Shipping Weight . . . approximately 1000 lbs.
Dimensions . . . 31" wide x 10' long x 81" high.
Conveyor Height . . . 28-1/2."

Optional

Single phase 220 volt machine may be special ordered.

Somaca I Spindle Peripheral Edger Wheels

Model VE-1P

PART NO.	Type	Dimensions	Grit
3-64432-13	Pencil Edge for 1/8″ to 1/4″ Glass	7″	140 - 170
3-68810-12	Pencil Edge for 3/16″ to 3/8″ Glass	7″	140 - 170
3-84049-09	Pencil Edge for 1/4″ to 1/2″ Glass	7″	140 - 170
3-85335-10	Flat & Seam Edge 1/8″ to 1/4″ Glass	7″	140 - 170
3-83869-09	Flat & Seam Edge 3/16″ to 3/8″ Glass	7″	140 - 170
3-85175-03	Flat & Seam Edge 1/4″ to 1/2″ Glass	7″	140 - 170
3-96660-00	Somaca Orange Polish 1/8″ to 1/2″ Glass	7 1/4″ x 3/4″	120

DRESSING PLATES

PART NO.	Type	Dimensions	Grit
462-0558-0	1/4″ Board	8″ x 6″	100
462-0588-1	3/8″ Board	8″ x 6″	120
462-0588-2	1/2″ Board	8″ x 6″	100

Model VE-A-1 & VE-M-1

PART NO.	Type	Dimensions	Grit
3-64432-05	Pencil Edge for 1/8″ to 1/4″ Glass	7″	170 - 200
3-68810-01	Pencil Edge for 3/16″ to 3/8″ Glass	7″	120 - 140
3-84049-01	Pencil Edge for 1/4″ to 1/2″ Glass	7″	120 - 140
3-85335-00	Flat & Seam Edge 1/8″ to 1/4″ Glass	7″	170 - 200
3-83869-01	Flat & Seam Edge 3/16″ to 3/8″ Glass	7″	120 - 140
3-87097-01	Flat & Seam Edge 1/4″ to 1/2″ Glass	7″	120 - 140
3-86778-02	30 Degree Mitering	7″	140
3-95799-01	Somaca Orange Polish 1/8″ to 1/2″ Glass	8″ x 3/4″	120
3-95799-02	Somaca Orange Polish Double Wide	8″ x 1-3/16″	120
374-0120	Economy Rubber Polish 1/4″ x 1/2″ Glass	8″ x 3/4″	120

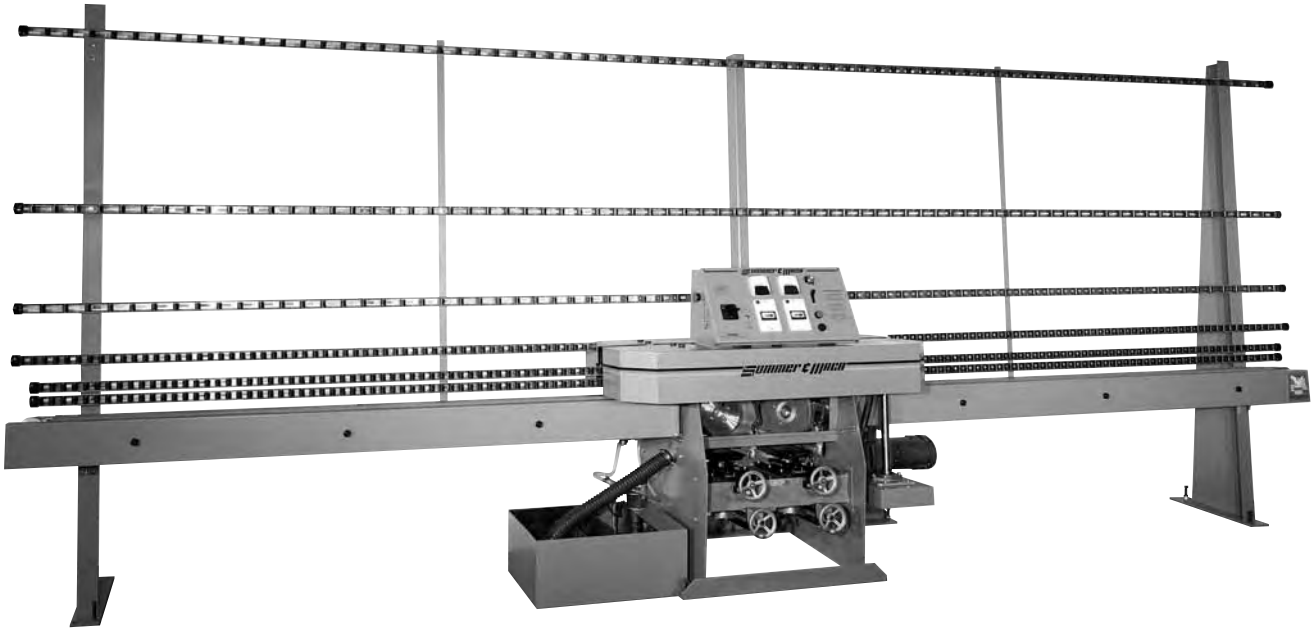
DRESSING PLATES

PART NO.	Type	Dimensions	Grit
462-0558-0	1/4″ Board	8″ x 6″	100
462-0588-1	3/8″ Board	8″ x 6″	120
452-0588-2	1/2″ Board	8″ x 6″	100

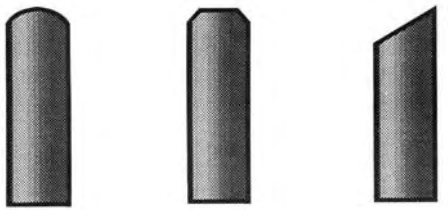
VE-2 Plus 2 Vertical Glass Edger

Somaca "VE-2 Plus 2" Two Spindle Vertical Edger

The Most Popular Grinder/Polisher in the World!
Over 500 In Use Daily!



Two Spindles with Two Wheels on Each Spindle



Pencil Edge **Flat & Seam** **Miter**

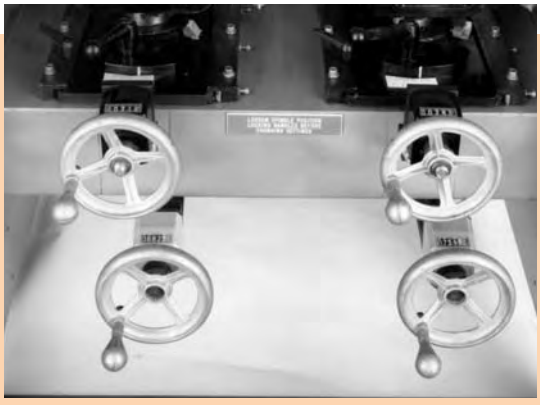
Accepts and Processes Glass
from 1/8" to 1/2"
at Speeds up to 100" (254cm) per Minute!

Almost Like Having a Four Spindle Machine for the Price of a Two!

Sommer & Maca's "VE-2 Plus 2" gives you added edging capability never before attainable with a two spindle edger.

The "VE-2 Plus 2" allows you to place two wheels on each spindle. If, for example, most of your production work consists of 1/4" flat and seam, and 1/2" pencil edge, both these wheels can be put on the first spindle. This means you can move from one size, or edge configuration to the next by just using the dials and gauges on the front of the machine. You don't have to do a complete wheel change-over. You gain a tremendous savings in labor and production time.

To position wheels on the VE-2 Plus 2, use the digital position readout at each spindle for quick and accurate setup.



Easy to see digital position readouts.

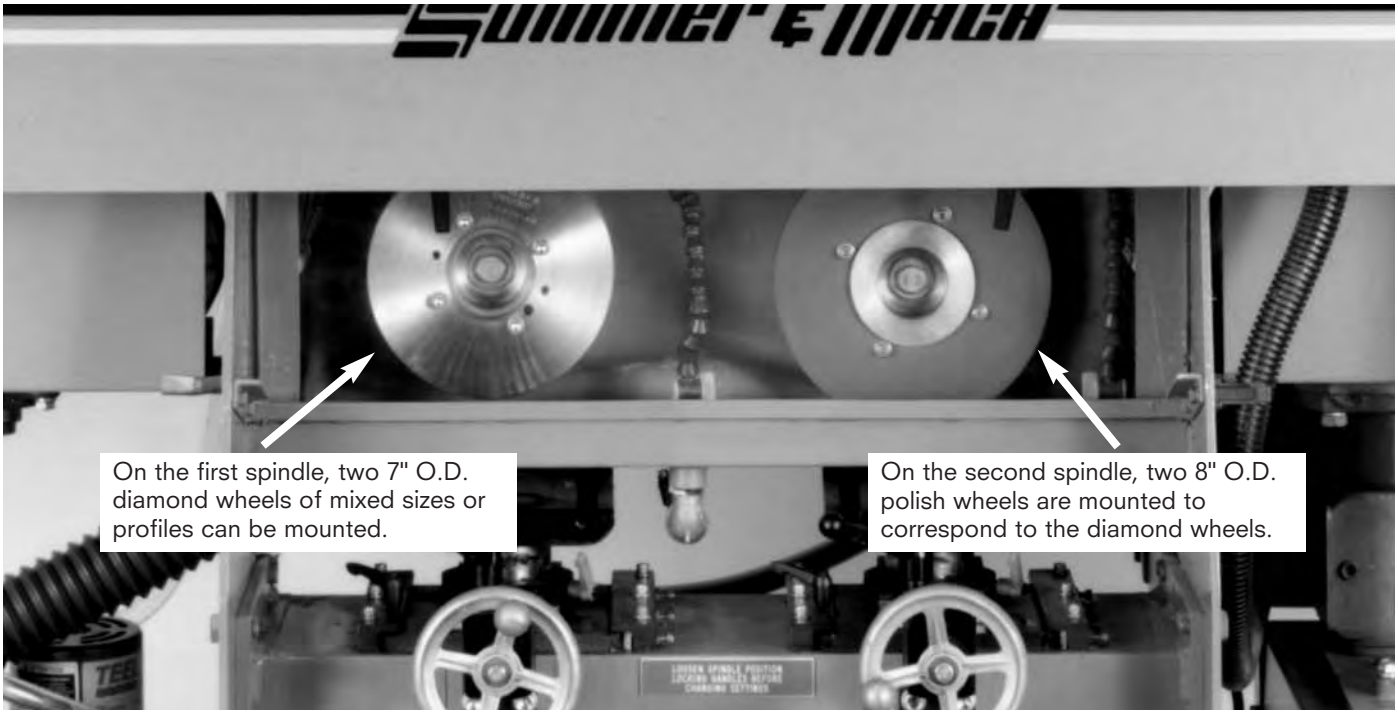
When you have to change wheels, all your work can be done from the front of the machine. Once again, this saves you labor time.

The "VE-2 Plus 2" is ideal for the small to medium size glass shop that needs machine quality edges, but lacks the production to justify a larger machine. It's a compact machine, and is designed to edge the most common range of glass thicknesses and sizes.

In fact, Somaca's "VE-2 Plus 2" is almost like having a four spindle machine for the price of a two.

VE-2 Plus 2 Vertical Glass Edger

All Wheel Adjustments Are Done From the Front of the Machine



"VE-2 Plus 2" Specifications

Capacity

Glass from 1/8" to 1/2" thickness, and from 3-1/2" in length can be processed. Maximum glass weight is 250 lbs. Two inch wide strips over 24" long can also be processed. The machine will produce a polished edge at speeds up to 100" per minute.

Wheel Stations

The edger station is equipped with one 3HP, 3600 RPM spindle assembly, and a mounting hub for 7" diamond wheels. Coolant is recirculated from an auxiliary tank. The main conveyor is variable in speed from 0" to 100" per minute by means of a D.C. gear motor.

Conveyor System

The glass is conveyed over the wheels by means of a flexible pad conveyor. Seven foot entry/exit conveyors easily support your 100" mirrors. The front conveyor pads automatically adjust to the thickness of the glass.

Wheel Adjustment

All wheel adjustments are located on the front of the machine. The wheels move up or down by using the lower graduated handwheel. One turn of the handle is .01 of an inch. The upper scale moves the wheel in or out. One turn of the handle equals .042 of an inch. Both scales are digital, enabling the machine operator to quickly return to previously used settings.

Controls

All controls, including motor starters are enclosed in a machine mounted electrical control panel built to meet OSHA requirements, and UL approval. Load indicating ammeters are furnished for spindles. Wiring for 3 phase, 60 cycle, 208 or 230 volts. Single phase, 220V machine may be used with the optional phase converter.

Wheels

Uses a 7" O.D. diamond wheel, and 8" O.D. polishing wheel (not furnished with machine) for 1/8" to 1/2" glass. Two wheels can be installed on each spindle.

Utilities

Electrical: four motors, total 5.8 HP, for 3 phase, 60 cycle, 230 volt power. Uses 25 amps.

Optional

Single phase power converter. Extension racks.

Model	Width	Depth	Height	Shipping Weight	Conveyor Height
VE-2 Plus 2	18.5'	31"	88"	1,800 lbs.	28.5"

Somaca 2 Spindle Peripheral Edger Wheels

MODEL VE-2 & VE-2+2

PART NO.	Type	Dimensions	Grit
3-64432-05	Pencil Edge for 1/8″ to 1/4″ Glass	7″	170 - 200
3-68810-05	Pencil Edge for 3/16″ to 3/8″ Glass	7″	170 - 200
3-84049-00	Pencil Edge for 1/4″ to 1/2″ Glass	7″	170 - 200
3-85335-00	Flat & Seam Edge 1/8″ to 1/4″ Glass	7″	170 - 200
3-96172-00	Flat & Small Seam Edge for 1/4″ Glass	7″	170 - 200
3-83869-00	Flat & Seam Edge 3/16″ to 3/8″ Glass	7″	170 - 200
3-87097-00	Flat & Seam Edge 1/4 to 1/2 Glass	7″	170 - 200
3-85175-00	Flat & Small Seam Edge for 1/2″ Glass	7″	170 - 200
3-84291-00	Flat & Medium Seam Edge for 1/2″ Glass	7″	170 - 200
3-86778-02	30 Degree Mitering	7″	140

Polish Wheels for VE-2, and VE-2+2 (3 1/2" I.D.)

PART NO.	Type	Dimensions	Grit
3-95798-01	Somaca Orange Polish 1/8″ to 1/2″ Glass	8″ x 3/4″	120
3-95798-02	Somaca Orange Polish Double Wide	8″ x 1-3/16″	120
376-5120	Economy Rubber Polish 1/4″ to 3/8″ Glass	8″ x 9/16″	120
376-6120	Economy Rubber Polish 1/4″ to 1/2″ Glass	8″ x 3/4″	120

Polish Wheels for ME-II (2 1/2" I.D.)

PART NO.	Type	Dimensions	Grit
3-95799-01	Somaca Orange Polish 1/8″ to 1/2″ Glass	8″ x 3/4″	120
3-95799-02	Somaca Orange Polish Double Wide	8″ x 1-3/16″	120
374-5120	Economy Rubber Polish 1/4″ to 3/8″ Glass	8″ x 9/16″	120
374-6120	Economy Rubber Polish 1/4″ to 1/2″ Glass	8″ x 3/4″	120

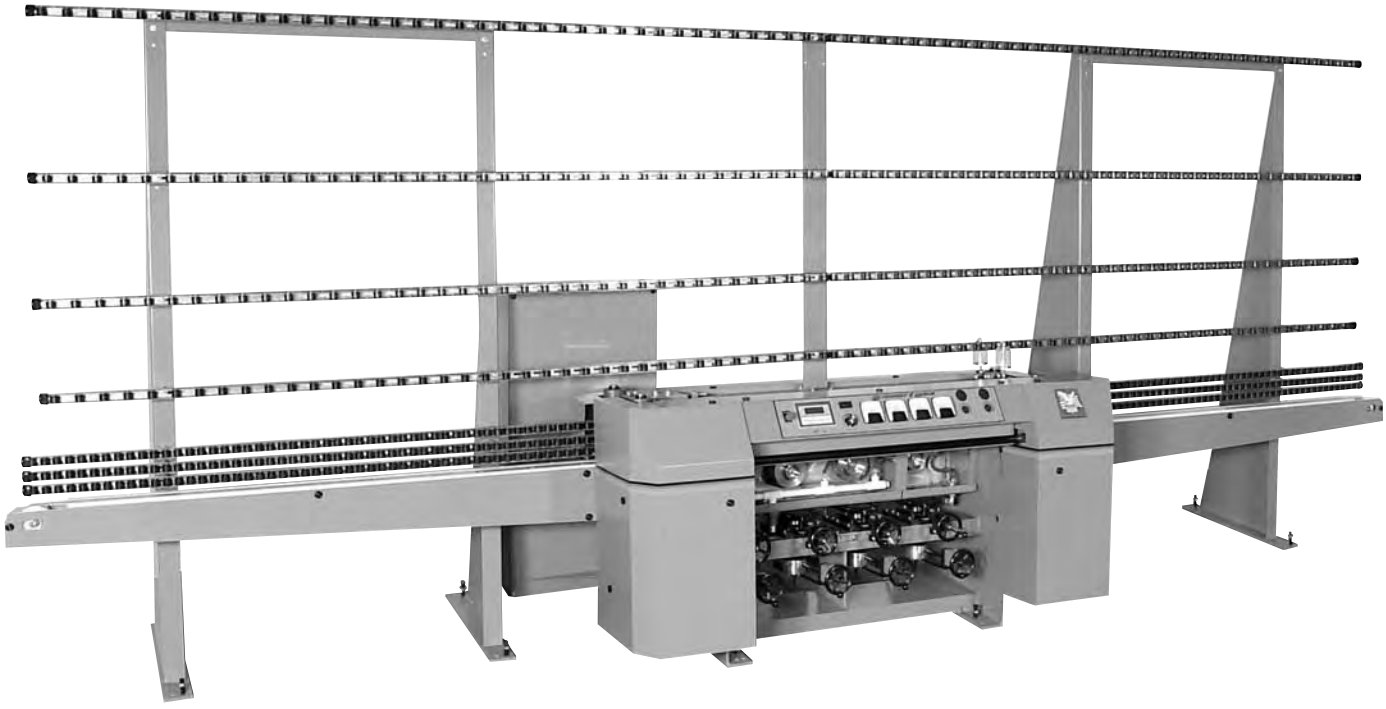
Dressing Plates

PART NO.	Type	Dimensions	Grit
462-0558-0	1/4″ Board	8″ x 6″	100
462-0588-1	3/8″ Board	8″ x 6″	120
452-0588-2	1/2″ Board	8″ x 6″	100

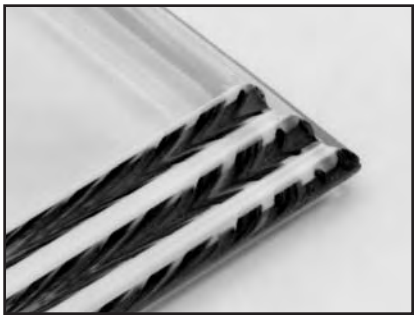
VE-4 Automatic Vertical Glass Edger

Somaca VE-4 Four Spindle Vertical Edger

One Touch Start for Glass Sizes 1/8" to 1" Thick
Produces a Polished Edge at 376" (9.5m) per Minute!



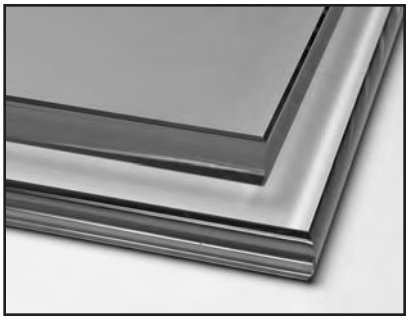
Four Spindles With Two Wheels On Each Spindle
Optional Cerium Oxide Polishing System for High Luster Edge Finish



The new and popular waterfall edge in one pass.



An O.G. edge processed for a glass table top.



Flat and seam and pencil edge-work from the VE-4.

For years, Sommer & Maca's VE-4 Vertical Edger has been acclaimed the finest edger on the market - capable of producing the amazing waterfall profile as well as a high quality O.G. edge in a single pass.

Now, Somaca has improved the VE-4 Automatic Edger. One push of the button starts all machine functions. Another button automatically adjusts conveyor width for all glass thicknesses from 1/8" to 1". Conveyor height is only 29-1/2" for easy handling of heavy glass.

All machine functions on the VE-4 are now operated by a PLC control interace. At a glance the operator can read spindle amperage, conveyor load and conveyor speed. To simplify wheel changeovers when necessary, the spindles and all adjustments are located in front of the machine. Digital position readouts at each spindle allow the operator to quickly set-up for the next production order without guesswork.

There are two run-time meters: one is resettable, and tells you the exact job production time; the other meter tells you the total run-time for maintenance scheduling. There is also a resettable length meter reading in English or metric. This meter tells you the exact number of inches you have run for your current job.

VE-4 Automatic Vertical Glass Edger

Easy to Use Controls

Technical Data

Capacity:

- Accepts glass thickness from 1/8" to 1" from a minimum size of 4" x 4", or 2" strips over 12" long.
- Maximum glass weight 1200 lbs.
- Somaca rubber-covered pad conveyor and variable speed A.C. gear motor drive carries the glass at speeds from 0 to 376" per minute.

Grinding/ Polishing Wheels:

- Furnished with four heavy duty Somaca precision edging spindle motors, equipped with digital height adjustment for setting depth of cut and angular adjustment for various glass thicknesses.
- Diamond wheel coolant from supplied tank is fed to wheels by 1/4HP immersion pump.
- Wheel changes and adjustments are from the front of the machine.

Machine Specifications

Wheels:

- Two 7" O.D. x 2-1/2" I.D. diamond wheels, or two 8" polishing wheels can be used on each spindle.

Utilities:

- Electrical: Six motors, total 13-1/4HP, 70 amp service @ 230V power.
- Water: Minimum consumption - limited to drag-out loss from coolant tank.
- Air: Compressed air only required with optional polish spindle air assist. 80 PSI @ 1 CFM.

Controls:

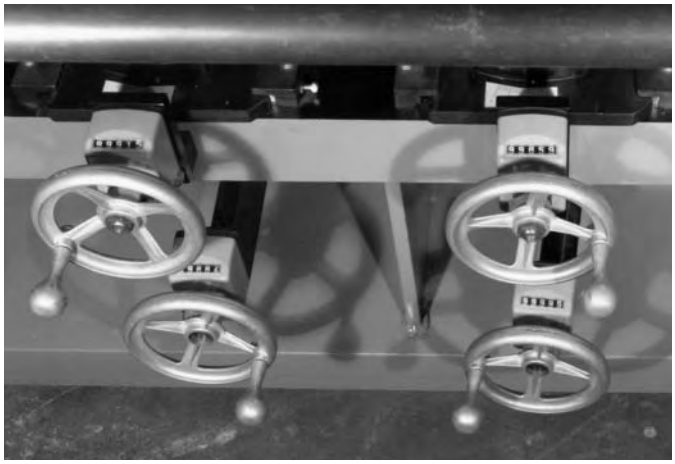
- All controls, including motor starters, enclosed in a machine-mounted electrical control panel.
- Large analog ammeters furnished for spindles.
- Wire for 3 phase power, 50 or 60 cycle power, and any voltage.

Optional Features

- Pneumatically assisted polish spindle adjustment for constant pressure between the glass and polish wheel.
- Cerium oxide high luster polishing system.
- Vertical extension rack for edging large lites of glass.
- Run Time Meters.



Visual Operator Station with a PLC machine control and large ammeters. Optional Air pressure controls for the polishing stations are also located on this operator station.



Digital position readouts for each spindle for a quick set-up.



Solid vulcanized rubber conveyor clamp pads, front and rear, for positive holding of glass.

Model	Width	Depth	Height	Shipping Weight	Conveyor Height
VE-4	20'6"	5'	7'6"	4,200 lbs.	29-1/2"

Somaca 4 Spindle Peripheral Edger Wheels

Model VE-4 Grinding Wheels

PART NO.	Type	Dimensions	Grit
3-64432-01	Pencil Edge for 1/8" to 1/4" Glass	7"	120 - 140
3-64432-05	Pencil Edge for 1/8" to 1/4" Glass	7"	170 - 200
3-68810-01	Pencil Edge for 3/16" to 3/8" Glass	7"	140 - 170
3-68810-05	Pencil Edge for 3/16" to 3/8" Glass	7"	170 - 200
3-84049-01	Pencil Edge for 1/4" to 1/2" Glass	7"	120 - 140
3-84049-00	Pencil Edge for 1/4" to 1/2" Glass	7"	170 - 200
3-86858-02	Pencil Edge for 1/2" to 3/4" Glass	7"	120 - 140
3-86858-03	Pencil Edge for 1/2" to 3/4" Glass	7"	240 - 270
3-85335-00	Flat & Seam Edge for 1/8" to 1/4" Glass	7"	170 - 200
3-85335-03	Flat & Seam Edge for 1/8" to 1/4" Glass	7"	240 - 270
3-96172-01	Flat & Small Seam Edge for 1/4" Glass	7"	140 - 170
3-96172-00	Flat & Small Seam Edge for 1/4" Glass	7"	170 - 200
3-83869-00	Flat & Seam Edge for 3/16" to 3/8" Glass	7"	170 - 200
3-83869-02	Flat & Seam Edge for 3/16" to 3/8" Glass	7"	240 - 270
3-87097-01	Flat & Seam Edge for 1/4" to 1/2" Glass	7"	120 - 140
3-87097-00	Flat & Seam Edge for 1/4" to 1/2" Glass	7"	170 - 200
3-85175-04	Flat & Small Seam Edge for 1/2" Glass	7"	170 - 200
3-85175-05	Flat & Small Seam Edge for 1/2" Glass	7"	240 - 270
3-86859-02	Flat & Seam Edge for 1/2" to 3/4" Glass	7"	120 - 140
3-86859-05	Flat & Seam Edge for 1/2" to 3/4" Glass	7"	270 - 325
3-87057-01	*Flat Edge Only for 3/4" Glass	7"	170 - 200
3-87058-03	*Flat Edge Only for 3/4" Glass	7"	240 - 270
3-87057-00	*Arris (Seam) Plate for 3/4" Flat Glass *Use 2 Arris Seam Plates w/Flat Edge Wheel	7-1/2"	230
3-87481-01	O.G. Edge for 3/8" to 1/2" Glass	7"	80
3-87481-03	O.G. Edge for 3/8" to 1/2" Glass	7"	270
3-87480-01	O.G. Edge for 1/2" to 3/4" Glass	7"	80
3-87480-03	O.G. Edge for 1/2" to 3/4" Glass	7"	270
3-86778-02	30 Degree Mitering	7"	140
3-97175-01	**Cup wheel for VE-4+1, Pos #4**	**7"**	**40-50 micron**

Model VE-4 Polishing Wheels

PART NO.	Type	Dimensions	Grit
3-95798-01	Somaca Orange Polish 1/8" to 1/2" Glass	8" x 3/4"	120
3-95798-02	Somaca Orange Polish 1/8" to 3/4" Glass	8" x 1-3/16" Glass	120
3-87794-01	1/4" to 3/4" Glass Polish/Spindle 3	8"	9R
3-87739-04	3/8" to 3/4" Glass Polish/Spindle 3	8"	Red Clay
376-5120	Economy Rubber Polish 1/4" to 3/8" Glass	8" x 9/16"	120
376-6120	Economy Rubber Polish 1/4" to 1/2" Glass	8" x 3/4"	120
376-7120	Economy Rubber Polish 1/4" to 3/4" Glass	8" x 1"	120
376-8120	Economy Rubber Polish 1/4" to 1 Glass	8" x 1-3/16"	120
3-87470-01	1/8" to 1/2" Glass Polish/Spindle 4	8" x 1"	PPG White
3-87470-02	3/8" to 3/4" Glass Polish/Spindle 4	8" x 1-1/2"	PPG White
3-88052-00	Felt Glass Polish/Spindle 4 (Use with Cerium)	8" x 1-1/4"	Felt
376-5180	Economy Rubber Polish 1/4" to 3/8" Glass	8" x 9/16"	180
376-5400	Economy Rubber Polish 1/4" to 3/8" Glass	8 x 9/16"	400
376-6180	Economy Rubber Polish 1/4" to 1/2" Glass	8" x 3/4"	180
376-6400	Economy Rubber Polish 1/4" to 1/2" Glass	8" x 3/4"	400
376-7180	Economy Rubber Polish 1/4" to 3/4" Glass	8" x 1"	180
376-7400	Economy Rubber Polish 1/4" to 3/4" Glass	8" x 1"	400
376-8180	Economy Rubber Polish 1/4" to 1" Glass	8" x 1-3/16"	180
376-8400	Economy Rubber Polish 1/4" to 1" Glass	8" x 1-3/16"	400

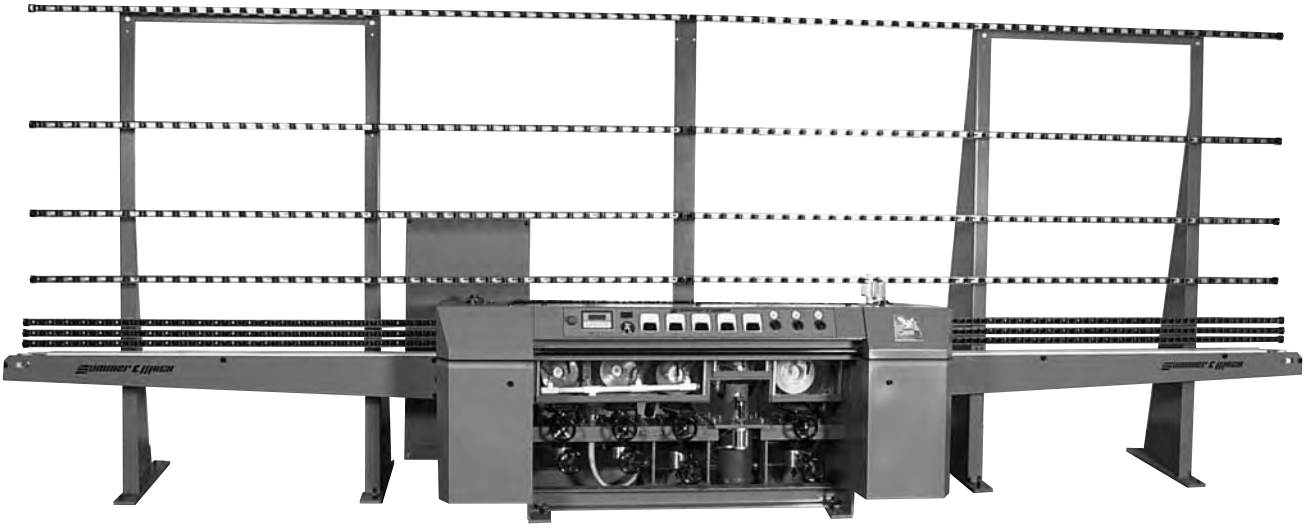
Dressing Plates

Factory No.	Type	Dimensions	Grit
462-0588-0	1/4" Board	8" x 6"	100
462-0588-1	3/8" Board	8" x 6"	120
452-0588-2	1/2" Board	8" x 6"	100
452-0588-3	3/4" Board	8" x 6"	120

VE-4 Plus I Automatic Vertical Glass Edger

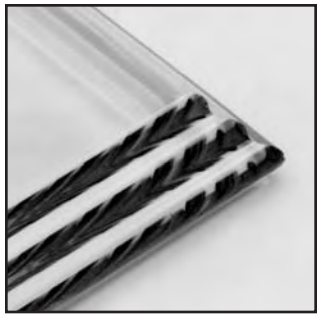
Somaca VE-4+1 Five Spindle Vertical Edger

Combination Edger uses four peripheral wheels and one cup wheel to produce beautiful Flat & Seam to Intricate Waterfall Edges on glass up to 1" thick



Space Saving Design Produces the Ultimate Finish on All Edge Profiles

- **Four Peripheral Wheel Spindles with Two Wheels Each Spindle**
- **One Cup Wheel Spindle to Cross Cut on Flat & Seam Edgework**
- **Cerium Oxide Polishing System for High Luster Edge Finish Included**



The popular waterfall edge produced in one pass



An O.G. edge processed for a glass table top



Optical Quality Cerium Polished Flat & Seam Edges

Sommer & Maca's VE-4+1 produces premium edgework on 1/8" to 1" thick glass. There are four peripheral wheels that produce a highly polished edge at speeds to 376" per minute. A cup wheel is used to create a flawless, high clarity, cerium polished "Flat & Seam" edge.

