



STIMPSON

PRODUCT GUIDE

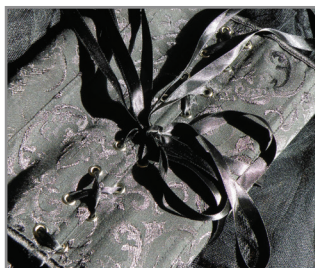
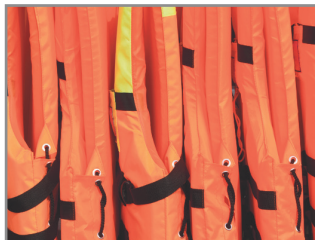
www.stimpson.com

Eyelets | Grommets | Washers

Hole Plugs | Snap Fasteners

Clamps | Ferrules | Arrows

Vents | Tooling | Machinery



Featured are just some of the many industries and products that utilize the metal fasteners that Stimpson offers.

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.....	4 - 5
Rolled Rim.....	6 - 7
Stainless Steel.....	7 - 8
Self-Piercing.....	8
Oblong.....	9

Snap Fasteners

Snap Sets.....	9
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Eyelets

An Introduction	10 - 11
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.....	4 - 5
Teeth.....	4 - 5
Neck.....	4 - 5
Spur	6 - 7
Stainless Steel.....	7 - 8
Oblong.....	9

Additional Categories

Arrows and Spinners	17
Clamps.....	17
Ferrules and Shells	17
Vents.....	17
Government Contracts.....	17
Webstore.....	18
Machinery	19 - 21
Military Specifications.....	22



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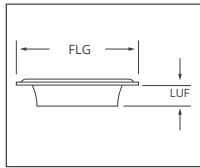


STIMPSON

Sheet Metal Grommets

Sheet Metal Grommets

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



#00G
Hole Size 3/16"
FLG .425
LUF .135
MT .009

#0G
Hole Size 1/4"
FLG .545
LUF .175
MT .012

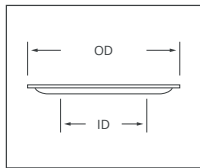
#1G
Hole Size 9/32"
FLG .687
LUF .185
MT .012

#1JG
Hole Size 9/32"
FLG .680
LUF .263
MT .0126

#2G
Hole Size 3/8"
FLG .815
LUF .215
MT .013

Plain Washers

basic reinforcement, providing support for the grommet setting.



#00W
ID .218
OD .460
MT .009

#0W
ID .289
OD .546
MT .010

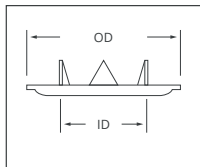
#1W
ID .359
OD .700
MT .012

#1W
ID .359
OD .700
MT .012

#2W
ID .453
OD .835
MT .012

Teeth Washers

a firmer, tighter grasp, particularly in woven materials.



