Troyer Products



Product Guide - 2007 Edition

Troyer Products has served the recreational vehicle industry for over 30 years. By simply meeting the needs and requests of our customers, Troyer has grown from a small garage-based headboard maker into a full service RV supplier offering 12 different product lines.

The lines shown on our catalog cover are listed in the order in which they were added to the company's line-up. As the RV industry matures to model the quality of the automotive industry, Troyer Products can help you meet a wide range of needs while reducing your vendor count.

Based on service, quality and competitive pricing, we continue to be focused on helping our customers quickly meet their sourcing needs.

Because we offer so many specialized and custom manufactured items, this catalog is meant to show you our capabilities rather than list our tens of thousands of detailed parts and products. Please call us or speak to our helpful sales representatives when they call.

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Buttons





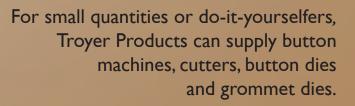
Covered Buttons are our first specialty. For small to large quantities, difficult fabrics, a variety of sizes and backs, we have your solution.

Button Parts

Whether it takes snaps, prongs, wire eyes, pivot backs, threaded nails, or hook backs, call on us to meet your button needs.



Button Machines & Dies



Finished Buttons

Specialty Buttons

We offer a wide variety of custom services to provide you with creative and versatile solutions to your button needs.

Designer Buttons

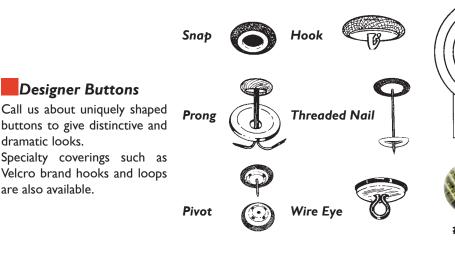
dramatic looks.

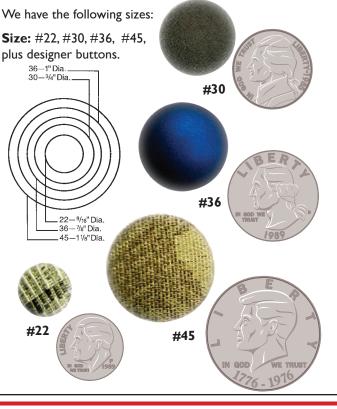
are also available.

Custom Button Covering

We custom cover buttons using your fabric. We offer pick-up in our local delivery area.

We have the following styles:





Snap Button

■Nylon Hook

backing hook.

or clip with a pre-tied loop

uniformity of depth. Loop

anchors quickly into double

for fast secure tufting, assuring

The nylon back is especially designed to snap onto a durable screw stud or durable deep stud.

Nylon hook is used with a pre-tied loop

Button Parts

Prong Button Tufting

Prong Button Tufting is fast, economical and strong. Prong buttons are anchored by bending the flat wire legs over a prong washer in back of the padding.

Shells are provided in different

are fed through a hopper are "Auto Flow." Shells that are used for extra protection from rust are

tempers. Standard shell tempers

are "regular" and "soft." Shells that

Super Clips

A pre-tied loop with a clip attached. Length Size:1" to 5-1/4" in 1/4" increments



■Pre-Tied Loops

Length Size: 1" to 8" in 1/4" increments



Washers

Prong Washers

Plastic washer anchors pre-tied loop on blind side.

Types: #8 Polywasher I-3/8" diameter, #9 Polywasher 1-3/8" diameter (2 slits), #11 Polywasher 1-3/8" diameter (2 slits and center hole), #5 Fiber Washer 1-3/8" diameter (hole in center), #1 Metal Washer 15/16" diameter (hole in center).



■#15 Spring Washer I-3/8" diameter

Washer Plastic washer anchors pre-tied loop on blind side.



Button Backs Wire eye #9 is a standard heavy eye and is used with twine for a tufting affect.