When combining the two types of edging machines a fabrication shop can offer the largest variety of premium quality edgework, while saving at least 100 sq. ft. of factory floor space. The recirculated cerium polish system is standard equipment . No need to buy the expensive, fast wearing cerium-filled polish wheels.

To simplify operation the VE-4+1 has all machine adjustments on the front of the machine.

The machine control center is designed as a Visual Operator Station. A large PLC interface displays the current control settings for the machine. With a touch of a button you can easily select which spindles to operate, glass thickness, conveyor speed and the coolant systems.

Additional information screens display a resettable run-time meter and a glass length counter to calculate production costs. There is also a permanent run-time meter for maintenance scheduling.

Also located on the Visual Operator Station are large easy to read ammeters for monitoring the machine performance, as well as air pressure gauges and regulators to control the polishing spindles.

Just below the Operator Station, large access doors on the front side of the spray compartments make it easy to change wheels. Digital position readouts on each peripheral spindle allow the operator to quickly set-up for the next production order without guesswork.

VE-4 Plus I Automatic Vertical Glass Edger

Easy to Use Controls



All Gauges, Meters and Controls
Are Located Up Front to Simplify Operation

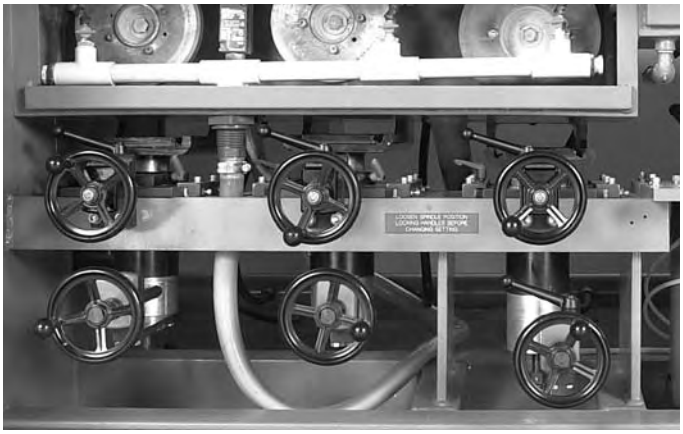
TECHNICAL DATA

Capacity:

- Accepts glass thickness from 1/8" to 1", from a minimum size of 4" x 4", or 2" strips over 12" long.
- Maximum glass weight 1200 lbs.
- Somaca rubber covered pad conveyor and variable speed AC gear motor drive carries the glass at speeds from 0 to 376" per minute.

Grinding Polishing Wheels:

- Furnished with five heavy duty Somaca precision edging spindle motors. Grind spindles equipped with digital height adjustment for setting depth of cut. Peripheral spindles also equipped with angular adjustment for glass thickness.
- Diamond wheel coolant solution from supplied tank is fed to final felt polish wheel by 1/2HP immersion pump.
- All wheel adjustments from the front of the machine.



Digital position readouts for each spindle allow for a quick set-up.

MACHINE SPECIFICATIONS

Wheels:

- Peripheral Wheels - Two 7" OD x 2-1/2" I.D. diamond wheels or two 8" diameter polishing wheels can be used on each spindle.
- Cup Wheel - One 6" diameter diamond smoothing wheel for use when producing "Flat & Seam edge profile."

Utilities:

- Electrical - Nine motors, total 17.82 HP, 80 amps service @ 230 volt power.
- Water - Minimum consumption - limited to drag-out loss from recirculating solution tanks.
- Air - Compressed air to load polishing and smoothing wheels 80 psi @ 1 CFM.

Controls:

- All electrical controls, including motor starters enclosed in a machine mounted electrical control panel.
- PLC Touch-Pad Controls for machine operation.
- Large load indicating ammeters furnished for each spindle.
- Machine can be wired for 50 or 60 cycle power and any voltage.

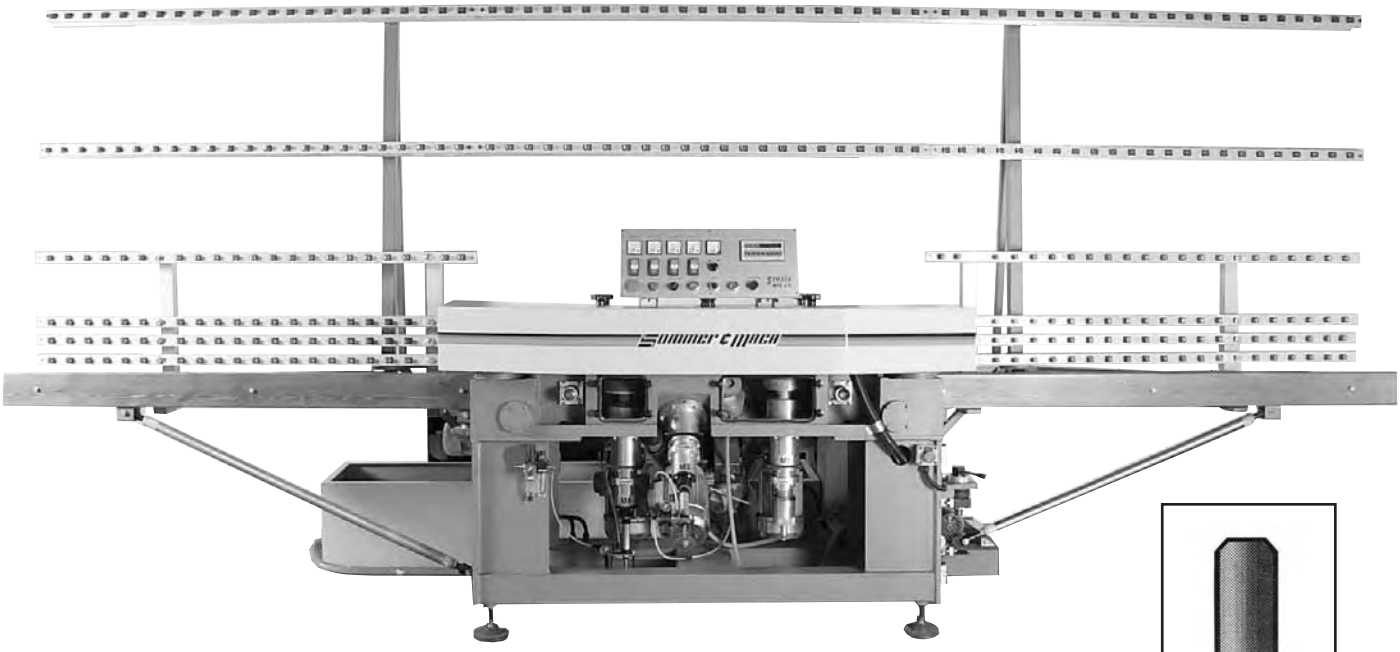
Optional Features:

- Vertical extension racks for edging large lites of glass.
- Run-time and production counters.
- See page 660 for wheels.

Model	Width	Depth	Height	Shipping Weight	Conveyor Height
VE-4+1	21' 6"	5'	7' 6"	4,760 lbs.	29-1/2"

4-Cup Wheel Edger

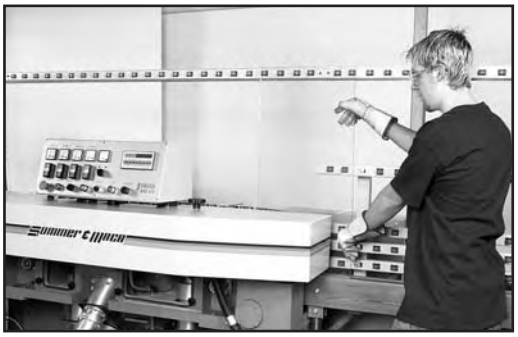
Somaca VFE-4, Four Cup Wheel Edger





Flat & Seam

Grind and Polish 1/8" to 1/2" Glass In Any Random Order - Without Stopping, Without Machine Adjustments



The VFE-4 edger runs right to left, and doesn't require a highly trained operator.



1 Flat Grind, 2 Seam Smooth, 1 Flat Polish

Sommer & Maca's new VFE-4, Four Cup Wheel Edger, allows you to run glass as it is cut - in real time. This means you can continually feed any size glass, any thickness, from 1/8" to 1/2", without stopping for machine adjustments. Pneumatically actuated seaming and polishing wheels automatically adjust between each piece of glass.

Various thicknesses of glass are continually kept in alignment during grinding with a solid rear vulcanized rubber registration conveyor.

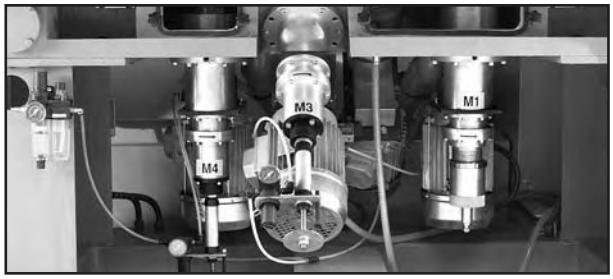
Since there are no adjustments to make, not only do you save time, the need for a highly trained operator is virtually eliminated. Further assisting the operator is a prominent, easy-to-operate control panel, with ammeter indicators on each spindle for fast monitoring of wheel condition.

A large, heavy duty machine base and glass racks easily supports 100" long glass lites. The ingoing glass rack is adjustable. Edge grind depth, from 1/32" to 3/32", is quickly changed with a hand lever - especially convenient when removing large flairs. A precision vernier dial gauge indicates your present position.

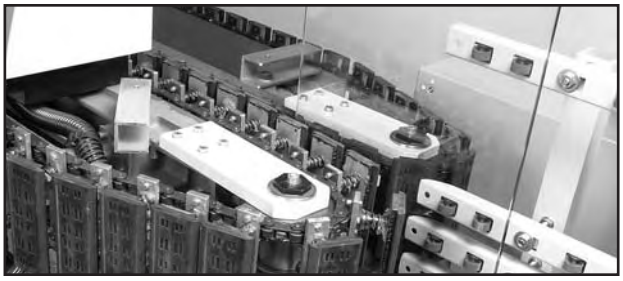
Wheel lubrication during grinding is constant with a recirculating coolant tank and pump system. This assures you of consistent, quality grinding and longer wheel life. Included with every edger is one set of processing wheels.

Once you experience our new VFE-4 Four Cup Wheel Edger, you'll agree it is one of the best flat edging machines you've ever used.

4-Cup Wheel Edger



Seam and edge polish spindles adjust automatically during fabrication of 1/8" to 1/2" glass.



Flexible spring loaded pads adjust automatically for 1/8" to 1/2" glass.

Technical Data

Capacity:

Glass Thickness . . . 1/8" to 1/2" from a minimum size of 6" x 6".

Speed . . Rubber covered pad conveyor and variable A.C. gear motor drive processes the glass from 0 to 118"per minute.

Grinding/Polishing Wheels:

Four Heavy Duty Precision Edging Spindle Motors . . . the 3 HP grind spindle has a manual adjustment for wheel wear compensation. The two 2 HP seaming spindles and the 3 HP edge polish wheels are automatically adjusted by pneumatic cylinders.

Diamond Wheel Coolant . . fed to wheels by 1/2 HP centrifugal pump.

Travel:

Right to Left.

Wheels:

Diamond Wheel . . . one 6" O.D. Seam Wheels . . . two 4" O.D. Polishing Wheel . . . one 6" O.D.

Utilities:

Electrical . . . six motors totalling 10.7 HP (8kw), 40 amp service @ 230 volt 3-phase power.

Water . . . minimum consumption - limited to drag-out loss from coolant tank.

Air . . . compressed 90 PSI @ 1 CFM for seam and polish spindles.

Controls:

Enclosed . . . all controls, including motor starters, are enclosed in a machine mounted electrical control panel.

Analog Load Indicating Ammeters . . . furnished for each spindle and conveyor motors.

Dimensions and Weight . . . 16'6" wide x 4'3" deep x 9' tall. Pass line: 34". Shipping weight: 2860 lbs.

Additional Sommer & Maca Cup Edger Models Available

VFE-5
1 Flat Grind, 2 Seam Smooth, 2 Flat Polish - 1/2" Capacity



VFE-8
2 Flat Grind,1 Rear Seam Smooth, 1 Front Seam Grind, 1 Front Seam Polish, 2 Flat Polish, 1 Front Seam Polish - 3/4" Capacity



VFE-6
2 Flat Grind, 2 Seam Smooth, 2 Flat Polish - 3/4" Capacity



VFE-11C
2 Flat Grind, 1 Rear Seam Grind, 1 Front Seam Grind, 1 Front Seam Polish, 1 Rear Seam Polish, 2 Flat Polish, 1 Front Polish, 1 Front Cerium Polish, 1 Flat Cerium Polish - 3/4" Capacity

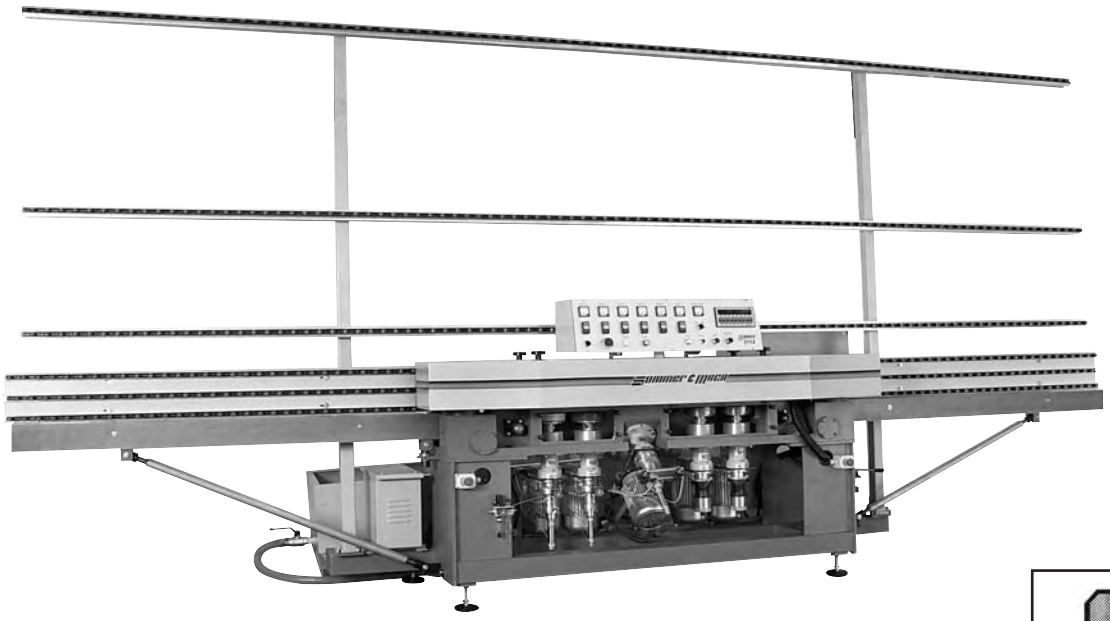


Wheels for Somaca 4 Spindle Cup Wheel Edgers

PART NO.	Type	Dimensions	Grit
3-97302-01	Diamond Flat Edge Cup for 1/8" to 1/2" Glass	6"	140-170
	Seam /Arris Ring on Machines Delivered Before June 2001		
3-97301-01	Seam/Arris Ring 1/8" to 1/2" Glass	3-7/8"	Stone
4700300003	Extra Hub for above Seam/Arris Wheel	3-7/8"	
122-4583	Fast Cure Epoxy for Bonding Above Wheel	10 Cup Pak	
3-97313-00	Adapter Hubs to Use Above Seam/Arris Ring on Machines Delivered After June 2001		
	Seam/Arris Cup on Machines Delivered After June 2001		
3-97301-02	Seam/Arris Cup 1/8" to 1/2" Glass	3-7/8"	Stone
	Flat Edge Polish Wheel		
3-97300-01	1/8" to 1/2" Polish	6"	9R
	Dress Plates and Sticks		
462-0588-1	3/8" Board	8" x 6"	120
452-0587-1	1/4" Stick	2" x 7"	220

6-Cup Flat Edger

Somaca VFE-6, Six Cup Flat Edger
Cerium Polish Flat Edges to 3/4" Thick



Grind and Polish 1/8" to 3/4" Glass In Any Random Order - Without Stopping, Without Machine Adjustments



2 Flat Grind, 2 Seam Smooth, 2 Flat Polish – 3/4" Capacity



Flat & Seam

Sommer & Maca's new VFE-6, Six Cup Flat Edger, allows you to run glass as it is cut - in real time. This means you can continually feed any size glass, any thickness, from 1/8" to 3/4", without stopping for machine adjustments. Pneumatically actuated seaming and polishing wheels automatically adjust between each piece of glass.

Various thicknesses of glass are continually kept in alignment during grinding with a solid rear vulcanized rubber registration conveyor.

Since there are no adjustments to make, not only do you save time, the need for a highly trained operator is virtually eliminated. Further assisting the operator is a prominent, easy-to-operate control panel, with ammeter indicators on each spindle for fast monitoring of wheel condition.

A large, heavy duty machine base and glass racks easily supports 100" long glass lites. The ingoing glass rack is adjustable. Edge grind depth, from 1/32" to 3/32", is quickly changed with a hand lever - especially convenient when removing large flairs. A precision vernier dial gauge indicates your present position.

Wheel lubrication during grinding is constant with a recirculating coolant tank and pump system. This assures you of consistent, quality grinding and longer wheel life. Included with every edger is one set of processing wheels.

Once you experience our new VFE-6 Six Cup Flat Edger, you'll agree it is one of the best flat edging machines you've ever used.

Speed: 0 - 118 inches per minute

Wheels:
Diamond Wheels . . . . . two 6" O.D.
Seam Wheels . . . . . two 4" O.D.
Polishing Wheels . . . . . two 6" O.D.

Utilities:

Electrical . . . eight motors totalling 16.7 HP (12.45kw), 60 amp service @ 230 volt 3-phase power.

Water . . . minimum consumption - limited to drag-out loss from coolant tank.

Air . . . compressed 90 PSI @ 1 CFM for seam and polish spindles.

Controls:

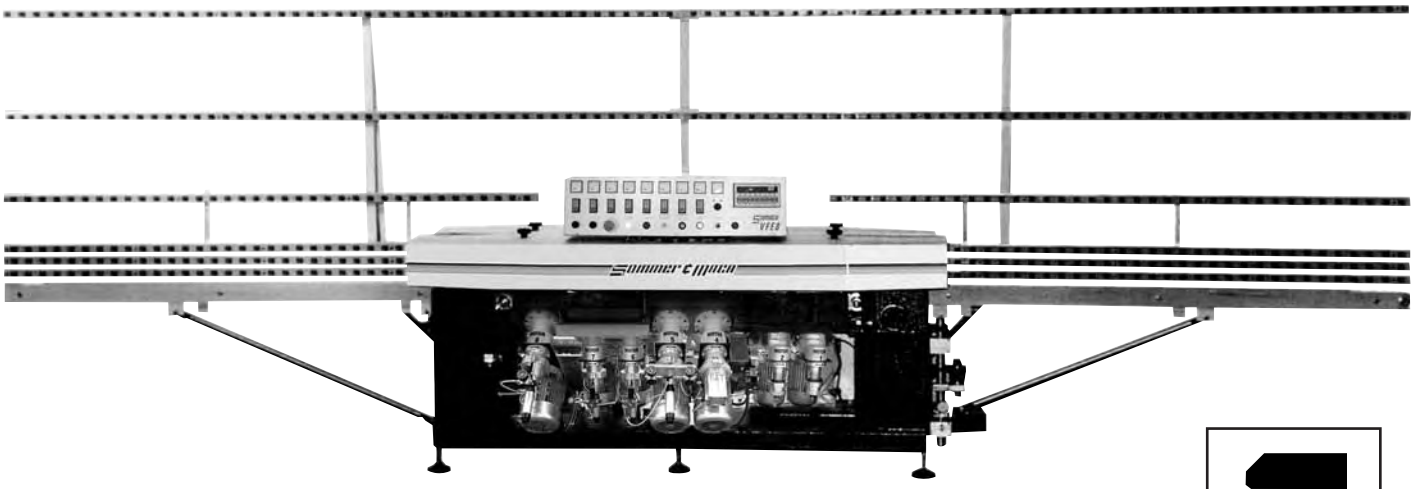
Enclosed . . . all controls, including motor starters, are enclosed in a machine mounted electrical control panel.

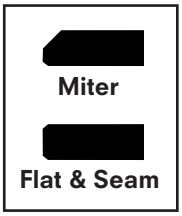
Analog Load Indicating Ammeters . . . furnished for each spindle and conveyor motors.

Dimensions and Weight . . . 18'6" wide x 4'3" deep x 7' 10" tall. Pass line: 34". Shipping weight: 3000 lbs.

8-Cup Flat Edger

Somaca VFE-8, Eight Cup Flat Edger
Cerium Polish Flat Edges to 3/4" Thick





Flat Edge & Seam 1/8" to 3/4" Glass In Any Random Order - Without Stopping, Without Machine Adjustments

...Also Produces Small Miters @ 45°



2 Flat Grind, 1 Rear Seam Smooth, 1 Front Seam Grind, 1 Front Seam Polish, 2 Flat Polish, 1 Front Seam Polish – 3/4" Capacity

Sommer & Maca's new VFE-8, Eight Cup Flat Edger, allows you to Flat & Seam glass as it is cut - in real time. This means you can continually feed any size glass, any thickness, from 1/8" to 3/4", without stopping for machine adjustments. Pneumatically actuated seaming and polishing wheels automatically adjust between each piece of glass.

Various thicknesses of glass are continually kept in alignment during grinding with a solid rear vulcanized rubber registration conveyor.

Since there are no adjustments to make, not only do you save time, the need for a highly trained operator is virtually eliminated. Further assisting the operator is a prominent, easy-to-operate control panel, with ammeter indicators on each spindle for fast monitoring of wheel condition.

A large, heavy duty machine base and glass racks easily supports 100" long glass lites. The ingoing glass rack is adjustable. Edge grind depth, from 1/32" to 3/32", is quickly changed with a hand lever - especially convenient when removing large flairs. A precision vernier dial gauge indicates your present position.

Wheel lubrication during grinding is constant with a recirculating coolant tank and pump system. This assures you of consistent, quality grinding and longer wheel life. Included with every edger is one set of processing wheels.

Once you experience our new VFE-8 Eight Cup Flat Edger, you'll agree it is one of the best flat edging machines you've ever used.

Speed:
0 - 118 inches per minute

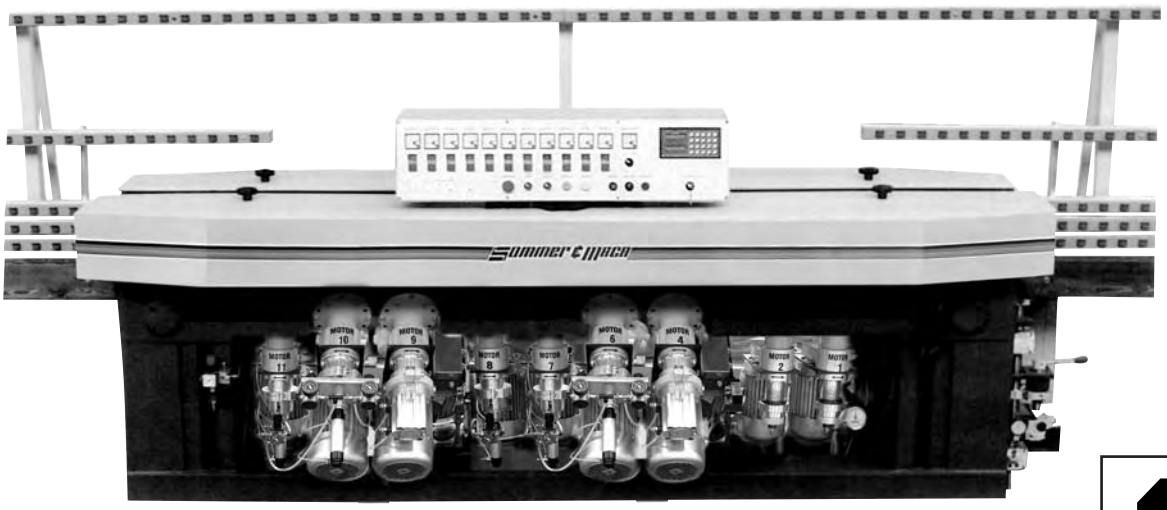
Wheels:
Diamond Wheels . . . . . two 6" O.D. flat edge
. . . . . one 5" O.D. front seam (mitering)
Rear Seam Wheel . . . . . one 4" O.D.
Front Seam or Miter Polish . . two 5" O.D.
Polishing Wheels . . . . . two 6" O.D. flat edge

Utilities:
Electrical . . . ten motors totalling 16.7 HP (16 kw), 80 amp service @ 230 volt 3-phase power.
Water . . . minimum consumption - limited to drag-out loss from coolant tank.
Air . . . compressed 90 PSI @ 1 CFM for seam and polish spindles.