#0TW
ID .290
OD .570
MT .0115

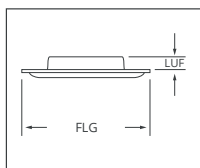
#1TW
ID .350
OD .680
MT .014

#1TW
ID .350
OD .680
MT .014

#2TW
ID .468
OD .840
MT .012

Neck Washers

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



#00NW*
FLG .425
LUF .125
MT .010

#0NW*
FLG .531
LUF .100
MT .010

#1NW*
FLG .705
LUF .105
MT .010

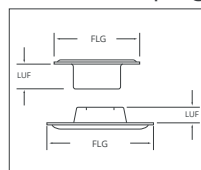
#1NW*
FLG .705
LUF .105
MT .010

#2NW*
FLG .840
LUF .095
MT .013

* Indicates Scored Washers

Telescoping Eyelets with Neck Washers

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



A1445/#00NW*
Hole Size .177
FLG .403/.425
LUF .210/.125
MT .0135/.010

A1181/#0NW*
Hole Size .273
FLG .535/.531
LUF .155/.100
MT .010/.010

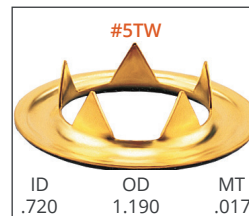
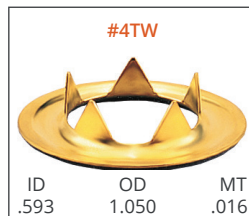
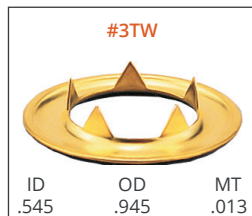
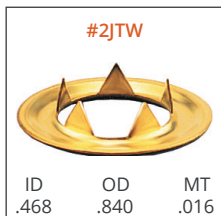
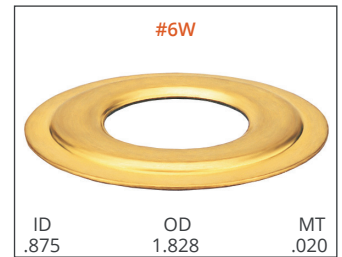
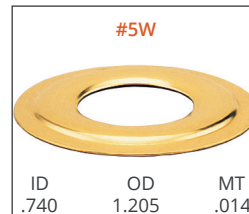
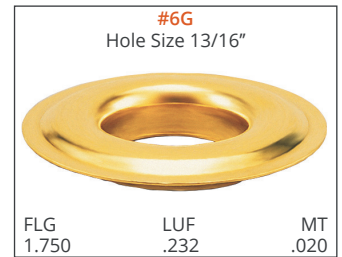
A1998/#0NW*
Hole Size .270
FLG .540/.531
LUF .120/.100
MT .016/.010

A1333/A1334
Hole Size .274
FLG .545/.562
LUF .145/.080
MT .013/.009

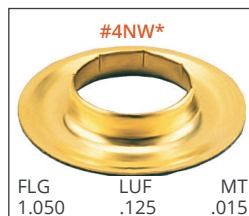
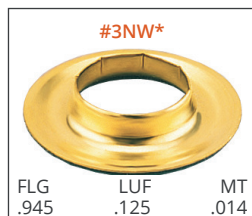
* Indicates Scored Washers

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.



AVAILABILITY: Stimpson maintains the largest inventory of Grommets and Washers in the industry. In most cases, even orders calling for popular finishes will be in stock.

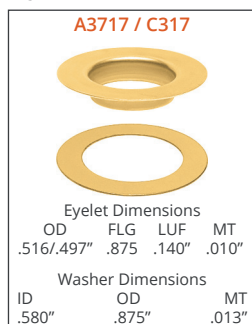
GOVERNMENT CONTRACTS: Stimpson brass Grommets and Washers conform to U.S. Military specifications and may be ordered by Military Type and Class Numbers.

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

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.



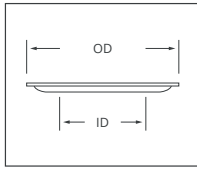
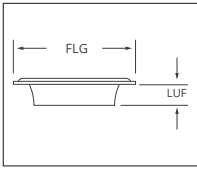
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Rolled Rim Grommets with Spur Washers

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.

 #0RRG HOLE - 9/32" FLG - .670 LUF - .175 MT - .016  #0SW ID - .345 OD - .645 MT - .016	 #0LRRG HOLE - 9/32" FLG - .670 LUF - .240 MT - .016  #0SW ID - .345 OD - .645 MT - .016	 #0XLRRG HOLE - 9/32" FLG - .670 LUF - .300 MT - .016  #0SW ID - .345 OD - .645 MT - .016	 #1RRG HOLE - 13/32" FLG - .790 LUF - .205 MT - .016  #1SW ID - .455 OD - .790 MT - .016
 #2RRG HOLE - 7/16" FLG - .890 LUF - .255 MT - .018  #2SW ID - .512 OD - .890 MT - .018	 #2XLRRG HOLE - 7/16" FLG - .890 LUF - .348 MT - .018  #2SW ID - .512 OD - .890 MT - .018	 #3RRG HOLE - 15/32" FLG - .970 LUF - .255 MT - .020  #3SW ID - .537 OD - .970 MT - .020	 #4RRG HOLE - 9/16" FLG - 1.120 LUF - .320 MT - .020  #4SW ID - .645 OD - 1.120 MT - .020
 #5RRG HOLE - 5/8" FLG - 1.285 LUF - .380 MT - .021  #5SW ID - .777 OD - 1.270 MT - .021	 #6RRG HOLE - 3/4" FLG - 1.535 LUF - .420 MT - .025  #6SW ID - .875 OD - 1.505 MT - .025	 #7RRG HOLE - 29/32" FLG - 1.725 LUF - .446 MT - .020  #7SW ID - 1.062 OD - 1.725 MT - .020	 #8RRG HOLE - 1-3/32" FLG - 1.865 LUF - .465 MT - .025  #8SW ID - 1.195 OD - 1.910 MT - .020
			