Ioined Pivot

Used on pillows or cushions where buttons are desired on both sides. Supplied in pairs; female assembled with a retaining pivot spring, steel lock washer; male with pivot tack.



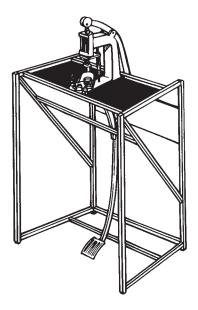
"Dark Chromate."

■Shells

When anchored with a spring lock washer, this is an alternative method to prong tufting. Nail is inserted through the upholstered construction and fastened on the back with a #15 lock washer.



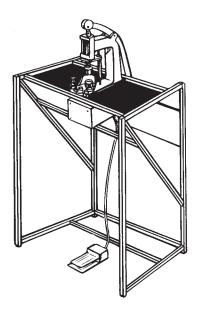
Button Machines and Dies



No. 5A Covering Machine

Production: approximately 450 per hour. Foot power toggle pendulum frees hands for greater efficiency and speed. Used with Handy 3-piece swivel dies. Extra wide work table stores material for ease of operation.

Height: 47", floor space: 20" x 23" Weight: 113 lbs.



No. 5PA (Pneumatic) Covering Machine

Production: approximately 550 per hour. Air operation eliminates operator fatigue and provides uniform power and pressure to insure consistently tight buttons. Safety shield covers die crimping area. Extra wide work table. **Height:** 47", floor space: 20" x 23" **Weight:** 122 lbs. **Air Pressure:** 80 PS



Junior No. I Machine

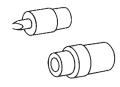
Production: approximately 90 per hour. Versatile, manually operated covering and cutting machine. Used with Handy 2-piece dies and short cutter. Includes wood block for cutting covers.

Height: 22" Weight: 13 lbs.



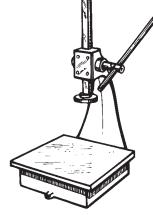
Cutting Dies

Cutting dies are available in short and long sizes. Short dies are used with a Junior No. I machine with a wood block. For greater production, a long die is used with a No. I I cutting machine and a cutting board.



Grommet Dies

A wide range of grommet dies and cutters are available upon request.



No. II Machine

Companion cutting machine for No. 2, 5A and 5PA button covering machines. Rack and pinion design for smooth, easy operation. Used with standard long cutters. Complete with fiber cutting block. **Height:** 20" Weight: 60 lbs.



Button Dies

Your button covering machine will determine the type of dies. No. I Jr. Machine uses a 2-piece die, 5PA uses a 3-piece die and a rotary table machine requires a 6-piece die set. All dies are available in Light, Medium and Heavy, depending on the thickness of the fabric being covered. (Example: a thin fabric requires a light die. A little thicker material requires a medium die. A thick fabric requires a heavy die.)

Thread

- Monocord
- Twisted Bonded
- Antiwick
- Monofilament
- Wide variety of thread and bobbin sizes available



Webbing & Elastic

Polypropylene Webbing

- Carpet Binding
- Binding Tapes
- Listing
 - Shock Cord and Accessories

Welt Cord

- Braided Welt Cord
- Foam Welt Cord
- Extruded Vinyl Welt
- Canopy Welt
- Tire Cover Welt
- Tent Strip
- Paper Covered Wire



Thread

Whether twisted bonded, monocord, monofilament, or anti-wick, we can fill your thread and bobbin needs.



Wonderthread[®] **Monofilament** Assumes the color of the fabric you are sewing and disappears. Bobbins are also available.

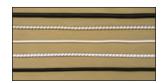


Nylon Colored Thread A wide variety of sizes and colors suitable for upholstery applications.



Carpet Binding

Available in a multitude of colors in I-1/4" width. Non-stock item. Minimum of four (4) gross yards per color.



 Shock Cord & Accessories
 From 1/8" & up – the possibilities are endless.



Polypropylene Webbing Can be used for reinforcing stress points, pull straps, custom straps.