Controls:
Enclosed . . . all controls, including motor starters, are enclosed in a machine mounted electrical control panel.
Analog Load Indicating Ammeters . . . furnished for each spindle and conveyor motors.
Dimensions and Weight . . . 21'4" wide x 4'3" deep x 7' 10" tall. Pass line: 34". Shipping weight: 4400 lbs.

11-Cup Flat Edger

Somaca VFE-11C, Eleven Cup Flat Edger
Cerium Polish Flat Edges to 3/4" Thick



Large Miter

Flat & Seam

Flat Edge & Seam 1/8" to 3/4" Glass In Any Random Order - Without Stopping, Without Machine Adjustments

...Also Produces Large Cerium Polished Miters @ 45°



2 Flat Grind, 1 Rear Seam Grind, 1 Front Seam Grind, 1 Front Seam Polish, 1 Rear Seam Polish, 2 Flat Polish, 1 Front Polish, 1 Front Cerium Polish, 1 Flat Cerium Polish - 3/4" Capacity

Sommer & Maca's new VFE-11C, Eleven Cup Flat Edger, allows you to Flat & Seam glass as it is cut - in real time. This means you can continually feed any size glass, any thickness, from 1/8" to 3/4", without stopping for machine adjustments. Pneumatically actuated seaming and polishing wheels automatically adjust between each piece of glass.

Various thicknesses of glass are continually kept in alignment during grinding with a solid rear vulcanized rubber registration conveyor.

Since there are no adjustments to make, not only do you save time, the need for a highly trained operator is virtually eliminated. Further assisting the operator is a prominent, easy-to-operate control panel, with ammeter indicators on each spindle for fast monitoring of wheel condition.

A large, heavy duty machine base and glass racks easily supports 100" long glass lites. The ingoing glass rack is adjustable. Edge grind depth, from 1/32" to 3/32", is quickly changed with a hand lever - especially convenient when removing large flairs. A precision vernier dial gauge indicates your present position.

Wheel lubrication during grinding is constant with a recirculating coolant tank and cerium tank with pump systems. This assures you of consistent, quality grinding and longer wheel life. Included with every edger is one set of processing wheels.

Once you experience our new VFE-11C Eleven Cup Flat Edger, you'll agree it is one of the best flat edging machines you've ever used.

Speed: 0 - 118 inches per minute

Wheels:

Diamond Wheels . . . . . two 6" O.D. flat edge
. . . . . one 5" O.D. front seam (mitering)
. . . . . one 4" O.D. rear seam
Rear Seam Polish Wheel. . . . one 4" O.D.
Front Seam or Miter Polish. . two 5" O.D.
Polishing Wheels . . . . . two 6" O.D. flat edge
Recirculating Cerium
Felt Polish. . . . . one 6" O.D. flat edge
. . . . . one 5" front miter

Utilities:

Electrical . . . 14 motors totaling 18.7 HP (25 kw), 125 amp service @ 230 volt 3-phase power.
Water . . . minimum consumption - limited to drag-out loss from coolant tank.
Air . . . compressed 90 PSI @ 1 CFM for seam and polish spindles.

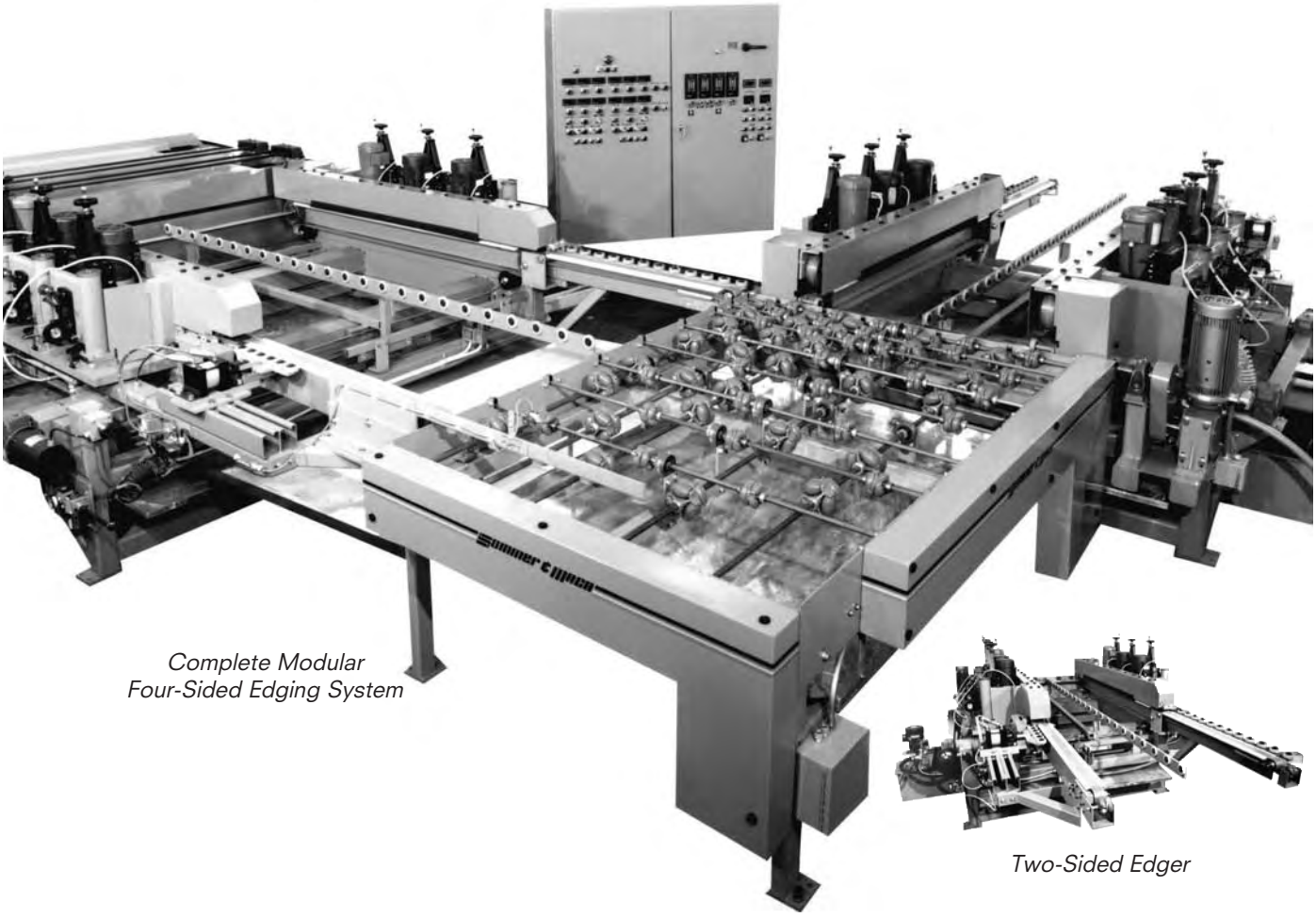
Controls:

Enclosed . . . all controls, including motor starters, are enclosed in a machine mounted electrical control panel.
Analog Load Indicating Ammeters . . . furnished for each spindle and conveyor motors.
Dimensions and Weight . . . 23' wide x 4'3" deep x 7' 10" tall. Pass line: 34". Shipping weight: 5280 lbs.

Two-Sided Horizontal Edger

Simplicity of Operation, Increased Production, and the Near Elimination of Glass Handling

Automatically Timed, Registered and Adjusted High Speed Diamond Wheel Production System



Complete Modular Four-Sided Edging System

Two-Sided Edger

Economy and Modular Flexibility

Sommer & Maca's Two-Sided Edger offers you economy and modular flexibility. It is economical because you can purchase one two-sided edger, and process the glass through the machine twice.
As volume increases, modular flexibility allows you to expand to a four-sided edging system (pictured above), by adding another two-sided edger, transfer table, and even a washer.

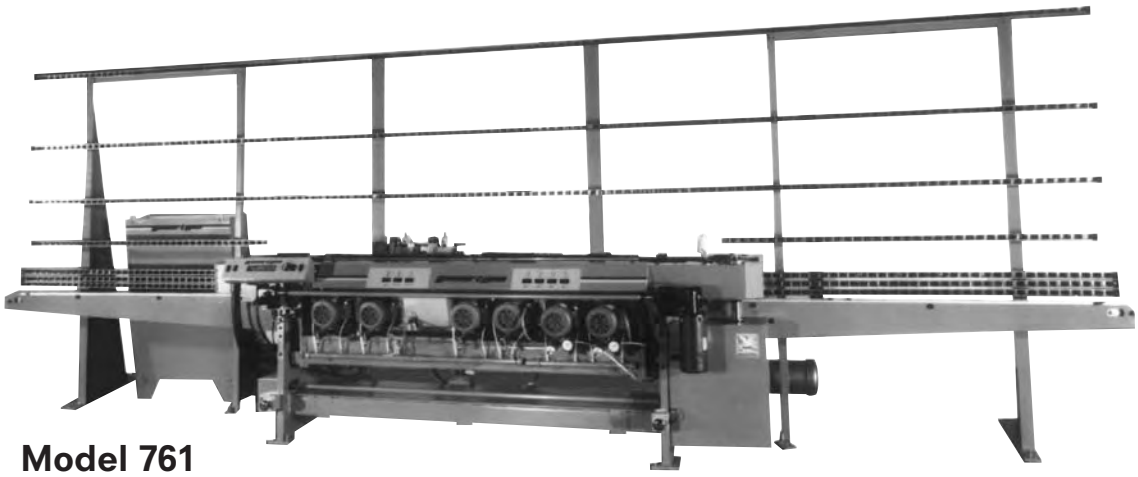
Featuring

- A family of machines with a maximum glass size up to 84". Single strength to 1/2" glass can be processed from 10 to 300 inches per minute.
- Swing out spindle assemblies for ease of wheel change and maintenance.
- Peripheral diamond wheels can be designed for a variety of edge profiles.
- Automatic polish wheel adjustment for wear during production runs.
- Single push button, fully automatic start-up.
- Automatic glass register and transfer table staging for systems using a right angle transfer table.
- Automatic positioning center support for large glass lites.
- Automatic conveyor shut-off when coolant is low.

7 Spindle Bevellers

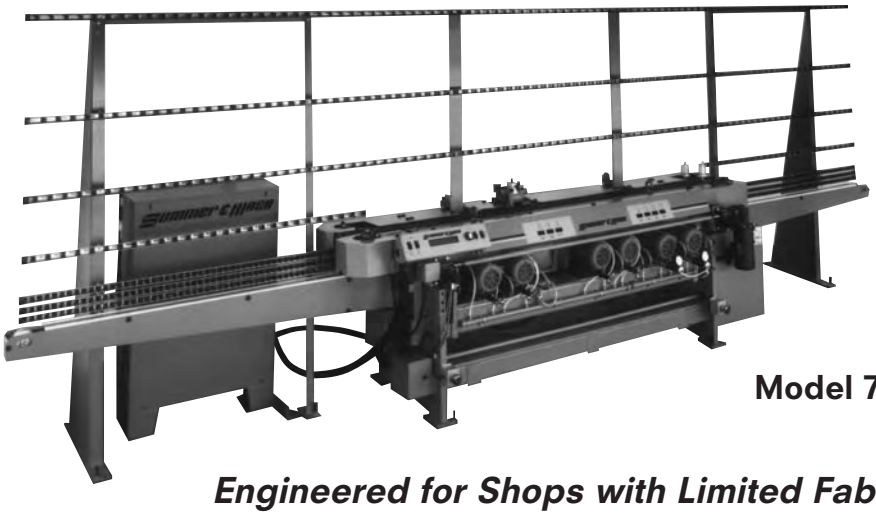
7 Spindle Beveller - Available in Two Models

High Speed Bevelling Machine



Model 761

This machine is ideally suited for fabricators who need to produce a large volume of bevels. Model 761 uses two bevel grind wheels to bevel glass up to 1" thick at speeds from 40% to 83% faster than Model 752 Beveller/Edger. It will produce 1/2" height bevels @ 95 inches per minute or 1" height bevels @ 55 inches per minute. Ground edgework can be done on glass up to 1/2" thick.



Combination Bevelling/Edging Machine

Model 752

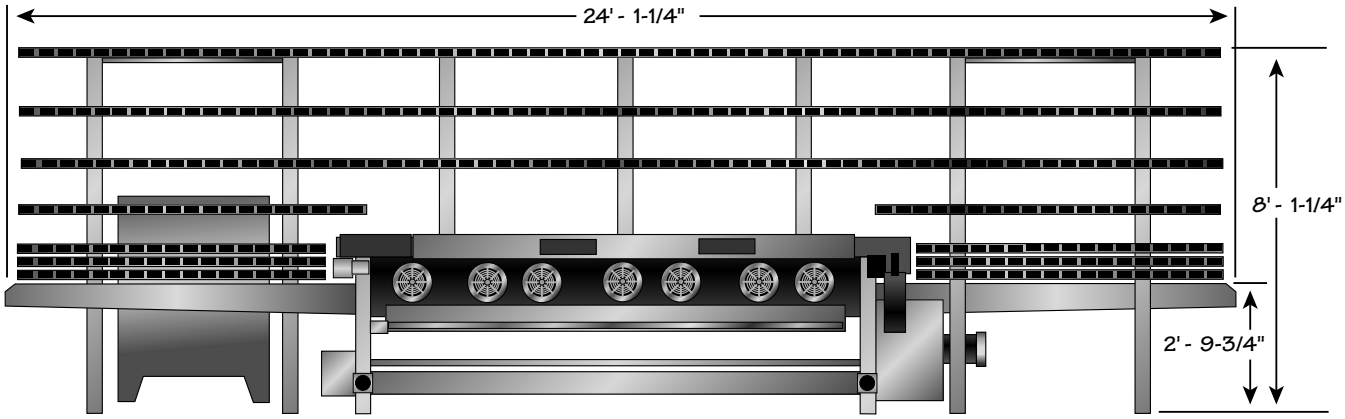
Engineered for Shops with Limited Fabrication Space

A space saving combination machine, designed to provide quality bevelling and polished edgework utilizing limited factory space. Model 752 is noted for premium quality, straight-line bevels on glass up to 1" thick. It will produce: 1/2" height bevels @ 65 inches per minute or 1" height bevels @ 30 inches per minute. Ground and polished edgework is also possible on glass up to 1/2" thick.

Model 752 Conversion

Model 752 can be converted to a 761, high speed beveller, if you find that your needs have changed. This saves you the cost of trading-in or selling your in-place equipment to increase production.

7 Spindle Bevellers

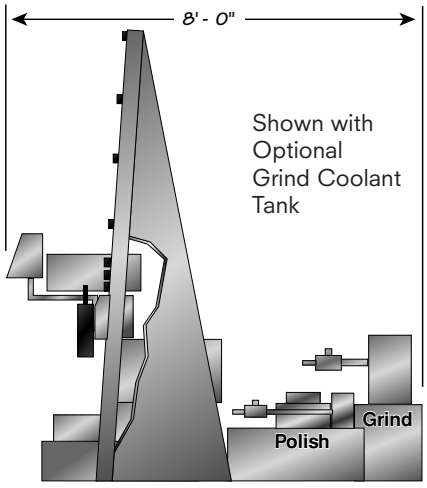


Specifications



Digital Controls

Both models of Somaca's 7 Spindle Bevellers feature easy to use digital controls for selecting glass thickness, bevel height and bevel angle. Bevel calculation and set-up is accomplished in seconds. You also have the ability to store up to 15 different bevel settings, and recall them instantly. The computer controls are also able to determine a bevel angle based on the final edge thickness required. The operator can adjust the controls to read in inch or metric units of measure. This control will also track productivity - it records the total inches of glass processed and the corresponding hours of labor on user resettable counters.
The bevel and edge spindles have individual ammeters to monitor wheel performance.
The system's microprocessor and motor starters are located in a remote cabinet to minimize vibration to components.



SIDE VIEW

Edge Profiles



Pencil



Flat & Seam

Bevels



Single



Double



Triple



Heavy Miter

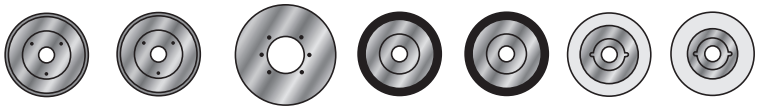
Wheel Stations

Featuring 3HP, 3600 rpm spindle assemblies for all bevelling positions, and the edge grind position.
The edge polish station on Model 752 uses a 2HP, 1800 rpm spindle assembly. All wheel adjustments are located on the front of the machine.

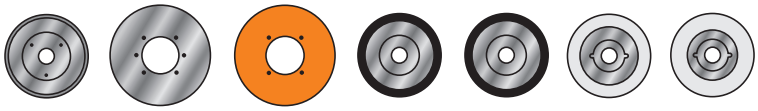
Conveyor

The glass is conveyed by means of a flexible conveyor. Both entry and exit conveyors are 7' long. Conveyor speed is variable from 0" to 157" per minute by push button adjustment.

Wheel set-up for high speed bevelling



Wheel set-up for bevelling and polished edgework



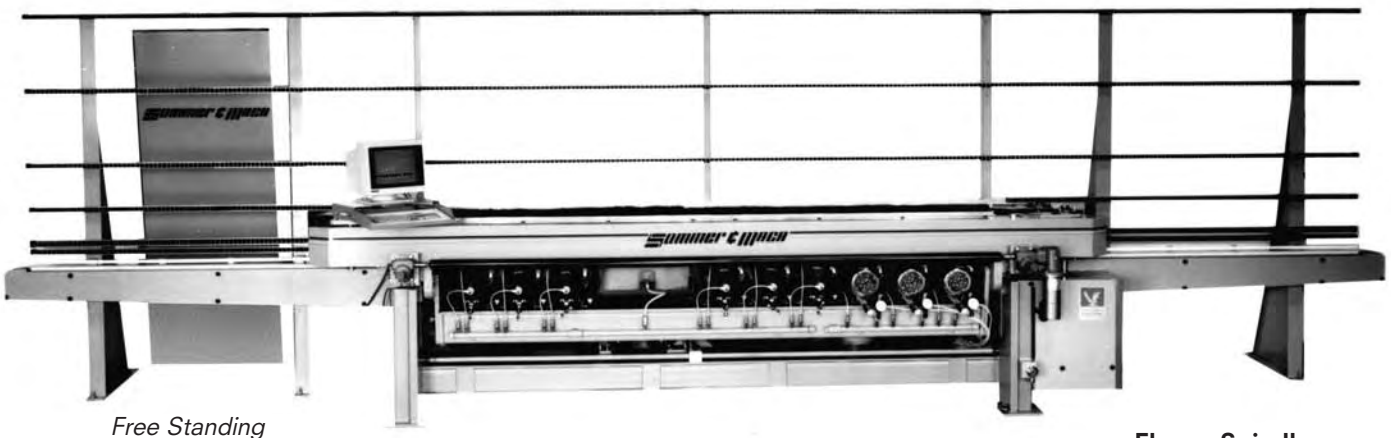
Capacities

Conveyor speed: 0-157 inches per minute
Bevel size and angle: 0"-2" height, 3-45 degrees
Bevel capacity: 1/8" to 1" thick glass
Edge capacity: 1/8" to 1/2" thick glass
Minimum glass size: from 1-5/8" x 1-5/8" and strips from 1-3/8" wide with 3/8" bevel
Power requirement: 70 amps @ 230 volt, 3 phase power
Shipping weight: 8,100 lbs.

11 Spindle Beveller

Somaca 11 Spindle Vertical Beveller

The Latest in Computer Technology Gives You Brilliant Bevels at the Touch of a Button



Free Standing Electrical Panel

Eleven Spindles

"The World's First Computer Operated Beveller"

- **Newly Designed Track System**
- **All Computer Controlled**
- **Stores Production Data**
- **Fully Automatic Bevel Changeovers**
- **Self Adjusting Edge Grind and Polish**

Precision Repeatable Position Adjustments on Angle and Bevel Heights Within a Few 1/1000's of an Inch!



Sommer & Maca was the first in the flat glass industry to introduce a totally computer operated beveller - the Compu-Bevel 11. The Compu-Bevel 11 allows you to input production data for automatic adjustment, at anytime, to your parameters. The result is exceptional quality bevels at the touch of a button. Production data can be stored, and you can recall a customer's past job and duplicate it immediately. If there is a slight change, all the data is in front of you, and modifications can be made.

A 35mm (14") color CRT allows you to monitor wheel performance and coolant flow during production runs. If, for example, a wheel needs adjustment, the monitor screen will flash an automatic warning. This greatly assists the operator, and assures constant, quality bevels.

Coolant flow to each wheel has been greatly improved. The coolant flow is directed through the center of each spindle, as well as the sides of the wheel. This provides the optimum in cleaning and flushing of glass swarf off the wheel.

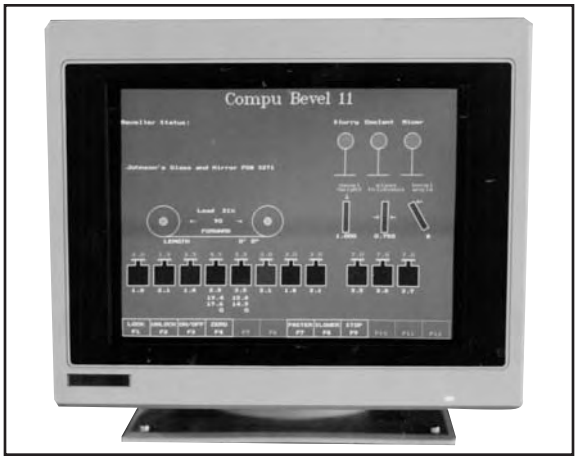
Sommer & Maca's Compu-Bevel 11 combines the latest in computer technology with Somaca's years of bevelling experience to give you the finest, most brilliant bevels produced in the world.

MACHINE PERFORMANCE

- Production quality 1" bevels on 1/4" glass at 120 inches (305cm) per minute minimum. Strips 1-3/8" wide with bevel widths to 3/8".
- Strips 2" wide with bevel widths to 1/2".
- Bevels to 2-3/8" wide on thicker glass.
- Fully automatic changeover in less than three minutes.
- Automatic edger wheel wear compensation.
- Automatic monitoring of grinding wheels during production alerts operator when adjustment or dress is needed.
- Ground and polished edges.
- Coolant through spindle shaft to wheels and at interface of glass and wheel.
- Rear conveyor rack of roller bearing construction on hardened steel rails.

11 Spindle Beveller

The Compu-Bevel 11 is Menu-Driven & Keyboard Friendly. Full Color Monitor Displays All Bevelling Information and Maintenance Schedules!



Actual monitor photo above shows bevel angle and height, glass thickness, coolant flow, and individual electric current draw for each motor. Automatic alarms signal you if any of these functions need attention.

Summary Mode
Lubrication and Coolant Schedule

Lubrication	Period (Hours)	Grease Type	Total Time (Hours)
Vertical Gibs (4)	80	Waterproof Lithium	0
Angle Gibs	80	Brush on Lithium	28
Thickness Gibs (4)	80	Waterproof Lithium	28
Vertical Jacks (2)	80	Waterproof Lithium	28
Thickness Jacks	80	Waterproof Lithium	18
Drive U Joint	40	Waterproof Lithium	0
Drive Gear Box	1000	Worm Gear Oil	0
Conveyor Drv Chain (2)	120	Clean & Lube	0
Edge Spindle Posts (2)	120	Waterproof Lithium	0
Infeed Bearings (4)	40	Waterproof Lithium	0
Out Going Bearings (7)	40	Waterproof Lithium	0

Summary Mode
Wheel History

Spindle Position	Run Length (IN)	Lifetime (IN)	Wheel Type (Hours)
Grinding Wheel 1	0	1000000	Somaca
Grinding Wheel 2	0	1000000	Somaca
Grinding Wheel 3	483	3000000	Somaca 12 1/2mm Turbo
Edging Wheel 1	483	1000000	Somaca 3/16-180
Polishing Wheel 2	483	1000000	Somaca 120
Smoothing Wheel 4	483	3000000	Somaca 12 1/2mm Turbo
Smoothing Wheel 5	483	3000000	Somaca 12 1/2mm Turbo
Smoothing Wheel 6	483	3000000	Somaca 12 1/2mm Turbo
Polishing Felt 1	841	1000000	Somaca Synthetic 1"
Polishing Felt 2	841	1000000	Somaca Synthetic 1"
Polishing Felt 3	841	1000000	Somaca Synthetic 1"

Typical Compu-Bevel 11 monitor summary modes, above and below, aid you in wheel and lubrication maintenance, resulting in higher quality bevels and lower operating costs.

Additional Technical Data

Important Specifications

- Adjustable front tube bevel angle and height controlled by electric drives. Closed loop servo positioning control within ±1/1000's of an inch. Digital readouts.
- Dial diamond wheel wear adjustments with micrometer sensitivity and dovetailed spindle slides (grind through smoothing).
- Felt wheels operate on ball bearing roller slide air actuated with spring return, computer controlled.
- Edgers mounted off main frame, front access to wheels, electronic adjustment, automatic wear compensation, and digital position readout.
- Optional rear pad dress station (grind rear pad surface on machine for on-site repair).
- Programmable control for automatic set-up.
- Machine control station with 14" color CRT monitor.
- Summary Mode to monitor wheel performance and alert operator of maintenance requirements.
- Store production data by customer number or description.
- Recall data - machine automatically adjusts to stored parameters.
- Coolant manifolds up front to view coolant flow to spindles.
- Computer monitors all functions of bevelling and automatically alerts operator.

Machine Specifications

SPINDLES: 3 grind, 2 edgers, 3 smooth, 3 felts
Three grind spindles, 2HP, 3450 RPM thru bore coolant
Two edger spindles, one 3HP, 3450 RPM (diamond wheel);
and the other a 3HP, 1750 RPM (polish wheel)
Three smoothing spindles, 2HP, 3450 RPM thru bore coolant
Three polish spindles, 3HP, 1750 RPM.
GLASS SIZE: Minimum 1-5/8" x 1-5/8". Maximum 100" x 100".
LOAD CAPACITY: Main conveyor 1100 lbs. In-feed conveyor 1100 lbs. Discharge 1100 lbs. Total load: 3300 lbs.
GLASS THICKNESS: Minimum 1/8" (3mm). Maximum 1" (25.4mm).
BEVEL HEIGHT: 0" to 2-3/8" (0mm to 60.3mm).
CONVEYOR SPEED: 0 - 240 inches per minute (0 to 6.09 mm).

