



*GESIPA Fasteners-
Innovation
for the customers...*

*Specialized in
Blind Riveting Systems.*

*Operating worldwide
manufacturing and
distribution facilities.*

*Bringing total fastening
solutions to a wide range
of fastening problems.*



Blind Rivets and Riveting Tools

GESIPA®
The Experts
in Blind Riveting

GESIPA Fasteners USA, Inc.
Tel: 609-883-8300 • Fax: 609-883-8301 • Toll free: 1-800-257-9404
E-mail: info@gesipausa.com • www.gesipausa.com 2009

GESIPA®
The Experts
in Blind Riveting

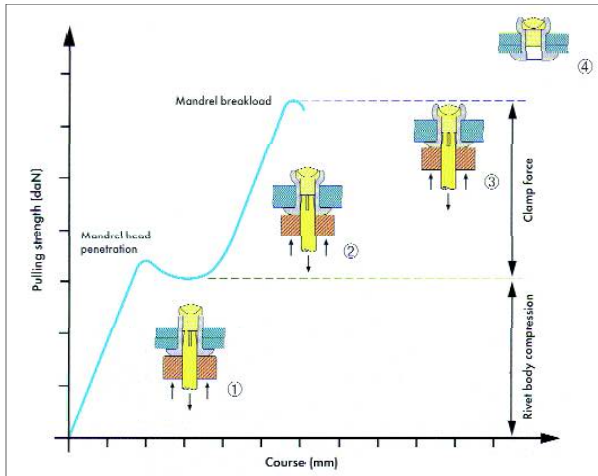
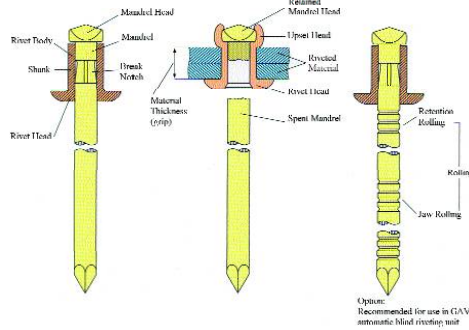
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ABOUT THE COMPANY

GESIPA was established in Walldorf, Germany in 1955, as a company committed to developing better blind riveting technologies. GESIPA manufactures blind rivets at 5 company factories located in the United States, Germany and England. The driving force behind GESIPA's international success has been the ongoing development of innovative products that enhance productivity through superior engineering and quality workmanship. In 1975, GESIPA revolutionized blind riveting with the introduction of the **GAV Automatic-Feed Blind Riveting System**. **GAV** systems have set the standard for blind riveting efficiency. GESIPA installation tools are known for their high quality, durability and functional design. From the **Flipper** low effort manual-riveting tool to the revolutionary **AccuBird, PowerBird & FireBird**, battery powered portable tools, GESIPA's innovation stands clear. In 1990, GESIPA purchased the commercial products division of Olympic Fastening Systems, adding the **Bulb-tite** and **Mega-Grip** structural blind rivets. Through it all, GESIPA is committed to maintaining a leadership role in providing industry with cost-effective fastening solutions.

HOW BLIND RIVETS WORK

The standard blind break-mandrel rivet consists of two components, a rivet body and mandrel. The rivet is first placed into an installation tool and is then inserted into the application. Activating the tool pulls the rivet's mandrel, drawing the mandrel head into the blind-end of the rivet body. This action forms an upset head on the rivet body and securely clamps the application materials together. Finally, the mandrel reaches its predetermined break-load, with the spent portion of the mandrel breaking away and being removed from the set rivet. Fast, easy-to-use blind rivets offer speed of assembly, consistent mechanical performance and excellent installed appearance, making blind riveting a reliable and economical assembly method.

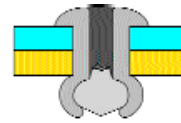


The graph illustrates the mechanical function of a blind break-mandrel rivet during installation.

HEAD STYLES

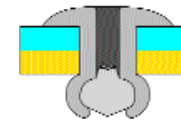
Dome Head

The Dome Head blind rivet is the most widely available and commonly used head style. The dome head flange offers good bearing surface and is suitable for many applications. Dome Head rivets are available in 1/8", 5/32", 3/16" and 1/4" diameters (ø) in all materials.



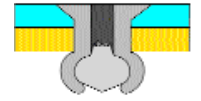
Large Flange

The Large Flange blind rivet offers a larger bearing surface than the Dome Head and is suited for joining thin, compressible or brittle materials to structural members, i.e. wood/steel, plastic/steel. Large Flange rivets are available in 1/8", 5/32" and 3/16" ø; 1/4" ø by special order.



Countersunk Head - 120°

The Countersunk Head blind rivet is used in applications requiring a flush surface. Countersunk rivets are available in 1/8", 5/32" and 3/16" ø; 1/4" ø by special order.



Material Compatibility

The blind rivet selected should be compatible with the materials being joined. Dissimilar materials can cause failure due to galvanic corrosion. GESIPA blind rivets are available in the following material combinations:

- Aluminum Rivet/Aluminum Mandrel
- Aluminum Rivet/Steel Mandrel
- Aluminum Rivet/Stainless Steel Mandrel
- Steel Rivet/Steel Mandrel
- Stainless Steel Rivet/Steel Mandrel
- Stainless Steel Rivet/Stainless Steel Mandrel
- Plastic Rivet/Plastic Mandrel

Strength Requirements

The joint strength required will determine the diameter and spacing of the GESIPA blind rivet.

Material Thickness

Each GESIPA blind rivet is engineered for a specific range of material thickness for which it will be effective. This range of material or work thickness is the blind rivet's "grip range."

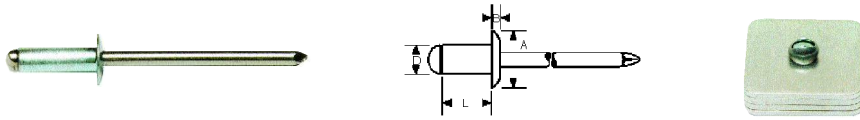
Hole Size

Proper hole size is important to insure the integrity of the fastened joint. The recommended hole size and tolerances are shown in the technical data charts. Oversized holes can cause problems in blind riveted joints. A solution is to select a blind rivet that creates an oversized upset head (see Bulb-tite and Tri-fold rivets).

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AMERICAN STANDARD BLIND RIVET IFI 114



ECONOMICAL: GESIPA American Standard open-end blind rivets are economical to use, providing low costs and higher installation efficiency when compared to other fastening methods.

VERSATILE: American Standard open-end blind rivets are available in three head styles: Dome, Large Flange and Countersunk, to satisfy your application requirements.

SELECTION: Material choices include: Aluminum Rivet/Aluminum Mandrel, Aluminum Rivet/Steel Mandrel, Steel Rivet/Steel Mandrel, Stainless Rivet/Steel Mandrel and Stainless Rivet/Stainless Mandrel. Special finishes such as paint, anodized or non-standard plating are available and quoted upon request.

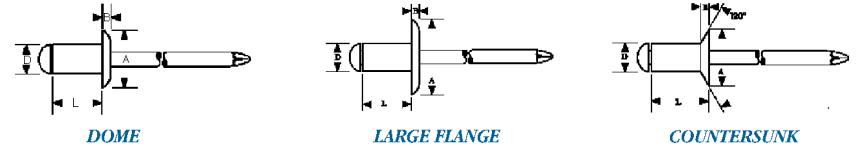
QUALITY: GESIPA American Standard open-end blind rivets are made in accordance with IFI 114 standards for dimensional, material and mechanical performance specifications.

Aluminum Rivet/Aluminum Mandrel - IFI 114 Grade 11

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Min. Strength (lbs.)								
					D	B Max.	A	L Max.	Shear	Tensile							
Dome	1/8"	GAMD41A	.020-.062	.129-.133 #30	.122-.128	.040	.238-.262	.212	120	150							
		GAMD42A	.063-.125								.275						
		GAMD43A	.126-.187								.337						
		GAMD44A	.188-.250								.400						
		GAMD45A	.251-.312								.462						
		GAMD46A	.313-.375								.525						
	GAMD48A	.376-.500		.650													
	5/32"	GAMD52A	.020-.125	.160-.164 #20	.153-.159	.050	.296-.328	.300	190	230							
		GAMD53A	.126-.187								.362						
		GAMD54A	.188-.250								.425						
		GAMD56A	.251-.375								.550						
		GAMD58A	.376-.500								.675						
3/16"		GAMD62A	.020-.125	.192-.196 #11							.183-.191	.060	.356-.394	.325	260	320	
	GAMD64A	.126-.250		.450													
	GAMD66A	.251-.375		.575													
	GAMD68A	.376-.500		.700													
	GAMD610A	.501-.625		.825													
	GAMD612A	.626-.750		.950													
	GAMD614A	.751-.875		1.075													
	GAMD616A	.876-1.00		1.200													
	1/4"	GAMD84A	.126-.250	.257-.261 "F"	.246-.255	.080	.475-.525	.500	460	560							
		GAMD86A	.251-.375														.625
		GAMD88A	.376-.500														.750
		GAMD810A	.501-.625														.875
GAMD812A		.626-.750		1.000													
GAMD816A		.751-1.00		1.250													

Product information contained in this catalog is based on the latest information available at time of printing. Specifications are to serve for general guidance purposes only and are not intended to create any warranty, express or implied. It is the responsibility of the user to conduct prior testing to insure fitness for a particular application. GESIPA will provide samples for such tests. GESIPA retains the right to make changes to specifications with regards to dimensions, materials and mechanical strengths at any time without notice. It is recommended that customers contact GESIPA for up-to-date specifications should specific concern exist.

AMERICAN STANDARD BLIND RIVET IFI 114

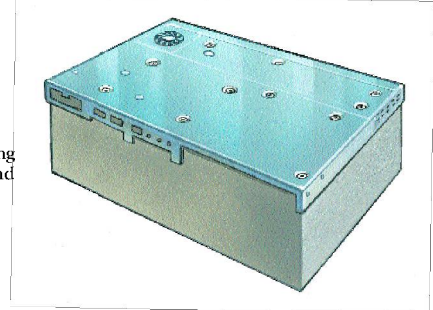


Aluminum Rivet/Aluminum Mandrel - IFI 114 Grade 11

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Min. Strength (lbs.)	
					D	B Max.	A	L Max.	Shear	Tensile
Large Flange	1/8"	GAML42A GAML44A GAML46A	.063-.125 .126-.250 .251-.375	.129-.133 #30	.122-.128	.065	.360-.390	.275 .400 .525	120	150
		GAML64A GAML66A GAML68A GAML610A GAML612A	.126-.250 .251-.375 .376-.500 .501-.625 .626-.750	.192-.196 #11						
Countersunk	1/8"	GAMC42A GAMC43A GAMC44A GAMC45A	.092-.125 .126-.187 .188-.250 .251-.312	.129-.133 #30	.122-.128	.031	.207-.233	.275 .337 .400 .462	120	150
		GAMC54A GAMC56A	.188-.250 .251-.375	.160-.164 #20						
	3/16"	GAMC64A	.188-.250	.192-.196 #11	.183-.191	.050	.355-.361	.450	260	320

Part Number Identification

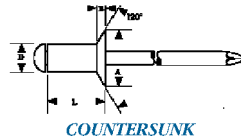
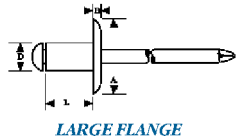
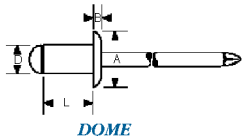
GESIPA **G** AM **D** 4 2 **A**
 Mandrel Material: **A** - Aluminum, **S** - Steel, **SS** - Stainless Steel
 Head Style: **D** - Dome, **L** - Large Flange, **C** - Countersunk
 Rivet Material: **A** - Aluminum, **S** - Steel, **SS** - Stainless Steel
 Grip Range (in 1/16")
 Rivet Diameter (in 1/32")



Standard blind rivets are a cost-effective method for assembling metal chassis applications — offering speed, consistency and reliability.

