

# **PRODUCT GUIDE**

www.stimpson.com

Eyelets | Grommets | Washers Hole Plugs | Snap Fasteners Clamps | Ferrules | Arrows Vents | Tooling | Machinery













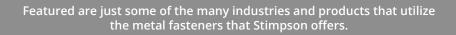














Our dedication to providing you, our valued business partner, with products of superior quality delivered promptly, combined with our depth of inventory, and supported by our commitment to service excellence make us the market leader among fastener manufacturers.















## **Product Index**

#### **Grommets**

Sheet Metal	
Snap Fasteners Snap Sets9	
Eyelets         An Introduction       10 - 1         GS®       12         Tag       13         Envelope       13         Polybag       13         Apparel       13         Shoe       14	
Hole Plugs         Standard       15         Tubing       16         Electrical Knockout       16         Special       16	
Washers         Sheet Metal	
Additional Categories         Arrows and Spinners       17         Clamps       17         Ferrules and Shells       17         Vents       17         Government Contracts       17         Webstore       18         Machinery       19 - 2         Military Specifications       22	21
iviiiitai y Specificatioris22	







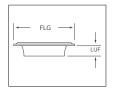
1515 S.W. 13th Court Pompano Beach, FL 33069 Toll Free (877) 765-0748 | Phone (954) 946-3500 customer\_service@stimpson.com

ISO 9001 Certified RoHs • REACH • DFARS Compliant

# **STIMPSON** Sheet Metal Grommets

#### Sheet Metal Grommets

can be used interchangeably with plain, teeth or neck washers.







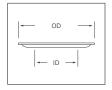






#### Plain Washers

basic reinforcement, providing support for the grommet setting.







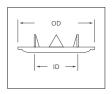






#### **Teeth Washers**

a firmer, tighter grasp, particularly in woven materials.





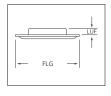






#### Neck Washers

telescoping, barrel to barrel setting, reinforces the hole with two entire parts.







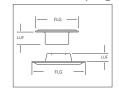




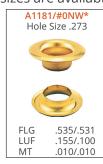


# **Telescoping Eyelets with Neck Washers**

The eyelet alternative in a telescoping setting. Additional sizes are available.











<sup>\*</sup> Indicates Scored Washers

<sup>\*</sup> Indicates Scored Washers

### with Plain, Teeth and Neck Washers

Stimpson Grommets and Washers are made from brass, aluminum and zinc, and are available in base metal or with popular finishes such as nickel or dull black chemical. Many sizes available in stainless steel.









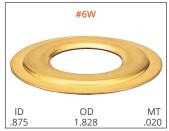






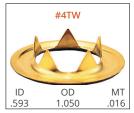










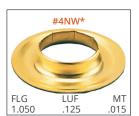




PACKAGING: Normally Grommets and Washers are shipped in bulk, however they may also be packed in 1, 5 or 10 gross boxes at additional cost. Self-Piercing Grommets and Washers are packed 500 pieces to a box at no additional cost.







**GOVERNMENT CONTRACTS:** Stimpson brass Grommets and Washers conform to U.S. Military specifications and may be ordered by Military Type and Class Numbers.

**AVAILABILITY:** Stimpson maintains the largest inventory of Grommets and Washers in the industry. In most cases, even

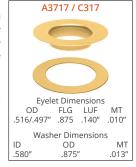
All dimensions are in inches.
Photos approximate actual size.
Hole size is approximate measurement after setting.

orders calling for popular finishes will be in stock.

ID= Inside Diameter, OD = Outside Diameter, FLG = Flange Diameter, LUF = Length Under Flange, MT= Metal Thickness

#### "Swatch Book" Eyelet and Washer

The flat design of both the Eyelet and the Washer make these parts ideal for use with fabric samples, sample books and display racks.





1515 S.W. 13th Court Pompano Beach, FL 33069 Toll Free (877) 765-0748 | Phone (954) 946-3500 customer\_service@stimpson.com

# **Rolled Rim Grommets with Spur Washers**

Stimpson Rolled Rim Grommets and Spur Washers are available in brass and zinc, with some sizes also offered in stainless steel. These parts interlock, their teeth grasping the material, to provide a rugged, unyielding setting. Offered in popular finishes such as nickel and dull black chemical.