 D5282 HOLE - 1-1/2" FLG - 2.390 LUF - .355 MT - .020		 D5274 ID - 1.560 OD - 2.360 MT - .020	

Stainless Steel Sheet Metal Grommets and Plain Washers






Option 1: Marine Grade 304 Stainless Steel - Standard Gauge - Imported

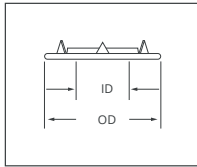
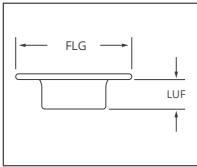
Option 2: *Special Order 305/302 Stainless Steel - Standard Gauge - Made in USA

*Minimum order quantities apply

Option 1 and Option 2

#00G - Hole Size 3/16"	#0G - Hole Size 1/4"	#1G - Hole Size 9/32"	#2G - Hole Size 3/8"	#3G - Hole Size 7/16"	#4G - Hole Size 1/2"
					
FLG .425 LUF .135 MT .009	FLG .545 LUF .175 MT .012	FLG .687 LUF .185 MT .012	FLG .815 LUF .215 MT .013	FLG .970 LUF .295 MT .014	FLG 1.050 LUF .374 MT .016
#00W	#0W	#1W	#2W	#3W	#4W
					
ID .218 OD .460 MT .009	ID .289 OD .546 MT .010	ID .359 OD .700 MT .012	ID .453 OD .835 MT .012	ID .530 OD .955 MT .013	ID .585 OD 1.062 MT .013

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

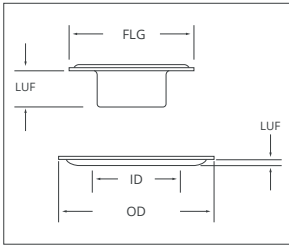
Option 3: *Special Order 305/302 Stainless Steel - Standard Gauge - Made in USA

*Minimum order quantities apply

Option 1 - Option 3

#0RRG - Hole Size 9/32"	#0LRRG - Hole Size 9/32"	#1RRG - Hole Size 13/32"	#2RRG - Hole Size 7/16"	#3RRG - Hole Size 15/32"	#4G - Hole Size 9/16"
					
FLG .670 LUF .175 MT .016	FLG .670 LUF .240 MT .016	FLG .790 LUF .205 MT .016	FLG .890 LUF .255 MT .018	FLG .970 LUF .255 MT .020	FLG 1.120 LUF .320 MT .020
#0SW	#0SW	#1SW	#2SW	#3SW	#4SW
					
ID .345 OD .645 MT .016	ID .345 OD .645 MT .016	ID .455 OD .790 MT .016	ID .512 OD .890 MT .018	ID .537 OD .970 MT .020	ID .645 OD 1.120 MT .020

Self-Piercing Grommets & Washers



Simpson 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.


Simpson 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 Simpson's "no hole needed" tooling or with the existing self-piercing tooling widely available in the marketplace.

 #0SPG HOLE - 1/4" FLG - .550 LUF - .165 MT - .015  #0SPW ID - .337 OD - .575 MT - .011	 #1SPG HOLE - 5/16" FLG - .630 LUF - .200 MT - .015  #1SPW ID - .400 OD - .655 MT - .011	 #1XLSPG HOLE - 5/16" FLG - .630 LUF - .320 MT - .015  #1SPW ID - .400 OD - .655 MT - .011
 #2SPG HOLE - 3/8" FLG - .750 LUF - .200 MT - .015  #2SPW ID - .437 OD - .770 MT - .011	 #E2XLSPG HOLE - 3/8" FLG - .750 LUF - .500 MT - .012  #E2SPW ID - .437 OD - .770 MT - .010	 #3SPG HOLE - 7/16" FLG - .970 LUF - .185 MT - .015  #3SPW ID - .546 OD - .970 MT - .011

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

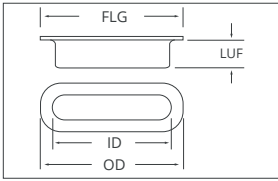
E-Series 304 Stainless Steel Self-Piercing Grommets & Washers



 #E2SPG HOLE - 3/8" FLG - .750 LUF - .200 MT - .010  #E2SPW ID - .437 OD - .770 MT - .010	 #E2XLSPG HOLE - 3/8" FLG - .750 LUF - .500 MT - .012  #E2SPW ID - .437 OD - .770 MT - .010
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The Simpson hand-operated 405 grommet setting machine is ideal for setting Simpson 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.