Strength values listed for GESIPA rivets made in accordance to IFI 114 standards list the Minimum Strength requirements governed by this standard. Typical strengths will be higher in most applications.

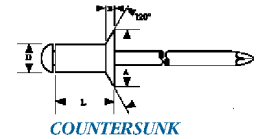
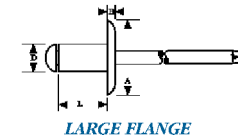
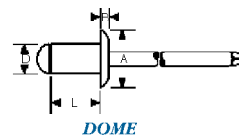
AMERICAN STANDARD BLIND RIVET IFI 114



Aluminum Rivet/Steel Mandrel - IFI 114 Grade 19

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Min. Strength (lbs.)	
					D	B Max.	A	L Max.	Shear	Tensile
Dome	1/8"	GSMD41A	.020-.062	.129-.133 #30	.122-.128	.040	.238-.262	.212-.275	170	220
		GSMD42A	.063-.125			.275				
		GSMD43A	.126-.187			.337				
		GSMD44A	.188-.250			.400				
		GSMD45A	.251-.312			.462				
		GSMD46A	.313-.375			.525				
	GSMD48A	.376-.500			.650					
	5/32"	GSMD52A	.020-.125	.160-.164 #20	.153-.159	.050	.296-.328	.300-.362	260	350
		GSMD53A	.126-.187			.362				
		GSMD54A	.188-.250			.425				
		GSMD56A	.251-.375			.550				
		GSMD58A	.376-.500			.675				
3/16"		GSMD62A	.020-.125	.192-.196 #11	.183-.191	.060	.356-.394	.325-.450		
	GSMD64A	.126-.250			.450					
	GSMD66A	.251-.375			.575					
	GSMD68A	.376-.500			.700					
	GSMD610A	.501-.625			.825					
	GSMD612A	.626-.750			.950					
1/4"	GSMD84A	.126-.250	.257-.261 "F"	.246-.255	.080	.475-.525	.500-.625	700	920	
	GSMD86A	.251-.375			.625					
	GSMD88A	.376-.500			.750					
	GSMD810A	.501-.625			.875					
	GSMD812A	.626-.750			1.000					
	GSMD816A	.751-1.00			1.250					
Large Flange	1/8"	GSML42A	.063-.125	.129-.133 #30	.122-.128	.065	.360-.390	.275-.400	170	220
		GSML44A	.126-.250			.400				
		GSML46A	.251-.375			.525				
	3/16"	GSML64A	.126-.250	.192-.196 #11	.183-.191	.092	.600-.650	.450-.575	380	500
		GSML66A	.251-.375			.575				
		GSML68A	.376-.500			.700				
Countersunk	1/8"	GSML610A	.501-.625			.825		380	500	
		GSML612A	.626-.750			.950				
		GSML612A	.626-.750			.950				

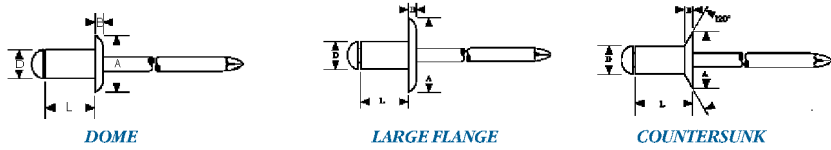
AMERICAN STANDARD BLIND RIVET IFI 114



Steel Rivet/Steel Mandrel - IFI 114 Grade 30

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Min. Strength (lbs.)				
					D	B Max.	A	L Max.	Shear	Tensile			
Dome	1/8"	GSMD41S	.020-.062	.129-.133 #30	.122-.128	.040	.238-.262	.212-.275	260	310			
		GSMD42S	.063-.125			.275							
		GSMD43S	.126-.187			.337							
		GSMD44S	.188-.250			.400							
		GSMD45S	.251-.312			.462							
		GSMD46S	.313-.375			.525							
	GSMD48S	.376-.500			.650								
	5/32"	GSMD52S	.020-.125	.160-.164 #20	.153-.159	.050	.296-.328	.300-.362	370	470			
		GSMD53S	.126-.187			.362							
		GSMD54S	.188-.250			.425							
		GSMD56S	.251-.375			.550							
		GSMD58S	.376-.500			.675							
3/16"		GSMD62S	.020-.125	.192-.196 #11	.183-.191	.060	.356-.394	.325-.450			540	680	
	GSMD64S	.126-.250			.450								
	GSMD66S	.251-.375			.575								
	GSMD68S	.376-.500			.700								
	GSMD610S	.501-.625			.825								
	GSMD612S	.626-.750			.950								
1/4"	GSMD84S	.126-.250	.257-.261 "F"	.246-.255	.080	.475-.525	.500-.625	1000	1240				
	GSMD86S	.251-.375			.625								
	GSMD88S	.376-.500			.750								
	GSMD810S	.501-.625			.875								
	GSMD812S	.626-.750			1.000								
	Large Flange	1/8"	GSML42S	.063-.125	.129-.133 #30	.122-.128	.065			.360-.390	.275-.400	260	310
GSML44S			.126-.250			.400							
GSML46S			.251-.375			.525							
5/32"		GSML54S	.020-.250	.160-.164 #20	.153-.159	.075	.448-.488	.425-.525	370	470			
		3/16"	GSML64S	.126-.250	.192-.196 #11	.183-.191	.092	.600-.650			.450-.575	540	680
			GSML66S	.251-.375			.575						
GSML68S	.376-.500				.700								
Countersunk	1/8"	GSML610S	.501-.625			.825		540	680				
		GSML612S	.626-.750			.950							
		GSML612S	.626-.750			.950							

AMERICAN STANDARD BLIND RIVET IFI 114



Stainless Rivet/Steel Mandrel - IFI 114 Grade 50

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Min. Strength (lbs.)	
					D	B Max.	A	L Max.	Shear	Tensile
Dome	1/8"	GSM D42SS	.020-.125	.129-.133 #30	.122-.128	.040	.238-.262	.275	420	530
		GSM D43SS	.126-.187			.337				
		GSM D44SS	.188-.250			.400				
		GSM D46SS	.251-.375			.525				
		GSM D48SS	.376-.500			.650				
5/32"	5/32"	GSM D52SS	.020-.125	.160-.164 #20	.153-.159	.050	.296-.328	.300	650	820
		GSM D54SS	.126-.250			.425				
		GSM D56SS	.251-.375			.550				
3/16"	3/16"	GSM D62SS	.020-.125	.192-.196 #11	.183-.191	.060	.356-.394	.325	950	1200
		GSM D64SS	.126-.250			.450				
		GSM D66SS	.251-.375			.575				
		GSM D68SS	.376-.500			.700				

Stainless Rivet/Stainless Mandrel - IFI 114 Grade 51

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Min. Strength (lbs.)	
					D	B Max.	A	L Max.	Shear	Tensile
Dome	1/8"	GSSMD42SS	.020-.125	.129-.133 #30	.122-.128	.040	.238-.262	.275	420	530
		GSSMD43SS	.126-.187			.337				
		GSSMD44SS	.188-.250			.400				
		GSSMD46SS	.251-.375			.525				
		GSSMD48SS	.376-.500			.650				
5/32"	5/32"	GSSMD52SS	.020-.125	.160-.164 #20	.153-.159	.050	.296-.328	.300	650	820
		GSSMD54SS	.126-.250			.425				
		GSSMD56SS	.251-.375			.550				
3/16"	3/16"	GSSMD62SS	.020-.125	.192-.196 #11	.183-.191	.060	.356-.394	.325	950	1200
		GSSMD64SS	.126-.250			.450				
		GSSMD66SS	.251-.375			.575				
		GSSMD68SS	.376-.500			.700				

G S M D 3 2 S
 GESIPA _____ Rivet Material
 Mandrel Material _____ Grip Range (in 1/16")
 Head Style _____ Rivet Diameter (in 1/32")
Mandrel Material:
 A - Aluminum
 S - Steel
 SS - Stainless Steel
Head Styles:
 D - Dome
 L - Large Flange
 C - Countersunk

BACK-UP WASHERS

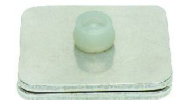
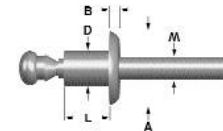


Back-Up Washers are available for use with GESIPA's 1/8", 5/32" and 3/16" diameter rivets, for applications requiring a larger bearing surface on the blindside.

	Part Number	Shape	Inside Diameter	Outside Diameter
Aluminum	GARW-4	Round	1/8"	3/8"
	GARW-5	Round	5/32"	7/16"
	GARW-6	Round	3/16"	1/2"
Steel	GSRW-4	Round	1/8"	3/8"
	GSRW-6	Round	3/16"	1/2"

G A R W - 4
 GESIPA _____
 Type Material (A-Aluminum) _____
 (S-Steel) _____
 Style (R-Round) _____
 _____ Inside Diameter (in 1/32")
 _____ Washer

PLASTIC BLIND RIVETS

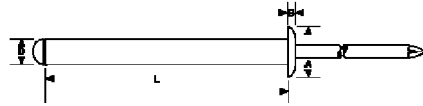


GESIPA Plastic blind rivets join many types of plastics and other materials such as wood, metal, fiberglass, plexiglass, synthetic insulating materials, etc.

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range mm (Inches)	Hole Size mm (Inches)	Dimensions (Millimeters)					Ult. Shear Newtons (lbs.)
					D	B Max.	A	L Max.	M	
Dome	4.0	4 x 8F Plastic	0.5-5.0 (.020-.197)	4.1 (.160-.164) Drill #20	3.9-4.08	1.4	8.8-9.2	9.0	2.5	180N (40 lbs.)
		4 x 12F Plastic	5.0-9.0 (.197-.354)							
	5.0	5 x 8F Plastic	0.5-5.0 (.020-.197)	5.1 (.200-.204) Drill #7	4.9-5.08	1.8	10.7-11.3	9.0	3.0	290N (65 lbs.)
		5 x 12F Plastic	5.0-9.0 (.197-.354)							
	6.0	6 x 8F Plastic	0.5-5.0 (.020-.197)	6.1 (.241-.245) Drill "C"	5.9-6.08	1.8	12.7-13.3	9.0	3.5	440N (100 lbs.)
		6 x 12F Plastic	5.0-9.0 (.197-.354)							

Material: Polyamid PA6.6. Effective temperature range: -22°F to +176°F

EXTRA LENGTH METRIC RIVETS



All Dimensions for Metric Series are given in millimeters.