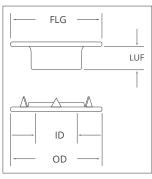


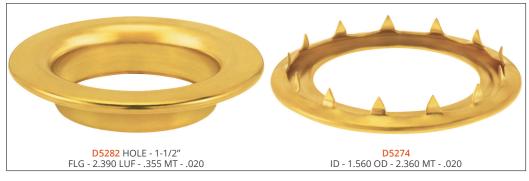




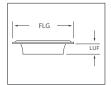


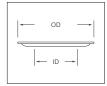






### Stainless Steel Sheet Metal Grommets and Plain Washers





Option 1: Marine Grade 304 Stainless Steel - Standard Gauge - Imported Option 2: \*Special Order 305/302 Stainless Steel - Standard Gauge - Made in USA

\*Minimum order quantities apply

#### Option 1 and Option 2





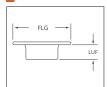


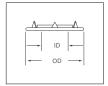






## Stainless Steel Rolled Rim Grommets and Spur Washers





Option 1: Marine Grade 304 Stainless Steel - Standard Gauge - Imported
Option 2: E-Series 304 Stainless Steel - Economy - Lighter Gauge - Imported
Option 3: \*Special Order 305/302 Stainless Steel - Standard Gauge - Made in USA
\*Minimum order quantities apply

#### Option 1 - Option 3





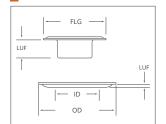








## **Self-Piercing Grommets & Washers**



Stimpson Self-Piercing Grommets are made from heavier gauge brass than traditional sheet metal grommets and, when set with their matching washers, pierce and set in a single action without the need for a pre-punched hole.

Stimpson Self-Piercing Grommets and Washers are available in brass, can be furnished with a nickel or dull black chemical finish. They can be used with Stimpson's "no hole needed" tooling or with the existing self-piercing tooling widely available in the marketplace.













Terminology: LUF = Length Under Flange, FLG = Flange Diameter, ID = Inside Diameter, OD = Outside Diameter, MT = Metal Thickness

## **E-Series 304 Stainless Steel Self-Piercing Grommets & Washers**

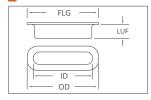






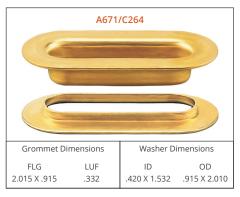
The Stimpson hand-operated 405 grommet setting machine is ideal for setting Stimpson Self-Piercing Grommets and Washers. See page 19 for further details.

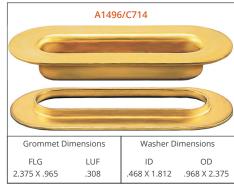
# **Oblong Grommets & Washers**



Stimpson Oblong Grommets and Washers are offered in brass, aluminum, zinc and stainless steel. Some of our most popular sizes are displayed below.













## **Snap Fasteners**



Stimpson snap sets are made from brass, brass nickel, dull black chemical and conform to Government Specifications MIL-F-10884, MS 27890 and MS 27981.

Stimpson large snap sets (24 Line) are also available in stainless steel with a plain stud, 3/8" screw stud or 5/8" screw stud.



1515 S.W. 13th Court Pompano Beach, FL 33069 Toll Free (877) 765-0748 | Phone (954) 946-3500 customer\_service@stimpson.com

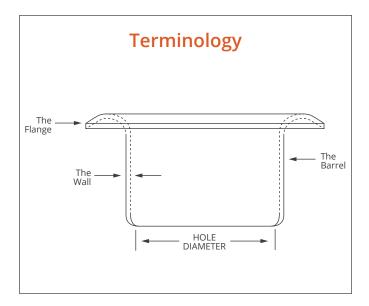
<sup>\*</sup> Indicates embossed oblong grommet & washer.

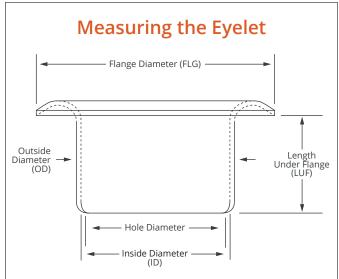
# An Introduction to STIMPSON Eyelets

No matter where you are, you're always surrounded by STIMPSON EYELETS. They're all over your home: in your appliances, electrical circuits, tools, children's toys, clothing, shoes, sneakers, furniture, lighting fixtures, outlets and switches, heating units, alarms, and more. They'll surround you in your car, on planes, trains, buses; and when you go to work, shopping or the gym, you'll find them there also.

Small, inexpensive, and often not seen, STIMPSON EYELETS are an indispensable ingredient in the successful production of most every manufacturing industry. On the pages that follow, we will introduce you to some of the sizes and styles we ship worldwide.