A670/C501			
Grommet Dimensions		Washer Dimensions	
FLG	LUF	ID	OD
1.315 X .665	.225	.268 X .923	.625 X 1.286

A671/C264			
Grommet Dimensions		Washer Dimensions	
FLG	LUF	ID	OD
2.015 X .915	.332	.420 X 1.532	.915 X 2.010

A1496/C714			
Grommet Dimensions		Washer Dimensions	
FLG	LUF	ID	OD
2.375 X .965	.308	.468 X 1.812	.968 X 2.375

A591/C189			
Grommet Dimensions		Washer Dimensions	
FLG	LUF	ID	OD
1.125 X .690	.222	.400 X .800	.685 X 1.125

A113/C118			
Grommet Dimensions		Washer Dimensions	
FLG	LUF	ID	OD
1.406 X .565	.269	.312 X 1.187	.562 X 1.437

A3537*/C829*					
					
Grommet Dimensions			Washer Dimensions		
FLG	LUF	MT	ID	OD	MT
1.405 X 1.035	.285	.014	.925 X .575	1.405 X 1.035	.014

* Indicates embossed oblong grommet & washer.

Snap Fasteners

Snap Sets

	SET D4617 (24 Line)	SET D4902 (20 Line)	SET D4862 (20 Line Long)
CAP	D4543 Cap Diameter .598 Length Under Cap .177	D4861 Cap Diameter .510 Length Under Cap .142	D4861 Cap Diameter .510 Length Under Cap .142
SOCKET	D4511 	D4858 	D4858
STUD	D4547 	D4859 	D4859
POST	D4629 Head Diameter .562 Length Under Head .239	D4902 Head Diameter .495 Length Under Head .179	D4862 Head Diameter .495 Length Under Head .234

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.



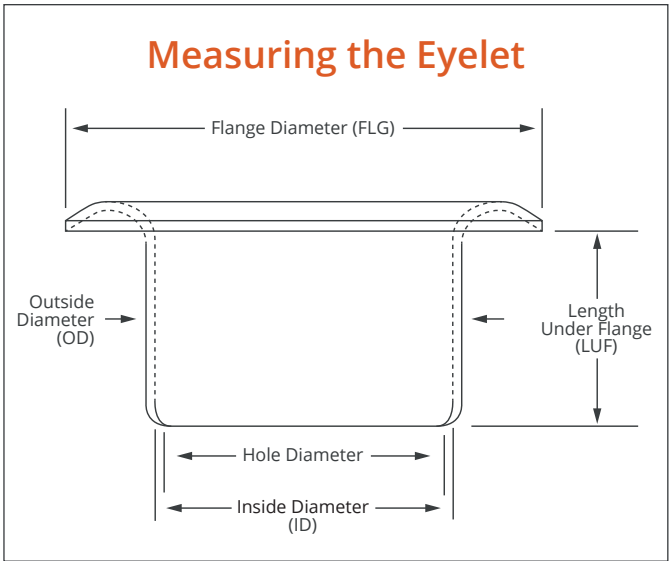
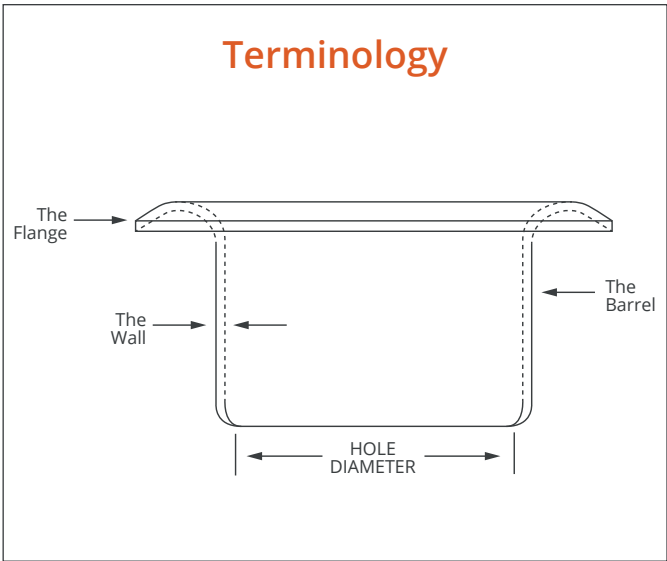
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 Toll Free (877) 765-0748 | Phone (954) 946-3500
customer_service@stimpson.com

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


Settings



ROLL



SCORED



FLARED

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.