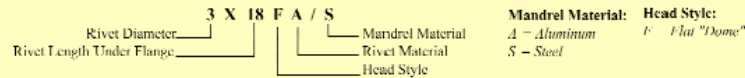
GESIPA manufactures a complete line of metric blind rivets according to DIN7337 standards in 3mm, 4mm, 4.8mm, 5mm, 6mm and 6.4mm diameters. Material choices include Aluminum/Steel, Steel/Steel, as well as 304 and 316 Alloy Stainless Steel. Listed below are GESIPA's Extra Length Metric Rivets. To see specifications for GESIPA's complete offerings in Metric (DIN7337) standard rivets, go to www.gesipa.com. Enter the site through the British flag for English language version.

Aluminum Rivet/Steel Mandrel

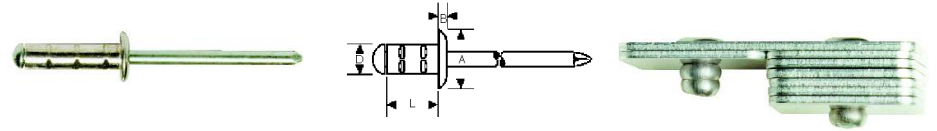
Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (mm)	Hole Size (mm) Drill No.	Dimensions (Millimeters)				Min. Strength (lbs.)								
					D	B Max.	A	L Max.	Shear	Tensile							
Dome	3mm	3 X 18F A/S	13-15	3.1	2.9-3.08	1.2	5.8-6.5	18.8	160	200							
		3 X 20F A/S	15-17								20.8						
		3 X 25F A/S	17-22									25.8					
		3 X 30F A/S	22-26										30.8				
4mm	4 X 18F A/S	12.5-14.5	4.1	3.85-4.08	1.5	7.0-8.0	19.0	190	225								
	4 X 20F A/S	14.5-16.5								21.0							
	4 X 25F A/S	16.5-21.5									26.0						
	4 X 30F A/S	21.5-26										31.0					
	4 X 35F A/S	26-30											36.0				
	4 X 40F A/S	30-35												41.0			
5mm	5 X 35F A/S	25-30	5.1	4.85-5.08	1.6	8.5-9.5	36.0	450	630								
	5 X 40F A/S	30-35								41.0							
	5 X 45F A/S	35-40									46.0						
	5 X 50F A/S	40-45										51.0					
	5 X 55F A/S	45-48											56.0				
	5 X 60F A/S	48-52												61.0			
	5 X 65F A/S	52-57													66.0		
	5 X 70F A/S	57-62														71.0	
	5 X 80F A/S	62-72															81.0

Steel Rivet/Steel Mandrel

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (mm)	Hole Size (mm) Drill No.	Dimensions (Millimeters)				Min. Strength (lbs.)	
					D	B Max.	A	L Max.	Shear	Tensile
Dome	5mm	5 X 35F S/S 5 X 40F S/S 5 X 45F S/S 5 X 50F S/S	25-30 30-34 34-39 39-44	5.1	4.85-5.08	1.4	8.5-9.5	36 41 46 51	765	990



POLYGRIP® MULTIGRIP BLIND RIVETS



GESIPA PolyGrip rivets feature a wide grip range, enabling a single PolyGrip to replace up to three different lengths of standard blind rivets. PolyGrip rivets expand radially, filling the application hole, resulting in tighter joints and improved sealing. Add to this PolyGrip's locked mandrel core and you have a weather tight, rattle resistant fastener. Improved material support is provided by the PolyGrip's larger blindside head formation.

Steel Rivet/Steel Mandrel

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Min. Strength (lbs.)						
					D	B Max.	A	L Max.	Shear	Tensile					
Dome	1/8"	GSM D41-43SPG	.039-.197	.130-.136 #30	.122-.129	.043	.228-.256	.354	270	382					
		GSM D42-44SPG	.059-.256								.406				
		GSM D43-45SPG	.118-.315									.465			
		GSM D51-54SPG	.039-.256										.161-.166 #20		
	GSM D53-56SPG	.177-.354	.151-.160												
	GSM D55-58SPG	.355-.512		.051											
	3/16"	GSM D62-64SPG			.039-.256	.193-.199 #10	.183-.192	.063	.335-.374	.433	584	719			
		GSM D63-67SPG			.177-.433								.630		
		GSM D66-68SPG	.256-.512		.709										
		GSM D82-85SPG	.079-.315	.256-.275 "F"											
	GSM D84-88SPG	.197-.512	.246-.255												
	1/4"	GSM L41-43SPG				.039-.197	.130-.136 #30	.122-.129	.063	.355-.374	.354	270	382		
GSM L42-44SPG					.059-.256									.406	
				GSM L43-45SPG											.118-.315
			GSM L62-64SPG												
	GSM L63-67SPG	.177-.433				.630									
GSM L66-68SPG					.256-.512		.709								

Note: Additional sizes of Steel Polygrip are available. Inquire for Countersunk head Steel Polygrips by special order.

Stainless Rivet/Stainless Mandrel

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Min. Strength (lbs.)			
					D	B Max.	A	L Max.	Shear	Tensile		
Dome	1/8"	GSSMD41-43SSPG	.020-.192	.128-.133 #30	.122-.129	.051	.228-.256	.346	326	517		
		GSSMD42-44SSPG	.059-.256								.406	
		GSSMD43-45SSPG	.118-.315									.465
		GSSMD51-54SSPG	.020-.256									
	GSSMD53-55SSPG	.139-.354	.151-.160									
	GSSMD55-57SSPG	.276-.472		.052								
	3/16"	GSSMD61-64SSPG			.039-.236	.193-.199 #10	.183-.192	.052	.370-.374	.433	899	1124
		GSSMD63-66SSPG			.197-.394							
		GSSMD65-68SSPG	.315-.472		.709							
		GSSMD82-84SSPG	.079-.256	.257-.275 "F"								
	GSSMD83-85SSPG	.138-.335	.246-.255									



* Countersunk Head Style Polygrips available by special order.

POLYGRIP® MULTIGRIP BLIND RIVETS

Aluminum Rivet/Steel Mandrel

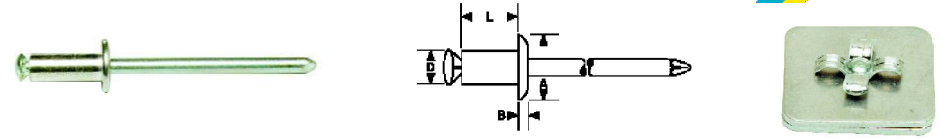
Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Min. Strength (lbs.)	
					D	B Max.	A	L Max.	Shear	Tensile
Dome	1/8"	GSMD41-43APG	.039-.197	.130-.136 #30	.122-.129	.043	.228-.256	.346 .406 .465	162	236
		GSMD42-44APG	.059-.256							
		GSMD43-45APG	.118-.315							
	5/32"	GSMD51-54APG	.039-.256	.161-.166 #20	.151-.160	.051	.276-.315	.433 .551 .709	238	377
		GSMD53-56APG	.138-.375							
		GSMD55-58APG	.276-.512							
	3/16"	GSMD62-64APG	.039-.256	.193-.199 #10	.183-.192	.063	.335-.374	.433 .630 .709	359	510
		GSMD63-67APG	.177-.433					.630 .709		
		GSMD66-68APG	.256-.512					1.024 1.220		
	1/4"	GSMD82-86APG	.059-.354	.256-.275 "F"	.246-.255	.087	.453-.512	.630 .827 1.024	629	899
		GSMD84-89APG	.236-.551							
		GSMD86-811APG	.394-.709							
Large Flange	1/8"	GSMML41-43APG	.039-.197	.130-.136 #30	.122-.129	.063	.335-.374	.346 .406 .465	162	236
		GSMML42-44APG	.059-.256							
		GSMML43-45APG	.118-.315							
	5/32"	GSMML51-54APG	.039-.256	.161-.166 #20	.151-.160	.075	.413-.472	.433 .551 .709	238	377
		GSMML53-56APG	.138-.375							
		GSMML55-58APG	.276-.512							
	3/16"	GSMML62-64APG	.039-.256	.193-.199 #10	.183-.192	.087	.571-.630	.433 .630 .709	359	510
		GSMML63-67APG	.177-.433					.630 .709		
		GSMML66-68APG	.256-.512					1.024 1.220		
	1/4"	GSMML82-86APG	.059-.354	.256-.275 "F"	.246-.255	.087	.453-.512	.630 .827 1.024	629	899
		GSMML84-89APG	.236-.551							
		GSMML86-811APG	.394-.709							

Aluminum Rivet/Stainless Mandrel

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Min. Strength (lbs.)	
					D	B Max.	A	L Max.	Shear	Tensile
Dome	1/8"	GSSMD41-43APG	.039-.197	.130-.136 #30	.122-.129	.043	.228-.256	.346 .406 .465	162	236
		GSSMD42-44APG	.059-.256							
		GSSMD43-45APG	.118-.315							
	5/32"	GSSMD51-54APG	.039-.256	.161-.166 #20	.151-.160	.051	.276-.315	.433 .551 .709	238	377
		GSSMD53-56APG	.138-.375							
		GSSMD55-58APG	.276-.512							
	3/16"	GSSMD62-64APG	.039-.256	.193-.199 #10	.183-.192	.063	.335-.374	.433 .630 .709	359	510
		GSSMD63-67APG	.177-.433					.630 .709		
		GSSMD66-68APG	.256-.512					1.024 1.220		
	1/4"	GSSMD82-86APG	.059-.354	.256-.275 "F"	.246-.255	.087	.453-.512	.630 .827 1.024	629	899
		GSSMD84-89APG	.236-.551							
		GSSMD86-811APG	.394-.709							
Large Flange	1/8"	GSSMML41-43APG	.039-.197	.130-.136 #30	.122-.129	.063	.335-.374	.346 .406 .465	162	236
		GSSMML42-44APG	.059-.256							
		GSSMML43-45APG	.118-.315							
	5/32"	GSSMML51-54APG	.039-.256	.161-.166 #20	.151-.160	.075	.413-.472	.433 .551 .709	238	377
		GSSMML53-56APG	.138-.375							
		GSSMML55-58APG	.276-.512							
	3/16"	GSSMML62-64APG	.039-.256	.193-.199 #10	.183-.192	.087	.571-.630	.433 .630 .709	359	510
		GSSMML63-67APG	.177-.433					.630 .709		
		GSSMML66-68APG	.256-.512					1.024 1.220		
	1/4"	GSSMML82-86APG	.059-.354	.256-.275 "F"	.246-.255	.087	.453-.512	.630 .827 1.024	629	899
		GSSMML84-89APG	.236-.551							
		GSSMML86-811APG	.394-.709							



DOME PEEL RIVETS



GESIPA Dome Peel rivets split into four legs providing a large blind side bearing head for improved support in brittle, soft or ductile materials.