Binding Tapes
 Use for hemming reinforcement,

reinforcing stress points.

Webbing & Elastic



Elastic Colors: White, Black, Miscellaneous. **Styles:** Regular, Soft, Heavy.

Listing Use for pull tape with your hog-ringing process.





• XF Braided Welt Cord Tissue filled product with a synthetic overbraid.



Paper Covered Wire

Reinforced and Non-Reinforced Foam Welt Cord

Reinforced foam welt cord is foam polyethylene cord with synthetic core-reinforcement yarn centered inside the card. Non-reinforced welt is foam polyethylene cord.

Also Available:

Extruded Vinyl Welt

Canopy Welt

Tire Cover Welt

Tent Strip



Velcro[®] **Brand** Hook and Loop_



Woven Nylon Hook & Loop Tapes

Hook 65, Hook 88, Loop 1000, Knitted Loop Tape-3001. Comes on separate rolls with pressure sensitive backing. **Colors:** White and Black. Other colors are available when you order in quantity. **Installation:** Sewing, staples, screws. Also available in pressure sensitive adhesive and solvent activated adhesive backings.



Velcoin®

When an application calls for round Velcro[®] tape discs, we call these Velcoin[®] fasteners.

Colors: White and Black. Other colors available when you order in quantity. **Installation:** Pressure sensitive adhesive backing.



Back-to-Back Tape

A self-wrapping, re-usable tape. A Velcro® hook surface facing one way and a Velcro® loop surface facing the opposite direction.

Color: Black



Velstud®

Molded nylon square with a lower protruding insertion shank **Color:** Black **Installation:** Shank insertion into pre-punched hole.



Molded Hook Tape MVA #8

An aggressive hook used in the automotive industry as a fastening component.

Can be used with loop tape. **Color:** Black

Installation: Staple, sew, pressure sensitive adhesive, solvent activated backings.



Velstick[®] Brand Velwasher

A die cut, rigid vinyl disc faced with a permanently attached hook or loop and featuring a center hole for attachment purposes. Can be used with hook or loop tape.

Colors: Black and Natural. **Installation:** Screw, nail rivet, glue.



Velstick[®] Brand Semi-Rigid

Semi-rigid, impact resistant, vinyl extrusion to which Velcro[®] hook and loop tape has been permanently attached. The Velstick[®] can be mated to tape for the attachment of flexible material to a rigid surface. **Color:** Black

Installation: Staple, screw, nail, rivet and glue. Slide into metal extrusion.



ONE-WRAP[®] SELF-GRIPPING FASTENERS

Reusable and flexible, patented ONE-WRAP[®] Brand Self-Gripping Fasteners are a unique back-to-back fastening system. ONE-WRAP[®] brand straps wrap around objects to be bundled or controlled, and then the remaining strap tip attaches back onto itself for a neat and secure closure without buckles or hardware. Operating temperature range: 0 to 220 degrees F.

Die-cut Straps Width: 3/4" wide by 5", 6", 8" or 12"; 1" wide by 8" or 12" Quantity: 50 pcs./bag Black & white available in 25 yard rolls. Color: Black, white, red









Whatever your zipper requirements, whether interior or exterior, Troyer Products can meet your needs.



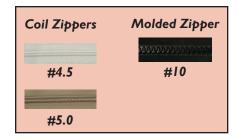
Specialty Fasteners

We offer a specialized array of fasteners for the RV and Marine industries.

Zippers

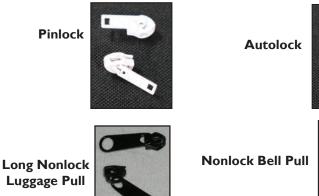
Zippers by Dunlap

Aluminum and nylon zipper chain and slides. #4.5 and #5. **Availability:** Custom cut to length and chain. **Color:** White, Black and Beige



Zipper Pulls

Aluminum Sliders come with different pulls: Luggage, Bell, Locking, Non-locking, Double Pull. **Color:** Black, White, and Beige.



ock



Fasteners

Christmas Trees

Reusable fasteners that hold anywhere along their ribbed shanks.