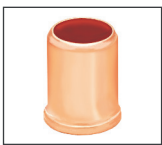
Embossed Flange: Combines the contour of the rolled and flat flange to provide the holding power of the roll with a flat outer edge to reduce the chance of cutting through the work.



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

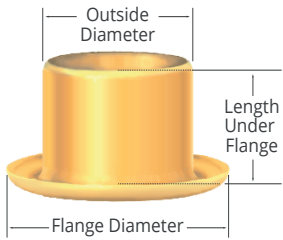
No two applications being alike, it's impossible to offer specific standards as to how much barrel length there should be to obtain proper coil/grip. Too much length can result in barrel buckling (collapsing). Too little may mean loss of grip strength. Rigid materials usually need less; soft flexible 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.

INCHES	LENGTH UNDER FLANGE												
	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	13/32 .406	14/32 .437
OUTSIDE .059 DIAMETER													
FLANGE .105 DIAMETER													
METAL .007 THICKNESS													
OUTSIDE .089 DIAMETER													
FLANGE .150 DIAMETER													
METAL .009 THICKNESS													
OUTSIDE .121 DIAMETER													
FLANGE .200 DIAMETER													
METAL .0095 THICKNESS													
OUTSIDE .152 DIAMETER													
FLANGE .245 DIAMETER													
METAL .010 THICKNESS													
OUTSIDE .183 DIAMETER													
FLANGE .290 DIAMETER													
METAL .0105 THICKNESS													
OUTSIDE .215 DIAMETER													
FLANGE .340 DIAMETER													
METAL .011 THICKNESS													
OUTSIDE .246 DIAMETER													
FLANGE .385 DIAMETER													
METAL .011 THICKNESS													





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

A3730 Zinc  OD .194/.188 LUF .089 FLG .256 MT .0115	A1951 Zinc  OD .195/.190 LUF .093 FLG .254 MT .0115	A168 Aluminum, Brass, Zinc  OD .196 LUF .095 FLG .250 MT .008	A34 Brass  OD .215/.205 LUF .092 FLG .330 MT .008	A2491 Aluminum, Brass, Zinc  OD .245 LUF .095 FLG .324 MT .010
A35 Brass, Steel, Zinc  OD .260/.250 LUF .132 FLG .375 MT .008	A2658 Aluminum, Brass, Steel  OD .341 LUF .115 FLG .450 MT .008	A36 Aluminum, Brass, Zinc  OD .342 LUF .092 FLG .460 MT .008	A38 Brass & Zinc  OD .343 LUF .131 FLG .468 MT .009	A558 Brass & Zinc  OD .356 LUF .110 FLG .475 MT .010

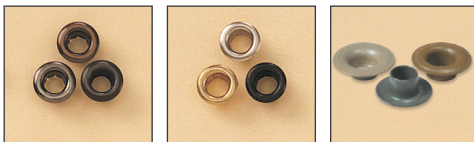
"Button & String Envelope" Eyelets

A22 Brass & Zinc  OD .148/.140 LUF .149 FLG .218 MT .007	A1119 Brass & Zinc (scored)  OD .151/.147 LUF .117 FLG .225 MT .008	A3576 Brass  OD .148/.140 LUF .148 FLG .218 MT .008	A3577 Brass (scored)  OD .151/.147 LUF .117 FLG .225 MT .008
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Rolled Flange Eyelets for "Ribbons, Folders, Financial & Legal Documents"













A942 Aluminum, Brass, Steel  OD .185 LUF .145 FLG .312 MT .008	A211 Aluminum, Brass, Zinc  OD .185 LUF .147 FLG .285 MT .010	A737 Brass  OD .185/.175 LUF .182 FLG .285 MT .010	A740 Aluminum & Brass  OD .185 LUF .102 FLG .285 MT .009
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Eyelets for Apparel

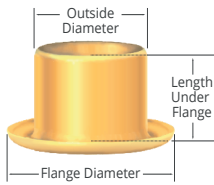


Stimpson Apparel Eyelets are made to industry and military standards with decorative flanges as well as popular finishes such as nickel, brass, various shades of antique bronze and military specified colors.