Aluminum Rivet/Steel Mandrel

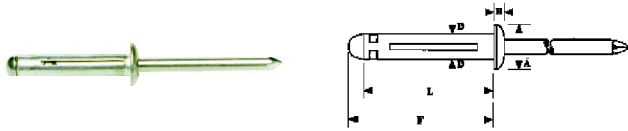
Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Min. Strength (lbs.)	
					D	B Max.	A	L Max.	Shear	Tensile
Dome	1/8"	GSM D42ADP	.039-.138	.142 #27	.122-.138	.048	.228-.256	.354 .433 .512 .590 .669	180	213
		GSM D43ADP	.098-.197							
		GSM D44ADP	.177-.276							
	5/32"	GSM D52ADP	.039-.118	.173 #17	.151-.169	.059	.275-.315	.354 .433 .512 .590 .669	315	450
		GSM D53ADP	.098-.197							
		GSM D54ADP	.177-.256							
	3/16"	GSM D62ADP	.039-.118	.204 #6	.183-.201	.063	.335-.374	.354 .433 .512 .590 .669 .748 .827	450	607
		GSM D63ADP	.098-.197							
		GSM D64ADP	.177-.276							
	1/4"	GSM D82ADP	.059-.354	.256-.275 "F"	.246-.255	.087	.453-.512	.630 .827 1.024	629	899
		GSM D84ADP	.236-.551							
		GSM D86ADP	.394-.709							

G S M D 4 2 A D P

GESIPA Mandrel Material Head Style

Rivet Material: A=Aluminum
Mandrel Material: S=Steel
Head Style: D=Dome
Rivet Diameter (in 1/32")

TRI-FOLD RIVETS



GESIPA Tri-fold rivets form three folded legs that distribute the fastener's clamp-load over a larger blind side head formation. The larger blind side head prevents cracking of brittle materials and greater pull-through resistance in soft and ductile material applications.

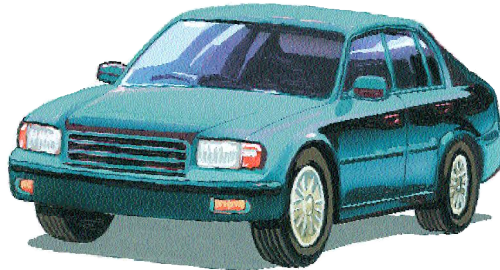
Aluminum Rivet/Aluminum Mandrel

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)					Typ. Strength (lbs.)	
					D Max.	B Max.	A	L Max.	F Max.	Shear	Tensile
Dome	5/32"	GAMD52ATF	.040-.118	.162-.167 #20	.161	.060	.302-.322	.590	.710	150	200
		GAMD54ATF	.040-.250			.790	.910				
		GAMD56ATF	.040-.375			.852	.970				
		GAMD58ATF	.040-.500			.977	1.095				
3/16"	3/16"	GAMD64ATF	.040-.250	.201-.213 #7	.188	.080	.375-.395	.775	.905	250	325
		GAMD65ATF	.040-.312			.837	.967				
		GAMD66ATF	.040-.375			.900	1.030				
		GAMD68ATF	.040-.500			1.020	1.138				
		GAMD610ATF	.040-.625			1.145	1.263				
		GAMD612ATF	.040-.750			1.270	1.388				
Large Flange	3/16"	GAML64ATF	.040-.250	.201-.213 #7	.188	.074	.610-.625	.775	.905	250	325
		GAML65ATF	.040-.312			.837	.967				
		GAML66ATF	.040-.375			.900	1.030				
		GAML68ATF	.040-.500			1.020	1.138				
		GAML610ATF	.040-.625			1.145	1.263				
		GAML612ATF	.040-.750			1.270	1.388				



Note: Above values are to be used as a guide and may vary depending upon the application. Shear and tensile strength tests were conducted in hardened alloy steel sheets at nominal grip.

Tri-fold rivets are used in automotive applications such as plastic body panels, trim, and interior components.



MEGA-GRIP RIVETS



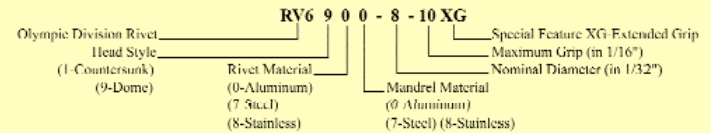
The GESIPA Mega-Grip is a high strength structural blind rivet offering several advantages over conventional blind rivets. Mega-Grip's wide grip range enables a single Mega-Grip to replace up to five different lengths of standard rivets. High shear strength is achieved by Mega-Grip's flush break self plugging mandrel. Mega-Grip rivets are hole-filling, resulting in tighter joints and improved sealing for weather tightness. Mega-Grip rivets are installed via standard rivet tools and do not require special nose tips.

Aluminum Rivet/Aluminum Mandrel

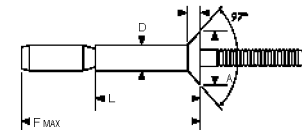
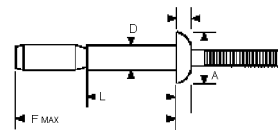
Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)					Typ. Strength (lbs.)		
					D	B Max.	A	L Max.	F Max.	Shear Pushout	Tensile	Mandrel
Dome	3/16"	RV6900-6-4	.062-.250	.194-.204 #8	.185-.188	.088	.353-.373	.405	.755	750	540	75
		RV6900-6-7XG	.062-.437			.562	1.035					
1/4"	3/16"	RV6900-8-6	.080-.375	.259-.272 G	.253-.257	.108	.480-.500	.560	1.025	1300	875	150
		RV6900-8-10XG	.080-.625			.775	1.355					
Counter-sunk	3/16"	RV6100-6-5	.125-.312	.194-.204 #8	.185-.188	.075 Ref	.321-.338	.477	.922	750	540	75
		RV6100-6-8	.275-.500			.597	1.042					
1/4"	3/16"	RV6100-8-7	.125-.437	.259-.272 G	.253-.257	.095 Ref	.424-.441	.633	1.078	1300	875	150
		RV6100-8-10	.125-.625			.790	1.380					
Large Flange	1/4"	RV6500-8-6	.080-.375	.259-.272 G	.253-.257	.112	.749-.761	.564	.953	1300	875	150
		RV6500-8-10XG	.080-.625			.765	1.145					

Steel Rivet/Steel Mandrel

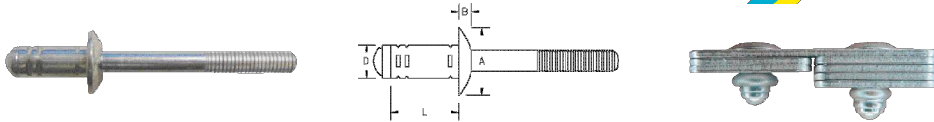
Dome	3/16"	RV6977-6-4	.062-.250	.194-.204 #8	.185-.188	.088	.353-.373	.405	.755	1350	1125	250
		RV6977-6-7XG	.062-.437			.562	1.035					
1/4"	3/16"	RV6977-8-6	.080-.375	.259-.272 G	.253-.257	.108	.480-.500	.560	1.025	2800	2000	500
		RV6977-8-10XG	.080-.625			.775	1.355					
Counter-sunk	3/16"	RV6177-6-5	.125-.312	.194-.204 #8	.185-.188	.075 Ref	.321-.338	.477	.922	1350	1125	250
		RV6177-6-8	.275-.500			.597	1.042					
1/4"	3/16"	RV6177-8-7	.125-.437	.259-.272 G	.252-.255	.095 Ref	.424-.441	.633	1.078	2800	2000	500
		RV6177-8-10	.125-.625			.790	1.380					
Large Flange	1/4"	RV6577-8-6	.080-.375	.259-.272 G	.253-.257	.112	.749-.761	.564	.953	2800	2000	500
		RV6577-8-10XG	.080-.625			.765	1.145					



Note: Above values are shown as a guide only and may vary depending upon applications. Shear and tensile strength tests were conducted in hardened alloy steel with a thickness equal to the fastener diameter. Strength values measured in nominal grip.



G-BULB



GESIPA's new G-Bulb structural blind rivet features a large blind side closing head for better support in thinner application materials. A locked mandrel core provides high shear strength.

Steel Rivet/Steel Mandrel

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Typ. Strength (lbs.)	
					D Max.	B Max.	A	L Max.	Shear	Tensile
Dome	3/16"	GSMD62SGB	.059-.138	.197-.205	.195	.052	.342-.374	.413	809	786
		GSMD64SGB	.138-.236			.532		.899		
		GSMD65SGB	.236-.315			.610		1,259		
Dome	1/4"	GSMD83SGB	.079-.177	.260-.276	.252	.118	.453-.512	.532	1,910	1,798
		GSMD85SGB	.177-.276			.689		2,472		
		GSMD87SGB	.276-.413			.807		2,585		

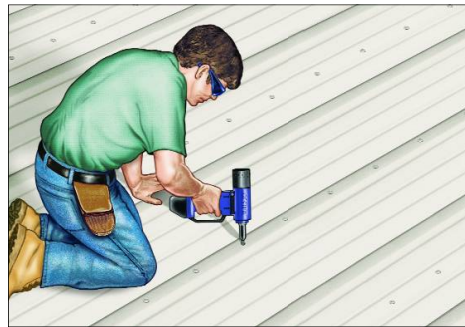
Stainless Rivet/Stainless Mandrel

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)				Typ. Strength (lbs.)	
					D Max.	B Max.	A	L Max.	Shear	Tensile
Dome	3/16"	GSSMD62SSGB	.059-.138	.197-.205	.195	.052	.342-.374	.413	980	1,210
		GSSMD64SSGB	.138-.236			.532		1,120		
		GSSMD65SSGB	.236-.315			.610		1,160		

BULB-TITE RIVETS



Bulb-tite rivets were first developed to solve application requirements in the Pre-Engineered Metal Building industry. Since that time the Bulb-tite product line has been expanded to meet application requirements in a wide range of industries. The Bulb-tite rivet body folds into three separate legs forming a large blind-side head. This large bearing head evenly distributes the Bulb-tite's clamp force in soft, thin or brittle materials while providing high pull-through resistance. The Bulb-tite's wide grip range enables a single Bulb-tite to work in a greater variation of thickness. Some versions of the Bulb-tite feature a special flush break mandrel that effectively seals the rivet bore and adds greater shear strength. See note for special installation tool nose tip requirements.*



*Note – Special Bulb-tite installation tool nosepiece is required for use with Bulb-tite rivets: RV6601, RV6603, RV6604, RV6605, RV6606, RV6671, RV6676 and RV6696 series. RV6602 and RV6607 series Bulb-tites do not require the special nose tip. The mandrel on RV6602 series rivets only breaks flush with the rivet head when installed in minimum grip.