We now provide the following "Introduction to Stimpson Eyelets" to acquaint you with their many characteristics, and we invite you to speak with our Customer Service Representatives about your eyeleting needs. STIMPSON EYELETS are the low cost, reliable solution to thousands of fastening requirements.





# Standard Tolerances

<u>Dimensions</u>	<u>Tolerance</u>
Flange Diameter	+/005"
Outside Diameter	+/002"
Length Under Flange	+/005"
Hole Diameter usually	.005"
	smaller than mean inside diameter



There are three basic types of settings...Roll (or coil), Scored, or Flared.

The most common is the Roll which provides a smooth, rounded, uniform surface.

A Scored setting divides the end of the barrel into equal segments to provide extra grip strength in soft materials.

A Flared setting is commonly used in PC boards and provides a funnel appearance often used for soldering.

#### The Flange



Rolled Flange: A finished and decorative appearance makes the Rolled Flange a popular choice. When set, the under edges of the flange lend well to obtaining a tight setting by gripping the work.



Flat Flange: Usually selected when minimum above surface projection is desired, or where a recessed hole is used for clearance requirements. In soft or thin materials they may be chosen to avoid the flange cutting through the material.



**Embossed Flange:** Combines the contour of the rolled and flat flange to provide the holding power of the roll with a flat outer edge to reduce the chance of cutting through the work.



**Funnel Flange:** Popular in the electronics industry for easy insertion of leads, and/or trapping of solder flow on PC boards. Used for costume jewelry where gem stones are glued into the funnel contour.



Bell Flange: Also ideal for easy acceptance of leads. The rounded inner contour reduces abrasion where wire, cord, or rope is passed through the length of the barrel.



Clipped Flange: Where space constraints require virtually no flange, the usual flange area is clipped (trimmed) as close as possible to the outside diameter of the barrel.

#### The Barrel



**Straight Barrel:** Straight barrel eyelets are the most commonly used. The holes in the materials to be fastened together are usually the same size, and the straight barrel aids in alignment.



Tapered Barrel: The barrel has a definite tapering down of diameter from just under the flange to the bottom end. Desirable primarily in fastening soft materials since the taper provides an easy insertion into the work.



Shoulder Eyelets: So called because the barrel consists of two distinct diameters resulting in a stepped shoulder effect. Used to join parts with dissimilar hole sizes, or with the upper (larger) barrel portion acting as a spacer.



Closed End: A closed end can be used to fasten different pieces together while eliminating the pass through of air, dirt, grease, or other foreign matter. To set, the end of the barrel is bumped to collapse tightly against the work pieces.



Oblong and Square Barrels: In addition to the most common barrel styles described above, Oblong and Square Barrels are popular for specialized applications.



**Pre-Coiled:** Normally used as spacers, they are frequently molded in place in rubber or plastics.

#### Coil/Grip Ranges

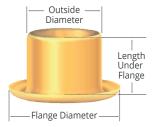
No two applications being alike, it's impossible to offer specific standards as to how much barrel length there should be to obtain proper coil/grip. Too much length can result in barrel buckling (collapsing). Too little may mean loss of grip strength. Rigid materials usually need less; soft flexible materials will need more, as a wide coil (to grip more material) is desirable. If parts fastened are exposed to unusual stresses, extra length is usually desirable, even though materials may be rigid in nature.

As a general guide in preliminary selection, the following should be helpful:

Eyelet Diameter: 3/64" to 1/16" 3/32" to 1/8" 5/32" to 3/16" 5/32" to 3/16" 1/4" or more Additional Length: 1/32" 1/16" 3/32" 3/32" 1/8"

For final determination as to proper length, after selecting an eyelet let us make actual settings for your functional testing. Or, send samples of your components and we'll select an eyelet and forward the settings for your review.

# **GS®** Eyelets



Stimpson "Graduated Size" (GS®) Eyelets are as their name indicates...a system of standard eyelets incorporating a series of graduated increases (1/32 of an inch) in both length and outside barrel diameters. The result is 72 eyelets which will meet the requirements of most



general purpose eyeleting applications. GS® Eyelets are most commonly requested in brass, and are normally inventoried in large quantities. In many cases, GS® Eyelets can also be made from steel, stainless steel, aluminum and copper.

72 GS® Eyelets, teamed with Stimpson's economical eyeleting machines, offer the highest quality system in the industry, at the lowest cost.