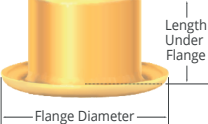

















Industry Standards Eyelets with Matching Washers

A2058 Brass & Steel  OD .183 LUF .142 FLG .300 MT .010 C62  ID .218 OD .375	A942 Aluminum, Brass, Steel  OD .185 LUF .145 FLG .312 MT .008 C63  ID .188 OD .375	A289 Brass & Steel  OD .215 LUF .165 FLG .390 MT .008 C790  ID .220 OD .463	A618 Aluminum, Brass, Steel  OD .273 LUF .185 FLG .450 MT .008 C83  ID .289 OD .546	A500 Aluminum, Brass, Steel  OD .332 LUF .185 FLG .593 MT .010 C84  ID .359 OD .700	A928 Brass  OD .413 LUF .250 FLG .750 MT .014 C85  ID .453 OD .835
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Shoe Eyelets



Examples of Stimpson Shoe Eyelets

	#00 ROLL A1967 Aluminum  OD .277 LUF .157 FLG .490 MT .016	#00 ROLL A2400 Brass  OD .275 LUF .150 FLG .495 MT .011	#1 ROLL A1928 Aluminum  OD .208/.192 LUF .142 FLG .345 MT .016	#1 SCORED A2000* Aluminum  OD .201 LUF .155 FLG .345 MT .016	#1 EX. LONG ROLL A1685 Aluminum  OD .200 LUF .212 FLG .343 MT .016
#2 ROLL A2187 Aluminum  OD .177 LUF .138 FLG .300 MT .016	#2 ROLL A1387 Brass  OD .173 LUF .142 FLG .300 MT .012	#4 ROLL A2013 Brass  OD .157 LUF .102 FLG .235 MT .010	J.L. ROLL A3165 Brass & Steel  OD .290/.270 LUF .225 FLG .510 MT .013	AA ROLL A2269 Aluminum  OD .220 LUF .168 FLG .390 MT .015	AA ROLL A2605 Brass & Steel  OD .215 LUF .150 FLG .390 MT .008
AA LONG ROLL A2617 Brass & Steel  OD .215 LUF .188 FLG .388 MT .010	AA EX. LONG ROLL A3138 Aluminum & Brass  OD .227/.220 LUF .220 FLG .385 MT .018	AA EX. LONG ROLL A3433 Brass  OD .228 LUF .217 FLG .390 MT .012	AA EX. LONG SCORED A3592* Brass  OD .215 LUF .215 FLG .388 MT .010	LARGE HEXAGON LONG A3467 Brass  OD .224 LUF .212 FLG .463 MT .012	MILITARY BOOT A2639 Aluminum  OD .297/.285 LUF .198 FLG .490 MT .016

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

			Disc Diameter - 15.0 mm (.590")		Disc Diameter - 20.0 mm (.788")		
			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
	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.