BULB-TITE RIVETS



<p>RV6601 & RV6671 – Countersunk Head (82°)</p>	<p>RV6602 – Low Profile Flat Head</p>
<p>RV6603 & RV6604 – Dome Head (Protruding Crown)</p>	<p>RV6605 – Large Flange Head (Protruding Crown)</p>
<p>RV6606, RV6676 & RV6696 – Dome Head (Recessed Crown)</p>	<p>RV6607 – Shaveable Brazier Head</p>

A - Body Diameter • B - Head Height • D - Head Diameter • L - Rivet Body Length • F - Blind Side Protrusion

Aluminum Rivet/Aluminum Mandrel

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)					Typ. Strengths (lbs.)		
					D Max.	B Max.	A	L Max.	F Ref.	Shear	Tensile	
Countersunk Head Recessed Crown	3/16"	RV6601-6-4	.106-.250	.209-.221 #4	.205	.108 w/ crown	.340 Min.	.770	.935	675	450	
		RV6601-6-6	.187-.375			.895	1.060					
		RV6601-6-8	.312-.500			1.020	1.185					
		RV6601-6-10	.437-.625			1.145	1.310					
		RV6601-6-12	.563-.750			1.270	1.435					
Countersunk Head Recessed Crown	1/4"	RV6601-8-4	.150-.250	.250-.263 1/4"	.246	.164	.452 Min.	.815	1.005	900	550	
		RV6601-8-6	.187-.375			.940	1.130					
		RV6601-8-8	.250-.500			1.065	1.255					
Low Profile Flat Head	5/32"	RV6602-5-4	.125-.250	.162-.167 #20	.161	.057	.355-.375	.790	.862	160	225	
		RV6602-5-6	.187-.375			.852	.987					
		RV6602-5-8	.250-.500			.977	1.112					
	Low Profile Flat Head	3/16"	RV6602-6-4	.125-.250	.209-.221 #4	.205	.062	.430-.455	.770	.935	400	450
			RV6602-6-6	.187-.375			.895	1.060				
Low Profile Flat Head	1/4"	RV6602-6-8	.250-.500					1.020	1.185	950	575	
		RV6602-6-10	.375-.625			1.145	1.310					
		RV6602-6-12	.500-.750			1.270	1.435					
		RV6602-8-4	.125-.250	.250-.263 1/4"	.246	.070	.532-.542	.815	1.005			
		RV6602-8-6	.187-.375			.940	1.130					
RV6602-8-8	.250-.500			1.065	1.255							
RV6602-8-10	.375-.625			1.190	1.360							

BULB-TITE RIVETS



Aluminum Rivet/Aluminum Mandrel

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)					Typ. Strengths (lbs.)	
					D Max.	B Max.	A	L Max.	F Ref.	Shear	Tensile
Dome Head Protruding Crown	5/32"	RV6604-5-4	.067-.250	.162-.167	.161	.100	.335-.350	.805	.925	350	225
		RV6604-5-8	.250-.500	#20		.992	1.112				
	3/16"	RV6604-6-3	.050-.187	.209-.221	.205	.125	.430-.455	.707	.844	675	450
		RV6604-6-4	.062-.250	#4				.770	.907		
		RV6604-6-6	.187-.375	.895				1.032			
		RV6604-6-8	.312-.500	1.020				1.157			
		RV6604-6-10	.437-.625	1.145				1.282			
		RV6604-6-12	.563-.750	1.270				1.407			
	1/4"	RV6604-8-4	.062-.250	.250-.263	.246	.150	.555-.565	.815	1.005	950	575
		RV6604-8-6	.125-.375	1/4				.940	1.130		
		RV6604-8-8	.250-.500	1.065				1.255			
		RV6604-8-10	.375-.625	1.190				1.360			
9/32"	RV6603-9-3	.032-.187	.304-.3125	.304	.190	.610-.620	.863	1.000	1500	1100	
	RV6603-9-6	.032-.375	5/16				1.110	1.325			
	RV6603-9-10	.250-.625	1.360				1.575				
	RV6603-9-12	.375-.750	1.485				1.700				
Large Flange Prot. Crown	9/32"	RV6605-9-6	.042-.375	.308-.327	.304	.210	.720-.765	1.110	1.325	1500	1100
		RV6605-9-10	.250-.625	5/16				1.360	1.575		
		RV6605-9-12	.375-.750	1.485				1.700			
Low Profile Head Recessed Crown	3/16"	RV6606-6-3	.050-.187	.209-.221	.205	.099	.446-.492	.707	.844	675	450
		RV6606-6-4	.062-.250	#4				.770	.907		
		RV6606-6-6	.187-.375	.895				1.032			
		RV6606-6-8	.312-.500	1.020				1.157			
		RV6606-6-10	.437-.625	1.145				1.282			
		RV6606-6-12	.563-.750	1.270				1.407			
	1/4"	RV6606-8-4	.040-.250	.250-.263	.246	.116	.535-.550	.815	1.005	950	575
		RV6606-8-6	.125-.375	1/4				.940	1.130		
		RV6606-8-8	.250-.500	1.065				1.255			
		RV6606-8-10	.375-.625	1.190				1.380			

Steel Rivet/Steel Mandrel

Countersunk Head Recessed Crown	1/4"	RV6671-8-4	.150-.250	.250-.263	.246 Max.	.165	.477-.485	.915	1.005	1250	950
		RV6671-8-6	.187-.375	1/4				1.040	1.130		
		RV6671-8-8	.250-.500	1.165				1.355			
Dome Head Recessed Crown	1/4"	RV6676-8-4	.040-.250	.250-.263	.246 Max.	.125	.535-.550	.815	1.005	1250	950
		RV6676-8-6	.125-.375	1/4				.940	1.130		
		RV6676-8-8	.250-.500	1.065				1.255			
		RV6676-8-10	.375-.625	1.190				1.380			

Monel Rivet/Stainless Steel Mandrel

Dome Head Recessed Crown	1/4"	RV6696-8-4 RV6696-8-6	.040-.250 .125-.375	.250-.263 1/4	.246 Max.	.125	.535-.550	.815 .940	1.005 1.130	1850	1455
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RV66 0 4 - 6 - 8 W

Olympic Bulb-Tite Rivet Material
 0 - Aluminum
 7 - Steel
 9 - Monel

Washer for Weather Resistance
 Maximum Grip (in 1/16")
 Nominal Diameter (in 1/32")
 Head Style:
 1 - Countersunk
 2 - Flat Head
 3 & 9 - Dome Head (Protruding Crown)
 4 - Dome Head (Protruding Crown)
 5 - Large Flange Head
 6 - Dome Head (Recessed Crown)
 7 - Dome Head (Shaveable)

BULB-TITE RIVETS



Aluminum Rivet/Aluminum Mandrel

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)					Typ. Strengths (lbs.)	
					D Max.	B Max.	A	L Max.	F Ref.	Shear	Tensile
Shaveable Brazier Head	5/32"	RV6607-5-5	.020-.312	.162-.167	.161	.077	.296-.328	.800	.920	350	225
			#20								
	3/16"	RV6607-6-3	.020-.187	.209-.221	.205	.105	.446-.492	.707	.872	675	450
		RV6607-6-4	.050-.250	.770				.935			
RV6607-6-6		.050-.375	.895	1.060							
RV6607-6-8		.050-.500	1.020	1.185							
1/4"	RV6607-6-10	.050-.625	1.145	1.310							
	RV6607-6-12	.050-.750	1.270	1.435							
1/4"	RV6607-8-8	.050-.500	.250-.263	.246	.125	.446-.492	1.065	1.255	950	575	
		1/4	1.190				1.360				

Shaveable Series

The Shaveable series of Bulb-tite rivets are designed for use in applications where solid "bucked" type rivets are commonly used such as truck/trailer body assembly or repair. The Shaveable Bulb-tite simplifies repairs made to solid riveted assemblies, as rivet replacement does not require access to the blind side of the application. The Bulb-tite's large blindside footprint functions well in rivet holes that have become elongated or too large to allow use of a solid rivet. Simply install the Bulb-tite and finish the rivet head with an Olympic head-shaving tool. The shaved head profile perfectly matches the solid brazier head rivets used elsewhere in the assembly. Shaveable Bulb-tites are available in 5/32", 3/16" and 1/4" diameters and can be installed with most standard blind rivet tools. A special Bulb-tite tool nose tip is not required. The installed rivet's mandrel is designed to break high, leaving an exposed mandrel plug extending above the set fastener's head. The remaining mandrel protrusion is snipped off using the RV57 mandrel trimming tool. Finally, the rivet head is shaved using the HS310 rivet head shaver, leaving a finished rivet head that matches solid rivets in appearance.



1. PROTRUDING MANDREL IS SNIPPED FLUSH WITH RIVET'S HEAD.



2. PROPER SIZED SHAPER TOOL, INSTALLED IN A STANDARD 1/4" DRILL, SHAVES RIVET HEAD.



3. SHAVED BULB-TITE RIVETS MATCH SOLID RIVETS PERFECTLY!

ACCESSORY TOOLS



RV 24RE BULB-TITE REMOVAL TOOL

Designed for use with Aluminum Bulb-tite rivets, the tool greatly simplifies rivet removal in repair operations. The specially ground jaws cut rivet heads off cleanly without damage to the application material.



RV 57 MANDREL TRIMMER

The RV57 Trimmer is designed for use with the Aluminum Shaveable Head Bulb-tite rivets. The curved handles and flat ground blades allow close trimming of the excess mandrel prior to finishing the shaveable rivets using the Head Shaver tool.



HS 310 RIVET HEAD SHAVER

The HS310 attaches to standard drills to shave and finish the heads on the RV6607 series of Shaveable Aluminum Bulb-tite rivets. Installed rivets are first trimmed of the excess mandrel protruding above the rivet head using the RV57 trimmer. Next, the HS310 is mounted in a standard 3/8" drill and positioned over the rivet head. Actuating the shaver finishes the rivet head to provide the appearance of a brazier head solid rivet. HS310-5B - for use with RV6607-5 series Bulb-tites (5/32" diameter); HS310-6B - for use with RV6607-6 and -8 (3/16" and 1/4" diameters).



Warranties

FASTENERS

GESIPA Fasteners USA, Inc. warrants that its fasteners will be free of defects in materials and workmanship and that they conform to applicable drawings and specifications. GESIPA's liability on products found to be defective is exclusively limited to replacement of such defective products. Claims for damages arising from the use of defective products shall not exceed the invoice price of the products involved.

INSTALLATION TOOLS

GESIPA rivet installation tools are covered under a 12 month warranty from the date of delivery, to be proved by invoice. The warranty applies to the user-purchaser when sold through an authorized distributor. Normal wearing parts and or damage due to improper use are excluded from said warranty. Damages resulting from defects in materials or manufacturing faults will be covered by this warranty and will be repaired or replaced at no cost. Warranty claims shall not exceed the original invoice price of the tool.

BULB-TITE INSTALLATION TOOLS



RV 74G ELECTRIC (AC) POWERED BULB-TITE TOOL



WORK CAPACITY: 5/32", 3/16", 1/4" & 9/32" Bulb-tite rivets.*
***Requires appropriate sized RV8840 series Bulb-tite pulling head**
WEIGHT: 6.5 lbs. w/pulling head attached
LENGTH: 14" w/o pulling head, 18" w/pulling head attached
TRACTION POWER: 3,000 lbs.
WORKING STROKE: Continuous reciprocating .375" per cycle
FEATURES:

- The RV74G is the newest refinement in GESIPA Electric Powered Bulb-tite installation tool that is designed for Metal Building Construction applications. This pistol type tool is suited to sidewall panel applications. Attaching the optional 74-EXT extension adapts the RV74G for installing Bulb-tites in roofing applications from a standing position.

RV 74-EXT PULLING HEAD EXTENSION UNIT



WEIGHT: 1.5 lbs.
LENGTH: 12 13/16" (Extends tool by 12")

FEATURES:

- Attachment of the 74-EXT extension unit adapts the RV74G tool for roofing applications. This ergonomic feature enables Bulb-tite rivet installation while standing.

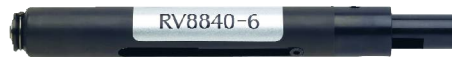
RV 74G with 74-EXT & RV8840 attached

WEIGHT: 8 lbs.
LENGTH: 30"



Bulb-tite Pulling Heads

RV8840-X (-5,6,8,9 DIAMETER BULB-TITE RIVETS)



WEIGHT: 0.5 lbs.
LENGTH: 6 1/16"
FEATURES:

- RV8840 series pulling heads are designed for use with RV6601, 6603, 6604, 6605, 6606, 6676 and 6696 series Bulb-tite rivets which feature multi-grip type mandrels
- These heads are equipped with jaws and tips for specific diameter Bulb-tite rivets. The special Bulb-tite crown-swaging nose tip pivots to align the tip onto the Bulb-tite rivet's head crown for improved bore sealing of installed rivets.