Model	Width	Depth	Height	Shipping Weight	Conveyor Height
Compu-Bevel 11	**28'**	**5'**	**8'**	**13,500 lbs.**	**33-1/2"**

Somaca Straight Line Bevelling Machine Wheels

7 Spindle Beveller Models 761 & 752

Use on Model 752 Only

PART NO.	Type	Dimensions	Grit
3-92344-01	Pos #1 Metal Bond Diamond Bevel Grind	6″	100 - 120
	Use on Model 761 Only		
3-92344-02	Pos #1 Metal Bond Diamond Bevel Grind	6″	80 - 100
3-92344-03	Pos #2 Metal Bond Diamond Bevel Grind	6″	140 - 170
	Edge Grind Wheels Use in Pos #2 on Model 752 and Pos #3 on Model 761		
3-86166-02	Pencil Edge for 1/8″ to 1/4″ Glass	8″	170 - 200
3-94722-05	Pencil Edge for 3/16″ to 3/8″ Glass	8″	170 - 200
3-94723-05	Pencil Edge for 1/4″ to 1/2″ Glass	8″	170 - 200
3-64725-05	Flat & Seam Edge 1/8″ to 1/4″ Glass	8″	170 - 200
3-94726-05	Flat & Seam Edge 3/16″ to 3/8″ Glass	8″	120 - 140
3-94727-05	Flat & Seam Edge 1/4″ to 1/2″ Glass	8″	120 - 140
	Edge Polish Wheel Use in Pos #3 on Model 752 Only		
3-95798-01	Somaca Orange Polish 1/8″ to 1/2″ Glass	8″ x 3/4″	120
	Smooth Wheels Used on Model 752 Only		
3-92345-02	Pos #4 Resin Bond Diamond Bevel Smooth	6″	140 - 170
3-92345-03	Pos #5 Resin Bond Diamond Bevel Smooth	6″	30 - 40 Micron
	Smooth Wheels Used on Model 761 Only		
3-92345-01	Pos #4 Resin Bond Diamond Bevel Smooth	6″	200 - 230
3-92345-03	Pos #5 Resin Bond Diamond Bevel Smooth	6″	30 - 40 Micron
	Polish Wheels Used on Models 752 & 761 Bevellers		
3-94152-00	Pos #6 Felt Narrow Face Bevel Polisher	6″	
462-0721-6	Replacement Felt Ring for Above Assembly		
3-394491-02	Replacement Mfg. Hub for Above Assembly		
3-94489-02	Pos #7 Felt Wide Face Bevel Polisher	6″	
3-94490-02	Replacement Felt Ring for Above Assembly		
3-94491-01	Replacement Mfg. Hub for Above Assembly		

11 Spindle Beveller Model Compu-Bevel 11

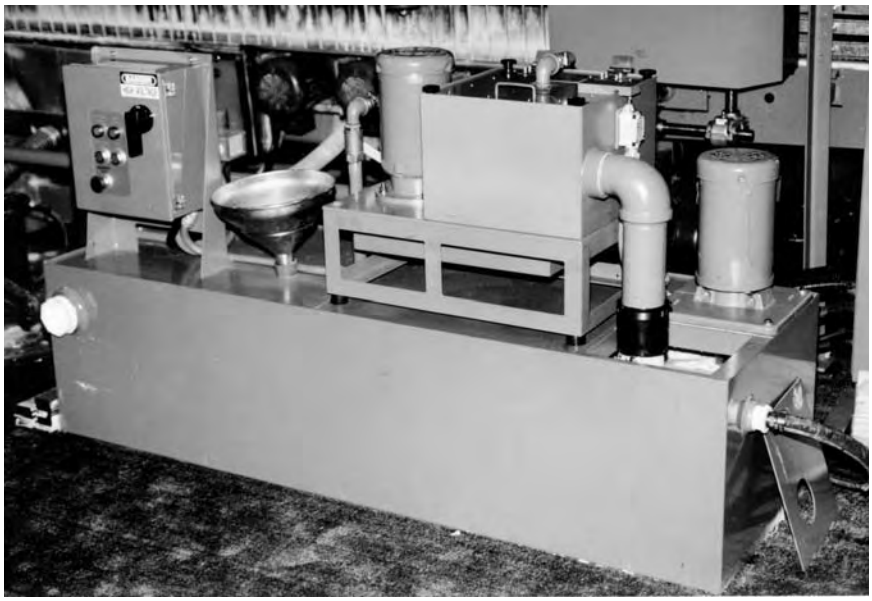
PART NO.	Type	Dimensions	Grit
3-91339-01	Pos #1 Metal Bond Diamond Bevel Grind	6″	
3-91339-02	Pos #2 Metal Bond Diamond Bevel Grind	6″	
3-91339-03	Pos #3 Metal Bond Diamond Bevel Grind	6″	
	Edge Grind Wheels Use in Pos #4		
3-86166-02	Pencil Edge for 1/8″ to 1/4″ Glass	8″	170 - 200
3-94722-05	Pencil Edge for 3/16″ to 3/8″ Glass	8″	170 - 200
3-94723-05	Pencil Edge for 1/4″ to 1/2″ Glass	8″	170 - 200
3-64725-05	Flat & Seam Edge 1/8″ to 1/4″ Glass	8″	170 - 200
3-94726-05	Flat & Seam Edge 3/16″ to 3/8″ Glass	8″	120 - 140
3-94727-05	Flat & Seam Edge 1/4″ to 1/2″ Glass	8″	120 - 140
	Edge Polish Wheel Use in Pos #5		
3-95798-02	Somaca Orange Polish 1/8″ to 1/2″ Glass	8″ x 1-3/16″	120
3-91340-02	Pos #6 Resin Bond Diamond Bevel Smooth	6″	
3-91340-03	Pos #7 Resin Bond Diamond Bevel Smooth	6″	
3-91340-04	Pos #8 Resin Bond Diamond Bevel Smooth	6″	
3-86643-01	Pos #9, 10, and 11 Felt Bevel Polisher	6″	
462-0721-6	Replacement Felt Ring for Above Assembly		
	Dress Plates and Sticks		
462-0588-1	3/8″ Board	8″ x 6″	120
452-0587-1	1/4″ Stick	2″ x 7″	220
368-8106	Pumice Block	4″ x 2-1/4″ x 2-1/2″	

Coolant Filtration Systems

Continuously Separates Glass Fines Assuring You of Longer Diamond Wheel Life and Quality Glass Finishing!

Benefits

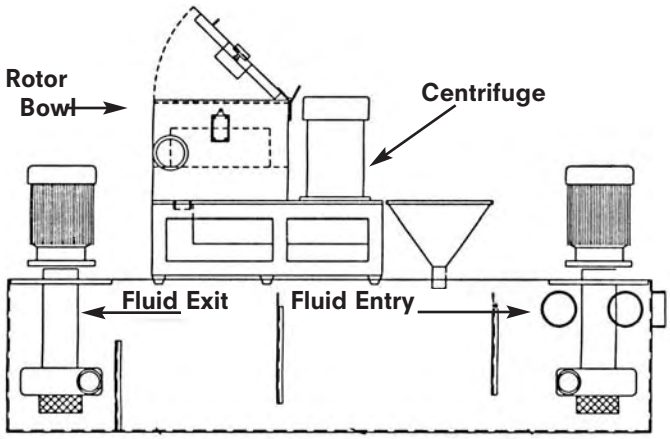
- Eliminates Tank Dig-Out
- Two to Three Fold Increase in Diamond Wheel Life
- Reduce Or Eliminate Disposal Costs
- Improved and Consistent Finished Product



System Description: Fully assembled, turn-key coolant system ready to install and go to work. System is designed for continuous separation of glass fines from coolant. Incorporates the latest design features to sweep the tank bottom and isolate clean fluid. Glass fines are relatively dry and compact for easy removal from the rotor bowl.

Features

- Specially Designed Tank with Sweep System
- Manual Clean Centrifuge
- Two Seal-less Centrifugal Pumps
- UL Certified Control Panel, NEMA 12 Enclosures



Front View of Filtration Coolant System

Coolant Filtration Systems

How It Works

Installing a filtration system for your bevelling or edging operation will insure the removal of glass fines from the coolant.
As the glass fine laden liquid discharges from the machine, it travels into the centrifuge. The tank design has built-in water jet nozzles so the liquid is consistently agitated and not allowed to settle. The glass fines are kept in suspension until they reach the rotor bowl.

Once the dirty liquid reaches the rotor bowl, it is spun at very high speeds which causes the glass fines to separate from the coolant.
The solids are collected in a bowl. The operator removes the bowl which is filled with glass sludge and disposes the waste. He then returns the bowl and turns the system back on.

INVESTMENT JUSTIFICATION

Example: How the Coolant Filtration System
Can Pay for Itself In a Bevelling Application

	W/O Microseparator	With Microseparator
Hours per Week Factory Operates	**40**	**40**
Hours per Week Beveller Operates	**32**	**40**
Hours per Week to Clean Tanks	**8**	**0**
Average Inches Produced per Minute	**45**	**45**
Average Profit per Inch	**.03**	**.03**
Calculate	**32. Hr. x 60 Min. x 45 IPM x .03 Profit per Inch**	**40 Hr. x 60 Min. x 45 IPM x .03 Profit per Inch**
Total Profits per Week	**$2,592.00**	**$3,240.00**
Profit Potential Difference		$648.00

Listed below are four Sommer & Maca machines and the coolant filtration system that coincides with each machine:

Machine Model	Tank Capacity	Flow Rate Gallons per Minute	Coolant Filtration Systems
VE 2 + 2	14 Gallons	3 GPM	Model TSK 30
VE-4, VFE-4	36 Gallons	8 GPM	Model TSK 50
7 Spindle Edger/Beveller	123 Gallons	35 GPM	Model TSK 50 or 80
CompuBevel 11	123 Gallons	35 GPM	Model TSK 80

Somaca's Coolant Filtration System models are matched with machinery based on total grinds produced and flow rate. The flow rate is the amount of coolant being pumped through the machine's coolant system.
Each filtration centrifuge has a rotor volume that dictates the model to use with the machine. Too small a unit would mean the rotor bowl would fill up with sludge too fast and have to be emptied too often. The main objective in filter sizing is not having to empty the rotor every hour. The ideal cleaning frequency would be once or twice a day or eight hour shift. These filtration coolant systems can be run overnight without the machinery to achieve optimum cleaning.
Centralized systems can be designed for any fabrication operation.

ESB-1 Edger/Shape Beveller

Somaca's Versatile ESB-1 Edger/Shape Beveller

Combination Edger/Beveller processes glass from 1/8" to 1" thick.
Work with glass as small as 5.9" diameter with the Small Parts Table.



Sommer & Maca's ESB-1 is an economical combination machine for fabricating custom shapes, circles and ovals. The machine will process glass as small as 5.9" and as large as 98". The grinding assembly is driven by a two-speed electric motor. It is quickly adjustable for bevel angles of 0-45 degrees. The motorized table is equipped with suction cups on adjustable arms. An electric vacuum pump is used to hold the glass shape to the suction cups. The pump is located in the control panel. The ESB-1 grind head is controlled manually for shapes. A spring arm connector is included and used for automatic grinding of circles. The system comes complete with a rotary union assembly to connect coolant and power lines to the machine. Also included is the small parts table, recirculating cerium polishing tank/pump for a high-clarity finish and a set of extension arms. Four beveling wheels with hubs (diamond, resin, rubber and felt) are included. One 1/4" pencil edge diamond and polish wheel with a dual hub is also included.
A floor tank with a stand-on grating is available as an option to contain your coolant while grinding. Also available is a floor-mounted stand to support the rotary union assembly.

Model	Base Dimension	Working Height	Shipping Weight
ESB-1	45" x 45"	43-1/4"	1276 lbs.

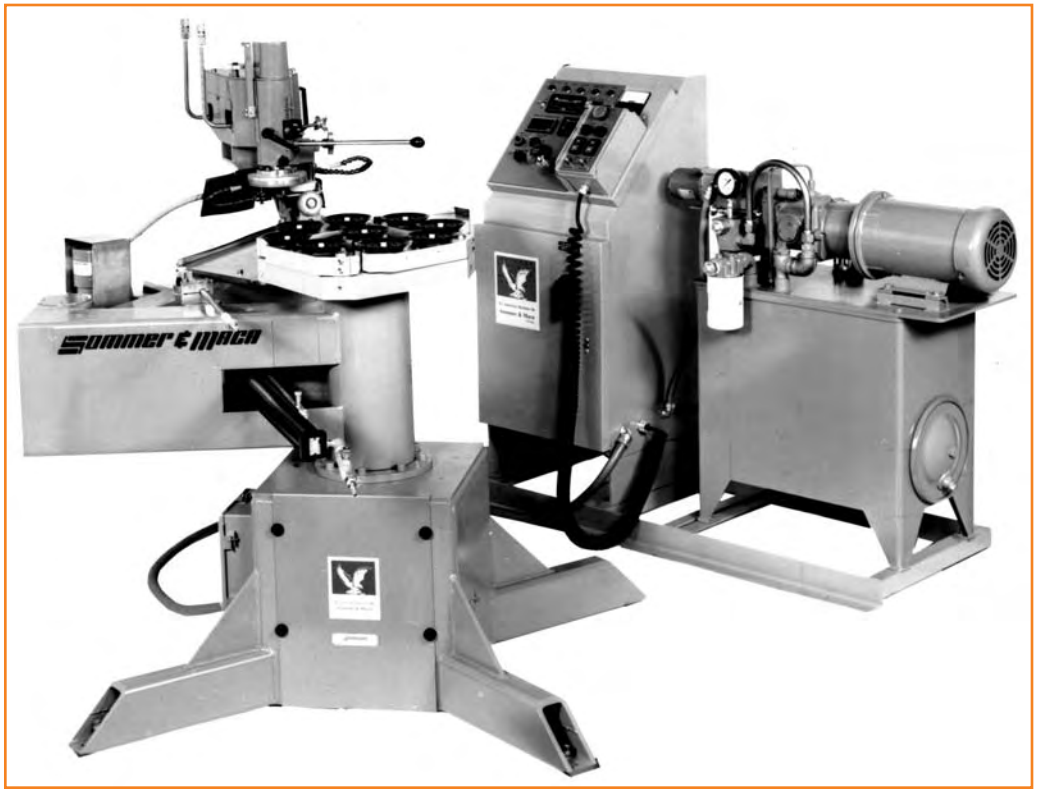
Shape Beveller Edger

Somaca SBE-1 Beveller, Edger and Polisher

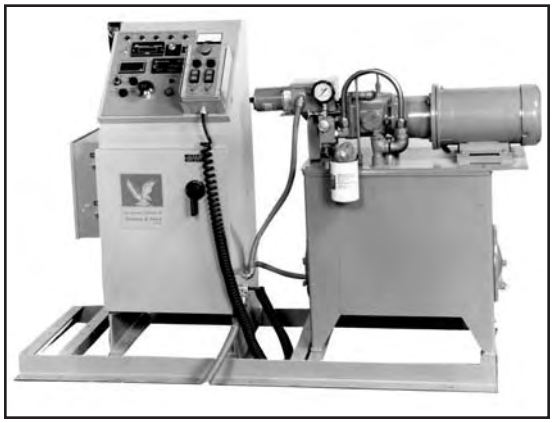
Bevels, Edges and Polishes Custom Shapes, Circles and Ovals!

The SBE-1 Offers:

- Edging, Bevelling and Polishing
- Various Edge Profiles
- Quick Wheel Change



Machine Performs Three Operations in One Optional Digital Electronic Control Console



Somaca's SBE-1 can be operated manually or with an optional electronically controlled module for remote operation. Bevelling and edging can be done without the use of a template.

The basic machine edges 20-1/2" to 100" diameter glass. In the bevelling mode, glass from 23-1/2" to 103" in diameter can be processed. For edging and bevelling glass, glass up to 1" thick is not a problem. Bevel range is 3 to 15 degrees.

With the small parts table option, glass can be edged as small as 3-1/4" diameter, or bevelled at 5" diameter.

Other options include an electric pump, overhead rotary union stand, large glass support columns, coolant pump and floor tank with safety grating.

Machine operators like the "quick change" wheel hubs that accept peripheral and cup wheels up to 6" in diameter.

Now, with the SBE-1, even small shops have the opportunity to offer competitive bevelling, edging and polishing - with just one machine.

Arm Extended Length to Center of Table: 70"

Model	Base Dimension	Working Height	Shipping Weight
SBE-1	45" x 45"	41-1/2"	Machine: 1,500 lbs., Panel: 800 lbs.

Shape Beveller Edger

Somaca's SBE-1 Has a Variety of Features and Options

Standard Features



Spindle Head Assembly

The SBE-1's spindle head assembly features pivot brakes on the primary arm pivot. Basically, this means you are assured of an extremely stable head assembly for the ultimate in precision contact. Also capable of holding multiple wheels with a special hub.

Control Panel

The control panel is simple and easy to operate. Large digital readouts tell you the table speed in rpms, and the pneumatic pressure in psigs. Speed adjustment is controlled by a dial knob, and the table rotation setting in degrees is accurately locked in by hand.





Hand Held Operator Control

For freedom of movement and working flexibility, the control panel has a hand held operator control with a coil-type extension control. The hand held unit features the most often used controls: the emergency stop, vacuum coolant, and spindle starts and stops.

Options

Digital Electronic Operation

A highly sensitive electronic transducer monitors the pressure in the cylinder head which pulls the arm against the glass to give sensitive, adjustable diamond and polish wheel pressure on the glass.





Cerium Attachment

This option allows you to obtain a high clarity finish by conveniently attaching a cerium pump and tank unit to the arm of the beveller. The entire unit plugs directly into main console.

Small Parts Table

An electronically powered, lightweight aluminum assembly which operates off the same speed control as the main table. It will hold up to a 24" diameter piece of glass, and allows edging as small as 3-1/4" diameter, or bevelling 5" in diameter.



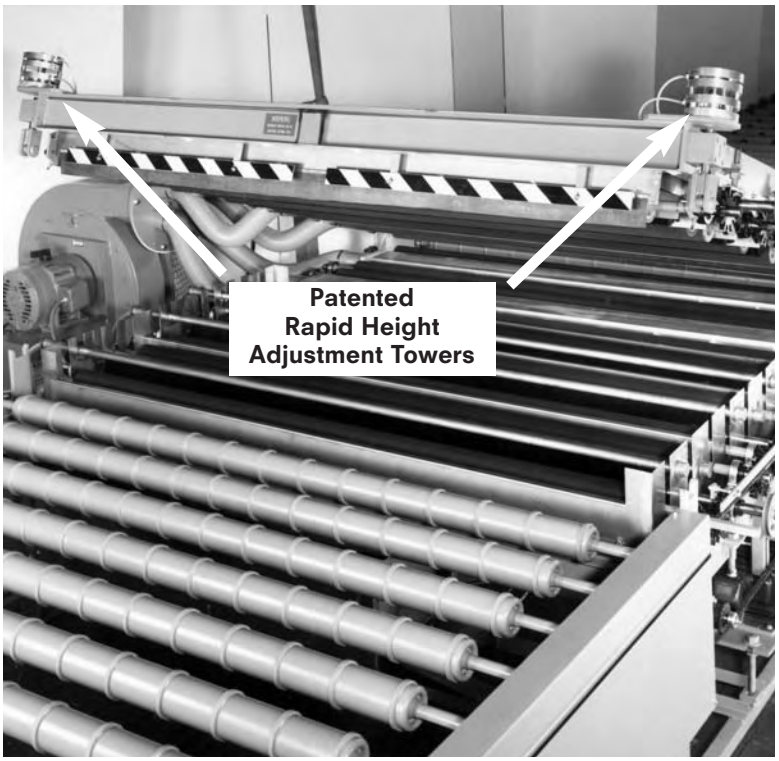
Somaca Shape Bevel Edger Machine Wheels

Model SBE-1

PART NO.	Type	Dimensions	Grit
3-88037-01	Metal Bond Diamond Bevel Grind	6″	100
3-88037-02	Metal Bond Diamond Bevel Grind	6″	120
3-88037-03	Metal Bond Diamond Bevel Grind	6″	140
3-88036-00	Resin Bond Diamond Bevel Smooth	6″	170
3-88036-01	Resin Bond Diamond Bevel Smooth	6″	230
3-88036-02	Resin Bond Diamond Bevel Smooth	6″	270
3-88038-00	Artifex Rubber Smoother w/Adapter	6″	46
462-0227-8	Replacement Smoother for Above Assembly		
3-88038-01	Artifex Rubber Smoother w/Adapter	6″	60
462-0227-7	Replacement Smoother for Above Assembly		
3-80335-00	Felt Bevel Polish Wheel w/Adapter	6″	
462-0721-6	Replacement Felt Ring for Above Assembly		
	Peripheral Edging Wheels		
3-88164-02	O.G. Edge for 3/4″ Glass	4″	100 - 120
3-88164-06	O.G. Edge for 3/4″ Glass	4″	325 - 400
3-88165-02	O.G. Edge for 1/2″ Glass	4″	100 - 120
3-88165-06	O.G. Edge for 1/2″ Glass	4″	325 - 400
3-88182-02	Pencil Edge for 1″ Glass	4″	100 - 120
3-88182-06	Pencil Edge for 1″ Glass	4″	325 - 400
3-88183-02	Pencil Edge for 3/4″ Glass	4″	100 - 120
3-88183-06	Pencil Edge for 3/4″ Glass	4″	325 - 400
3-88184-04	Pencil Edge for 12″ Glass	4″	170 - 210
3-88184-06	Pencil Edge for 1/2″ Glass	4″	325 - 400
3-88185-04	Pencil Edge for 3/8″ Glass	4″	170 - 210
3-88186-04	Pencil Edge for 1/4″ Glass	4″	170 - 210
3-90105-04	Flat & Seam Edge 1/4″ Glass	4″	170 - 200
3-88033-02	Flat & Seam Edge for 3/8″ Glass	4″	100 - 120
3-88033-04	Flat & Seam Edge for 3/8″ Glass	4″	325 - 400
3-88034-02	Flat & Seam Edge for 1/2″ Glass	4″	100 - 120
3-88034-06	Flat & Seam Edge for 1/2″ Glass	4″	325 - 400
3-88034-04	Flat & Seam Edge for 1/2″ Glass	4″	170 - 200
3-88161-02	*Flat Edge Only for 3/4″ Glass	4″	100 - 120
3-88161-06	*Flat Edge Only for 3/4″ Glass	4″	325 - 400
3-88187-02	*Flat Edge Only for 1/2″ Glass	4″	100 - 120
3-88187-06	*Flat Edge Only for 1/2″ Glass	4″	325 - 400
3-88187-04	*Flat Edge Only for 1/2″ Glass	4″	170 - 200
3-88160-04	*Arris (Seam) Plate for 1/2″ & 3/4″ Flat Edge	4″	170 - 200
	*Use 2 Arris Seam Plates w/Flat Edge Wheel		
3-88188-02	Miter Edge @ 54 Degree Angle up to 3/4″ Glass	4″	100 - 120
3-88188-06	Miter Edge @ 54 Degree Angle up to 3/4″ Glass	4″	324 - 400
	Polish Wheels		
3-89283-04	Artifex Polish 1/8″ to 3/4″ Glass	6″ x 1″	60
3-89283-05	Artifex Polish 1/8″ to 3/4″ Glass	6″ x 1″	180
3-89283-06	Polish 1/8″ to 3/4″ Glass	6″ x 1″	9R
3-89283-07	Polish 1/8″ to 1″ Glass	6″ x 13/16″	9R
3-89283-08	Polish 1/8″ to 3/4″ Glass	6″ x 1″	Euroflex
3-89283-03	Polish 1/8″ to 1″ Glass	6″ x 13/16″	Euroflex
3-89283-01	Felt Polish Ring	6″ x 13/16″	
372-1120	Economy Rubber Polish 1/4″ to 3/8″ Glass	6″ x 9/16″	120
372-1240	Economy Rubber Polish 1/4″ to 3/8″ Glass	6″ x 9/16″	240
372-1400	Economy Rubber Polish 1/4″ to 3/8″ Glass	6″ x 9/16″	400
372-2120	Economy Rubber Polish 3/8″ to 1/2″ Glass	6″ x 9/16″	120
372-2240	Economy Rubber Polish 3/8″ to 1/2″ Glass	6″ x 9/16″	240
372-2400	Economy Rubber Polish 3/8″ to 1/2″ Glass	6″ x 9/16″	400
372-3120	Economy Rubber Polish 1/2″ to 3/4″ Glass	6″ x 9/16″	120
372-3240	Economy Rubber Polish 1/2″ to 3/4″ Glass	6″ x 9/16″	240
372-3400	Economy Rubber Polish 1/2″ to 3/4″ Glass	6″ x 9/16″	400
372-4120	Economy Rubber Polish 3/4″ to 1″ Glass	6″ x 9/16″	120
372-4240	Economy Rubber Polish 3/4″ to 1″ Glass	6″ x 9/16″	240
372-4400	Economy Rubber Polish 3/4″ to 1″ Glass	6″ x 9/16″	400
	Extra Wheel Hubs		
3-85005-00	Mounting Hub for All Wheel Types	6″	140 - 170
3-85005-01	Mounting Hub Holds (2) Edge Wheels/Max 1/2″ Glass		
3-88203-00	Edge Polish Wheel Compression Adapters		
	Dress Plates & Sticks		
462-0588-3	3/4″ Board	8″ x 6″	120
452-0587-1	1/4″ Stick	2″ x 7″	220

Glass Washing Machines

Sommer & Maca Manufactures a Complete Line of New Tilt-Top Glass Washers from 12"(4.7cm) to 144"(56.7cm) Wide



New Features Include:

- **Fast Speeds**
- **Tilt Top Design**
- **One Second Adjustment for Glass Thickness (Optional)**
- **More Corrosion Resistance**
- **New Air Blast System**

Sommer & Maca Tilt-Top washer's offer quick, easy access to the machine's interior for cleaning and maintenance. Machine pictured in open top position.

Modern Design

Somaca's horizontal glass washers have the latest design features. Our six brush glass washing machine's processing speed has been increased up to 35 feet per minute. We can fabricate machines to process at any speed you need. The horizontal glass washers have a **tilt-top design.** The top will tilt from either end and can be supplied with an optional hydraulic lifting device. In fact, the top can be lifted straight off with an overhead crane. Access to the inside of the machine is important to perform maintenance on spray nozzles, or replace brushes.

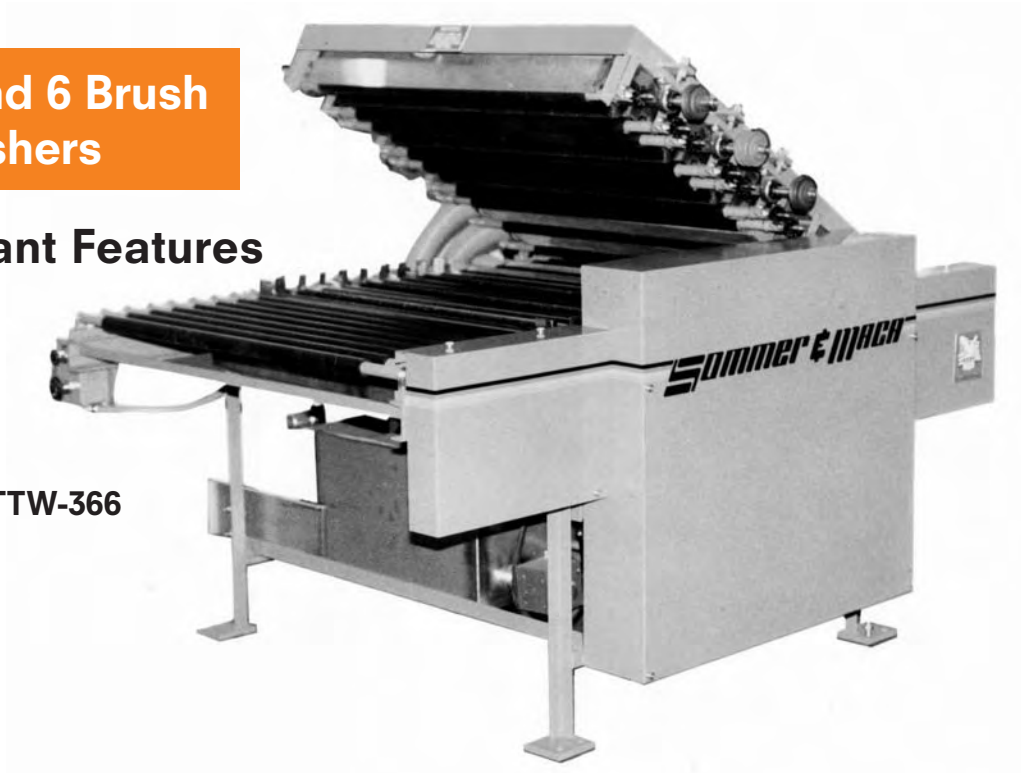
Glass fabricators will be interested in the **patented rapid height adjustment system.** This option allows the machine operator to raise the upper section in one second from 1/4" to 1/2" glass. To adjust 1/2" to 3/4" glass also takes only one second.

The corrosion resistance of horizontal machines has been enhanced by adding stainless steel to the spray compartment walls and to the brush and roller journals. We also use non-corrosive recirculating pumps, and have located all bearings outside the wet area.

To enhance the drying capability, the **air blast drying system** has been completely redesigned. As a result, glass can be loaded on the conveyor in a squared position, and dried. Some competitive washers require the glass be loaded on the conveyor in a diagonal position so the trailing edge can be dried.

36" Glass Washing Machine

Somaca 36" 4 and 6 Brush Tilt-Top Washers



Model TTW-366

Corrosion Resistant Features

Capacity
Accepts glass in any shape with a single dimension of 5-1/2" from single strength to 1/4". Variable line speed is 5 to 35 feet per minute.

Brushes
Brushes are 3-1/2" diameter by 37" long with spiral wound bristles. Brush height is adjustable and they are V-belt driven.

Drying System
Air blast drying system uses 10HP pressure blower. It pressurizes plant air and forces it through top and bottom blast tubes to dry both surfaces of the glass. The baffled enclosure covered drying system reduces noise.

Rollers
Solid rubber covered conveyor feed and pinch rollers throughout machine.

Bearings
Heavy duty, standard ball bearing units insure long life and are readily available for easy replacement.

Frame
Frame is a steel weldment, consisting of an entry conveyor section, main washing section, and an exit conveyor section. Tilt-top design for easy maintenance.

Electrical
Control panel is built to NEMA 12 specifications to meet OSHA requirements. Every panel is UL approved. Power requirements are 3 phase, 60 cycle, 208/230/460 volt. International voltages are available on special order.

Water
One spray pipe per brush applies the detergent solution or water. Threaded pipe plug ends allow easy cleaning. Water consumption without miser rinse is about 4.5 GPM.

Options
Recirculated detergent system, miser rinse system, hydraulic power tilt, de-ionized water protection package and an induction static eliminator are all available.