Standard Hole Plugs

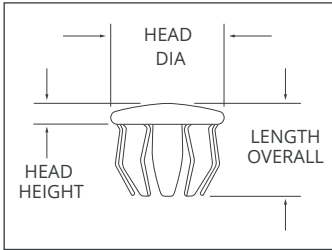
<p>D3159</p> <p>Hole Dia 1/8 Thk of Work 3/64 to 5/64</p> <p>Head Dia 21/64 Head Ht 1/16 L Overall 15/64</p>	<p>D2707</p> <p>Hole Dia 3/16 Thk of Work 1/64 to 1/16</p> <p>Head Dia 11/32 Head Ht 5/64 L Overall 13/64</p>	<p>D2587</p> <p>Hole Dia 1/4 Thk of Work 1/32 to 1/16</p> <p>Head Dia 13/32 Head Ht 1/16 L Overall 15/64</p>	<p>D2666</p> <p>Hole Dia 9/32 Thk of Work 1/64 to 1/16</p> <p>Head Dia 13/32 Head Ht 1/16 L Overall 17/64</p>	<p>D2730</p> <p>Hole Dia 5/16 Thk of Work 3/64 to 5/64</p> <p>Head Dia 7/16 Head Ht 1/16 L Overall 1/4</p>
<p>D3005</p> <p>Hole Dia 3/8 Thk of Work 3/64 to 1/16</p> <p>Head Dia 1/2 Head Ht 1/16 L Overall 15/64</p>	<p>D2783</p> <p>Hole Dia 7/16 Thk of Work 1/32 to 1/16</p> <p>Head Dia 21/32 Head Ht 5/64 L Overall 1/4</p>	<p>D3161</p> <p>Hole Dia 1/2 Thk of Work 1/32 to 1/16</p> <p>Head Dia 21/32 Head Ht 5/64 L Overall 9/32</p>	<p>D3558</p> <p>Hole Dia 9/16 Thk of Work 3/64 to 3/32</p> <p>Head Dia 23/32 Head Ht 1/16 L Overall 9/32</p>	<p>D2859</p> <p>Hole Dia 5/8 Thk of Work 1/16 to 3/32</p> <p>Head Dia 13/16 Head Ht 5/64 L Overall 19/64</p>
<p>D3560</p> <p>Hole Dia 7/8 Thk of Work 1/16 to 3/32</p> <p>Head Dia 1-1/16 Head Ht 1/16 L Overall 19/64</p>	<p>D3550</p> <p>Hole Dia 1 Thk of Work 1/8 to 5/32</p> <p>Head Dia 1-9/64 Head Ht 3/32 L Overall 21/64</p>	<p>D3561</p> <p>Hole Dia 1-1/8 Thk of Work 1/32 to 1/8</p> <p>Head Dia 1-5/16 Head Ht 3/32 L Overall 11/32</p>	<p>D3463</p> <p>Hole Dia 1-1/4 Thk of Work 1/16 to 3/32</p> <p>Head Dia 1-7/16 Head Ht 3/32 L Overall 11/32</p>	<p>D3868</p> <p>Hole Dia 1-3/8 Thk of Work 3/64 to 1/8</p> <p>Head Dia 1-9/16 Head Ht 5/64 L Overall 13/32</p>
<p>D3632</p> <p>Hole Dia 1-1/2 Thk of Work 1/32 to 1/16</p> <p>Head Dia 1-41/64 Head Ht 3/32 L Overall 13/32</p>		<p>D4212</p> <p>Hole Dia 1-5/8 Thk of Work 1/32 to 1/8</p> <p>Head Dia 1-13/16 Head Ht 7/64 L Overall 23/64</p>		<p>D4197</p> <p>Hole Dia 1-3/4 Thk of Work 1/32 to 3/32</p> <p>Head Dia 1-15/16 Head Ht 3/32 L Overall 11/32</p>
<p>D3103</p> <p>Hole Dia 2 Thk of Work 1/32 to 1/16</p> <p>Head Dia 2-1/4 Head Ht 1/8 L Overall 5/16</p>				

All dimensions are in inches.
All photos approximate actual size.



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



D4167
Tube Ins Dia 1/4 to 9/32 Tube Out Dia 25/64

Head Dia 25/64 Head Ht 3/32 L Overall 9/16

D4149
Tube Ins Dia 3/8 Tube Out Dia 17/32

Head Dia 17/32 Head Ht 1/16 L Overall 25/64

D4410
Tube Ins Dia 29/64 Tube Out Dia 17/32

Head Dia 17/32 Head Ht 5/64 L Overall 25/64

D3031
Tube Ins Dia 7/8 Tube Out Dia 1

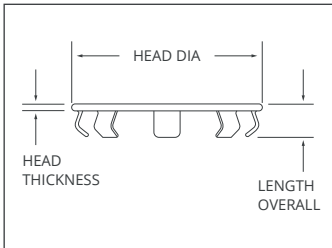
Head Dia 63/64 Head Ht 7/32 L Overall 3/4