Durable Snap System

This heavy-duty snap system is made up of four parts: Cap, Self-piercing Eyelet, Socket and Stud.

The cap and socket can be used with a Low Base Stud. They are available in Nickel/Brass, Nickel Steel or Stainless Steel finishes.

Screw Studs

Available in Self Tap, Wood Screws, or Stainless Steel.



Nylon Screw Studs Nylon low base stud with wood screw.



Decorative Nails Nail strips and single heads suitable for upholstery and decorative applications.





Grommets and Washers

Brass and nickel finish. Grommet dies are also available.



Size	Hole Diameter	Flange Diameter
0	1/4"	9/16"
I	9/32"	11/16"
2	3/8"	13/16"
3	7/16"	l "
4	1/2"	11/16"
5	5/8"	13/16"
25	1/2"	7/8"



Baby Durable Snap System

This smaller, intermediate-duty snap system is made up of four parts: Cap, Self-piercing Eyelet, Socket and Stud.



Common Sense Fastener Heavy duty, positive locking turn button.

Tools and Tack Strip

prayway

SILICONE

Sprayway

CLEAN DE-GREASER

Sprayway Brand Products

Sprays

AST TAO 55

Silicont Spor

TRIAL

TP

- Scissors
- Hog Rings
- Rulers
- Tack Strips

Sprayway_® Products

A variety of sprays are offered for easier cleanup or to assist in the sewing room.

S55 Foam & Fabric Adhesive

Foam and Fabric Adhesive effectively bonds fabric to foam, metal or wood surfaces, and to itself. It also bonds urethanes and latex-type foams to themselves in butt-splicing, knife edging, laminating, boxing, and edge turning operations as well as to metal, rigid plastic, and wood surfaces.



NOTE: This product is not recommended for bonding vinyl.

■ S77 Silicone

Our Industrial Silicone Lubricant is an economical combination silicone lubricant and release agent spray that prevents sticking, stops rust, speeds productions, and helps the shop's equipment last longer and work harder.



C-60 Solvent

Industrial C-60 Solvent Cleaner & Degreaser removes unwanted ink spots, dirt, grease, oil, fresh paint, and other troublesome stains fast. It is also effective on tar. adhesive marks, crayon marks, and lipstick. Spray 63 leaves no residue.

NOTE: This spray is not for use on plastics.

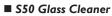
S31 Crazy Clean

Crazy Clean All Purpose Cleaner cleans "like crazy" and may be the only general cleaning spray needed for most cleaning situations. Spray on and wipe off to produce clean, sparkling surfaces.

NOTE: When using on vinyls, plastic seat covers or plastic tiles, rinse with a clean damp cloth.



Stops the squeaking, sticking, and binding that often occurs with most machinery. It retards corrosion and makes cleaning easier and quicker. #945 dries rapidly with no greasy or oily film.



With the World's Best Glass Cleaner, it's easy to clean glass, desktops, mirrors, enamel surfaces, and even chromes, tile, and porcelain. Dirt, greasy grit, and grime are quickly dissolved. No. 50 is guaranteed to leave no film. Just spray and wipe **cléaner** clean with a dry, clean cloth.

S830 Spot Lifter

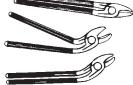
Our famous Spot Lifter is a quick and easy-touse spot remover that is used worldwide and guaranteed to leave neither stains nor rings. #830 removes tar, fresh paint, grease and oil stains from furniture and car upholstery, carpeting, wallpaper, slipcovers, clothing, hats and neckties.



Small Tools

Hog Ring Pliers

Straight, bent to 135°, curved to reach difficult spots.