					LE	NGTH	UNDEF	R FLAN	GE				
INCHES	2/32 .062	3/32 .093	4/32 .125	5/32 .156	6/32 .187	7/32 .219	8/32 .250	9/32 .281	10/32 .312	11/32 .344	12/32 .375	1 <mark>3/32</mark> .406	14/32 .437
OUTSIDE .059 DIAMETER FLANGE .105 DIAMETER			ı	n		Î							
METAL .007		J											
THICKNESS	GS 2-2	GS 2-3	GS 2-4	GS 2-5	GS 2-6	GS 2-7							
OUTSIDE .089													
DIAMETER													
FLANGE .150									1				
DIAMETER			I.				4						
METAL .009													
THICKNESS		GS 3-3	GS 3-4	GS 3-5	GS 3-6	GS 3-7	GS 3-8	GS 3-9	GS 3-10	GS 3-11	GS 3-12		
OUTSIDE .121													
DIAMETER													
FLANGE .200								Ĭ		1			
DIAMETER													
METAL .0095													
THICKNESS		GS 4-3	GS 4-4	GS 4-5	GS 4-6	GS 4-7	GS 4-8	GS 4-9	GS 4-10	GS 4-11	GS 4-12		
OUTSIDE .152													
DIAMETER													
FLANGE .245													
DIAMETER					de								
METAL .010													
THICKNESS		GS 5-3	GS 5-4	GS 5-5	GS 5-6	GS 5-7	GS 5-8	GS 5-9	GS 5-10	GS 5-11	GS 5-12		
OUTSIDE .183													
DIAMETER													
FLANGE .290								T					
DIAMETER													
METAL .0105													
THICKNESS		GS 6-3	GS 6-4	GS 6-5	GS 6-6	GS 6-7	GS 6-8	GS 6-9	GS 6-10	GS 6-11	GS 6-12	GS 6-13	GS 6-14
OUTSIDE .215													
DIAMETER													
FLANGE .340													
DIAMETER													
METAL .011													
THICKNESS		GS 7-3	GS 7-4	GS 7-5	GS 7-6	GS 7-7	GS 7-8	GS 7-9	GS 7-10	GS 7-11	GS 7-12	GS 7-13	GS 7-14
OUTSIDE .246													
DIAMETER													T
FLANGE .385													
DIAMETER													
METAL .011													
THICKNESS		GS 8-3	GS 8-4	GS 8-5	GS 8-6	GS 8-7	GS 8-8	GS 8-9	GS 8-10	GS 8-11	GS 8-12	GS 8-13	GS 8-14

# For Tags, Envelopes, Binders and Polybags

Designed and manufactured to run in today's high speed machinery, Stimpson eyelets provide the exacting tolerances needed to ensure uninterrupted production. These proven industry standards have been developed over time to meet almost any production requirement.

#### "Tag and Polybag" Flat Flange Eyelets

















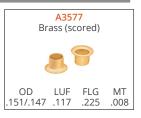


#### "Button & String Envelope" Eyelets









#### Rolled Flange Eyelets for "Ribbons, Folders, Financial & Legal Documents"









### **Eyelets for Apparel**







Stimpson Apparel Eyelets are made to industry and military standards with decorative flanges as well as popular finishes such as nickel, brass, various shades of antique bronze and military specified colors.

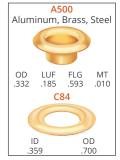
#### **Industry Standards Eyelets with Matching Washers**





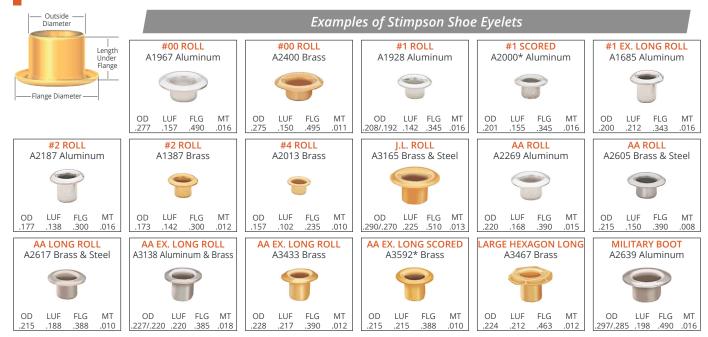








# **Shoe Eyelets**



Terminology: OD = Outside Diameter (Eyelets with two OD measurements indicate a tapered barrel), LUF = Length Under Flange, FLG = Flange Diameter, MT = Metal Thickness, \* Indicates scored eyelet.

## **Stimpson Candle Eyelets**

Stimpson offers the complete line of Candle Eyelets, made from .010" tin coated steel, 25% heavier than many of the clips currently being offered. This ensures the strength of the clip as it accepts the crimp and stabilizes the wick-clip assembly.

We choose to use tin coated steel as it helps to inhibit, though not totally prevent, corrosion and, thereby, is preferable to plain steel. This provides our Customers with that added measure of quality.