D5608
Tube Ins Dia Tube Out Dia 1-13/32 Square

Head Dia 1-9/16 sq Head Ht 9/64 L Overall 9/16

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

Electrical Knockout Plugs



D3683
Elect KO Size 1/2

Head Dia 1-5/64 Head Thk 1/16 L Overall 23/64

D3720
Elect KO Size 3/4

Head Dia 1-1/4 Head Thk 1/16 L Overall 5/16

D3833
Elect KO Size 1

Head Dia 1-1/2 Head Thk 5/64 L Overall 11/32

D3916
Elect KO Size 1-1/4

Head Dia 1-13/16 Head Thk 1/16 L Overall 5/16

D3924
Elect KO Size 1-1/2

Head Dia 2-7/32 Head Thk 5/64 L Overall 23/64

D4455
Elect KO Size 2

Head Dia 2-11/16 Head Thk 5/64 L Overall 3/8

Stimpson Special Hole Plugs

D4110
Special Character Turned in Legs Hole Dia 1/2

Thk of Wk 1/32 to 1/16 Head Dia & Ht 21/32 - 5/64 L Overall 7/32

D4603
Special Character Prong Variation Hole Dia 3/4

Thk of Wk 1/16 to 3/32 Head Dia & Ht 59/64 - 5/64 L Overall 19/64

D4298
Special Character Hole in Head Hole Dia 9/16

Thk of Wk 1/32 to 3/32 Head Dia & Ht 23/32 - 1/16 L Overall 9/32

D5590
Special Character Extruded Head Hole Dia 5/8

Thk of Wk 1/32 Head Dia & Ht 13/16 - 7/64 L Overall 11/32

D5617
Special Character Mesh Top Hole Dia 5/8

Thk of Wk .015 to .020 Head Dia & Ht 13/16 - 3/64 L Overall 15/64

D5655
Special Character Sq/Pointed Prongs Hole Dia 0.92 sq

Thk of Wk 0.093 sq Head Dia & Ht 1-5/64 - 1/16 L Overall 23/64

D5660
Special Character Rect/Reverse Legs Hole Dia 1-5/32-13/32

Thk of Wk Tubing Head Dia & Ht 1-1/4 - 1/2 rect - 3/32 L Overall 11/32

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 lancements 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



Boot Vent & Washer



Hat Vent & Washer



See page 22 for
common Military Specifications
for Grommets & Washers

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

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 (ORRGWSSM)



#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 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
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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	00GWB	0GWB	1GWB	2GWB	3GWB	4GWB	5GWB
	Class 2	00GWBWN	0GWBWN	1GWBWN	2GWBWN	3GWBWN	4GWBWN	5GWBWN
	Class 3	00GWBDBC	0GWBDBC	1GWBDBC	2GWBDBC	3GWBDBC	4GWBDBC	5GWBDBC
Type II	Class 1		0GTWB	1GTWB	2GTWB	3GTWB	4GTWB	5GTWB
	Class 2		0GTWBWN	1GTWBWN	2GTWBWN	3GTWBWN	4GTWBWN	5GTWBWN
	Class 3		0GTWBDBC	1GTWBDBC	2GTWBDBC	3GTWBDBC	4GTWBDBC	5GTWBDBC
Type III	Class 1		0RRGSWB	1RRGSWB	2RRGSWB	3RRGSWB	4RRGSWB	5RRGSWB
	Class 2		0RRGSWBWN	1RRGSWBWN	2RRGSWBWN	3RRGSWBWN	4RRGSWBWN	5RRGSWBWN
	Class 3		0RRGSWBDBC	1RRGSWBDBC	2RRGSWBDBC	3RRGSWBDBC	4RRGSWBDBC	5RRGSWBDBC

Type and Class Definitions for NASM16491:

Type I: Sheet Metal Grommet with Plain Washer

Type II: Sheet Metal Grommet with Teeth Washer

Type III: Rolled Rim Grommet with Spur Washer

Class 1: Plain Brass

Class 2: Brass with Nickel plating

Class 3: Brass with Dull Black Chemical (oxide) finish

**NASM20230 (supersedes MS20230)*

Sheet Metal Grommets & Washers

	Spec	Stimpson Part
Grommet & Washer	NASM20230B20	00GWB
	NASM20230B10	0GWB
	NASM20230B1	1GWB
	NASM20230B2	2GWB
	NASM20230B3	3GWB
	NASM20230B4	4GWB
	NASM20230B5	5GWB
Grommet Only	NASM20230GB20	00GB
	NASM20230GB10	0GB
	NASM20230GB1	1GB
	NASM20230GB2	2GB
	NASM20230GB3	3GB
	NASM20230GB4	4GB
	NASM20230GB5	5GB
Washer Only	NASM20230WB20	00WB
	NASM20230WB10	0WB
	NASM20230WB1	1WB
	NASM20230WB2	2WB
	NASM20230WB3	3WB
	NASM20230WB4	4WB
	NASM20230WB5	5WB

Rolled Rim Grommets & Spur Washers

	Spec	Stimpson Part
Grommet & Washer	NASM20230BS10	0RRGSWB
	NASM20230BS1	1RRGSWB
	NASM20230BS2	2RRGSWB
	NASM20230BS3	3RRGSWB
	NASM20230BS4	4RRGSWB
	NASM20230BS5	5RRGSWB
Grommet Only	NASM20230GBS10	0RRGB
	NASM20230GBS1	1RRGB
	NASM20230GBS2	2RRGB
	NASM20230GBS3	3RRGB
	NASM20230GBS4	4RRGB
	NASM20230GBS5	5RRGB
Washer Only	NASM20230WBS10	0SWB
	NASM20230WBS1	1SWB
	NASM20230WBS2	2SWB
	NASM20230WBS3	3SWB
	NASM20230WBS4	4SWB
	NASM20230WBS5	5SWB

*NASM20230 Specifies Plain Brass Only


[illegible]

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

 www.stimpson.com