Model	Style	Brush Motors	Width	Length	Height	Shipping Weight
TTW-364	36" 4 Brush	1-1/2HP	4'6"*	6'4"	3'6"	1500 lbs.
TTW-366	36" 6 Brush	2HP	4'6"*	6'4"	3'6"	1650 lbs.

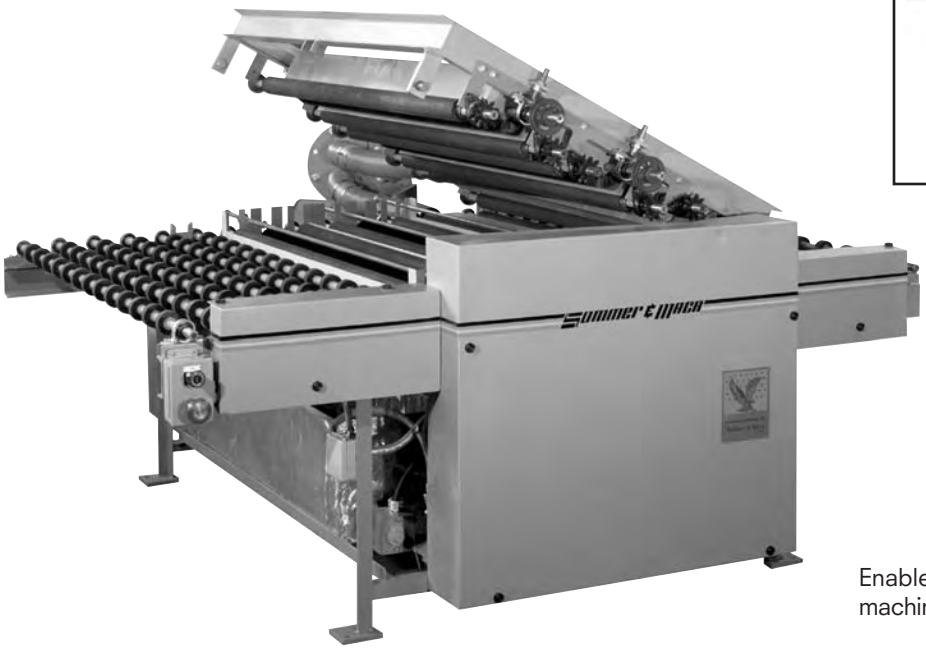
* Not Including Blower

60" Glass Washing Machine

Somaca 60" 4 and 6 Brush Tilt-Top Washers



Corrosion Resistance Features



Sommer & Maca Tilt-Top Washers Open From Either Side

Model TTW-604 Shown

Patented Rapid Height Adjustment Option

Enables operator to raise upper section of machine in one second from 1/4" to 1/2" glass.

Capacity

Accepts 0.050 to 1/2" glass from a minimum 9-1/2" square to full width by 9-1/2" or longer lengths. TTW-604 line speed is 0 to 10 feet per minute. TTW-606 machine speed is up to 35 FPM.

Brushes

Brushes are 5" in diameter by 61" long, with spiral wound bristles. Brush height is adjustable. Brushes are V-belt driven by a 3HP motor.

Drying System

Air blast drying system uses pressure blower. It pressurizes plant air and forces it through top and bottom blast tubes to dry both surfaces of the glass. The baffled enclosure covered drying system reduces noise.

Rollers

Solid rubber covered feed and pinch rollers are in the main washing section. Conveyor rollers are ring type, with rubber rings cemented to the core.

Bearings

Heavy duty, standard ball bearing units insure long life and are readily available for easy replacement.

Frame

Frame is a steel weldment, consisting of an entry conveyor section, main washing section, and an exit conveyor section. Tilt-top design for easy maintenance.

Electrical

Control panel, is built to NEMA 12 specifications to meet OSHA requirements. Every panel is UL approved. Power requirements are 3 phase, 60 cycle, 208/230/460 volt. International voltages are available on special order.

Water

One spray pipe per brush applies the detergent solution or water. Threaded pipe plug ends allow easy cleaning. Water consumption without miser rinse is about 8 gpm @ 7 PSI.

Options

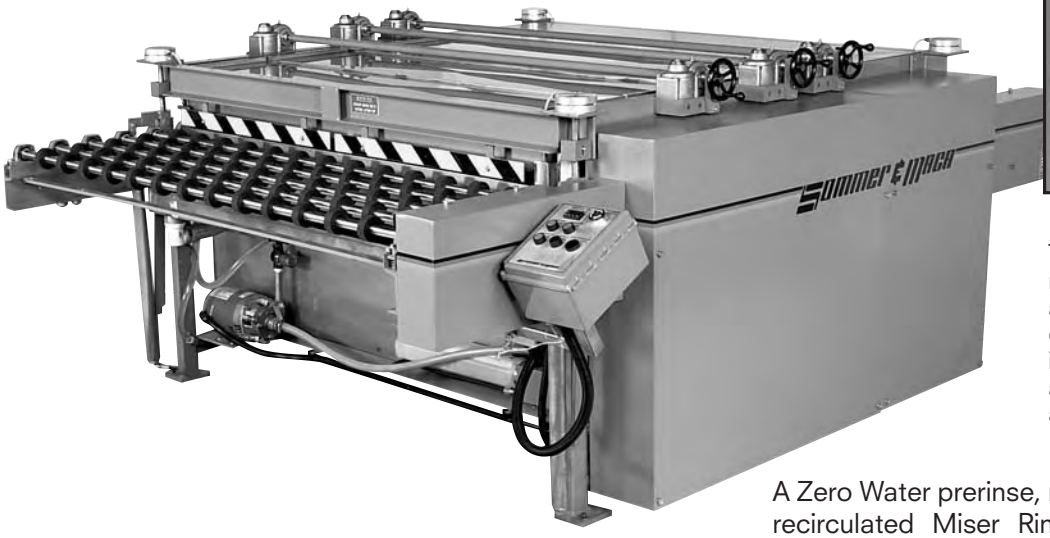
Recirculated detergent system, miser rinse system, Rapid Height Adjustment System, de-ionized water protection package, Low-E brushes, hydraulic power tilt, and induction static eliminator.

Model Number	Style	Brush Motors	Width	Length	Height	Shipping Weight
TTW-604	60" 4 Brush	Two 2HP	7'0"*	8'0"	7'0"	2,550 lbs.
TTW-606	60" 6 Brush	Two 2HP	7'0"*	9'1"	10'6"	3,600 lbs.

* Not Including Blower

60" Heavy Duty Glass Washing Machine

Somaca 60" Heavy Duty 6 Brush Tilt-Top Washer with Prerinse





Operator Control Station
The washers control station is mounted to the loading conveyor and faces the operator. A digital display provides temperature information. A low water level alarm and an emergency stop are also standard.

A Zero Water prerinse, recirculated heated detergent, recirculated Miser Rinse and an Automatic fresh water solenoid are standard features.

Capacity
Accepts 0.050 to 1/2" glass from a minimum 9-1/2" square to full width by 9-1/2" or longer lengths. The Heavy Duty TTW-606 machines speed is variable up to 35 FPM.

Zero Water Prerinse
Jetted spray bars remove (packing powder) from the glass. This rinse minimizes contamination to the detergent system. Water is fed by the recirculating miser rinse system.

Brushes
Brushes are 6" in diameter by 61" long, with spiral wound dense filled bristles on Stainless steel journals. Brush height is adjustable. A 3HP motor drives the brushes.

Drying System
Air blast drying system uses pressure blower. It pressurizes plant air and forces it through top and bottom blast tubes to dry both surfaces of the glass. The baffled enclosure covering the blast tubes reduces noise.

Rollers
Solid (precision ground, non-marking) Nitril covered feed and pinch rollers with stainless steel journals are used in the main washing section. Exterior conveyor rollers have non-marking Nitril rings mounted to stainless steel journals.

Bearings
Heavy duty, relubricable ball bearing units mounted in cast housings insure long life .

Frame
Frame is a steel and stainless steel weldment, consisting of an entry conveyor section, main washing section, and an exit conveyor section. Tilt-top design for easy maintenance.

Electrical
Control panel, is built to NEMA 12 specifications to meet OSHA requirements. Every panel is UL approved. Power requirements are 3 phase, 60 cycle, 208/230/460 volt. International voltages are available on special order.

Water
Fanned spray jet spray pipes in prerinse compartment. One spray pipe per brush applies the detergent solution or rinse water. Threaded pipe plug ends allow easy cleaning. Water saving features reduced consumption to 4 gpm @ 7 PSI.

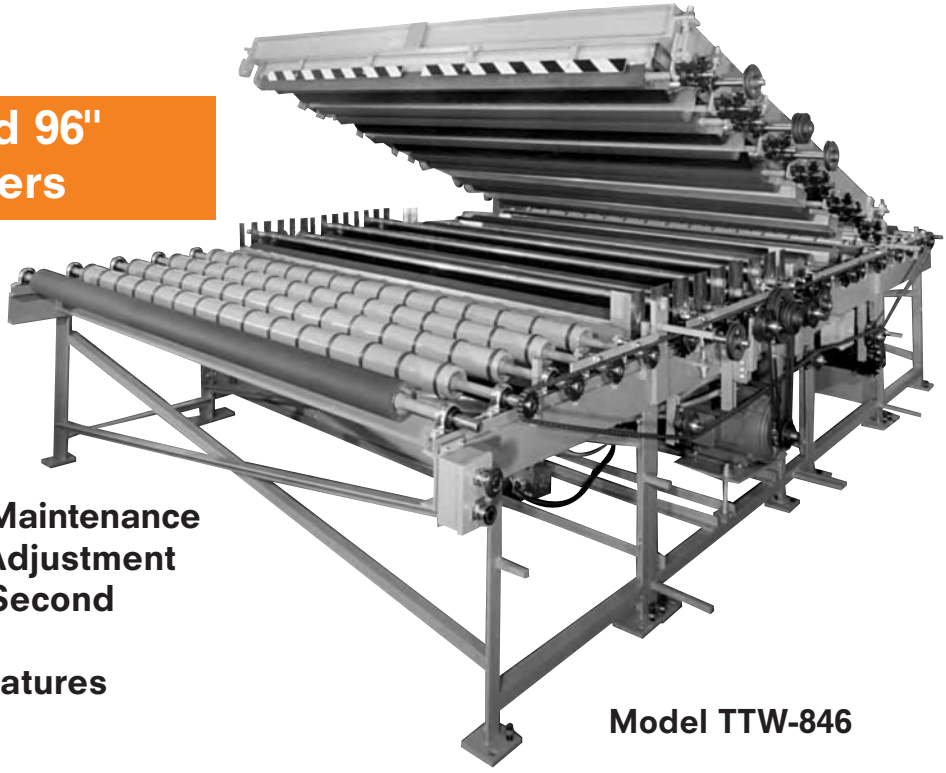
Options
Patented Rapid Height (one second) Adjustment System, Stainless spray bars for de-ionized water protection, Low-e brushes, Low-e surface detector, hydraulic power tilt, and induction static eliminator.

Model Number	Style	Brush Motors	Width	Length	Height	Shipping Weight
HDTTW-606	60" 6 Brush	Two 2HP	7'0"*	10'	4'	4,050 lbs.

* Not including Blower

84" & 96" Tilt-Top Glass Washers

Somaca 84" and 96" Tilt Top Washers



- **Tilt-Top Design for Easy Maintenance**
- **Patented Rapid Height Adjustment System Allows for One Second Thickness Changes**
- **Corrosion Resistance Features**

Model TTW-846

Capacity

Accepts single strength to 3/4" glass from a minimum 13" wide x 16" long, to full width by 16" or longer lengths. Line speed is 6 to 35 feet per minute.

Brushes

Brushes are 6" in diameter by 85" or 97" long, with spiral wound bristles. Brush height is adjustable. Brushes are V-belt driven.

Drying System

Air blast drying system uses a pressure blower. It pressurizes plant air and forces it through 4 blast tubes, 2 top and 2 bottom, to dry both surfaces of the glass. Baffled noise enclosure covered drying system reduces noise.

Rollers

Solid rubber covered feed and pinch rollers are in the main washing section. Conveyor rollers are ring type, with rubber rings cemented to the core. All rollers are made of heavy wall steel tubing.

Bearings

Heavy duty, standard ball bearing units insure long life and are readily available for easy replacement.

Frame

Frame is three part steel weldment, consisting of a 3' entry conveyor, main washing section and 3' exit conveyor. Tilt-top design for easy maintenance.

Electrical

Control panel, is built to NEMA 12 specifications to meet OSHA requirements. Every panel is UL approved. Power requirements are 3 phase, 60 cycle, 208/230/460 volt. International voltages are available on special order. 84" draws 125 amps; 96" draws 150 amps.

Water

One spray pipe per brush applies detergent solution or water. Threaded pipe plug ends for easy cleaning. Water consumption without miser rinse is about 10/12 gpm.

Options

Recirculated detergent system, miser rinse system, and fresh water saver are optional. Patented Rapid Height Adjustment System, powered hydraulic lift system, de-ionized water protection package and induction static eliminator are also available.

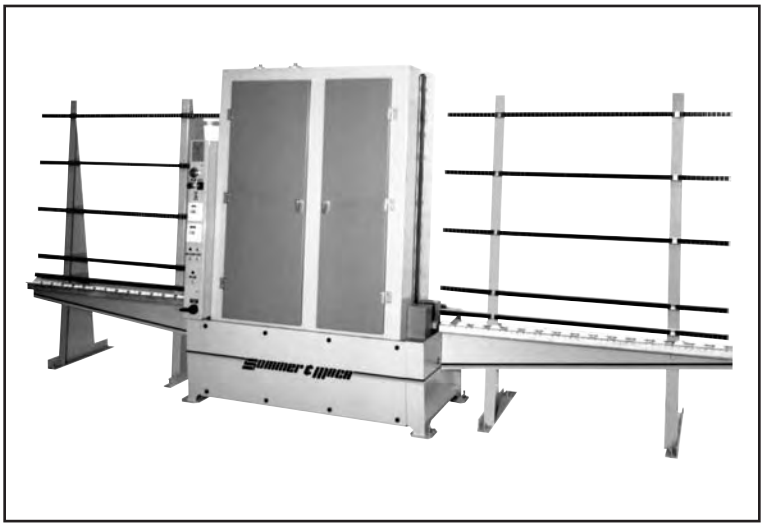
Model Number	Style	Brush Motors	Width	Length	Height	Shipping Weight
TTW-844	84" 4 Brush	5HP	10'0"*	13'11"	7'8"	5,010 lbs.
TTW-846	84" 6 Brush	5HP	10'0"*	13'11"	7'8"	5,450 lbs.
TTW-964	96" 4 Brush	5HP	11'0"*	13'11"	7'8"	5,310 lbs.
TTW-966	96" 6 Brush	5HP	11'0"*	13'11"	7'8"	5,750 lbs.

* Not Including Blower

60" Open Top Vertical Washers

Somaca 60" Vertical Heavy Duty Washer

Washes Glass Single Strength to 3/4" Thick to 60" High in One Pass!
Almost No Adjustments Necessary - Very Operator Friendly!



CAPACITY

Somaca's Vertical Washer can wash glass up to 60" in one pass, and up to 120" in two passes. If you are processing smaller glass, strips as little as 2" x 12" can be washed. As options, you have either two or four brushes, and a motorized conveyor.

OPERATOR FRIENDLY

You don't have to worry about continually adjusting the brush drive belt, because our vertical washer uses positive drive cog belts and the roller drives are gear driven so you can forget about belt and chain adjustments.

BRUSH LIFE

Long brush life can be expected as brushes can wear up to 3/4" before replacement. Brush reversing allows even brush wear, and reversal, or replacement, is easy because of the quick connect brush design. Full size 5" dia. nylon bristle brushes are safe for "Low-E" coatings.

Specifications

- 22' long x 8' high x 5' wide
- Electrical - 208/230 volt, 3 phase, 50 amps, 60 cycle
- Load Capacity - 350 lbs.
- Installation - no factory service technician is required
- Machine Speed - 15' per minute
- Weight: 3,000 lbs.

Somaca 60" Vertical Economy Washer

Packed with All the Standard Features Needed for I.G. Manufacturing!

Somaca's Vertical Economy Washer can wash glass to 60" in one pass, and up to 120" in two passes. You can wash glass from single strength to 1/2" thick and from a minimum size of 4" x 16" long. A small parts adapter is available to reduce the minimum glass size to 4" x 12" long.



Feature Packed

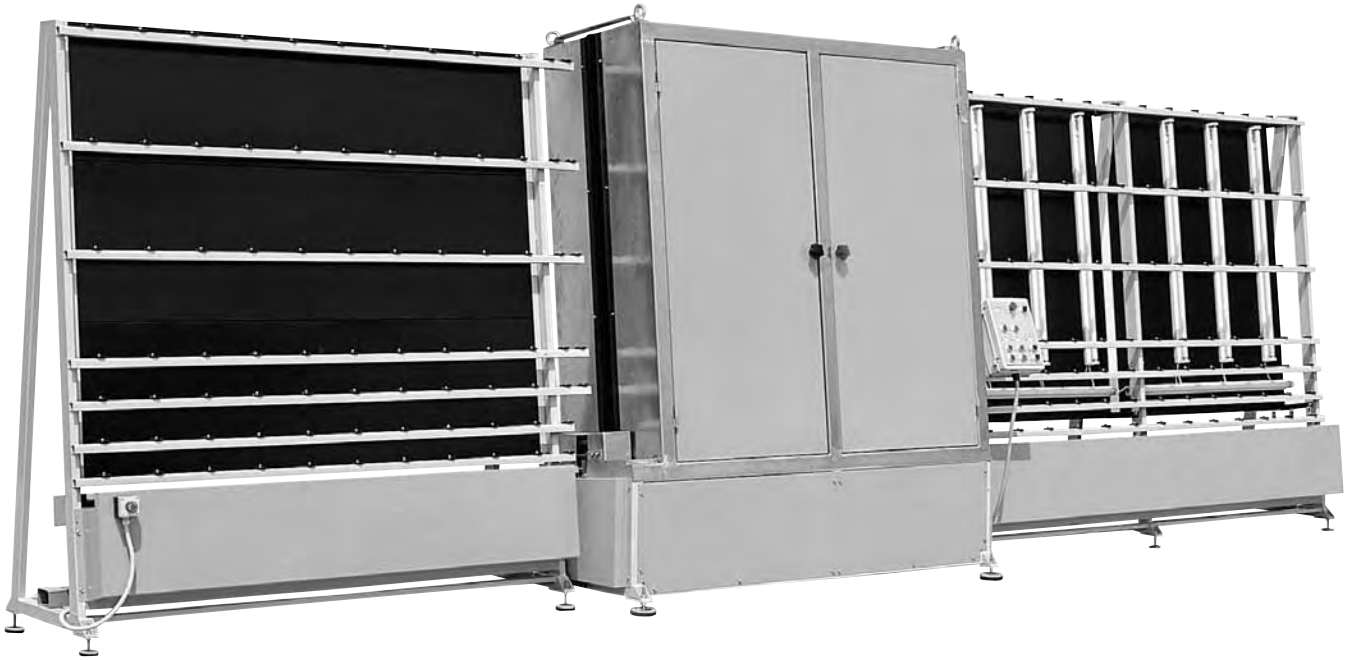
Frame components in contact with the washing areas are made of stainless steel. Recirculated heated detergent, recirculated miser rinse, and a fresh water electric solenoid valve are standard. Also included are glass inspection lights on the exit conveyor.

Specifications

- 18-1/2' long x 8' high x 5' wide
- Electrical - 220/230 volt, 3 phase, 40 amps, 60 cycle
- Load capacity: 300 lbs.
- Nylon brushes for Low "E" glass are standard
- Installation - no factory service technician required
- Machine Speed - 4' to 18' per minute
- Weight: 2,500 lbs.

Closed Top Vertical Glass Washer

Somaca VW-636, 6-Brush Vertical Glass Washer



Cleans Single Strength to 1/2" Thick Glass up to 63" High

Somaca's closed top washer features all stainless steel machine body parts that come in contact with water. There are four doors, two in the front and two in the back, for access to the internal washing and drying areas. Three pairs of 4.7" diameter, low-e nylon brushes with 0.004" bristles are standard. The brushes operate at 280 rpm. Three stainless steel pumps for recirculating detergent and rinse water are included. Final spray rinse is by fresh water.
The drying section is equipped with two pairs of air knives - one diagonal, and one heated vertical pair. Blowers are enclosed in a sound enclosure.
Also features power driven 55" ingoing and outgoing conveyors, and fluorescent glass inspection lights on the outgoing side. Conveyor speed is from 6 fpm to 36 fpm.
Power service requirement is 40 amps @ 460 volt, 3-phase power.
The standard minimum glass size is 4" x 16.5" long. An optional small parts adapter allows for 4" x 12" long glass.

79", 98" and 118" Tall Models & Heavy Glass Washers

Somaca's closed top washer is available in a heavy glass version with a capacity of single strength to 2" glass. Thickness adjustment is motorized with a digital thickness setting readout.
Users also have their choice of 79", 98" and 118" tall models. Minimum glass size is 4" x 16.5".

Low-E Accessories/Static Eliminator

SOMACA "Low-E" Washing Machine Detergent and Brushes





- Self-Adjusting PH to Water Conditioners
- Delimer to Help Keep the Machine Free of Dirt Build-Up
- Biodegradable and Approved for Use in All Drainage and Septic Systems

"Low-E" Washing Machine Detergent

Somaca "Low-E" is a specially formulated liquid detergent for use with all glass washing machines. It has been field tested to yield better results when cleaning "Low-E" soft coat glass. One gallon of concentrate will treat over 1000 gallons of water. Listed on H.B. Fuller "Acceptable List" for sealant adhesion performance. Do not use on mirrors.

"Low-E" Brushes

The wrong brush on soft coat "Low-E" glass can scratch the coating. Our special soft coat "Low-E" brushes can be installed on any old or new Somaca washer. They retain more water, and become super soft for a gentle, powerful cleaning action. Ask our Machinery Service Department at 1 800 323-9200 for more details.

"LOW-E" WASHING MACHINE DETERGENT

STOCK NO.	Size	Form	UNIT PKG.
337-9046	One Gallon	Liquid Concentrate	ONE
337-9048	55 Gallon	Liquid Concentrate	ONE

Induction Static Eliminator

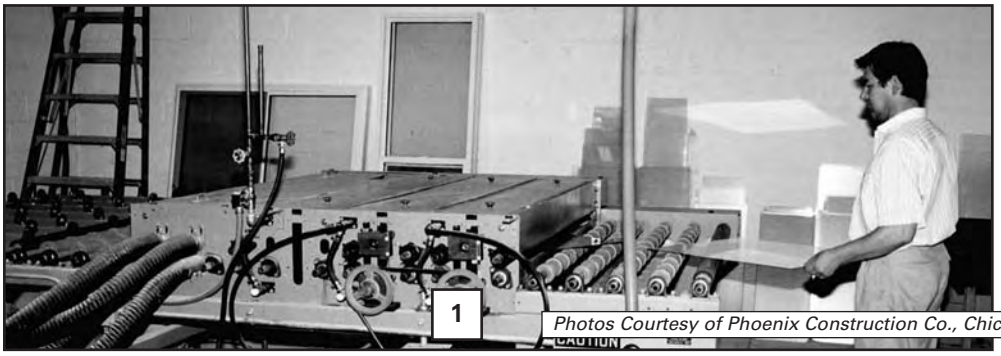


Problems with static electricity on some glass washing machines are due to the rubbing action of the brushes against the glass. The Induction Static Eliminator is completely non-electrical, and eliminates those annoying shocks that can be hazardous to operating personnel.

The Induction Static Eliminator is easy to install, comes self-contained, and will handle even the highest voltages to keep the static charge at an acceptable level. Standard size Static Eliminators come in 12" increments, ranging from 12" to 84" long. Custom sizes in 2" increments are available.

Insulating Glass Lines

Somaca Can Work With You to Create An Insulating Glass Line to Meet Your Budget and Production Needs



Photos Courtesy of Phoenix Construction Co., Chicago, Illinois



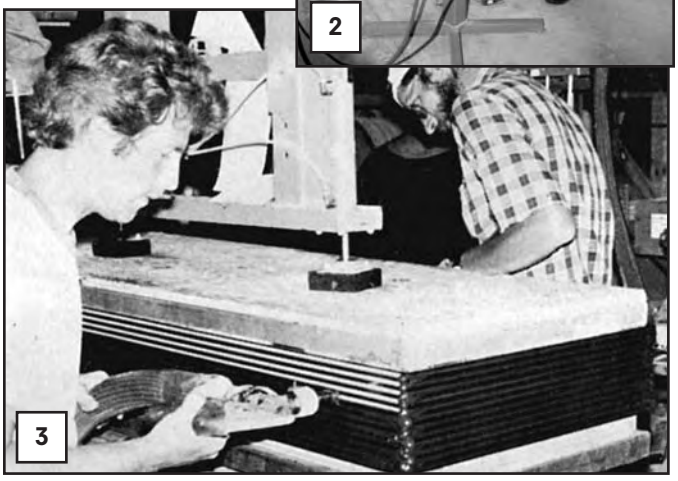
Sommer & Maca can fill all your insulating line needs and will be able to work within a wide budget range. From a basic Emergency Window repair facility to a Vertical Dual Seal Insulating plant that can produce 575 units per shift, our engineers and sales representatives can custom design a solution for any insulating glass production requirement.

Through a mutual dialog of asking questions, analyzing market potentials, and setting realistic production goals for your operation, we will help you plan the most efficient production facility possible.

Once your equipment is delivered, our technical people will offer you complete installation and maintenance services. And, at all times, our sales representatives are available for production reviews.

On the following pages, we have illustrated several options on insulating glass production lines and the suggested manpower on each line to achieve your manufacturing goals.

For more information on Sommer & Maca insulating line production equipment and services, call your nearest Somaca branch, *Toll Free!*

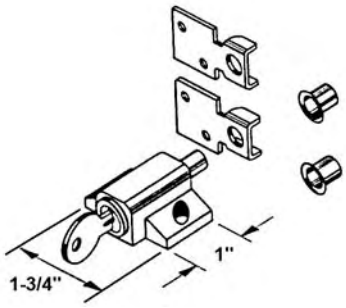


Basic Steps in the Manufacturing of Insulating Glass

1. After the glass is cut to size on a cutting machine, such as a Stalter, it is run through a glass washing machine.

2. Cleaned glass is transferred to a rotary work table for application of Super Spacer material. 3. The unit is then edge sealed.

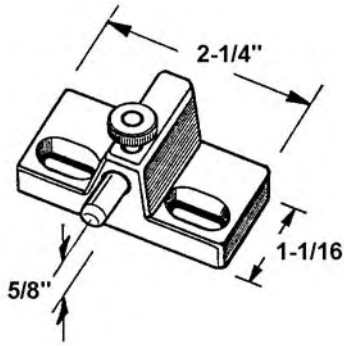




Painted diecast case with hardened steel bolt for push button locking; unlocks only with key; prevents prying or lifting of door; heavy-duty construction.

PUSH-IN KEYED LOCK

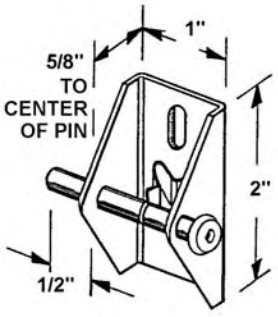
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1664	Aluminum	U-9861	2
347-1665	White	U-9862	2



Diecast painted housing with case-hardened steel bolt securely locks door in closed or ventilating position; prevents sliding or lifting of door.

SIDE BOLT LOCK

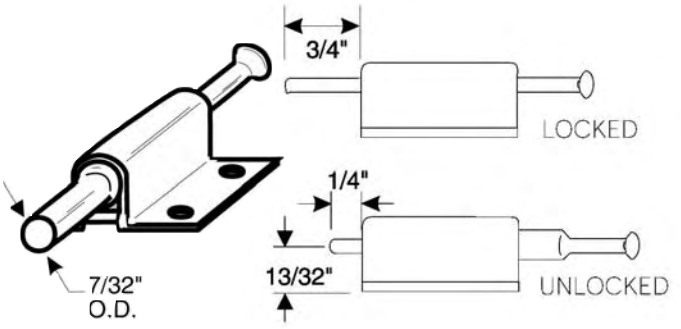
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1666	Aluminum	U-9866	2
347-1667	White	U-9867	2



Painted heavy gauge steel housing with hardened steel pin; securely locks door in closed or ventilating position; two position push/pull action prevents accidental lockout; also prevents sliding or lifting of door.