#### Stimpson Candle Eyelet Dimensions

			<u>Disc Diameter -</u>	15.0 mm (.590")	<u>Disc Diameter - 20.0 mm (.788")</u>			
			Hole	Size	Hole Size			
		Overall Length	2.4 mm (.094")	3.0 mm (.118")	2.1 mm (.083")	2.4 mm (.094")	3.0 mm (.118")	
	Industry Standards	3.8 mm (.150")	A3789STC	A3015STC	-	A3786STC	A3793STC	
	Medium Lengths	6.0 mm (.236")	A3792STC	A3779STC	A3957STC	A3797STC	A3796STC	
4	Safety Lengths	10.0 mm (.394")	A3798STC	A3777STC	A3961STC	A3800STC	A3799STC	
	Extra Safety Lengths	13.0 mm (.510")	A3851STC	A3850STC	-	-	-	



Wick-Clip Assemblies Waxed Wick on Reels Raw Wick on Spools



.......





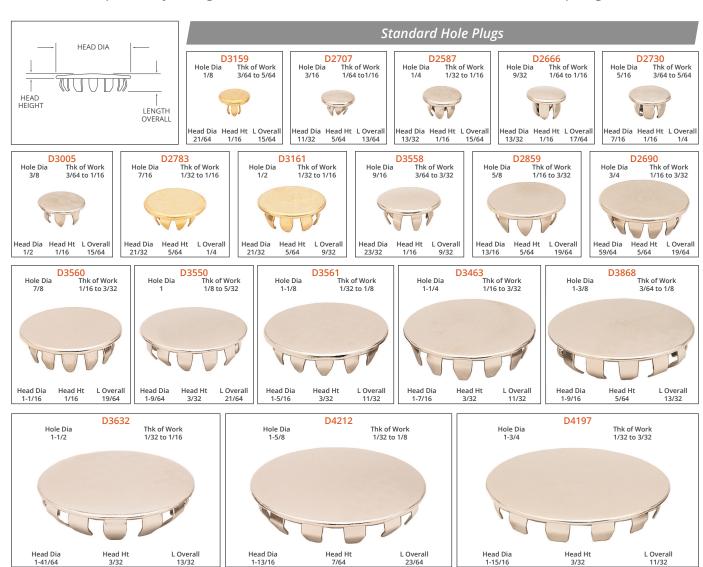


Please visit www.wicksunlimited.com for all your candle wicking needs.

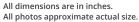
# **Hole Plugs**

We've chosen some of our most popular Hole Plugs for display on these pages. However, if you can't find one to fit your requirements, don't be concerned for we have over 300 additional Hole Plugs to choose from. In addition, new Hole Plugs are continually being developed to meet our customers' special applications.

Most of our Hole Plugs can be made from brass, steel and #1050 carbon steel, as your need requires. Other metals, such as stainless steel, are available for special situations. With minor tooling modifications most parts can be furnished stamped with your logo, with a different hole size in head, or with one or more prongs removed.



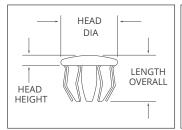






1515 S.W. 13th Court Pompano Beach, FL 33069 Toll Free (877) 765-0748 | Phone (954) 946-3500 customer\_service@stimpson.com

#### Tubing Hole Plugs







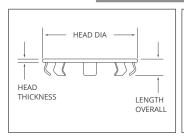






Shop Online at: webstore.stimpson.com See page 18

#### **Electrical Knockout Plugs**















#### Stimpson Special Hole Plugs















### **Additional Products**

Clamps, Vents, Ferrules, Shells, Washers, Arrows and Spinners are additional products manufactured by Stimpson.

#### Clamps





Stimpson manufactures a wide variety of clamps, which can be made with a single or double "u" shape, with or without teeth, or with lancings to improve pull and grip strengths.

#### Vents





Stimpson's wide selection of vents and matching washers are most often used for air circulation or drainage in products such as mattresses, rain gear, boots and hats.

#### Ferrules and Shells





Stimpson ferrules are made in a variety of configurations: straight or tapered, with or without a shoulder, closed ended and with virtually any shape hole.

#### Washers



A large range of round, square, oblong and screw washers is available from Stimpson, in addition to those sold with our grommets, eyelets and vents.

#### **Arrows and Spinners**



Whether the application is a board game, teaching aid, advertising novelty or instrument gauge, Stimpson's arrows and spinners will meet your requirements.

### **Government Contracts**

Approved, and in many cases, specified...Stimpson Grommets and Washers, Eyelets, Snap Fasteners, and Vents are manufactured in the United States of America and meet with the latest Military and Commercial Specifications. Stimpson Cage Code #57771. Displayed are some of our most requested items.