Specify the Bulb-tite rivet diameter when ordering

MANUAL INSTALLATION TOOLS



GESIPA, the world's leading developer and engineering company for blind riveting systems, offers a complete family of manual and power installation tools. Only the highest quality materials and components are used to ensure maximum performance and reliability. GESIPA's superb engineering introduced such innovative products as the GAV Automatic-Feed Blind Riveting System and the award-winning AccuBird battery operated portable riveting tool.

NTS-A GENERAL DUTY MANUAL RIVETING TOOL

WORK CAPACITY: Up to 5/32" ϕ in all materials and 3/16" in aluminum/steel
WEIGHT: 1 lb.

LENGTH: 10.8 in.
WORKING STROKE: .312 in.

FEATURES:

- Slim and rugged design for difficult access areas
- Opening Spring for mandrel ejection
- Available in kit form with blind rivet assortment
- NTS-K for use with GESIPA Plastic Blind Rivets



NTX-F HEAVY DUTY MANUAL RIVETING TOOL

WORK CAPACITY: Up to 5/32" ϕ in all materials and 3/16" in aluminum/steel
WEIGHT: 1.3 lbs.

LENGTH: 10.25 in.
WORKING STROKE: .312 in.

FEATURES:

- High grade aluminum die cast housing with chrome vanadium forged steel handle
- Rugged for the industrial environment
- Available in kit form with blind rivet assortment



FLIPPER LOW EFFORT HAND RIVETING TOOL



P/N
7010036

WORK CAPACITY: Up to 3/16" aluminum/steel rivets

WEIGHT: 1.6 lbs.
LENGTH: 8.35 in.

TOTAL STROKE: .638"
SINGLE ACTION STROKE: .070"

FEATURES:

- Unique ratcheting mechanism reduces setting effort by 40%
- Ergonomic handles feature cushioned rubber grips
- Spent mandrel collector also houses additional nose tips and wrench for easy changeover

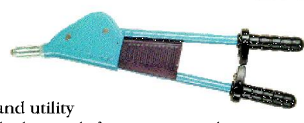
HN-2 HEAVY DUTY MANUAL LEVER RIVETING TOOL

WORK CAPACITY: Up to 1/4" ϕ in all materials

WEIGHT: 4 lbs.
LENGTH: 22 in.
WORKING STROKE: .394 in.

FEATURES:

- Lever and gear design reduces physical strength for all rivet sizes
- Grips designed for comfort, safety and utility
- Spent mandrel collection system which swivels for easy removal



SN-2 LAZY TONG MANUAL RIVETING TOOL

WORK CAPACITY: Up to 1/4" ϕ in all materials

WEIGHT: 4.6 lbs.
LENGTH (CLOSED): 11.625 in.
LENGTH (OPENED): 32.75 in.

WORKING STROKE: .433 in.

FEATURES:

- Slim design for hard to reach riveting applications
- Lattice levering system reduces operator fatigue



POWER INSTALLATION TOOLS



PH 1 PNEUMATIC/HYDRAULIC POWER RIVETING TOOL



WORK CAPACITY: Up to 5/32" ϕ in all materials
WEIGHT: 2.6 lbs.

OPERATING AIR PRESSURE: 85-115 psi
TRACTION POWER: 1,540 lbs.
WORKING STROKE: .60 in.

FEATURES:

- Superior design and highest quality materials ensure long service life
- Quick release valve for fast return stroke and increased production
- Hydraulic head is adjustable 360° to enable access to difficult to reach applications

PH 2 PNEUMATIC/HYDRAULIC POWER RIVETING TOOL



WORK CAPACITY: Up to 3/16" ϕ in steel/steel standard rivets
WEIGHT: 2.8 lbs.

OPERATING AIR PRESSURE: 85-115 psi
WORKING STROKE: .60 in.
TRACTION POWER: 1980 lbs.

FEATURES:

- Same features as PH 1, but with increased power for setting 3/16" ϕ blind rivets

PH 2000 PNEUMATIC/HYDRAULIC POWER RIVETING TOOL



WORK CAPACITY: Up to 1/4" ϕ in all materials*

WEIGHT: 4 lbs.
OPERATING AIR PRESSURE: 85-115 psi

TRACTION POWER: 2,740 lbs. @ 90 psi
WORKING STROKE: .875 in.

FEATURES:

- Composite construction provides high power to low overall tool weight
- Integrated vacuum absorption and spent mandrel collection system eliminates spent mandrel debris
- Can be setup for use with Bulb-tite Rivets

* Not for use with 1/4" diameter rivets requiring setting force greater than 2,200 pounds.

PH Axial PNEUMATIC/HYDRAULIC POWER RIVETING TOOL



WORK CAPACITY: Up to 3/16" ϕ in steel/steel standard rivets
WEIGHT: 4 lbs.

OPERATING AIR PRESSURE: 85-115 psi
TRACTION POWER: 1,980 lbs.
WORKING STROKE: .590 in.

FEATURES:

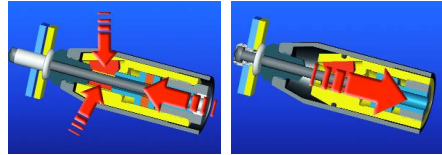
- Ergonomic in-line tool design minimizes operator fatigue
- Vacuum absorption of spent mandrels eliminates mandrel debris

TAURUS FAMILY OF TOOLS FOR EVERY REQUIREMENT

GESIPA has been the leading innovator in developing quality rivet tools. More than 20 years ago the PH2000 was introduced and quickly set the standard for high-end industrial grade rivet tools. It was the first air/hydraulic rivet tool utilizing composite construction, providing low tool weight, high performance and durability. GESIPA has continued this legacy with the Taurus line of rivet tools. Taurus tools come in six sizes with power and stroke optimized for the range of rivets they install. Taurus' improved jaw system further increases jaw traction and extends jaw life to reduce maintenance. Like the PH2000 the Taurus tools use the exhaust air from each stroke to eject spent mandrels for reliable mandrel collection. Low operator fatigue is made possible by the cushioned grip and quiet operation.

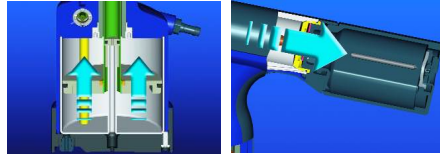


GESIPA®
Fasteners USA, Inc.



Improved jaw system A WORLDWIDE UNIQUE JAW MECHANISM (PATENT PENDING)

Taurus models 1-4 feature 3-jaw traction systems, model 5 has 4-jaws and model 6 has 6-jaws. More jaws provide longer life and improved gripping traction. Each jaw in the Taurus tool rides in its own precision channel, thereby perfectly aligning the jaws to the rivet mandrel. In other systems jaws sit loosely inside the tool head and make less than perfect contact with the rivet mandrel, resulting in uneven jaw wear and more frequent servicing requirements. Most rivet tools have a mechanical spring that applies pressure to their jaws. Taurus tools replace this spring with an air-driven jaw system that produces up to 10 times more gripping pressure. Jaws are driven onto the rivet mandrel and securely lock down under pneumatic pressure as the rivet mandrel is pulled. This results in improved gripping traction, with less scraping off of mandrel plating and debris that clog jaw teeth. Taurus jaws stay cleaner longer. Higher tool readiness, reduced maintenance and lower spare parts consumption make Taurus tools very cost effective.



Compressed air with double action

Compressed air is a factory resource to be conserved and Taurus tools use it to maximum efficiency. Rivet tools equipped with spent mandrel collection systems normally require additional compressed air to power the vacuum collector. This secondary requirement can consume up to 100 litres of compressed air per minute. GESIPA's Taurus tools conserve valuable compressed air resources by utilizing the exhaust air from each tool actuation to drive the spent mandrel into the tool's collector. Exhaust air is redirected into the tool head creating a powerful air blast that ejects the spent mandrel into the collector.

POWER INSTALLATION TOOLS

GESIPA®
Fasteners USA, Inc.

Taurus 1 HYDRO-PNEUMATIC POWER RIVETING TOOL

WORK CAPACITY:
1/8" ϕ in all materials
5/32" ϕ in
aluminum/steel
WEIGHT: 2.87 lbs.
PULLING STRENGTH:
1,150 lbs. @ 90 psi
WORKING STROKE:
.590 in.

FEATURES:

- Nose tips for each rivet diameter are stored in tool's base
- Same hydraulic section as the Taurus 2 insures long tool life and reduced maintenance
- Suspension loop retracts into tool body



Taurus 2 HYDRO-PNEUMATIC POWER RIVETING TOOL

WORK CAPACITY: Up to
3/16" ϕ in all materials
WEIGHT: 3.75 lbs.
PULLING STRENGTH:
2,500 lbs. @ 90 psi
WORKING STROKE:
.709 in.

FEATURES:

- New 3-piece jaw design increases jaw life — reducing service costs
- Integrated mandrel collection system with grip release shutoff — conserves compressed air resources
- Padded ergonomic tool grip enhances comfort — lowers operator fatigue



Taurus 3 HYDRO-PNEUMATIC POWER RIVETING TOOL

WORK CAPACITY: Up to
1/4" ϕ in all materials
WEIGHT: 4.19 lbs.
PULLING STRENGTH:
3,900 lbs. @ 90 psi
WORKING STROKE:
.984 in.

FEATURES:

- Taurus 3 is up to 40% lighter than comparable tools in this power range
- Long working stroke installs multi-grip rivets in a single stroke
- Reliable exhaust-air mandrel ejection with large collector and safety interlock



Taurus 4 HYDRO-PNEUMATIC POWER RIVETING TOOL

WORK CAPACITY: Up to
1/4" ϕ structural blind
rivets
WEIGHT: 4.4 lbs.
PULLING STRENGTH:
5,500 lbs. @ 90 psi
WORKING STROKE:
.750 in.

FEATURES:

- Taurus 4 offers the high pulling force required for many of today's 1/4" diameter structural blind rivets



POWER INSTALLATION TOOLS



Taurus 5 NEW HYDRO-PNEUMATIC POWER RIVETING TOOL

WORK CAPACITY:

Blind rivets and Lock Bolts from 1/4" to 3/8" diameters

WEIGHT: 7.5 lbs. w/o pulling head

PULLING STRENGTH: 9,300 lbs. @ 100 psi

WORKING STROKE: .670 in.

FEATURES:

- Four jaw traction system extends jaw life
- Best in class pulling power to tool weight



Special Taurus 5 & 6 Pulling Heads NEW



A range of specialized pulling heads are being developed to enable Taurus 5 & 6 tools to install 3/16" and 1/4" diameter pin and collar (lockbolt) fasteners, as well as 5/16" and 3/8" diameter structural blind rivets. Contact GESIPA for availability.

Taurus 6 NEW HYDRO-PNEUMATIC POWER RIVETING TOOL

WORK CAPACITY:

Blind rivets and Lock Bolts from 1/4" to 3/8" diameters

WEIGHT: 7.7 lbs. w/o pulling head

PULLING STRENGTH: 11,070 lbs. @ 100 psi

WORKING STROKE: .590 in.