Hog Rings

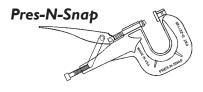
Used to secure material to springs on the bottom of seats. Size: 3/4"

Quantity: 25#









Tack Strip

We stock a high quality fiber board or metal tack strip with or without tacks. Type: Economy tack strip, deluxe tack strip, tack strip with tack.

Needles

Pull Through Size: 10", 11", 12", 17" Super Clip Ejector Needle Size: 10", 17"



Super Clip Needle Size: 10". 17" **Curved Needles Size:** 3" **Straight Needles**

Pull Through Needle with T-Bar Size: 7", 10" Type: 3 square Point Size: 12", 16"

Scissors

Type: Wiss Size: 8", 10", 12"

Wiss Thread Clip

Threads, strings, ripping seams.



Quick Clip Cutting thread, seam ripping, replacement blades

Industrial Cutting Board

Polypropylene cutting surface designed to preserve the sharp edge of cutting tools, e.g. stamping dies, drill bits, and blades. Size: 8" x 10" x 1/2"





Wooden Size: 60", 72" Quantity: Each

Lif-Table Hardware



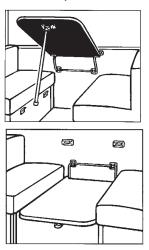
Engineered for use on

- Travel Trailers
- Pop-up Campers
- Truck-mount Campers
- Boats
- Motor Homes

Lif-Table Hardware

Ideal for Dining, Sleeping, Games or Table-Talk

- Manufactured to make camping and boating easier and more enjoyable for the entire family.
- Constructed of heavy gauge material for lasting service.
- Increases leg room and functionality.



Used for Outdoor Activities

Easily mounts to outside of RV unit. In addition, the leg is adjustable and used for leveling purposes when on uneven terrain.



Multi-Purpose Table

Convenient push-button

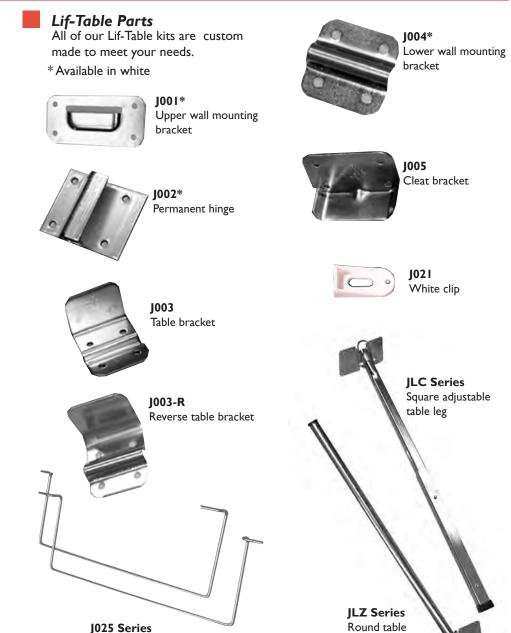
folding mechanism

• 24" x 48" x 28-1/2"

• I-I/2" Durable molded ABS top

• Lightweight - weighs 14.5 lbs.

Other sizes available



J025 Series Custom bent rods

NOW AVAILABLE!

Molded Folding Tables



Sport Table w/ Benches

• 42" x 26" High-Impact molded plastic top

leg

- Non-corrosive galvanized steel folding frame
- Independent folding benches that can attach inside the table for easy storage and transport

Personal Table

- 30" x 20" High-Impact Polypropylene top
- Adjustable height 21" to 28"
- Powder-coated steel folding frame

Custom Straps



Custom manufactured straps made to your specifications.

Strap Accessories

- BSR's
 - D-Rings
 - Tri-Slides
 - Snap Hooks
 - Swivel Hooks
 - Alligator Clips
 - Footman Loops

Cargo Nets





Distinctive storage solutions built to last.

Straps

Custom Straps

Custom manufactured to your specifications using the following materials such as: Velcro, poly webbing, vinyl tapes, snaps, fasteners, grommets, washers, D-Ring and BSR buckles.