PUSH/PULL LOCK

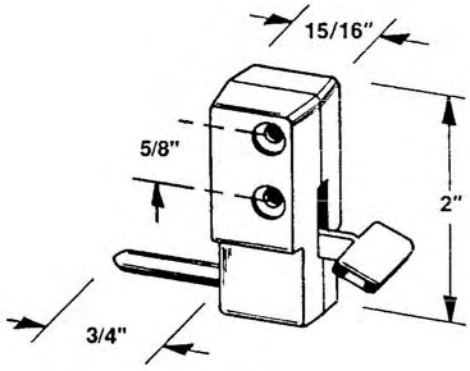
STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1668	Aluminum	U-9853	2
347-1669	White	U-9855	2



Painted diecast housing with steel bolt; securely locks door in closed or ventilating position.

PUSH/PULL LOCK

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1670	White	U-9874	2



Painted diecast housing with hardened steel bolt; securely locks door in closed or ventilating position; convenient foot operation; easy to install.

STEP-ON LOCK

STOCK NO.	Finish	Mfr. #	UNIT PKG.
347-1671	Aluminum	U-9877	1
347-1672	White	U-9879	1

SOMACA Power Tape Rules



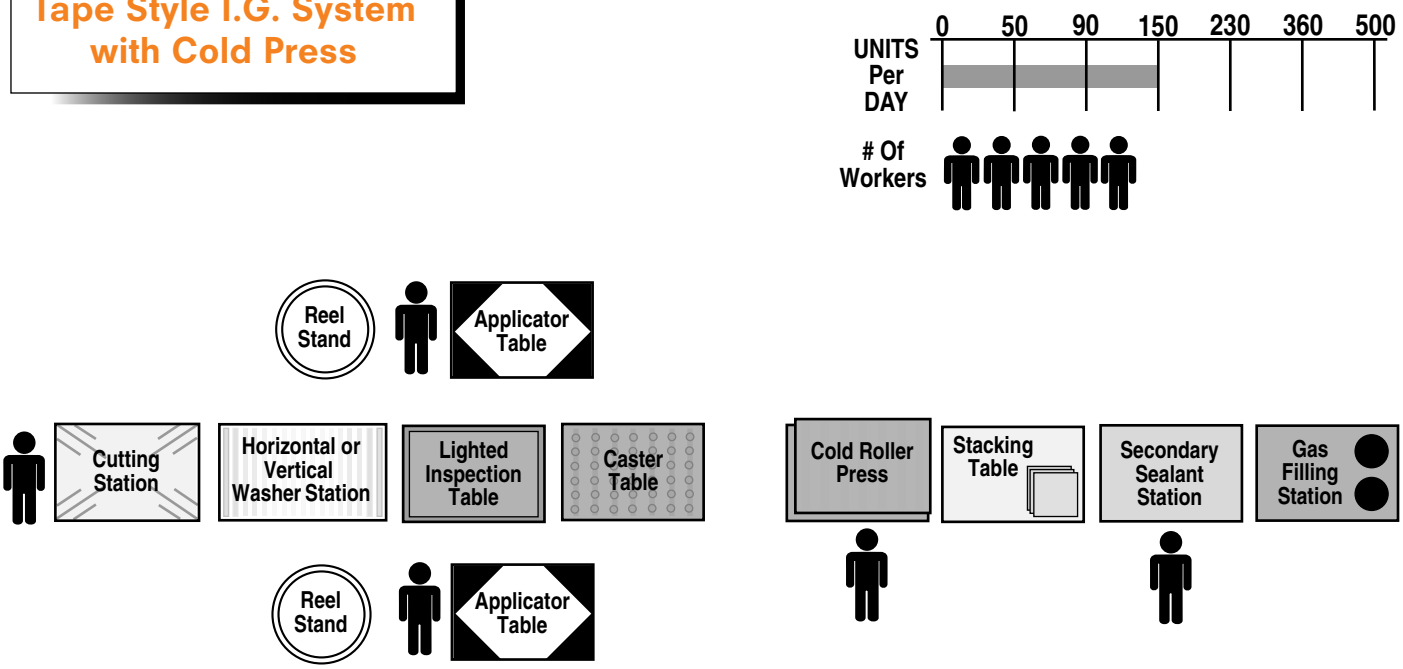
- 3/4" and 1" Wide Blades

Yellow Blade with Black and Red Figures

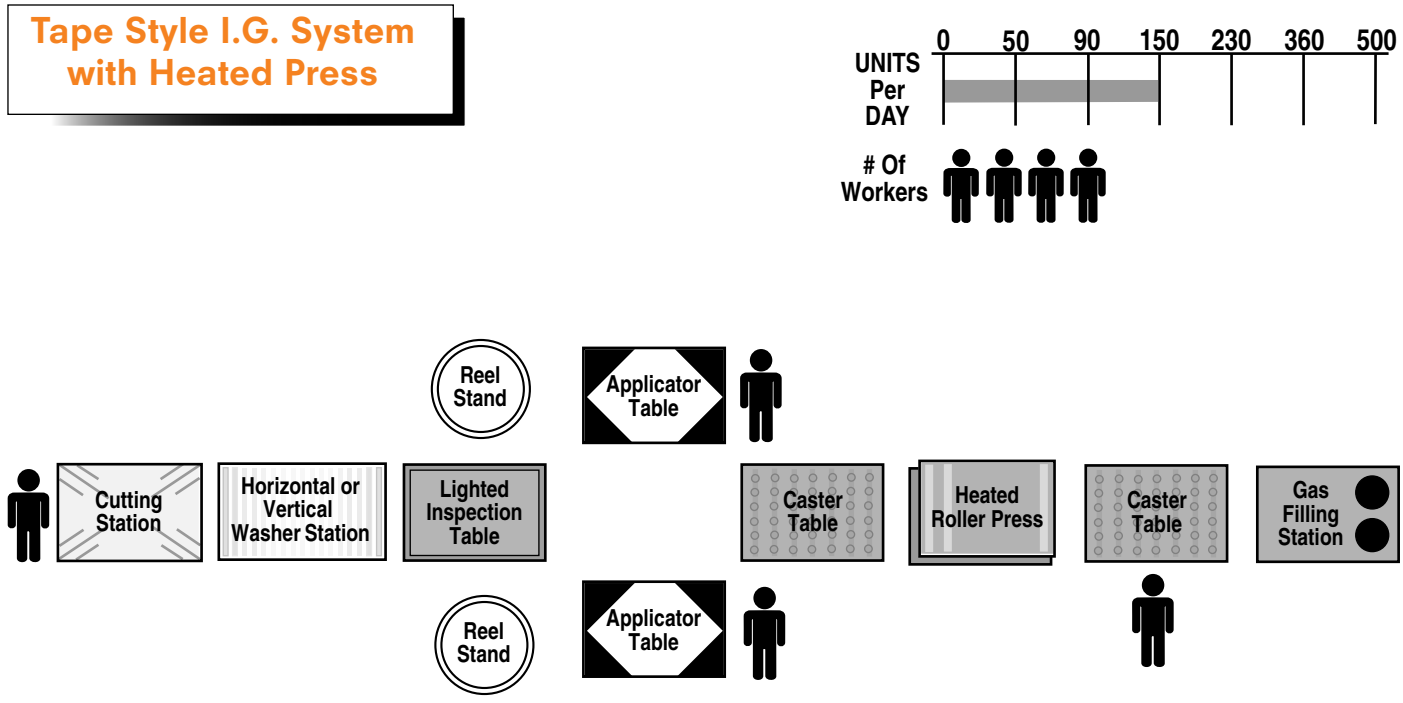
STOCK NO.	Blade Width	Length	UNIT PKG.
210-9412	3/4"	12 ft.	ONE RULE
210-9416	3/4"	16 ft.	ONE RULE
210-9425	1"	25 ft.	ONE RULE

Insulating Glass Lines

Tape Style I.G. System with Cold Press



Tape Style I.G. System with Heated Press



Insulating Glass - Vertical Production

Compact Dual Seal High Capacity Vertical Insulating Production Line.

Flexible System Produces 50 to 575 Units per Shift.



In addition to Sommer & Maca's production of horizontal and vertical washers, we also produce complete insulating glass systems. Our IG system is ideal for manufacturers with production needs of 50 to 575 units per shift. A variety of system options are offered, so you can customize the line to your requirements. Some of the available options are:

Vertical Washer - select washer height of 63" (1.6m), 79" (2.0m), or 98" (2.5m), and the maximum glass length to process 79" (2.0m), 110" (2.8m), or 142" (3.6m).

Assembly and Press Station - automatic or semi-automatic press stations are available.
Automatic: After inspection and push button confirmation, mechanical devices automatically position the second glass over the first glass and spacer frame. Spacer frame is applied manually.
Semi-Automatic - The second glass is manually positioned over the first glass and spacer frame.

Spacer Frame Assembly - We offer a wide range of profile cutting machines, PIB extruders, desiccant fillers, and an overhead spacer frame conveyor. In addition, we also offer a variety of tables - tilt sealing and unloading, cutting, hot melt clamp, and rotary. Our supply line of hot melt butyl, spacers, muntin bars, desiccants and gloves is extensive.

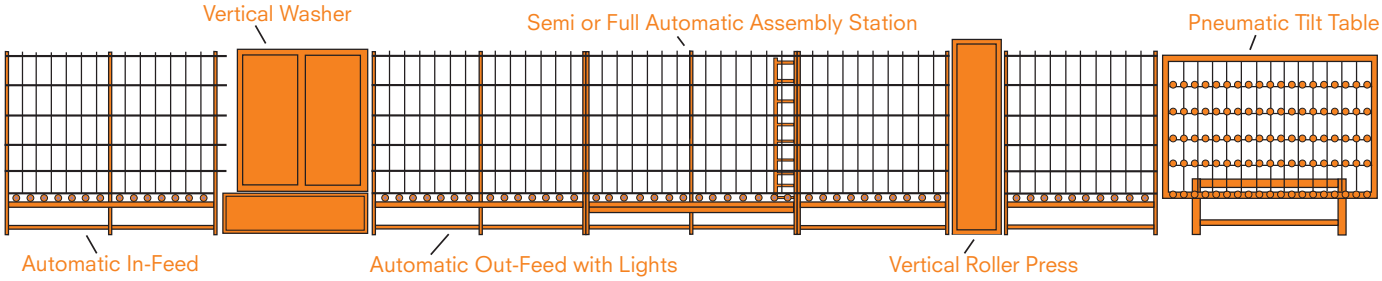
IG Sealing Equipment - two models of PIB extruders and several models of hot melt butyl extruders are available. There are also several models of gas filling machines, from two to five work stations.

One Year Possible Payback - our equipment typically generates a minimum of 30% savings over the purchase cost of identical dual seal insulating units. The following example is based on 60 units per day:

Typical Purchased Unit Cost per Sq. Ft. $3.05
Typical Manufactured Unit Cost Per Sq. Ft.....$1.76
Savings per Sq. Ft $1.29

Average Insulating Unit is 9 Square Feet
Savings ($1.29 x 9) are $11.61 per Unit!

INSULATING GLASS SYSTEM - FRONT VIEW



Somaca IG Systems and Specifications



Photo courtesy of Allied Glass, Cedar Rapids, IA

Vertical Washer Height (inches)	Maximum Glass Length (inches)	Assembly & Press Stations	Tilt Sealing Unload Table	System Number
63	78	Automatic	Included	631A
63	78	Semi-Automatic	Included	631S
63	110	Automatic	Included	632A
63	110	Semi-Automatic	Included	632S
79	110	Automatic	Included	791A
79	110	Semi-Automatic	Included	791S
79	140	Automatic	Included	792A
79	140	Semi-Automatic	Included	792S
98	140	Automatic	Included	981A
98	140	Semi-Automatic	Included	981S

Insulating Glass/Sealing Equipment

Rotary Sealing Table



Rotating table for sealing insulating units. Minimum working dimensions are 12.6" (320mm) x 24.4"(620mm). The maximum dimensions are 47.25" (1,200mm) x 83.7" (2,100mm) with arms extended. Pneumatically adjusted work height. Two 4 1/2" vacuum cups on top for a positive grip of the insulating glass unit. Foot switch controls for rotation and stops. To seal small insulating glass panes 4.75" (120mm), simply place a vacuum cup module on the base vacuum cups of the rotating sealing table.

RST1 . . . Factory # 4700170-0
Small Parts Table . . . Factory # 4700171-0

Hot Melt Butyl Extruders





"Super Squirt" Mark II Hot Melt Extruder
Make up to 100 Units a Day!

STOCK NO. 230-5219. Ten pound sealant capacity. Warms-up in 45 to 60 minutes. Practically maintenance free. Wide selection of nozzle sizes from 3/16" to 3/4".

Somaca Hot Melt Extruder
300 to 400 Units a Day!

STOCK NO. 230-8001 - Hopper holds 44 lbs. of sealant. Smooth, controlled sealant flow. Temperature fail-safes prevent incorrect temperature applications. Digital readouts.

SEE PAGES 585, 588 AND 694 FOR OTHER EXTRUDERS

Timed Gas Filling Stations

Machines With Multiple Workstations to Fill Insulating Glass Units with Argon (AR), Sulfur Hexafluoride (SF6), and Krypton (KR)



Conventional Filling Systems - GT2 and GT5

The GT2 gas filler has two independently controlled workstations, the GT5 has five. Each workstation is timer controlled. The range of gas output can be regulated from 1.2 to 2.2 gallons per minute (4.4-8.5 liters per minute). A timetable is included to calculate the fill requirement for any size insulating glass unit and determine timer setting. A heavy-duty bottle regulator with safety valve, gas filling lances and operating instructions are included.

High Speed Filling System - GHST2

The GHST2 gas filler has two independently controlled workstations. By using a venturi port vacuum generator to assist with gas filling, the GHST2 operates five to nine times faster than Conventional Filling Systems. The length of the filling phase is programmed according to the size (volume) of the insulating glass unit. The timed system controls a regulated high volume, low pressure gas fill along with a simultaneous air evacuation of the spacer cavity at identical flow rates. This balanced gas filling technique eliminates any pressure differential in the insulating glass unit. A timetable is included to calculate the fill requirement for any size insulating glass unit and determine the timer setting. A heavy-duty bottle regulator with safety valve, gas filling lances and operating instructions are included.

Insulating Glass/Spacer Assembly

Spacer Cutting Machines



Two models are available. CS1 with a ruler measurement of the frame length is pictured. CS2 has a digital display. Both have a foot activated pneumatic clamp and saw.
Loading and measurement arms of the ruler model are each 118" (3,000mm) long. The ruler model measures 36" H (910mm) x 20" W (500mm) x 273" L (6,950mm), including spacer supports. 203V/60 cycle.
The digital display version is slightly larger: 36" H (910mm) x 24" W (600mm) x 287" L (7,300mm), including spacer supports. 230V/60 cycle.

CS1 . . . Factory # 4700160-0
CS2 . . . Factory # 47001671-0

PIB Extruders



Pictured is our Model KG 2.5 with a butyl cartridge capacity of 5.5 lbs. Manual activation of round and oval profiles. Easy to read and operate control panel.
Somaca also offers a larger KG 7 extruder with a 15.5 lbs. butyl capacity. It has all the same features as the KG 2.5, and both models have a working speed of 59 ft. per min.
Available in 230 or 460 volts. **See pages 584, 588 for Butyl.**

Kg 2.5 . . . . Factory # 4700150-0 - 230 Volt.
Kg 2.5 . . . . Factory # 47001520 - 460 Volt.
Kg 7 . . . . . Factory # 47001530-0 - 230 Volt.
Kg 7 . . . . . Factory #47001530 - 460 Volt.

Desiccant Fillers

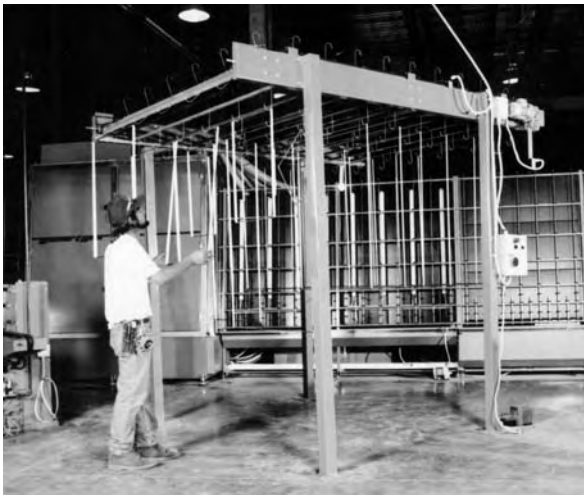


VDF-1

Select either a vibrating desiccant filler, VDF-1 shown, or a heavy duty gravity fed desiccant filler, Stock No. 240-2105. Vibrating model holds 5.5 gallons (25kg) of desiccant, with a maximum load of 20 spacers. Pneumatically operated. 65" H (1,650mm) x 14.2" W (360mm) x 90.5" L (2,300mm).
The heavy duty gravity feed filler has a 12 gauge steel hopper that holds more than 30 gallons of desiccant. It can fill over 40 spacers at one time. Also available is an economy version holding 12 gallons of desiccant, and capable of filling 35 spacers at one time.

VDF-1 . . . Vibrating Desiccant Filler. Factory # 4700140-0
STOCK NO. 240-2105 . . . Heavy Duty Gravity Filler.

Overhead Spacer Frame Conveyor



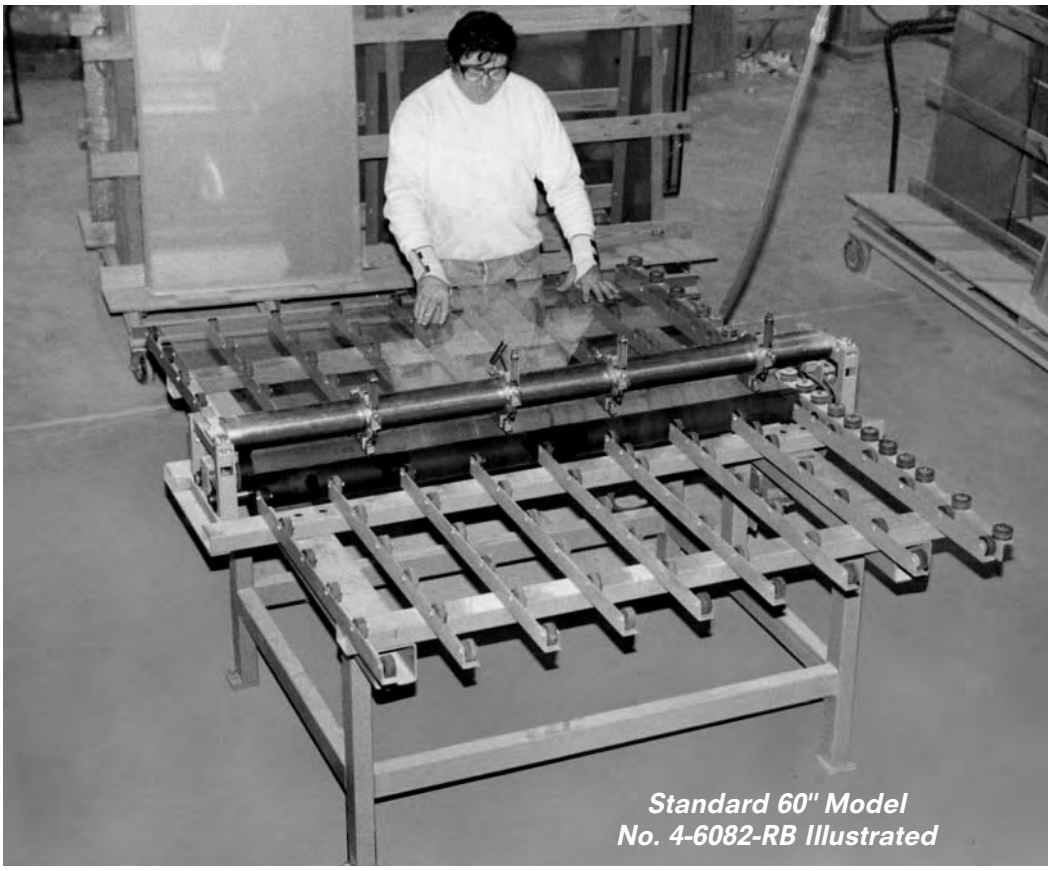
The overhead spacer frame conveyor. OSF-1, is used for the temporary storage, separation, and transport of coated or uncoated frames. It gives you large storage capacity with a small space requirement. A photo-cell automatically controls frame transportation and position, ensuring safe frame separation. Also is included is a foot switch control for advancement and frame stops. Conveyor is 122" L (3,100mm) x 98" W (2,500mm) x 98" H (2,500mm). Available in 230 or 460 volt.

OSF-1 . . . Factory # 4700165-0 - 230 Volt.
OSF-1 . . . Factory # 4700166-0 - 460 Volt.

1-Directional Glass Cutting Machine

SOMACA-STALTER

One Directional Glass Cutting Machine for Production Cutting of Glass. 4 Spring Loaded, Split Design Cutting Heads



Standard 60" Model No. 4-6082-RB Illustrated

Standard Model Sizes: 60", 72", 84", 96", 108", and 120"

Size	Model	Dimensions	Shipping Weight
60"	4-6082-RB	75" x 82" x 37" Pass Line with Four (4) Cutting Heads	1,100 lbs.
72"	4-7282-RB	87" x 82" x 37"	1,250 lbs.
84"	4-8482-RB	99" x 82" x 37"	1,400 lbs.
96"	4-9682-RB	111" x 82" x 37"	1,550 lbs.
108"	4-10882-RB	123" x 82" x 37"	1,700 lbs.
120"	4-12082-RB	135" x 82" x 37"	1,850 lbs.

SPECIALS

Special Sizes Can Also Be Built to Your Specifications

The Somaca-Stalter "One Directional" is one of the most popular cutting machines of its kind in the world. Its list of users reads like a "Who's Who in the Glass Industry". The reasons are simple: the machine is easy to adjust, ruggedly built for years of dependable service, has accurate tolerances (± 1/64"), can score glass as fast as two men can load and unload, and best of all, it is inexpensive. Additional cutting heads may be added to any Stalter machine.

1-Direction Glass Cutting Machine

Model Number 4-6082-RB
60" Stalter for Cutting Glass up to 60" Wide

Machine operation is simple. The operator merely places the glass against the index wheels on the left side of the machine, and feeds it into the pinch rolls which power the glass under the cutter bar assembly. There are only two adjustments: one for the width of the cut, and the second for the glass thickness. Both adjustments are easily made.

Standard Equipment

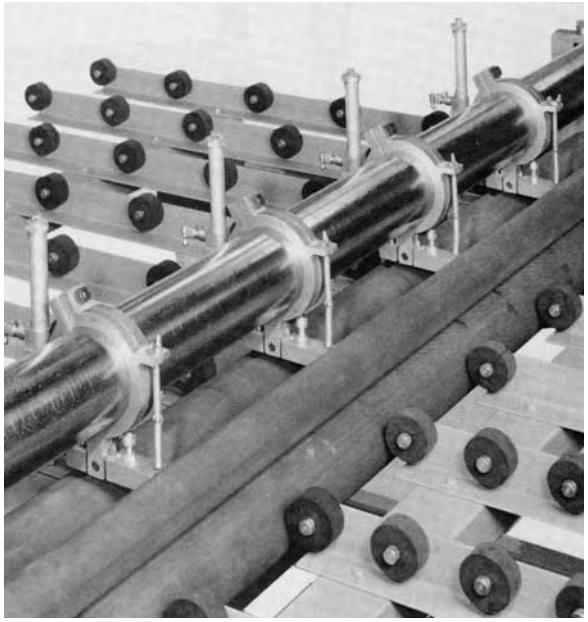
- 36" long in-feed and out-feed tables using rubber idler wheels.
- Three rubber covered pinch and feed rollers powered by a1/4HP, single phase, 60 cycle, 110/220 volt gear motor, which is wired to a switch cord.
- Four (4) split design cutting heads, each fitted with a carbide cutting wheel and sight-feed oiler.

Capacity

Glass from single strength up to 1/4" in thickness, by sizes from 9" x 9" up to full width. The minimum distance between cuts is 1".

Options

- Additional split-type cutting heads may be added to the machine (No. 210-3256).
- For cutting glass smaller than 9" x 9", extra wheel gangs may be added for additional glass support.



View of cutter bar and four (4) cutting heads

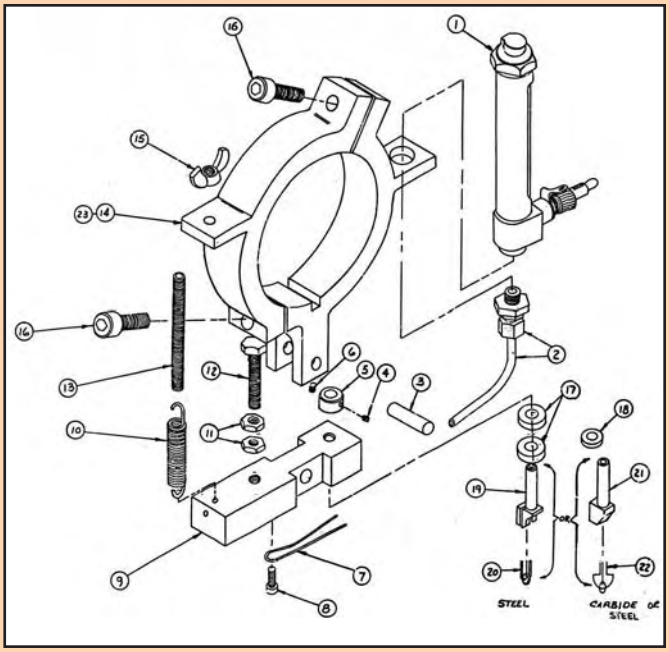
MODEL NUMBER	SPECIFICATIONS Dimensions	Shipping Weight
4-6082-RB	75" x 82" x 37" Pass Line with Four (4) Cutting Heads	1,100 lbs.



Somaca Cutting Oil (Gal.)

STOCK NO. 120-1010 . . .
is recommended for use with Stalter Cutters. It helps produce clear, concise cuts and promotes increased wheel life.

Stalter Cutting Head Replacement Parts



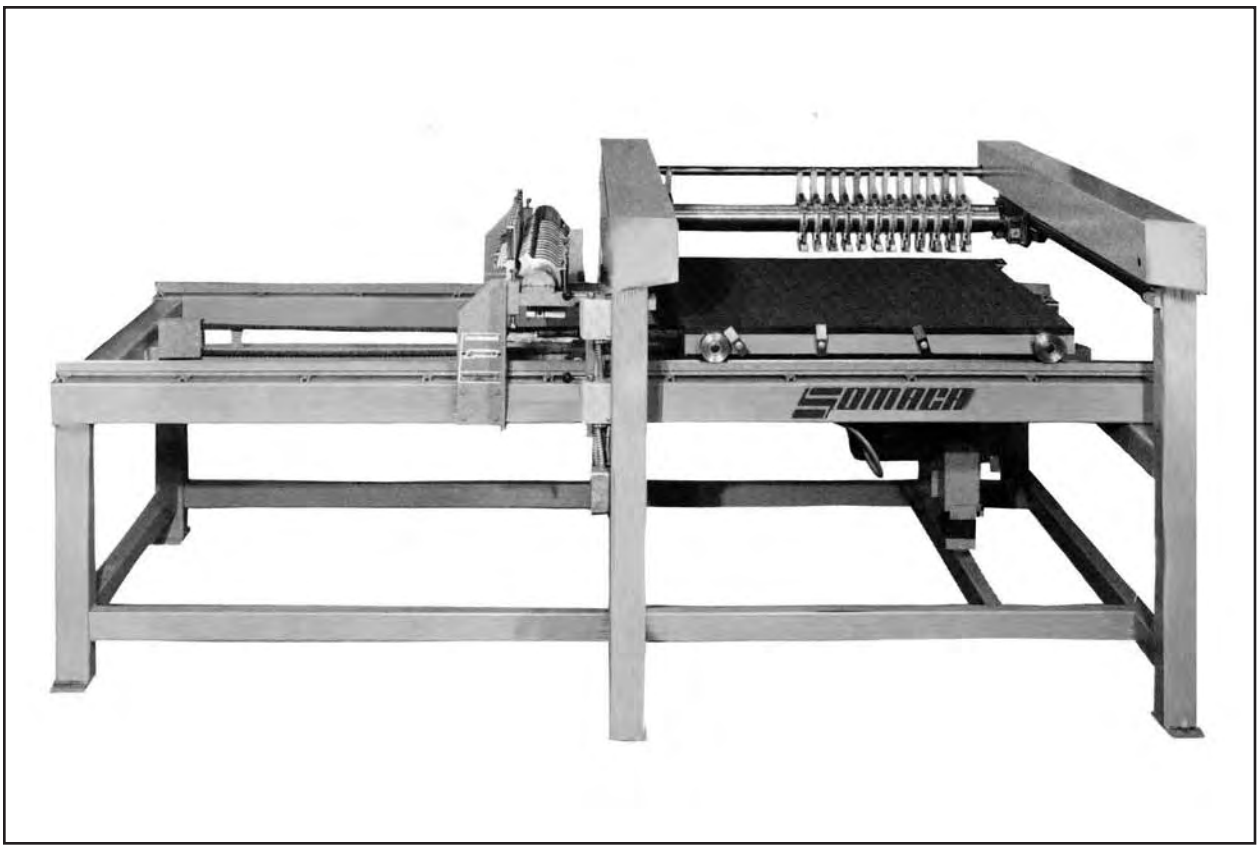
Additional Cutting Head Parts Listed on Page 202

Diagram No.	Part No.	Description
27	M56600-27	Wheels: Carbide or Steel 144°
26	M56600-26	Wheels: Carbide or Steel 134°
25	M56600-25	Wheels: Carbide or Steel 126°
24	M56600-24	Wheel: Carbide 124°
23 (Stock No. 210-3224)	M56600-23	Split Head Body Casting
22	M56600-22	Wheels: Carbide or Steel 114°
21	M56600-21	Pillar Post
18	M56600-18	Spacer
or 17	M56600-17	BRGS (For Item 21)
16	M56600-16	(2) Cap, Screw
15	M56600-15	Wing Nut
14	M56600-14	Solid Head Body Casting
13	M56600-13	Adj. Rod
12	M56600-12	Stop Bolt
11	M56600-11	Jam Nut
10	M56600-10	Pressure Spring
9	M56600-09	Pivot Bar
8	M56600-08	Cap, Screw
7	M56600-07	Retainer Spring
6	M56600-06	Set Screw
5	M56600-05	Collar
4	M56600-04	Set Screw
3	M56600-03	Pivot Shaft
2	M56600-02	Brass Tube and Fittings
1	M56600-01	Oiler Cylinders and Valve Assemb.