#### Military Specified Finishes



#### MIL-G-16491 | NASM16491



MIL-E-20652



MS 20230



MIL-F-10884 | MS 27980/81



Mail Bag Grommet & Washer



See page 22 for common Military Specifications

for Grommets & Washers

Boot Vent & <u>Wash</u>er



Hat Vent & Washer



ISO 9001 Certified • RoHs • REACH • DFARS • Berry Amendment Compliant

# webstore.stimpson.com

Featured below is a small sample of the items you will see at the Stimpson webstore. We are constantly working to add the most popular Stimpson products to our webstore offerings. If you don't see

what you need, please feel free to contact our customer service department at 954-946-3500 or customer\_service@stimpson.com. We will be happy to assist you.

#### **Grommets and Washers**



#0 ROLLED RIM GROMMET and SPUR WASHER BRASS (ORRGSW)



#0 ROLLED RIM GROMMET and SPUR WASHER MARINE GRADE STAINLESS (ORRGSWSSM)





#0 SELF-PIERCING GROMMET and WASHER BRASS (SPGW0)





#0 SHEET METAL GROMMET and NECK WASHER BRASS (0GNW)





#0 SHEET METAL GROMMET and TEETH WASHER BRASS (0GTW)

#### GS® Eyelets



GS 2-2 Brass Eyelets



GS 2-3 Brass Eyelets



GS 2-4 Brass Eyelets



GS 2-5 Brass Eyelets



GS 2-6 Brass Eyelets

#### Hole Plugs



Electrical KO Plug - Fits 1" KO Trade Size, Steel, Zinc Plated (D3833S)



Electrical KO Plug - Fits 1"-1/4" KO Trade Size, Steel, Zinc Plated (D3916S)



Electrical KO Plug - Fits 1-1/2" KO Trade Size, Steel, Zinc Plated (D3924S)



Electrical KO Plug - Fits 1/2" KO Trade Size, Steel, Zinc Plated (D3683S)



Electrical KO Plug - Fits 2" KO Trade Size, Steel, Zinc Plated (D4455S)

#### Snap Sets



20 Line Snap Set Long



24 Line Dull Black Snap Set





24 Line Nickel Plated Snap Set

#### Machinery and Tooling



Stimpson 405 Machine & #2 Self-Piercing Grommet & Washer Starter Kit



Base Plate for 405 Machine



405/479 Machine Tools to Set #0 Self-Piercing Grommet and Washer

.....



405/479 Machine Tools to Set #1 Self-Piercing Grommet and Washer



405/479 Machine Tools to Set #2 Self-Piercing Grommet and Washer

### **Stimpson Attaching Machines**

Quality fasteners need to be supported by quality tooling and attaching machines. Stimpson makes available to you the finest quality products in the marketplace...ensuring that your investment in new tooling or a new machine will be a wise one.

Pages 19 through 21 display the options available to meet your machinery requirements, from a hand operated bench machine to fully automatic dual feed grommeting machine.

For more information regarding Stimpson attaching machines and tooling, please ask to speak to one of our Machinery Customer Service Consultants, who will be happy to assist you. Additional information is also available on our website at www.stimpson.com.

\*Photographs may vary from actual machines due to minor design changes.

#### **Hand Drive**

Used with a wooden or rawhide mallet, Stimpson Hand Drive Tools can be used to set most Stimpson products.



#### **Modular Hand Drive**

For Grommets with Plain or Teeth Washers and Rolled Rim Grommets with Spur Washers and Snap Sets. Features interchangeable tool sizes.



#### 405 Bench Press

Low cost and versatile, the 405 bench press is ideal for smaller projects or prototype work. It is especially well suited for setting Stimpson Self-Piercing Grommets & Washers in most lightweight fabrics. Made with a heavy duty aluminum frame.

Height	12"
Weight	10 lbs.
Throat Depth	2-3/4"
Stroke	1-3/4"
Bench Space	3-1/2" x 9"





1515 S.W. 13th Court Pompano Beach, FL 33069 Toll Free (877) 765-0748 | Phone (954) 946-3500 customer\_service@stimpson.com

# **STIMPSON** Offers The Edward Segal

#### Model 3P6 Grommet Machine



Model 3P6 is a portable pneumatic press specifically designed for grommet applications. At only 22 pounds, 17" tall, 4" wide, and 11" deep, this powerful compact press is capable of punching a hole in a wide range of industrial fabrics and attaching Stimpson grommets and washers (sizes #00 - #4), all in a single cycle. All of the setting tools are interchangeable, and are simply threaded in place, allowing for fast conversions between grommet sizes. This machine is built on a sturdy welded frame and designed for safe operation, portability, and ease of use.