Some examples:

TV Strap

One inch webbing with BSR buckle and 2 footman loops for permanent installation. Used to tie-down articles while RV is in motion.



Chair Strap

One inch webbing with an adjustable buckle and 2 metal snap hooks. Strap above shows an alligator clip, but is commonly sewn with a BSR buckle.

Strap Accessories



Plastic D-Ring

An economical, light-to-medium duty, temporary strap attachment



Metal D-Ring Medium-to-heavy duty, zinc-plated, welded



D-Ring with Tab

All metal construction, typically used with snap hook and strap. Small and inconspicuous for interior use.



Chafe Tab Metal rectangular ring with acetel tab for interior use. Used for permanent attachment of staps.

Footman Loops

Metal construction, zinc-plated; designed for permanent attachment of straps.

Strap Management Hardware

Rectangle Loop



Commonly used with 2-sided hook and loop applications to allow a strap to snap back on itself.

Tri-Slide



behind adjustable hooks and buckles. Made of durable acetal and available in black and white.

Used to manage excess strap

Step Lock

Used to manage excess strap like a tri-slide but with a thumb tab for ease of use and a more finished look.

BSRs or "Buckle Side Release"

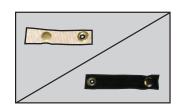
Ideally suited for temporary retention straps, made of durable acetel for long trouble-free use. Adjustable. Available in black and white.





Y-Strap

Commonly used to tie down furniture in RV's. Strap shown has a sewn joint and a snap hook and D-ring with tab on base. Both arms have BSR buckles and footman loops.



Web Door Strap

These small straps are used to hold pocket doors in place. They use 1" webbing and have a grommet and snap. Can be made with snaps at both ends.

Clear Plastic Door Strap

Similar to web door straps, these straps are clear to complement any decor.

Hooks



HD Swivel Snap Hook

Heavy Duty 2" swivel snap hook ideal for cargo containment applications.



Metal Snap Clip

A light to medium duty metal snap hook.

Alligator Clip



All metal construction, rugged, easy to use, thumb-print adjustment of feed strap; tie-back strap can be adjustable or permanently attached.

Compression Snap Hook

Strong medium duty hook for use with shock cords. Easy installation and adjustment with removable compression collar.

J-Hook



Light duty temporary hook for use with shock cord. Metal with plasticized coating.

Cargo Nets

With a broad array of accessories and capabilities, we can custom design and build innovative cargo nets to add distinction and function to your units.



Durable Construction

To ensure durable life we:

- encase all mesh sides with nylon polywebbing
- use a tighter, more rigid webbing to keep contents in their place
- use grommets on bottom edges
- heat treat all webbing cords and grommet holes

Let us help you design custom nets to enhance your products. Some examples are shown below.



Map/Document Pocket

- 18" x 12"
- 4 snaps
- Shock cord pouch top



Overhead Bin Net

- 70" × 13"
- 2 hooks and
- 8 grommets



- Large Shop Net • 24" × 52"
- 2 large and 4 small compartments
- I0 wall snaps
- Shock cord pouch top



Small Cargo Net • 12" × 8"

4 hooks

Laundry Bag





Large Luggage Net

- 81" x 74"
- 6 to 8 hooks or D-rings
- 6" squares
- Top buckle

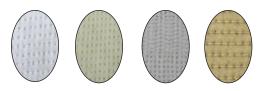


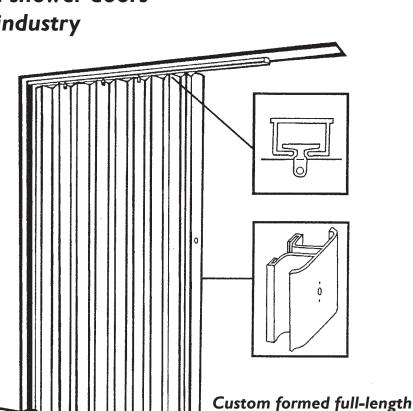
Doors

Accordian privacy doors and shower doors for the recreational vehicle industry

Folding accordian doors provide a functional way to easily divide a space. A folding door is economical, easy to install, and most importantly provides the fastest way to reconfigure a space without permanent dividers.