2-Directional Glass Cutting Machine

SOMACA-STALTER X-Y
Two Directional Glass Cutting Machine

High Speed, High Volume Square and Rectangle Cutting
6 Spring Loaded - Split Design Cutting Heads



Can Score As Many As 3,600 1" Square Tiles In Less Than A Minute!

Stalter X-Y machines are designed for quick and accurate cross cutting of glass lites of various sizes where squareness is important.

The machine is furnished with six cutting heads, and six carbide wheels - three on each bridge. Electrical consists of two 1/4HP motors, and wiring for single phase, 110 volt power.

The X-Y machine is available in the following standard sizes:

Size & Model	Dimensions	Shipping Weight
40" x 40" X-Y	110" x 66" x 40"	1,800 lbs.
50" x 50" X-Y	130" x 76" x 40"	2,000 lbs.
60" x 60" X-Y	150" x 86" x 40"	2,200 lbs.

Other sizes available on special order.

Optional Features Include:

Air flotation on the table for easier glass removal.

Additional split cutting heads complete with carbide cutting wheels.

A hard surface table in place of the felt for cutting of thin glass.

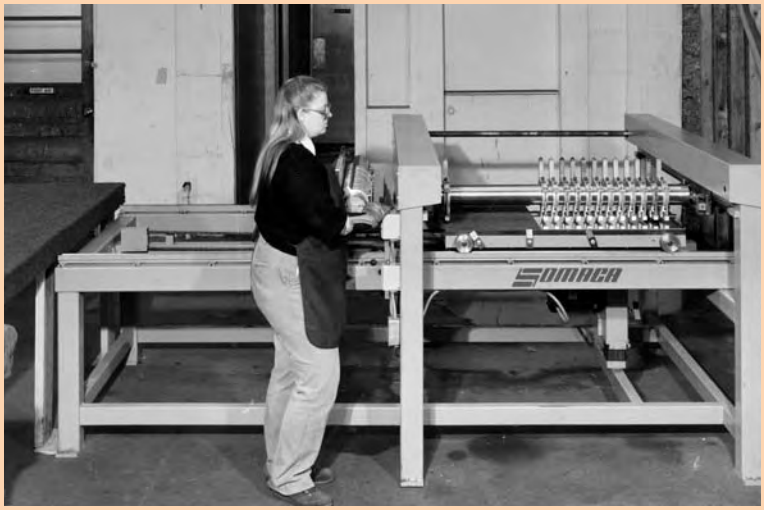
2-Directional Glass Cutting Machine

SOMACA-STALTER

Flat Glass is Quickly Cut Horizontally and Vertically
With a Minimum of Operational Effort!

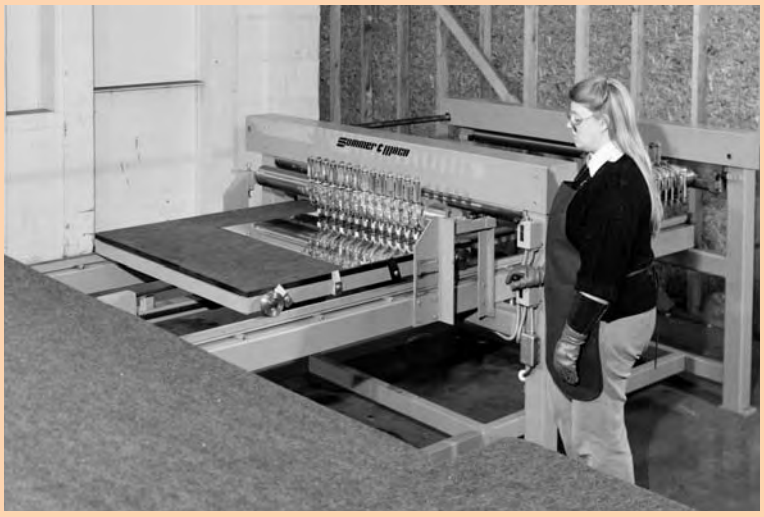
Step One

Glass is loaded on the felt covered table and positioned against the registration posts. At the touch of a button, the movable bridge traverses forward over the glass lite and makes the first score.



Step Two

After the first score, a push of the button initiates the felt covered table's movement to the left, traveling under the fixed cutting bridge and completing the cross cut score.



Step Three

The scored glass is then unloaded and broken into the individual squares or rectangles. The felt covered cutting table and movable cutting bridge are returned to their original starting position, ready to load the next sheet of glass to be cut.



Photos Courtesy of
D&W Glass, Elkhart, IN

Glass Cutting Tables



Hydraulically Operated Glass Cutting Table "Easy Tilt"

Furnished with one Breaker Bar and Air Flotation Fabricated in 9' x 12" Size

The "Easy-Tilt" Glass Cutting Table has welded steel tubular construction. A full 3/4" smooth particle board table top and black carpet is furnished with each table.
The full plenum air flotation enables one person to move large or small lites of glass with ease.
The twin cylinder hydraulically operated table enables the glazier to raise and lower the tilt top with finger tip control.

*** NEED 25 AMP, 3 PHASE, 220 VOLT ELECTRIC POWER**
15 foot electrical cord supplied

4 Casters and 2 Floor Locks
For rolling, securing table

Retractable Wooden Toes for Glass Rest
Supports glass when loading vertically

Carpet with Hardwood Edge Trim

HYDRAULIC CUTTING TABLE			ACCESSORIES	
STOCK NO.	**Table Size**	**Weight**	**Break Bar("X")**	**Automatic Retractable Roller Toes**
240-2522	9' x 12'	1560 lbs.	240-2555	240-2531

Aculite Xtra HTT and CNC Cutting Systems





ACULITE XTRA HTT CUTTING TABLE

- Hydraulic tilt for glass loading
- Cuts XYZ and full geometric shapes
- Scores sheets up to 102" x 144" / 3/4" thick glass
- Heavy Duty Plenum will float 3/4" plate with ease
- Two built in breaker bars
- Scores at speeds up to 3,600 inches per minute

ACULITE CNC CUTTING SYSTEMS FOR HIGH & MEDIUM VOLUME PRODUCTION

- Comes complete with free fall & breakout tables, breakout sorting monitor system, free fall racks and storage harp racks
- Cutting table sizes from 72" x 96" up to 130" x 220"
- Cuts XYZ and full geometric shapes
- Scores single strength to 3/4" thick glass at speeds up to 3,600 inches per minute

Contact the nearest Sommer & Maca branch for more information

Production Glass Drilling Machine

TD-1.5 Vertical Two-Sided Glass Drill



MODEL TD-1.5

Processes Glass Vertically - Drills Holes Up to 2-3/4" in 1/8" to 1/2" Glass

Sommer & Maca's TD-1.5 Vertical Two-Sided Glass Drill is a compact, accurate and affordable system. Designed to save valuable floor space, the machine measures only 50" long x 43" wide.

The TD-1.5 accommodates glass up to 1/2" thick and produces holes up to 2-3/4". Maximum glass sheet size is 60" long x 45" wide, and maximum drill depth is 24".

The motors are horizontally mounted on a swinging frame structure, and glass drilling is done with a simple hand lever control. All work is processed vertically, which is the normal transport and storage position for glass. This allows the system to use X-Y coordinates for precise location of the hole center, and also minimizes the chances of scratching or glass breaking during handling.

The glass rack has a height adjustable lower glass support to set the x-coordinate for each hole. Bottom edge rollers easily guide the vertical glass edge to the y-coordinate. A hand operated glass clamp secures the glass in position during fabrication. Drills are kept cool and lubricated with a recirculating coolant tank and pump system.





Belgian Thread
3" (75mm) Overall Length

Two drill bits are required for each size hole

CAPACITY:

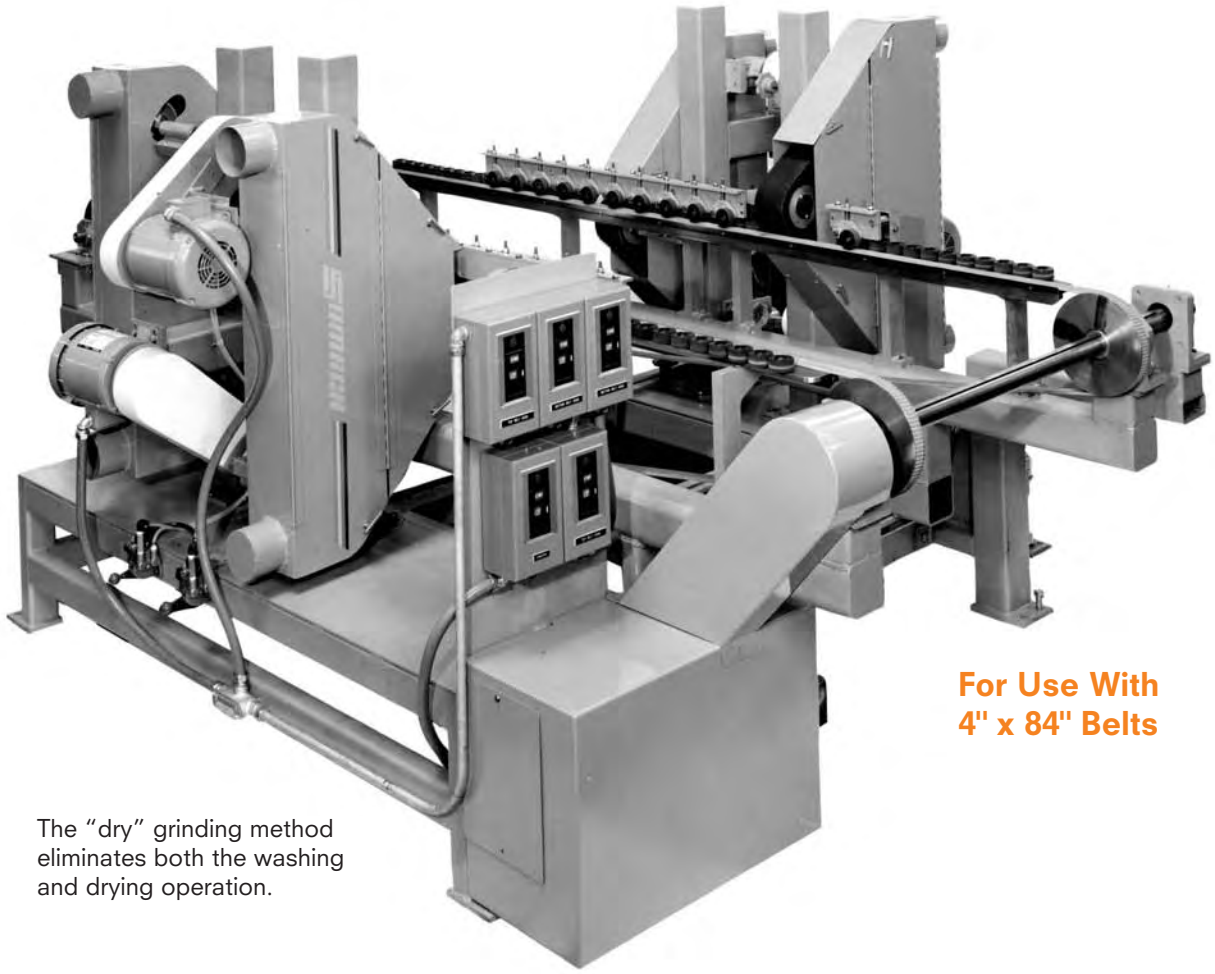
Glass Thickness - 1/8" to 1/2" (3mm - 12mm)
Glass Size - up to 60" long x 45" wide (1500mm x 1140mm)
Vertical Depth of Drill (from edge) - 24" (600mm) Maximum
Drilling Diameter - 0.200" - 2-3/4" (5mm - 70mm)
Drill Speed - Variable, 300-3600 RPM

UTILITIES:

Electrical- 3 motors total 2.5HP (1.8kw), 20 amp service @ 230 volt, 1 phase, 60 cycle power
Water - minimum consumption, limited to drag out loss from coolant tank
Dimensions - 4'-2" (1270mm) long x 3'-7" (1092mm) wide x 8' (2439mm) high
Shipping Weight - 451 lbs. (205kg)

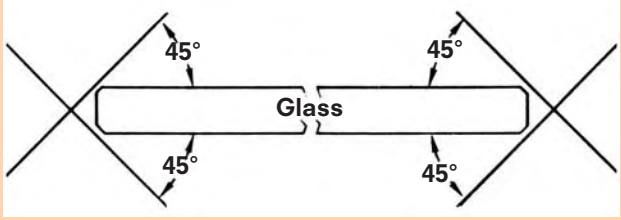
Automatic Glass Swiping Machine

Automatic Dry Belt Swiping Machine
Model No. ASM-484



For Use With 4" x 84" Belts

The "dry" grinding method eliminates both the washing and drying operation.



The four abrasive belt units shown in the illustration above are easily adjustable from 90° to 45°.

Somaca's standard 6" x 48" automatic conveyorized dry belt swiping machine is engineered to seam or swipe the sharp top and bottom edges of all four sides of the glass. Although only one size of glass can be run at a time, the machine is completely adjustable to handle lites from 6" to 48" wide. The unit has four abrasive belt heads. Each uses a 4" x 84" long abrasive belt. A tracking mechanism is built into each head, coupled with an air loaded, self compensating take-up. All belts are backed by a contact rubber roller platen, and the belt heads are individually hooded with exit ports for connecting to the optional dust collectors. Conveyor speed is variable at 15 to 45 feet per minute. A smaller or larger size Automatic Dry Belt Swiping Machine can be built to order.
Optional: Dust Collector Units

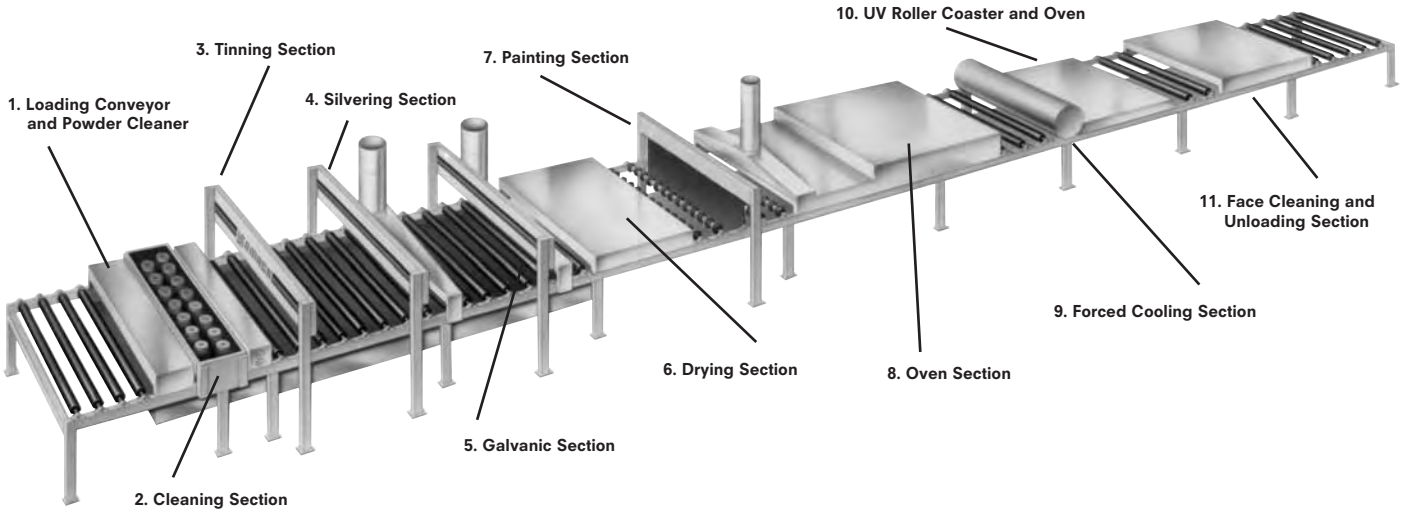
CAUTION: When grinding, always wear safety eyewear and an approved glass dust respirator (No. 240-4161).

SPECIFICATIONS

Model	Height	Length	Width	Shipping Weight
ASM-484	4-1/2'	8'	8'	Approximately 2,000 lbs.

Sommer & Maca Silvering Lines

The Latest Mirror Silvering Line Technology from Sommer & Maca



China • Taiwan • Singapore • Australia • U.S.A

Sommer & Maca Mirror Silvering Lines Annually Produce Millions of Square Feet of Mirrors Worldwide!

Chile • Jamaica • Canada • India • Italy • Venezuela • Mexico

Benefits Include . . .

- **Pullout Scrubbers for Easy Servicing**
- **High Efficiency Silvering System**
- **Curtain Coater for Cut or Stock Sizes**
- **Over-the-Line Exhausts**
- **Conveyor Speed to 30 FPM (9MPM)**
- **Widths to 134" (3.4 mtrs)**
- **Silver Saver Blowoff**
- **Rapid Fire™ Ceramic Ovens**
- **Efficient Face-Down Cleaner**
- **Electronic Controlled Servo-Traverses**
- **Custom Designed to Your Needs**

Sommer & Maca revolutionized silvering line production capacity several years ago by introducing the world's first automatic system to side load and turn glass. This system eliminates the need to have two people loading glass, and enables the front and rear of the conveyor to be open for the loading of small pieces or special shapes. It also places the various sizes of glass on the conveyor in the most efficient manner possible.

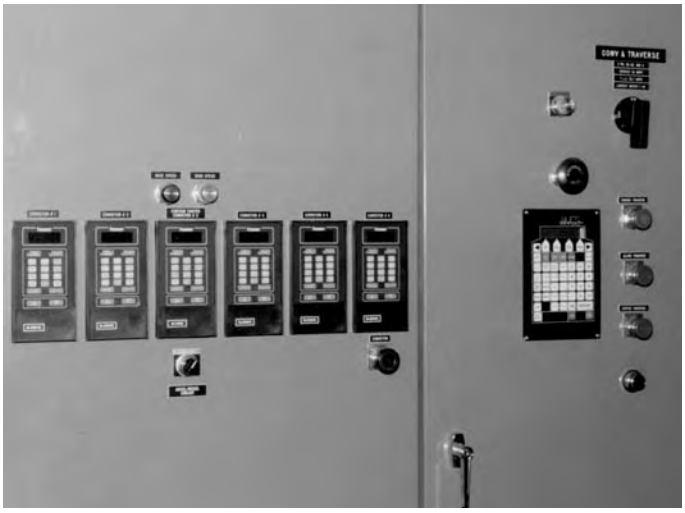
Our silvering lines can completely operate through a Programmable Logic Control (PLC). PLC's assure accurate process control, and the monitoring of line performance and maintenance.

A side, but major benefit of automated lines, is the increased safety due to minimal operator contact with the glass.

Another major recent silvering line innovation by Somaca is the utilization of servo-traverses. Servo-traverses offer vastly improved deposition control of silver during the coating process. Hi-torque motors provide high speed turning of silvering heads, minimizing spray overlap and build-up that are traditional with slower gear motors, screw drives and hydraulics.

Other major line improvements include lower line costs through reduced use of chemicals, improved oven and cooling systems, and new designs to accommodate thinner glass.

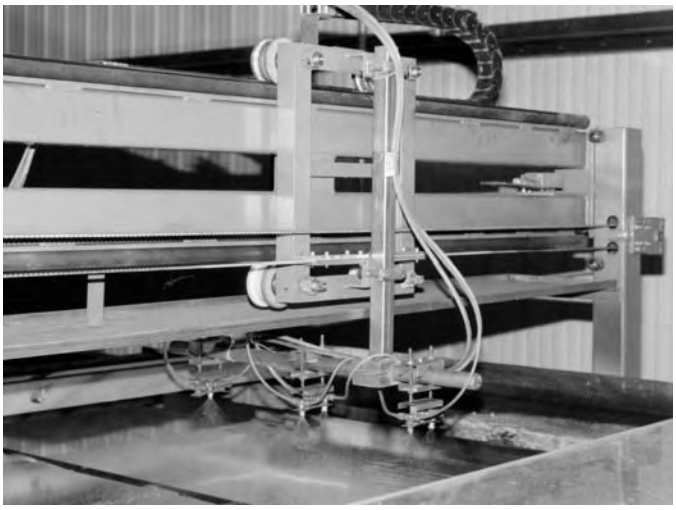
Somaca Mirror Line Benefits



All controls are easily accessible, and contained in OSHA approved electrical cabinets.



Complete removal of glass surface contamination is assured by Somaca's oscillating flat rotary brushes.



Hi-speed servo-traverses improve deposition of silver during the coating process.



Maximum efficiency rapid fire ceramic ovens remove excess solvents and bake the paint.



The latest in cooling glass is Somaca's forced cooling section, which rapidly cools the glass from the oven.



U.V. top coat section. Somaca is the first to design a line specifically for mirror U.V. top coats.

Constructed/Engineered by Somaca



Every Sommer & Maca Silvering Line Is Built In Our Cicero, Illinois, Manufacturing Facility and Backed by Years of Engineering and Fabrication Expertise



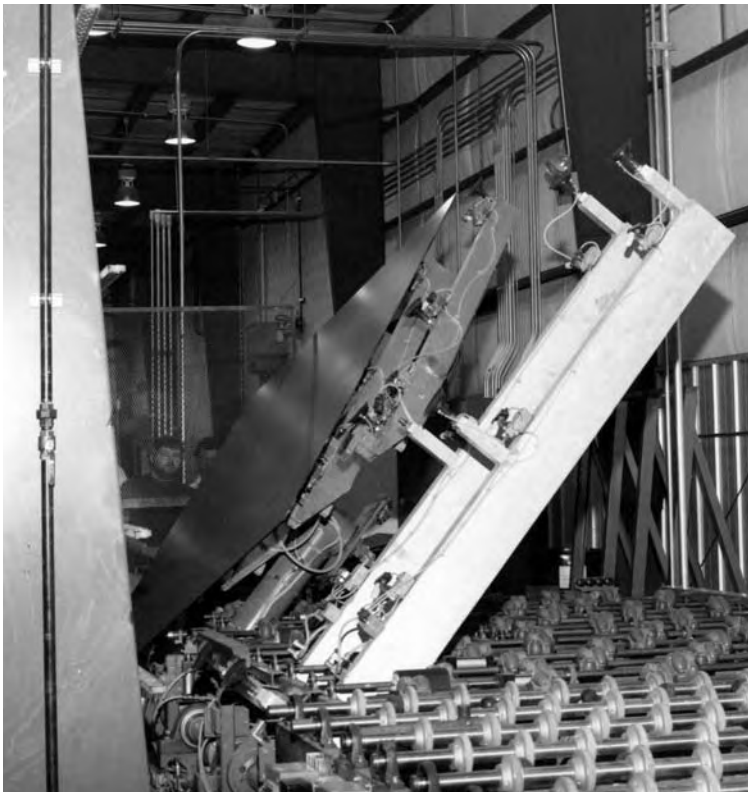
Silvering lines represent a substantial capital investment, and the purchase of one involves a number of complex decisions. Our years of experience in manufacturing and engineering has been helpful in providing our worldwide customers immediate, knowledgeable answers.

The importance of manufacturing our own silvering lines cannot be overemphasized. We intimately know all aspects of silver line technology, and have the "hands-on" experience to custom build any line to your specifications.

Advanced Mirror Technology



Sommer & Maca's automatic loading system is the world's first system capable of side loading and turning the glass. Different sizes of glass can be placed on the conveyor in the most efficient manner possible, and the front of the machine is left open for manually loading smaller pieces. Both case and sling glass are accepted.



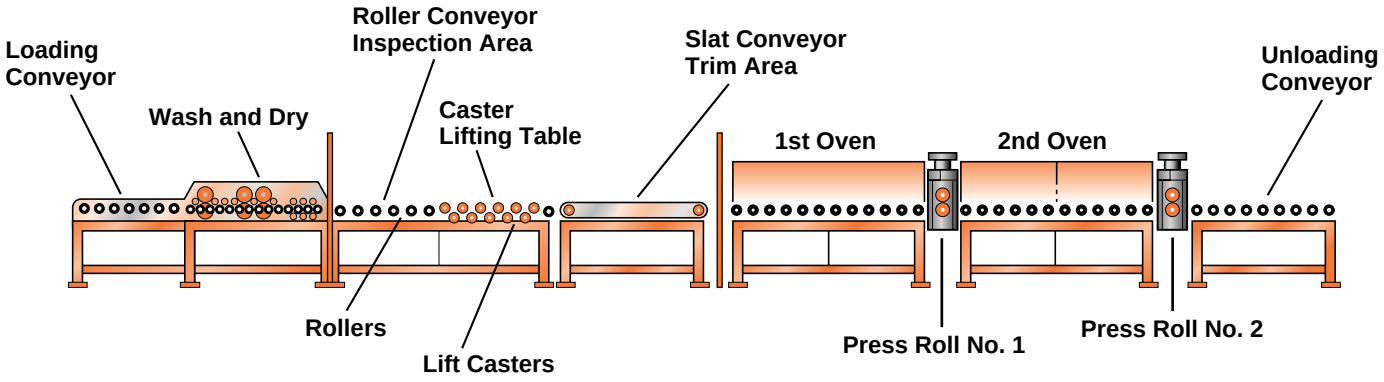
Finished mirror on the unloading end can also be turned, enabling the mirror to be placed efficiently in various size wooden crates.



Glass is carefully tucked into the crate, without the need to handle the lites manually. This greatly increases line speed and operator safety.