#### Model 3P6-X Grommet Machine

Model 3P6-X is a portable pneumatic press specifically designed for applications that require grommets that are larger than #4. The X is the larger, more robust version of the standard 3P6. This unit weighs 45 pounds, and measures 17-1/2" tall, 4-1/2" wide and 14" deep. Even though the 3P6-X is specifically designed for the larger grommets, it comes with an adapter set to run the standard 3P6 tools for smaller grommets (sizes #00 - #4). This machine is built on a sturdy welded frame and designed for safe operation, portability and ease of use. All of the setting tools are interchangeable, and are simply threaded in place to facilitate fast conversions between grommet sizes.



#### Model 3PGW Grommet Machine



The 3PGW is the most compact fully automatic grommet machine in the Edward Segal product line. This machine is based on the proven 3P platform that has been manufactured since 2005. The 3PGW relies on pneumatics and a powerful lever mechanism to produce sufficient force to set grommets in a wide variety of fabrics, including certain webbing materials. To offer maximum flexibility, it is available with several configurations including an optional Mobile Pedestal for portability. Dual feed, pneumatically powered, no electric required. Currently available for the #2 Plain Grommet.

#### Model 83 Grommet Machine

Models G83 and G2R83 are bench model grommet machines employing a single automatic feed of the grommet, and a hand feed of the washer. Model G83 is suitable for grommet applications where the holes are prepunched. Model G2R83 includes the double revolution feature to punch a hole in the material and then feed and set the grommet. For plain grommet sizes #00 - #5.



#### Model 83GW Grommet Machine



A dual feed, heavy duty grommet machine which pierces your material while it automatically feeds and sets both the grommet and the washer all with one tripping of the electric foot switch. The 83GW is especially suited for lighter materials as it pierces a hole versus punching a clean hole. With the pierce, the extra material folds back and provides a larger foundation to set the grommet and washer against. Available for rolled rim grommet sizes #0 to #4 with matching spur washer, and plain grommet and matching neck or teeth washer, sizes #00 to #4.

#### Model 92 Grommet Machine

The Model 92 Series of grommet machines has been designed for more challenging applications such as heavy duty industrial fabrics or setting larger grommets. They offer upgraded power by using a stronger motor and larger flywheel. All Model 92 machines are semi-automatic which means the grommet is automatically fed but the washer, if needed, is manually placed on the lower die. The Model G2R92 version includes the double revolution feature to punch a hole in the material and then feed and set the grommet. It can accommodate all standard grommet sizes to a maximum of #5 rolled rim.



### **Line Of Attaching Machines**



#### Model 92GW Grommet Machine



The Model 92GW is a dual feed, heavy duty grommeting machine. It offers the attractive advantage of being able to make settings in heavy duty industrial fabrics (including kevlar and nylon) by punching out the hole and then attaching the grommet & washer in a single cycle. In addition, a material thickness compensator allows materials with thickness differences of up to 1/8" to be set without a setting tool adjustment. Available for grommet & washer sizes #0 to #4 inclusive.

#### Model 2KGW Grommet Machine

State-of-the-art, fully automatic, grommet machine. This machine is built around a newly designed frame that requires less space and is much lighter than previous generations of machines. The 2KGW is a fully automatic machine that feeds both the grommet and washer, punches the hole in the material and attaches the grommet and washer, all in a single cycle. Flywheel powered and cam actuated to ensure consistent settings. It offers advanced cutting and material thickness compensation technology. The 2KGW has been specifically engineered for light to medium duty applications. Available for grommet and washer sizes #00 to #2.



#### Model 4KGW Grommet Machine



The most advanced grommet machine in Edward Segal's product line, the 4KGW uses pneumatic force and innovative toggle linkage to cut through multiple layers of the toughest fabrics. The 4KGW has fewer moving parts than mechanical grommet machines, simplifying maintenance requirements. PLC based controls provide for optimal machine flexibility, and a pressure setting switch compensates for variances in material thickness. Fully automatic, dual feed, the 4KGW is available for Stimpson grommet and washer sizes #0 to #4.

#### Model 83 Eyelet Machine

Model 83, 83LT and 2R83 are bench model, automatic feed, eyelet attaching machines specifically designed to make single or multiple high speed eyelet settings in most light to moderate weight fabrics. The base Model 83 machine is used for single or multiple eyelet settings where materials are prepunched or where the eyelet cuts its own hole. Model 2R83 is similar to the base Model 83 machine, but includes the double revolution feature to punch holes in your material. Model 83LT is designed to set small eyelets using the Limited Travel feature.