- Durable woven polyester
- Strong color-matched extruded vinyl hardware
- Single piece double handle bar eliminates handles
- Available in White, Ivory, Light Grey, Coffee and custom colors





double sided handle

Privacy Door Track

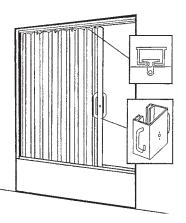
Used to mount privacy curtain on ceilings.



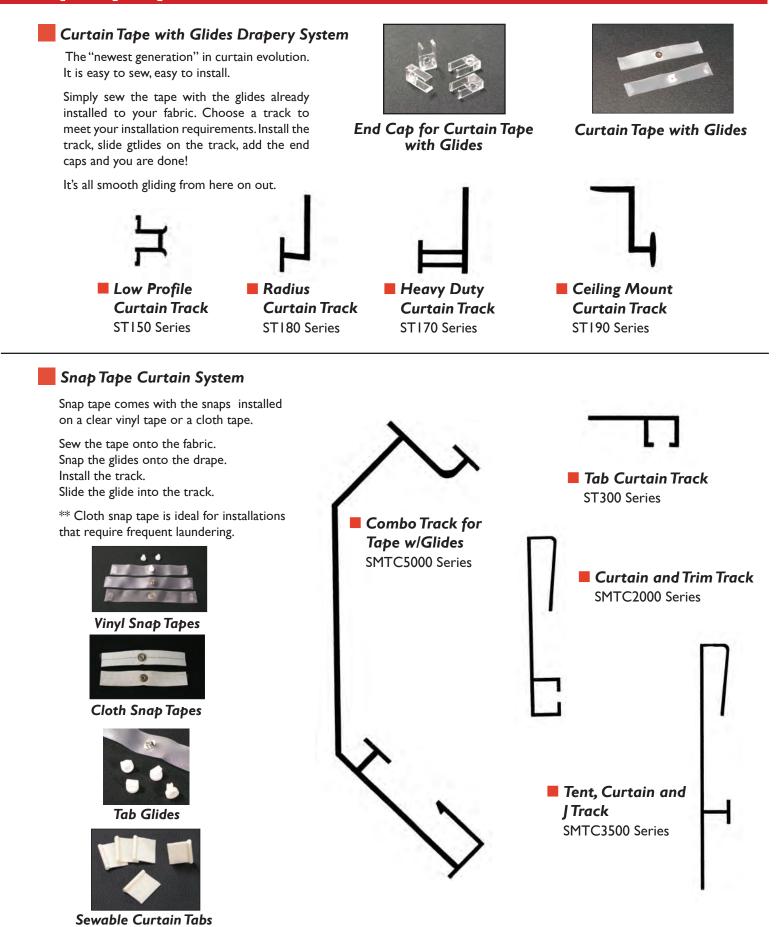


A practical product for showers

- Space saving design
- One piece extruded vinyl sheet (height up to 60") eliminates laminated sheeting
- Easy to install
- Features wide pull handles
- Available in White, Polar White and custom colors