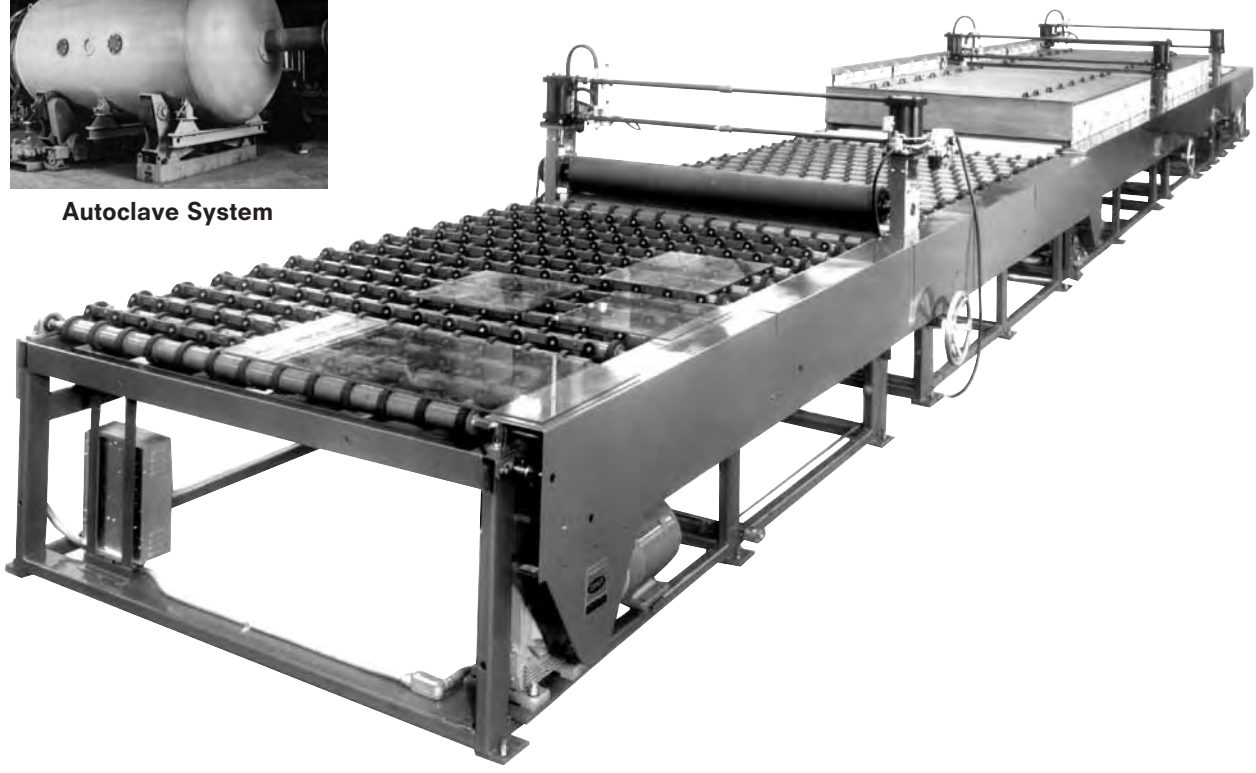
Laminating Lines

Rugged, Hard Working Equipment for the Production of Quality Laminated Glass





Autoclave System



Over the years, Sommer & Maca has manufactured a number of laminated glass lines. Pictured above is a typical laminating process made by Somaca. Simplified, the line consists of laminated press rolls, ovens, and a trim area.

The glass and vinyl sandwich is made up on the entry or laminating conveyor and passes through the first press roll set. From there, it goes into the trim area where the excess vinyl is trimmed and then to the first oven. Next, it passes through a second press roller and another oven. There is a final press roller and the laminated units are ready to be unloaded off the last, or end conveyor.

Each line may vary as the customer's needs dictate. The line drawing above is the same as the photo, but is provided for a clearer understanding of the equipment involved. Sommer & Maca's engineering and technical staff will work with you on your laminating needs, and will design a line that will meet your requirements.

84" Wide Vinyl Washer, is available for an 84" wide laminating line, and is generally located in close proximity to the line. It is used to clean packing powder from the vinyl.

Autoclave System, is the final step in the laminating line process. It is essentially a heated, pressurized vessel which is necessary to completely bond together the vinyl and the glass.

Glass Grinding & Smoothing Mills

Grinding Mill Model Mo. GM-24
Smoothing Mill Model No. SM-24



GM-24 Grinding Mill

The preferred method of performing certain glass grinding operations is a grinding plate used with wet abrasive grain. The GM-24 is furnished with a carefully machined, high grade cast iron grinding plate, which is especially selected for its grain retention property. A 3/4 HP, 1750 RPM, single phase motor, wired to a convenient starting switch powers the 24" plate through a V-belt drive. The spindle revolves in two heavy duty pillow block units, which assure long life and vibration free performance. Grain flows to the plate from the trough on the top cover, which has a petcock to control water feed. Machine comes furnished with 10 pounds of Somaca 120 grit abrasive grain.

Model	Width	Depth	Height	Shipping Weight
GM-24	30"	30"	36"	525 lbs.

Somaca Cast Iron Grinding or Roughing Plates

When it comes time to replace your grinding plate, we recommend our carefully machined and balanced iron plate. It is of uniform density and free of sand holes and other surface imperfections.

STOCK NO.	Diameter	Outside Edge Thickness	Hole Dia.	Recess Dia.	Shipping Weight	UNIT PKG.
260-3424	24"	1-1/8"	1-1/4"	11"	115 lbs.	ONE

SM-24 Smoothing Mill

Somaca's Glass Smoothing Mill is constructed essentially the same as the grinding mill, but its 3/4HP motor operates at a slightly slower speed, 1200 RPM, for better smoothing performance. Ideal for a variety of specialty applications.

The smoothing stone does not come furnished with the SM-24 and the customer must supply his own.

SPECIFICATIONS

Model	Width	Depth	Height	Shipping Weight
SM-24	30"	30"	36"	525 lbs.

Somaca Glass Polisher and Scratch Remover Model No. 37

Somaca's Glass Polisher, Model No. 37, is widely used in the glass industry for manual polishing and for the removal of scratches. A polishing compound such as cerium oxide, used on the felt wheel, will also produce a brilliant finish on edges, especially bevels, and will remove hairline scratches while maintaining the surface polish of the glass.
The machine is furnished with a solid quality felt wheel, 24" O.D. x 18" I.D. x 3" wide, mounted on a wooden ring, which is V-belt driven by a 3/4HP, single phase, 60 cycle, 120 volt motor. A motor starting switch, truing bar and wooden support shelf are also provided.

SPECIFICATIONS

MODEL	Width	Depth	Height	Shipping Wt.
37	20"	30"	48"	Approx. 425 lbs.

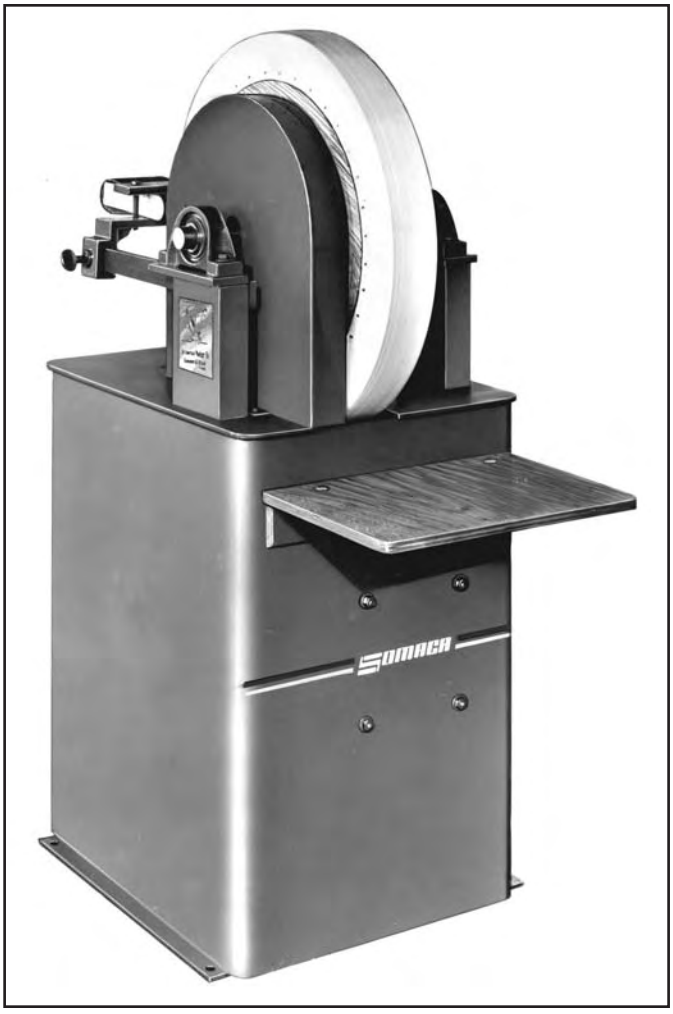
REPLACEMENT FELT RING

STOCK NO.	Diameter	Width	UNIT PKG.
260-5244	24" O.D. x 18" I.D.	3"	ONE RING

REPLACEMENT CORK WHEEL

STOCK NO.	Diameter	Width	UNIT PKG.
261-3628	24"	3"	ONE WHEEL

NOTE: Instead of the standard felt wheel that is furnished with each machine, an equivalent cork version is available upon special order.





Somaca Portable Scratch Remover

Removes Hairline Scratches from Mirrors!



Universal AC/DC 120 Volt Single Phase Motor

This portable tool is ideal for quick, minor touch-up work on glass surfaces. It eliminates the need to carry large mirror plates, usually using two people, over to a stationary floor-type polisher. One man does the job with the glass in place eliminating the task of moving it around the shop. Polisher comes with a white felt wheel, dressing-truing fixture, and 1 lb. of Somaca cerium oxide. Operate using cerium oxide slurry.

MODEL	Wheel Size	Weight	Amps
211-7565	2" x 7"	16 lbs.	6
260-5372	Replacement Felt Wheel		

The GlassPasser™ Sand Blast Cabinet

Accepts Glass as Large as 6' x 8'

This Revolutionary New Cabinet Blasts Everything from Beer Mugs to Shower Doors!



The GlassPasser is the first sandblast cabinet designed specifically to meet the needs of the glass etcher. It will save the time and space necessary to construct a full scale blast room, with all the advantages of having a regular blasting cabinet.

The exclusive design of the GlassPasser provides slots in the sides and top of the cabinet, so that pieces much larger than the cabinet can be "passed through". Only the portion of the glass that is within the cabinet at any one time is blasted. It is simple to slide the glass through, stopping to blast a new area as it enters the cabinet.

When the glass is taller than the cabinet, and the lower portion has been blasted, turn it over and slide it through again to finish the other half. In this way, a piece of glass up to 6' x 8' long can be etched. An optional tripod support stand that allows glass up to 12' long or more to be blasted can be special ordered. F.O.B. Los Angeles, CA. See page 640 for abrasives.

STOCK NO.	Height	Width	Slot Width	Door Size	Weight	UNIT PKG.
262-6780	67"	80"	2-1/8"	31-1/2" x 16"	142 lbs.	ONE

The Tri-Star™ 8" Glass Grinder and 10" Saw

Three Functions in One Tool!



8" x 1-1/2" diamond or felt wheels can be mounted.

This versatile tool enables you to do 3 jobs. On the left side you can mount a diamond glass grinding wheel up to 8" in dia. On the right side, you can mount an 8" grinding disc or felt polishing wheel. And for glass cutting, a 10" saw blade can be mounted, along with the table attachment.

The machine is furnished with 4 miter guides. Wheels, discs, blades and saw table must be ordered separately. F.O.B. Los Angeles, CA.

DIMENSIONS: 20" L x 12" D x 10" H

STOCK NO.	Motor	Weight	UNIT PKG.
262-3510	1/2HP	53 lbs.	ONE

ACCESSORIES

STOCK NO.	Description	UNIT PKG.
262-3511	Table Attachment	ONE
262-3518	10" Saw Blade	ONE
262-3519	8" Grinding Disc	ONE
262-3520	8" Polishing Wheel	ONE
262-3521	Coolant Recirculator	ONE

Model B8 Small Shape Glass Beveller



Operator Switches Back and Forth Between Roughing and Smoothing Heads!

Bevels Glass 3/16" to 1"
Bevel Angles 14° to 5°

With the Model B8, the operator can switch back and forth between the roughing and smoothing heads. The grinding depths on both heads are set initially and then locked. These heads can be changed in seconds, without adjustment. Two sets of metal bond 1/2" bevelling heads (two 60 mesh and two 600 mesh) are furnished.

The unit has simple controls; one switch controls the motor and pump simultaneously. Motor includes a brake to instantly stop the grind head. The cascade coolant recirculation system is operated by a 1/5HP Graymills pump, with three 3.5 gallon debris buckets. The smooth, all iron work surface is 5/8" thick (no screw holes). A front drawer is built-in, for tool and bit storage. Additional grinding heads are available in 3/4", 1", 1-1/4", and 1-1/2". F.O.B. Los Angeles, CA.

DIMENSIONS: 30" W x 35" D x 53" H

STOCK NO.	Motor	Weight	UNIT PKG.
262-3553	1-1/2HP	410 lbs.	ONE

Finger Grip Machine

Finger Grip Machine, Model FG-14BM

Cuts Smooth Finger Pulls in Minutes!

The Somaca FG-14 is the most popular machine of its kind. It's ruggedly built and designed for bench use. The machine is easy to use, and allows the operator to cut clean, functional finger pulls in glass, quickly and with confidence. In less than five minutes, you can cut a 2-3/4" long grip, 5/8" wide and 1/8" deep.
The machine comes complete, as illustrated, with a 14" diameter fast cutting, aluminum oxide wheel, 5/8" wide. A petcock on the water supply reservoir controls water flow to the wheel, and the machine is powered by a 1/2HP capacitor start, single phase, 110 volt motor.
An adjustable screw stop controls the depth and length of the finger grip.



	SPECIFICATIONS	
Model	Dimensions	Shipping Weight
FG-14BM	15" x 34"	135 lbs.

Aloxide Smoothing Wheels for Somaca Finger Grip Machine



The Aloxide wheel is used to "smooth-in" finger grips in glass door panels. It is the stock replacement for all Somaca 14" finger grip machines.

STOCK NO.	Diameter	Thickness	Hole Size	UNIT PKG.
260-4522	14"	5/8"	1"	ONE WHEEL
260-4521	14"	5/8"	3/4"	ONE WHEEL

Dressing Brick

DIMENSIONS: 6" L x 2" W x 1" Thick

STOCK NO.	Description	Color	UNIT PKG.
261-2115	Silicone Carbide	Black	ONE BRICK



Table Top Glass Edging Machines

Straight Line Edger and Polisher

E-Z EDGER™

Manufactured for Somaca by
abrasive technology inc.

Circle Edger and Polisher

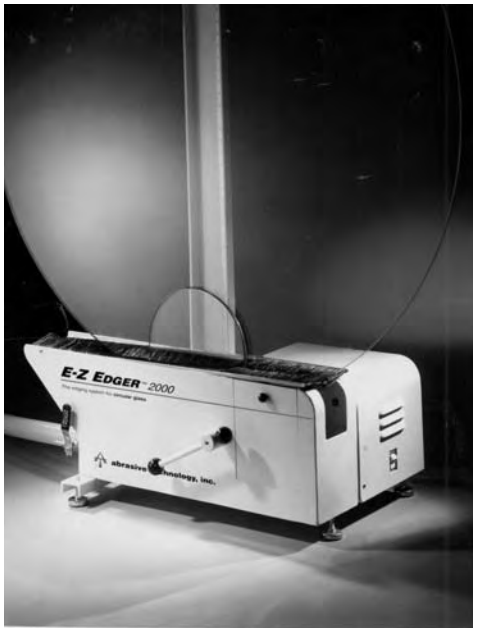
Pencil Edges and Polishes Glass in One Pass on Each Wheel



This machine can process small lites and stock sheets of mirror up to 1/2". It can be connected to a normal water source or used with the optional pump and tank recirculating system. A two groove, 30" plastic track section acts as a support and centering guide for glass. Edgers are sold without wheels, pump or stand.
Size: 30" deep x 12-3/8" high x 19-1/2" wide. **Weight:** 53 lbs.

STOCK NO.	Description	Electrical	UNIT PKG.
230-3160	Edger	110V/60/1 1/2HP	ONE
230-3260	Edger	220V/60/1 1/2HP	ONE
	DIAMOND EDGING WHEELS - MEDIUM FINISH		
260-5860	Wheel for 1/8" Glass		ONE
260-5850	Wheel for 3/16" Glass		ONE
260-5851	Wheel for 1/4" Glass		ONE
260-5854	Wheel for 3/8" Glass		ONE
260-5876	Wheel for 1/2" Glass		ONE
	DIAMOND EDGING WHEELS - FINE FINISH		
260-5861	Wheel for 1/8" Glass		ONE
260-5564	Wheel for 3/16" Glass		ONE
260-5565	Wheel for 1/4" Glass		ONE
260-5566	Wheel for 3/8" Glass		ONE
260-5567	Wheel for 1/2" Glass		ONE
	POLISHING WHEELS		
260-5573	Wheel for 1/8" and 3/16" Glass		ONE
260-5574	Wheel for 1/4" Glass		ONE
260-5575	Wheel for 3/8" Glass		ONE
260-5576	Wheel for 1/2" Glass		ONE
	SOMACA COOLANT		
265-1010	Somaca Coolant: 1 Gallon		ONE
	5 GAL. SUBMERSIBLE PUMP, TANK with 100 LINERS		
230-3120	110V Coolant Pump		ONE
230-3121	220V Coolant Pump		ONE
	OPTIONS		
230-3128	Extended Track Guide		ONE
230-3130	Custom Table Stand		ONE

Edges and Polishes Circles Up to 60" in Diameter



- 60" Diameter for 1/8" to 3/8" Thick Glass
- 44" Diameter for 1/8" to 1/2" Thick Glass
- Smallest Diameter - 10" from 1/8" to 1/2" Thick Glass
- Produces a Pencil Edge on Circles Only
- Circle Height Holding & Lowering Mechanism

This machine produces a smooth and polished edge after two passes on each wheel. The machine operates at 55" per minute and produces finished circles in about 10 minutes. Select diamond and polishing wheels for each thickness of glass from the list at the left. It is strongly recommended that a 5 gal. submersible and recirculating system be ordered with machine. Sold with wheels, pump, and stand.

Custom Machine Stand - Optional
The K.D., all metal workstand will make work easier and more convenient. The same stand is suitable for either machine.

Size: 30" deep x 72" high x 19-1/2" wide.
Weight: 105 lbs.

STOCK NO.	Description	Electrical	UNIT PKG.
230-1160	Circle Edger	110V/60/1 1HP	ONE
230-2160	Circle Edger	220V/60/1 1HP	ONE

NOTE: The Circle and Straight Edging Machines are different machines, and must be ordered separately.

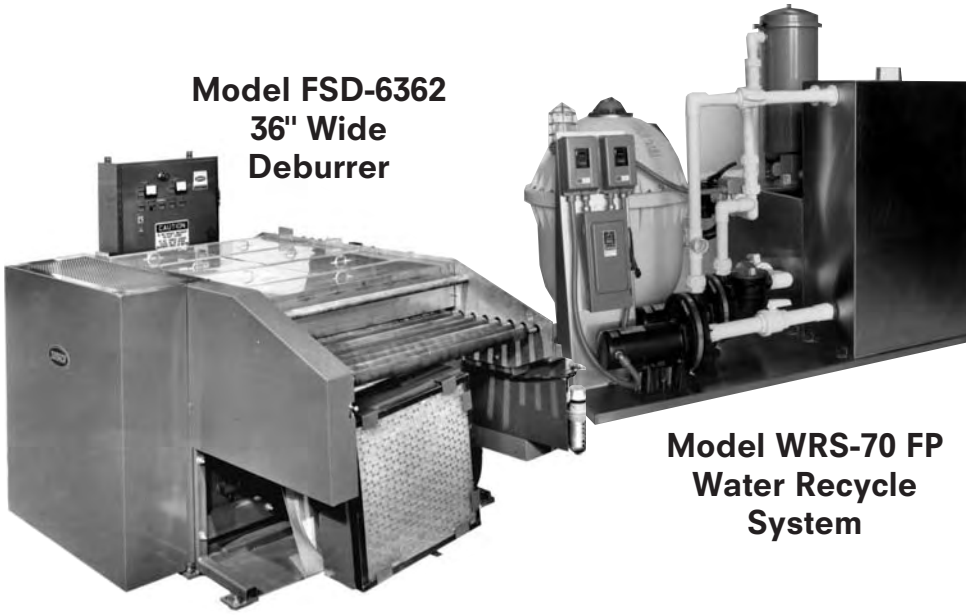
Cleaning and Finishing Machines

The Latest in Cleaning and Metal Finishing Machines Manufactured and Engineered by Sommer & Maca

Metal Finishing Machines

Metal Finisher, **Model FSD-6362**, offers an automated one-step method for burr removal and edge radiusing of aluminum, steel or stainless flat parts.
The Water Recycle System, **Model WRS-70 FP**, filters solids such as metal fines, particles of copper, abrasive grains and brush particles from water used in various manufacturing processes.

Model FSD-6362
36" Wide
Deburrer



Model WRS-70 FP
Water Recycle System



Circuit Board Cleaning Machine

Model SBC-224-L
24" Wide Double Side Scrubber

Somaca SBC Circuit Board Scrubbers are designed and built to clean oxides from the surface of the circuit boards by use of non-woven brushes.

Circuit Board Wet Deburring Machine

Model WB-6224J

The wet deburring of circuit boards as performed by this machine with abrasive wheels is the most effective way to remove burrs left by drilling. This system of deburring prevents board warping, eliminates dust in holes, produces a scrubbed surface and completely dries the board.



Conversion Charts

Quick Read Charts

Nominal Glass Sizes and Weight Conversion Chart

Thickness Inch	MM	Weight Lbs./Sq. Ft.	Verbal Reference
1/16″	1.59	.81	SINGLE STRENGTH
3/32″	2.38	1.20	
1/8″	3.00	1.50	DOUBLE STRENGTH
1/4″	6.00	3.00	
3/8″	10.00	5.00	THICK GLASS
1/2″	12.00	6.50	THICK GLASS
3/4″	19.00	9.60	THICK GLASS
1″	25.00	13.00	THICK GLASS

Glass Weight Example:
To calculate the weight of a mirror that is 1/4″ thick by 100″ by 100″, do the following:
100″ x 100″ glass size = 10,000 sq. in.
10,000 sq. in. ÷ 144 = 69.4 sq. ft.
69.4 sq. ft. x 3 lbs. (weight of 1/4″ glass) = 208.2 lbs.

Temperature Conversion Chart

Celsius	Farhrenheit	Celsius	Farhrenheit
-40.0° C	-40.0° F	15° C	59.0° F
-17.9° C	0.0° F	16° C	60.8° F
0° C	32.0° F	17° C	62.6° F
1° C	33.8° F	18° C	64.4° F
2° C	35.6° F	19° C	66.2° F
3° C	37.4° F	20° C	68.0° F
4° C	39.2° F	21° C	69.8° F
5° C	41.0° F	22° C	71.6° F
6° C	42.8° F	23° C	73.4° F
7° C	44.6° F	24° C	75.2° F
8° C	46.4° F	25° C	77.0° F
9° C	48.2° F	26° C	78.8° F
10° C	50.0° F	27° C	80.6° F
11° C	51.8° F	28° C	82.4° F
12° C	53.6° F	29° C	84.2° F
13° C	55.4° F	30° C	86.0° F
14° C	57.2° F	35° C	95.0° F

Example:
Convert Farhrenheit To Celsius
(Degrees F - 32) ÷ (1.8) = (Degrees C)

Centimeters & Millimeters To Inches

cm	in	in	mm
2.54	1	.039	1
5.08	2	.078	2
7.62	3	.118	3
10.16	4	.157	4
12.70	5	.197	5
15.24	6	.236	6
17.78	7	.276	7
20.32	8	.315	8
22.86	9	.354	9
25.40	10	.394	10
50.80	20	.787	20
63.50	25	.975	25
127.00	50	1.968	50
254.00	100	3.937	100

Odd number of Centimeters or Inches can be converted by using the following formula: Number of Centimeters equals Number of Inches divided by 0.3937. Number of Inches equals Number of Centimeters times 0.3937.

English Measures

Measures of Length

1 Yard..... 36 Inches
1 Mile..... 5,280 Feet
144 Square Inches..... 1 Square Foot
9 Square Feet..... 1 Square Yard

Measures of Capacity

1 Cup..... 8 Fluid Ounces
2 Cups..... 1 Pint
2 Pints..... 1 Quart
4 Quarts..... 1 Gallon

Metric & US Conversion

Fractions - Decimals - Millimeters

	DECIMAL	MM
1/64	.0156	0.396
1/32	.0312	0.793
3/64	.0468	1.190
1/16	.0625	1.587
5/64	.0781	1.984
3/32	.0937	2.381
7/64	.1093	2.778
1/8	.125	3.175
9/64	.1406	3.571
5/32	.1562	3.968
11/64	.1718	4.365
3/16	.1875	4.762
13/64	.2031	5.159
7/32	.2187	5.556
15/64	.2343	5.953
1/4	.250	6.350
17/64	.2656	6.746
9/32	.2812	7.143
19/64	.2968	7.540
5/16	.3125	7.937
21/64	.3281	8.334
11/32	.3437	8.731
23/64	.3593	9.128
3/8	.375	9.525
25/64	.3906	9.921
13/32	.4062	10.318
27/64	.4218	10.715
7/16	.4375	11.112
29/64	.4531	11.509
15/32	.4687	11.906
31/64	.4843	12.303
1/2	.500	12.700

	DECIMAL	MM
33/64	.5156	13.096
17/32	.5312	13.493
35/64	.5468	13.890
9/16	.5625	14.287
37/64	.5781	14.684
19/32	.5937	15.081
39/64	.6093	15.478
5/8	.625	15.875
41/64	.6406	16.271
21/32	.6562	16.668
43/64	.6718	17.065
11/16	.6875	17.462
45/64	.7031	17.859
23/32	.7187	18.256
47/64	.7343	18.653
3/4	.750	19.050
49/64	.7656	19.446
25/32	.7812	19.843
51/64	.7968	20.240
13/16	.8125	20.637
53/64	.8281	21.034
27/32	.8437	21.431
55/64	.8593	21.828
7/8	.875	22.225
57/64	.8906	22.621
29/32	.9062	23.018
59/64	.9218	23.415
15/16	.9375	23.812
61/64	.9531	24.209
31/32	.9687	24.606
63/64	.9843	25.003
1	1.000	25.400

Table Felt Formula & Metric Conversion

Quick Read Charts

Cutting Table Felt Computation

Example:
Table Size 9′ x 12′ = 108 Square Feet
108 Square Feet ÷ 9 = 12 Square Yards
(9 Square Feet = 1 Square Yard)

Computational Metric Conversion Chart

Metric To US			US To Metric		
Multiply	**By**	**To Obtain**	**Multiply**	**By**	**To Obtain**
Length					
Centimeters	0.3937	Inches	Inches	2.5400	Centimeters
Meters	3.2808	Feet	Feet	0.3048	Meters
Meters	1.0936	Yards	Yards	0.9144	Meters
Kilometers	0.6214	Miles (stat)	Miles (stat)	1.6093	Kilometers
Kilometers	0.5400	Miles (naut)	Miles (naut)	1.8530	Kilometers
Millimeters	0.0394	Inches	Inches	25.4000	Millimeters
Area					
Square Centimeters	0.1550	Square Inches	Square Inches	6.4516	Square Centimeters
Square Meters	10.7639	Square Feet	Square Feet	0.0929	Square Meters
Square Meters	1.1960	Square Yards	Square Yards	0.8361	Square Meters
Volume					
Cubic Centimeters	0.6102	Cubic Inches	Cubic Inches	16.3900	Cubic Centimeters
Cubic Meters	35.3000	Cubic Feet	Cubic Feet	0.0283	Cubic Meters
Cubic Meters	1.3080	Cubic Yards	Cubic Yards	0.7646	Cubic Meters
Milliliters	0.0338	US Liq. Ounces	US Liq. Ounces	29.5735	Milliliters
Liters	1.0568	US Liq. Quarts	US Liq. Quarts	0.9463	Liters
Liters	0.2642	US Liq. Gallons	US Liq. Gallons	3.7850	Liters
Weight					
Grams	0.0353	Ounces	Ounces	28.349	Grams
Kilograms	2.2046	Pounds	Pounds	0.454	Kilograms
Metric Tons	1.1013	Short Tons	Short Tons	0.908	Metric Tons
Metric Tons	0.9832	Long Tons	Long Tons	1.017	Metric Tons

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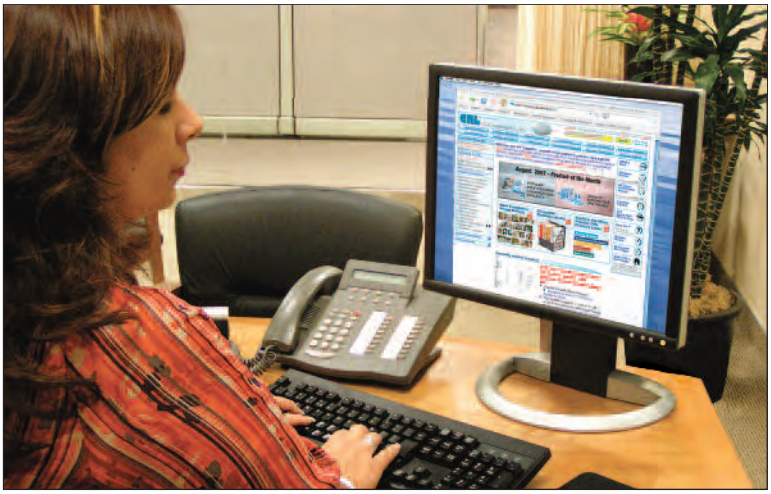
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