FEATURES:

- Six jaw traction system extends jaw life
- Best in class power to weight ratio



C-Frame Adapter for Taurus 1-6 NEW

EVERY TOOL OF THE TAURUS SERIES CAN BE USED TO SET TUBULAR, SEMI-TUBULAR AND SOLID RIVETS

PULLING STRENGTH:

Up to 11,070 lbs. depending on the Taurus tool model used

WORKING STROKE:

.590 in. - .980 in. depending on Taurus model

FEATURES:

- Simple and safe pneumatic force control
- Quick, easy and reversible exchange of the original blind rivet setting head against the C-frame unit on every setting tool of the Taurus series
- Easy change of tools
- C-frame can be rotated over 360°
- Fast working sequence



POWER INSTALLATION TOOLS



Taurex 1 to 6 NEW THE COMPLETE TAURUS SERIES WITH REMOTE MOUNTED PRESSURE TRANSMITTER FOR IMPROVED VERSATILITY AND ERGONOMICS

FEATURES:

- Low weight of the handheld tool lessens operator fatigue
- Tubing connection with quick-connect feature on the pressure transducer side: No oil leak, no air bleeding
- Ideally suited for setting of blind rivets and lockbolts in poorly accessible locations
- Ideal for fixed installation in production lines or semi-automatic workstations
- Can be ordered with most of the advanced options of the Taurus series: head extensions, mandrel containers, rivet counting units, process control, pressure trigger and remote control



A WIDE RANGE OF VARIANTS FOR MAXIMUM VERSATILITY...



Head Extensions FOR FREE ACCESS TO RECESSED RIVETING LOCATIONS



Head extensions are a great help when riveting locations are not easily accessible or recessed in the depth of an application. GESIPA offers 50 and 100 mm length extensions for all tools of the Taurus series. Tool extensions are comprised of three components: tool head, jaw pusher and traction rod. Installing the extension increases overall tool head length to 106 mm with the 50 mm extension, and 156 mm with the 100 mm extension. The diameter of 22.5 mm (.885") remains constant over the whole head length. The installation doesn't require any special tool except for the wrenches supplied with the extension.

Captive Spent Mandrel Container FOR QUICK DISPOSAL OF BROKEN MANDRELS

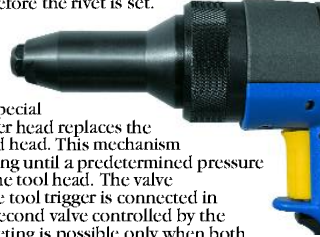


with this optional mandrel container or retrofitted to replace the standard removable collector.

This version of the spent mandrel container remains attached to the tool. It is particularly well suited for rivets with extra length mandrels. Rotating the mandrel collector opens a window allowing quick emptying of spent mandrels. All Taurus tools can be purchased

Pressure Trigger TO PREVENT GAPS BETWEEN APPLICATION MATERIALS

The pressure trigger insures that application materials are properly pressed together, eliminating gaps, before the rivet is set. This avoids expansion of the rivet body between application materials. A special pressure trigger head replaces the tool's standard head. This mechanism prevents riveting until a predetermined pressure is sensed by the tool head. The valve controlling the tool trigger is connected in series with a second valve controlled by the tool head. Riveting is possible only when both valves are simultaneously open and sufficient pressure is applied on the tool by the operator. Presetting the pressure threshold is done by adding or removing springs in the tool head for 9, 12, 16, or 19 pound activation tension. No other adjustment is necessary and a drifting of the preset value is prevented. The pressure trigger mechanism cannot be retrofitted on existing tools and must be ordered from the factory as an original configuration.



Evacuation Tube FOR DIRECT DISPOSAL OF THE BROKEN MANDRELS

This feature replaces the spent mandrel collector with a 5 foot tube. Exhaust air from each stroke ejects spent mandrels into the evacuation tube. This eliminates the need to constantly empty a collector. Workstations remain clean and riveting tasks can proceed without interruption. The Taurus tool's secondary vacuum feature must be activated while using the evacuation tube system.



...AND HIGH-TECH COMPONENTS FOR ADVANCED QUALITY MONITORING!



Remote Controlled TAURUS Tools FOR INTEGRATION IN AUTOMATIC PRODUCTION LINES



Remote controlled Taurus tools are designed for use in semi-automated and multi-tool installations where remote triggering is required. A sensor installed in the tool's nosepiece confirms that a rivet has been loaded. In multi-tool applications this feature can prevent tools from being cycled unless all rivets are present. Spent mandrels are removed via evacuation tube to a bulk receptacle.

GrivCount RIVET COUNTER FOR A THOROUGH CHECK OF THE NUMBER OF RIVETING OPERATIONS



Quality and safety depend on the presence of each individual rivet in the application when several riveting operations are necessary to obtain a reliable assembly. A special sensor installed in the tool, and connected to an electronic counter, allows a reliable count of the installed rivets. The sensor is installed just in front of the spent mandrel collector and records every spent mandrel ejection. Signal processing can be performed either locally with the GrivCount or remote controlled by a centralized system interfacing with the signal amplifier GrivAmp.



TAURUS with Process Control FOR FAILSAFE QUALITY MONITORING OF EVERY RIVET



Failsafe process control is achieved by a real time analysis of traction and stroke during the riveting operation. All system components involved are part of the tool itself. Each analysis takes less than a second. The result is displayed by a green or red LED installed on the tool, as well as indicated by an optional signal tone. Operators are instantly alerted if the tool detects a rivet that fails to set according to predetermined application parameters. The system allows not only individual analysis of every rivet installed, but also provides global analysis of the whole riveting application. The tool memorizes up to 260,000 riveting operations which can be reviewed at any time.



Optional Interface

PORTABLE/BATTERY POWER INSTALLATION TOOLS



GESIPA set another industry mile stone with the introduction of its battery powered rivet tools. The AccuBird and PowerBird provide power and performance on par with the best air/hydraulic rivet tools, while offering the freedom of battery powered portability. Each tool comes in a rugged steel carrying case and includes a 12 volt battery and 110V/50Hz battery charger. Built into each tool are the nose tips along with a tip removal wrench that enables quick changeover to setup the tool for 4 diameters of blind rivets. With 1,900 pounds of pulling force the AccuBird easily handles rivets up to 3/16" diameter. The PowerBird's 2,900 pounds of pulling force is ideal for 1/4" diameter rivet applications including many structural blind rivets. For installing blind rivet nuts see the portable FireBird tool in our rivet nut section.

AccuBird 12 VOLT CORDLESS RIVETING TOOL



P/N 7250061

WORK CAPACITY: 3/32" to 3/16" blind rivets
WEIGHT: 4.8 lbs. (2.2 kg)
WORKING STROKE: .79" (20 mm)
TRACTION POWER: 1,900 lbs. (8,500 N)
POWER PACK: 12 Volt, rechargeable NiCad \ 1.7Ah P/N 7251017
BATTERY CHARGER: 110V/60Hz, 60 minute charge time

Optional retaining nosepieces hold rivet securely in the tool nose prior to setting the rivet. Extra length nosepieces are available.



PowerBird 12 VOLT CORDLESS RIVETING TOOL



P/N 7240058

WORK CAPACITY: 3/16" and 1/4", and 9/32"BT
WEIGHT: 4.8 lbs. (2.2 kg)
WORKING STROKE: .79" (20 mm)
TRACTION POWER: 2,900 lbs. (13,000 N)
POWER PACK: 12 Volt, rechargeable NiCad \ 2.0Ah P/N 7251092
BATTERY CHARGER: 110V/60Hz, 60 minute charge time



NOSEPIECES FOR BLIND RIVETING TOOLS



NTS, NTS-K, NTX, NTC-F, Flipper, SN 1, PH 1-VK, PH 2-VK and PH 1-L

Rivet Diameter	Rivet Material	Part Number	Elongated Version (9mm)
3/32" (2.4 mm)	Alu	10/18	V-10/18
1/8" (3.2 mm)	CAP-Alu, CAP-Copper	10/18	V-10/18
1/8" (3.0 and 3.2 mm)	Alu, Cu, Steel, Stainless Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	10/24	V-10/24
5/32" (4.0 mm)	Alu, Cu	10/24	V-10/24
5/32" (4.0 mm)	Steel, CAP-Alu, CAP-Cu, Alu/Alu, PG-Alu	10/27	V-10/27
5/32" (4.0 mm)	Stainless Steel, Stinox, PG-Steel	10/29	V-10/29
3/16" (4.8 and 5.0 mm)	CAP-Alu, CAP-Cu	10/29	V-10/29
3/16" (4.8 and 5.0 mm)	Alu, PG-Alu	10/32	V-10/32

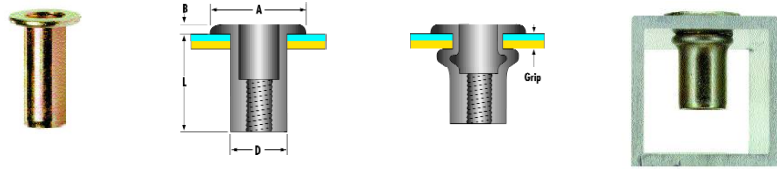
SN 2, HN 2, PH 1, PH 2, PH 2-KA, PH-Axial and PH 2000

Rivet Diameter	Rivet Material	Part Number	Elongated Version (9mm)
3/32" (2.4 mm)	Alu	16/18	V-16/18
1/8" (3.2 mm)	CAP-Alu, CAP-Copper	16/18	V-16/18
1/8" (3.0 mm)	Alu, Cu	16/20	V-16/20
1/8" (3.0 and 3.2 mm)	Steel, Stainless Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	16/24	V-16/24
5/32" (4.0 mm)	Alu, Cu, CAP-Alu, CAP-Cu	16/24	V-16/24
5/32" (4.0 mm)	Steel, Alu/Alu, PG-Alu	16/27	V-16/27
5/32" (4.0 mm)	Stainless Steel, Stinox, PG-Steel	16/29	V-16/29
3/16" (4.8 and 5.0 mm)	Alu, CAP-Alu, CAP-Cu, PG-Alu	16/29	V-16/29
3/16" (4.8 and 5.0 mm)	Steel, Alu/Alu	16/32	V-16/32
3/16" (4.8 and 5.0 mm)	Stainless Steel, Stinox, PG-Steel	16/36	V-16/36
6.0 mm)	Alu,	16/36	V-16/36
6.0 mm)	Steel	16/40	V-16/40
1/4" (6.4 mm)	Alu, PG-Alu	16/40	V-16/40
1/4" (6.4 mm)	Steel, Alu/Alu	16/45	V-16/45
5/32" (4.0 mm)	Plastic	16/30	
3/16" (5.0 mm)	Plastic	16/35	
6.0 mm)	Plastic	16/40	

AccuBird®, PowerBird®, and TAURUS

Rivet Diameter	Rivet Material	Part Number	Elongated Version (9mm)
3/32" (2.4 mm)	Alu	17/18	V-17/18
1/8" (3.2 mm)	CAP-Alu, CAP-Copper	17/18	V-17/18
1/8" (3.0 mm)	Alu/Cu	17/20	
1/8" (3.0 and 3.2 mm)	Alu, Cu, Steel, Stainless Steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	17/24	V-17/24
5/32" (4.0 mm)	Alu, Cu, CAP-Alu, CAP-Cu	17/24	V-17/24
5/32" (4.0 mm)	Steel, Alu/Alu, PG-Alu	17/27	V-17/27
5/32" (4.0 mm)	Stainless Steel, Stinox, PG-Steel	17/29	V-17/29
3/16" (4.8 and 5.0 mm)	Alu, CAP-Alu, CAP-Cu, PG-Alu	17/29	V-17/29
3/16" (4.8 and 5.0 mm)	Steel, Alu/Alu	17/32	V-17/32
3/16" (4.8 and 5.0 mm)	Stainless Steel, Stinox, PG-Steel	17/36	V-17/36
6.0 mm)	Alu,	17/36	V-17/36
6.0 mm)	Steel	17/40	V-17/40
1/4" (6.4 mm)	Alu, PG-Alu	17/40	V-17/40
1/4" (6.4 mm)	Steel, Alu/Alu	17/45	V-17/45

BLIND RIVET NUTS



GESIPA blind rivet nuts provide an efficient method for installing an internally threaded nut, in a blind non-accessible work piece. Sections that were previously too thin to tap threads can now be accommodated with a sufficient number of threads for secure thread engagement.