A handle is attached to both sides of the shower door for ease of use

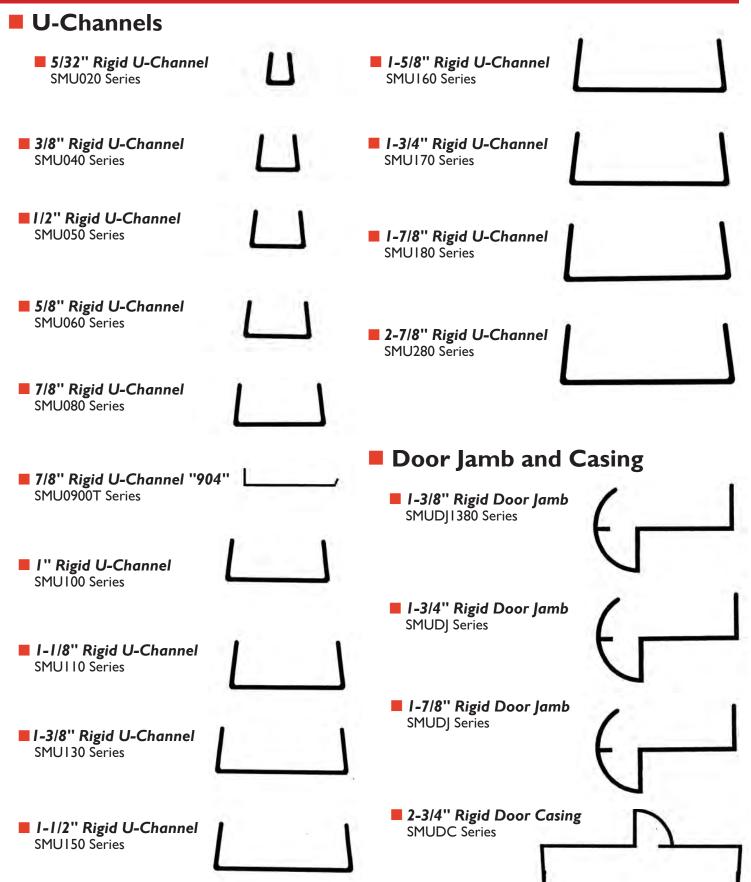


Extrusions

Rigid and Flexible:

- Angles
- Curtain Tracks
- H-Moldings
- J-Molding
- Outside Corner Molding
- Tubing
 - U-Channels

Rigid Extrusions



Rigid Extrusions

Angles "L" I/4 x I-I/2" Rigid Angle SMD2411 Series	Dividers "H" <i>I/8" Rigid Divider</i> SMHD2000 Series
3/4 x 3/4'' Rigid Angle	3/16" Rigid Divider
SMA070 Series	SMHD2000 Series
I/2 x I'' Rigid Angle SMA10050 Series	SMHD2000 Series
 I/2 x I-I/2" Rigid Angle	3/8'' Rigid Divider Bar
SMA670 Series 3/4 x I-7/8"	SMHD3800 Series
Rigid Angle	Rigid Ceiling Trim-Batten
SMD2380 Series	SMD2160 Series
I-1/2 x I-1/2" Rigid Angle - Heavy SMD2172 Series	Rigid Retainer SMD2150 Series
	Tent Systems
 Angles "F" and "J" 3/16" Rigid End Cap "J"	Tent Strip - Heavy
SMUEC1570 Series	STTH2 Series
	Flexible Bed Bunk Wipe SMABW3E Series
3/16" Rigid Outside Corner	Bed Bunk Slide
SMOC157 Series	SMSB52 - Black

Flexible Extrusions



Mud Flaps

TP



Mud Flaps

Motor Home Rock Guards





Flooring and Specialty Applications

Mud Flaps



Motor Home Rock Guards

Laser cut from high grade stainless steel, these mud flaps protect tow vehicles while adding distinctive flair to motor homes and racing carriers.

Value priced reflective flaps offer greater design options with high 24 hour on-the-road visibility.

Available Finishes for All Products • Matte Rough Grained Shallow V-Groove • Deep V-Groove • Flat Ribbed Raised Ribbed

Also available with pressure sensitive adhesive.

Flooring

Originally designed to stand up to heavy livestock traffic in dairy barns, our flooring performs well in toy haulers, horse trailers, cargo trailers and a variety of other applications.



*Also ask about

- Sound deadener
- Work top covering
- Horse trailer floors and walls

TROYER PRODUCTS

1090 Bloomingdale Drive Bristol, IN 46507 Phone: (574) 848-4393 Fax: (574) 848-5825