#### Model MS4 Snap Fastener Machine



The Model MS4 is a fully automatic snap fastener machine tooled for industry standard components. This machine is offered for customers looking for an affordable, reliable solution for snap fastener applications. The Model MS4 is a flywheel powered machine and features rotary hoppers, a target light for locating the snap position on the material, and a mechanical clutch with a non-repeat mechanism, to ensure long-term safe operation.

Offered by Midward Supply.

# Common Military Specifications for Grommets & Washers

### NASM16491 (supersedes MIL-G-16491)

Type	Class	Trade Size / Stimpson Part Number								
		00	0	1	2	3	4	5		
Type I	Class 1 Class 2 Class 3	00GWB 00GWBN 00GWBDBC	0GWB 0GWBN 0GWBDBC	1GWB 1GWBN 1GWBDBC	2GWB 2GWBN 2GWBDBC	3GWB 3GWBN 3GWBDBC	4GWB 4GWBN 4GWBDBC	5GWB 5GWBN 5GWBDBC		
Type II	Class 1 Class 2 Class 3		0GTWB 0GTWBN 0GTWBDBC	1GTWB 1GTWBN 1GTWBDBC	2GTWB 2GTWBN 2GTWBDBC	3GTWB 3GTWBN 3GTWBDBC	4GTWB 4GTWBN 4GTWBDBC	5GTWB 5GTWBN 5GTWBDBC		
Type III	Class 1 Class 2 Class 3		ORRGSWB ORRGSWBN ORRGSWBDBC	1RRGSWB 1RRGSWBN 1RRGSWBDBC	2RRGSWB 2RRGSWBN 2RRGSWBDBC	3RRGSWB 3RRGSWBN 3RRGSWBDBC	4RRGSWB 4RRGSWBN 4RRGSWBDBC	5RRGSWB 5RRGSWBN 5RRGSWBDBC		

#### Type and Class Definitions for NASM16491:

Type I: Sheet Metal Grommet with Plain Washer Class 1: Plain Brass

Type II: Sheet Metal Grommet with Teeth Washer Class 2: Brass with Nickel plating

Type III: Rolled Rim Grommet with Spur Washer Class 3: Brass with Dull Black Chemical (oxide) finish

#### \*NASM20230 (supersedes MS20230)

Sh	eet Metal Grommets 8	k Washers	Rolled R	im Grommets & Spur	Washers
	Spec	Stimpson Part		Spec	Stimpson Part
	NASM20230B20	00GWB		N. 4 CM 420220 DC4 0	ODD CCIMD
	NASM20230B10	0GWB		NASM20230BS10	0RRGSWB
	NASM20230B1	1GWB		NASM20230BS1	1RRGSWB
Grommet	NASM20230B2	2GWB	Grommet	NASM20230BS2	2RRGSWB
& Washer	NASM20230B3	3GWB	& Washer	NASM20230BS3	3RRGSWB
	NASM20230B4	4GWB		NASM20230BS4	4RRGSWB
	NASM20230B5	5GWB		NASM20230BS5	5RRGSWB
	NASM20230GB20	00GB			
	NASM20230GB10	0GB		NASM20230GBS10	ORRGB
	NASM20230GB1	1GB		NASM20230GBS1	1RRGB
Grommet	NASM20230GB2	2GB	Grommet	NASM20230GBS2	2RRGB
Only	NASM20230GB3	3GB	Only	NASM20230GBS3	3RRGB
	NASM20230GB4	4GB		NASM20230GBS4	4RRGB
	NASM20230GB5	5GB		NASM20230GBS5	5RRGB
	NASM20230WB20	00WB			
	NASM20230WB10	0WB		NASM20230WBS10	0SWB
	NASM20230WB1	1WB		NASM20230WBS1	1SWB
Washer	NASM20230WB2	2WB	Washer	NASM20230WBS2	2SWB
Only	NASM20230WB3	3WB	Only	NASM20230WBS3	3SWB
,	NASM20230WB4	4WB	,	NASM20230WBS4	4SWB
	NASM20230WB5	5WB		NASM20230WBS5	5SWB

\*NASM20230 Specifies Plain Brass Only

Notes				

### STIMPSON QUALITY STATEMENT

The policy of Stimpson is to produce quality products that satisfy requirements. Management is committed to work with and provide each employee with the resources and training necessary to continually improve the effectiveness of the Quality System.

ISO 9001 Certified





Pompano Beach, FL 33069