Blind Rivet Nuts – Inch Size

Head Style	Thread Size	GESIPA Part Number	Grip Range (Inches)	Hole Size (Inches) Drill No.	Dimensions (Inches)			
					D +.000 -.004	B Nom.	A ±.015	L ±.015
Flat	8-32 UNC	8-32G75F* 8-32G120F* 8-32G160F*	.010-.075 .075-.120 .120-.160	.221-.226 #2	.221	.032	.357	.438 .500 .500
	10-32 UNF 10-24 UNC	10-XXG80F* 10-XXG130F* 10-XXG180F*	.010-.080 .080-.130 .130-.180	.250-.256 E	.250	.038	.406	.531 .594 .641
	1/4-20 UNC	1/4-20G80F* 1/4-20G140F* 1/4-20G200F* 1/4-20G260F*	.020-.080 .080-.140 .140-.200 .200-.260	.332-.338 Q	.332	.058	.475	.625 .687 .750 .812
5/16-18 UNC	5/16-18G125F* 5/16-18G200F* 5/16-18G275F*	.030-.125 .125-.200 .200-.275	.413-.423 Z	.413	.062	.665	.750 .875 .937	

Thread Size: 8 - 32 G 75 F A
 Maximum Grip Range: _____
 Material (S Steel) _____
 Head Style (F-Flat) _____
 Material Code Suffix:
 A - Aluminum; Standard finish
 S - Carbon steel; Standard finish
 * (C Countersunk)

BLIND RIVET NUT TOOLS

GBM 95 MEDIUM DUTY PNEUMATIC/HYDRAULIC TOOL FOR BLIND RIVET NUTS



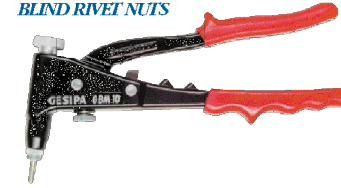
WORK CAPACITY: From 8-32 to 3/8-16 in all materials for thin wall type rivet nuts; up to 1/4-20 steel in thick wall type rivet nuts
WEIGHT: 5 lbs.
OPERATING AIR PRESSURE: 85-115 psi
TRACTION POWER: 3,525 lbs.
WORKING STROKE: Variable adjustment
FEATURES:

- Spin-pull-spin setting sequence for less thread deformation
- Composite construction provides high power to low overall tool weight

BLIND RIVET NUT TOOLS



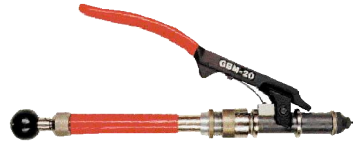
GBM 10 LIGHT DUTY MANUAL TOOL FOR BLIND RIVET NUTS



WORK CAPACITY: Up to 10-32 in all materials
WEIGHT: 1.3 lbs.
LENGTH: 10.75 in.
WORKING STROKE: Adjustable to rivet nut grip requirement
FEATURES:

- Easy stroke adjustment by dial indicator
- Quick changing of mandrel size
- Available nose tips: 8-32, 10-32

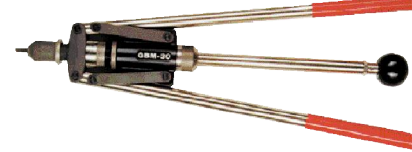
GBM 20 MEDIUM DUTY MANUAL TOOL FOR BLIND RIVET NUTS



WORK CAPACITY: Up to 1/4-20 in aluminum and up to 10-32 in all materials
WEIGHT: 2 lbs.
LENGTH: 14.125 in.
WORKING STROKE: Adjustable to rivet nut grip requirement
FEATURES:

- Simple stroke adjustment via a ring scale calibration feature
- Yankee screwdriver provides fast spin on/off from rivet nut
- Threaded mandrels are quickly changed without tooling
- Available nose tips: 8-32, 10-32, 1/4-20

GBM 30 HEAVY DUTY MANUAL TOOL FOR BLIND RIVET NUTS



WORK CAPACITY: from 10-32 to 3/8-16 in all materials
WEIGHT: 4 lbs.
LENGTH: 18.5 in.
WORKING STROKE: Adjustable to rivet nut grip requirement
FEATURES:

- Yankee screwdriver provides fast spin on/off from rivet nut
- Greater mechanical advantage for easier setting of large rivet nuts
- Available nose tips: 8-32, 10-32, 1/4-20, 5/16-18, 3/8-16

FireBird 12 VOLT CORDLESS RIVET NUT TOOL



WORK CAPACITY: 6-32 to 5/16-18 Steel and Aluminum blind rivet nuts (3/8-16 Aluminum only) *The FireBird tool should not be used with rivet nuts requiring a setting force greater than 2,800 lbs.
WEIGHT: 4.8 lbs. (2.2 kg)
WORKING STROKE: adjustable up to .216" (5.5 mm)
TRACTION POWER: 2,922 lbs. (14,500 N)
POWER PACK: 12 Volt, rechargeable NiCad
BATTERY CHARGER: 110V/60Hz, 60 minute charge time



P/N 7260040

AUTOMATIC-FEED BLIND RIVETING SYSTEM



For more than 30 years GESIPA has provided industry with the most reliable automatic feed blind riveting systems available. The GAV 7000 series offers the state-of-the-art in automated blind rivet technology. Cycle rates up to 45 rivets per minute are possible due to the GAV's unique through-the-nose rivet feed. This important feature eliminates awkward external rivet presenter mechanisms, increasing both safety and reliability. Housed within the GAV's console are the Electronic Control Unit, Hydraulic Power Transmitter and Vibratory Rivet Feeder. The GAV tool head is connected to the console via a 12 foot umbilical hose. Two types of tool heads are available, Pistol or In-Line Robotic. The GAV's turn key technology makes this system the first choice of integrators developing automated blind riveting processes for the industrial user.

GAV 7000

Console Unit

- WEIGHT
220 lbs.
- VOLUME SPENT
MANDREL CONTAINER
Up to 5,500 pieces (3.5 L)
- VOLUME RIVET
FEED BOWL
Up to 3,500 pieces (4.75 L)
- CONSOLE CABINETRY
Rugged enclosed, rugged steel
construction, noise insulated,
dustproof



GAV 8000

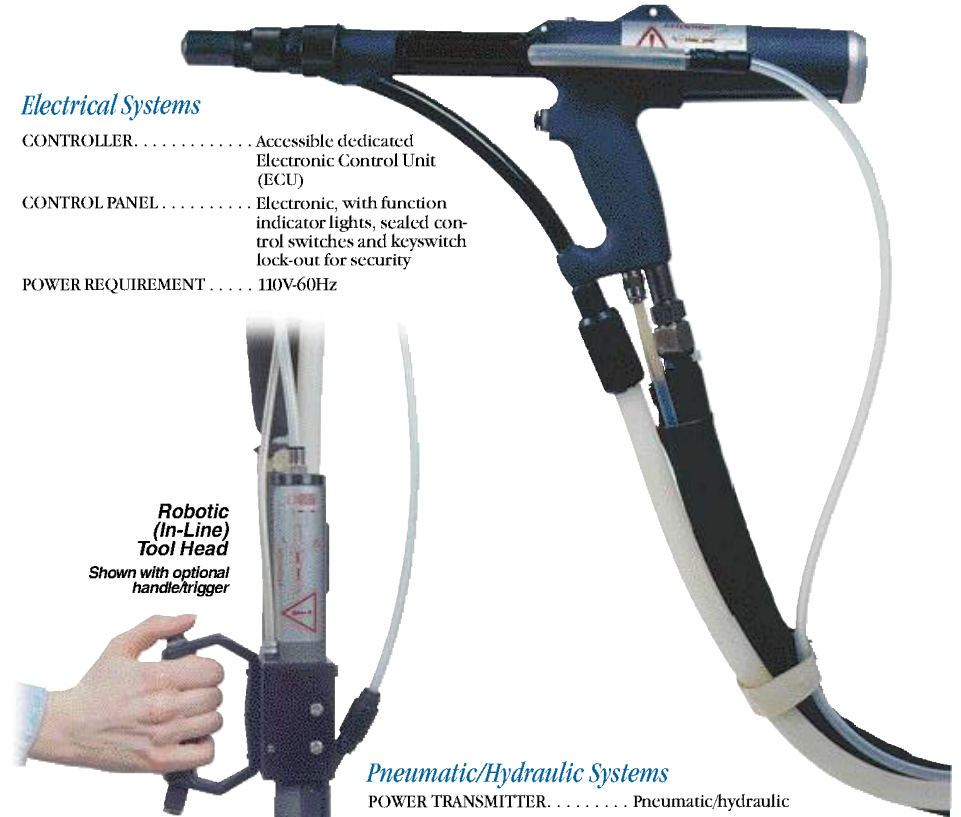
The GAV 8000 adds GESIPA's advanced Process Control capability to the proven GAV system. By monitoring rivet setting force and stroke duration, the GAV 8000 provides real time analysis and error detection of every rivet installed. A color display with membrane control switches enables easy access to programming menus and displays individual graphs for each set rivet. System memory stores data on up to 260,000 riveting operations for a global analysis of the riveting process.

AUTOMATIC-FEED BLIND RIVETING SYSTEM



Electrical Systems

- CONTROLLER Accessible dedicated
Electronic Control Unit
(ECU)
- CONTROL PANEL Electronic, with function
indicator lights, sealed control
switches and keyswitch
lock-out for security
- POWER REQUIREMENT 110V-60Hz



**Robotic
(In-Line)
Tool Head**
Shown with optional
handle/trigger

Pneumatic/Hydraulic Systems

- POWER TRANSMITTER Pneumatic/hydraulic
- COMPRESSED AIR SUPPLY 1/2" min., filtered, dry, non-oiled
- WORKING AIR PRESSURE 90-100 psi @ 25cfm

Rivet Tool Head

- PISTOL STYLE horizontal operation with handgrip
- AXIAL STYLE vertical operation or for use in fixtures
and automated applications
- TOOL LENGTH 17.63 in.
- WEIGHT 5.5 lbs.
- WORKING STROKE 0.78 in.
- TRACTION POWER 2,650 lbs.
- HOSE ASSEMBLY 12.3 ft. standard length