

HOW THE BULB-TITE WORKS: During installation, the rivet body folds into three separate legs, forming the blind-side upset head. The Bulb-tite mandrel breaks off *flush with the rivet head. *Flush mandrel break requires use of special Bulb-tite installation tool nose tip.

WEATHER TIGHT: A special nose tip on the rivet installation tool crimps a crown feature on the rivet head. This crown/crimp effectively seals the rivet bore off from intrusion of dirt and moisture. Adding the optional washer to the Bulb-tite, creates an additional seal around the perimeter of the rivet head to stop moisture from intruding beneath the rivet head.

HIGH STRENGTH: Another benefit of the Bulb-tite rivet's retained mandrel core is the added strength it provides. Bulb-tite rivets are less prone to failure in high shear loads.

HIGH CLAMPING: The large three-legged upset head evenly distributes the Bulb-tite rivet's high clamp load over a broader bearing surface than do conventional blind rivets. This enables soft, thin, ductile and even brittle materials to be securely clamped without deformation, cracking or other damage to the application.

HARD-TO-FASTEN APPLICATIONS: Bulb-tite rivets function well in materials where other fasteners fail. The folded legs individually conform to curved surfaces enabling fastening onto pipes, corrugations and other challenging shaped applications. Oversized or elongated holes can be adequately covered by the large leg formations to resist pull through under stress in high tension-load applications.

MULTI-GRIP CAPABILITY: Each Bulb-tite handles a wide variation in material thickness. Most sizes fasten over a 1/4" thickness range. Fewer rivet sizes may be required resulting in reduced inventory requirements and simplified fastener selection.

CHOICE OF FINISHED APPEARANCE: Bulb-tite rivets are offered in a variety of head styles including: Standard Dome, Low Profile, Large Flange and Countersunk. Color matched plastic finish caps can be snapped onto certain Bulb-tite head styles to conceal installed rivet heads. The unique Shaveable Head Bulb-tite was specifically designed for use in heavy truck and trailer applications where solid rivets are used. They are ideal for repair of solid riveted assemblies where access to the application's blind side may be no longer accessible. The Shaveable Bulb-tite rivet head is finished using a special head-shaving tool. Shaved Bulb-tite rivet heads then match the appearance of solid rivets in the assembly.

MATERIAL CHOICES: The standard Bulb-tite rivets are made of aluminum alloy, providing a durable non-rusting fastener that can withstand weather-related corrosion. Some Bulb-tite sizes are also available in steel and monel materials where higher strength is required.

Aluminum Rivet/Aluminum Mandrel

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size Drill No.	Dimensions (Inches)					Typ. Strengths (lbs.)		
					D Max.	B Max.	A	L Max.	F Max.	Shear	Tensile	
Countersunk Head	3/16"	RV6601-0604	.106-.250	.209-.221	.195-.205	.103	.340	.770	.935	740	460	
		RV6601-0606	.187-.375	#4								
		RV6601-0608	.312-.500									
		RV6601-0610	.437-.625									
		RV6601-0612	.563-.750									
Countersunk Head	1/4"	RV6601-0804	.150-.250	.250-.263	.246	.147	.452	.815	1.005	1100	675	
		RV6601-0806	.187-.375	E								
		RV6601-0808	.250-.500									
Low Profile Flat Head	5/32"	RV6602-0504	.125-.250	.162-.167	.161	.047	.359-.375	.790	.862	465	245	
		RV6602-0506	.187-.375	#20								
		RV6602-0508	.250-.500									
	Low Profile Flat Head	3/16"	RV6602-0604	.125-.250	.209-.221	.195-.205	.062	.430-.455	.770	.935	740	460
			RV6602-0606	.187-.375	#4							
			RV6602-0608	.250-.500								
			RV6602-0610	.375-.625								
			RV6602-0612	.500-.750								



OLYMPIC BULB-TITE RIVETS



Aluminum Rivet/Aluminum Mandrel

Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range (Inches)	Hole Size Drill No.	Dimensions (Inches)					Typ. Strengths (lbs.)															
					D	B Max.	A	L Max.	F Max.	Shear	Tensile														
Dome Head Protruding Crown	5/32"	RV6604-0504 RV6604-0508	.067-.250 .250-.500	.162-.167 #20	.161 Max.	.074	.335-.350	.785 .972	.925 1.112	465	245														
	3/16"	RV6604-0603 RV6604-0604 RV6604-0606 RV6604-0608 RV6604-0610 RV6604-0612	.050-.187 .062-.250 .187-.375 .312-.500 .437-.625 .563-.750	.209-.221 #4	.195-.205	.093	.430-.455	.707 .770 .895 1.020 1.145 1.270	.844 .907 1.032 1.157 1.282 1.407	740	460														
		1/4"	RV6604-0804 RV6604-0806 RV6604-0808 RV6604-0810					.062-.250 .125-.375 .250-.500 .375-.625	.250-.263 1/4			.246 Max.	.118	.555-.565	.815 .940 1.065 1.190	1.005 1.130 1.255 1.360	1100	675							
			9/32"					RV6603-0903 RV6603-0906 RV6603-0910 RV6603-0912							.032-.187 .032-.375 .250-.625 .375-.750	.308-.327 5/16			.295-.304	.150	.610-.620	0.863 1.110 1.360 1.485	1.000 1.325 1.575 1.700	1500	1100
Large Flange Prot. Crown								RV6605-0906 RV6605-0910 RV6605-0912							.042-.375 .250-.625 .375-.750							.308-.327 5/16	.295-.304		
		Low Profile Head Recessed Crown						3/16"	RV6606-0603 RV6606-0604 RV6606-0606 RV6606-0608 RV6606-0610 RV6606-0612			.050-.187 .062-.250 .187-.375 .312-.500 .437-.625 .563-.750	.209-.221 #4	.195-.205	.099		.446-.492	.707 .770 .895 1.020 1.145 1.270							
	1/4"			RV6606-0804 RV6606-0806 RV6606-0808 RV6606-0810	.040-.250 .125-.375 .250-.500 .375-.625	.250-.263 1/4	.246 Max.		.116	.535-.550	.815 .940 1.065 1.190	1.005 1.130 1.255 1.380						1100							

Steel Rivet/Steel Mandrel

Countersunk Head	1/4"	RV6671-0804 RV6671-0806 RV6671-0808	.150-.250 .187-.375 .250-.500	.250-.263 1/4	.246 Max.	.147 Ref.	.477-.485	.915 1.040 1.165	1.005 1.130 1.355	1835	1000
Dome Head Recessed Crown	1/4"	RV6676-0804 RV6676-0806 RV6676-0808 RV6676-0810	.040-.250 .125-.375 .250-.500 .375-.625	.250-.263 1/4	.246 Max.	.116	.535-.550	.815 .940 1.065 1.190	1.005 1.130 1.255 1.380	1850	1025

Monel Rivet/Stainless Steel Mandrel

Dome Head Recessed Crown	1/4"	RV6696-0804 RV6696-0806 RV6696-0808 RV6696-0810	.040-.250 .125-.375 .250-.500 .375-.625	.250-.263 1/4	.246 Max.	.116	.535-.550	.815 .940 1.065 1.190	1.005 1.130 1.255 1.360	2100	1455
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Head Style	Rivet Dia. Nom.	GESIPA Part Number	Grip Range	Hole Size Drill No.	Dimensions (inches)					Typ. Strengths (lbs.)	
					D	B	A	L	F	Shear	Tensile
Shaveable Brazier Head	5/32"	RV6607-0505	.020-.312	.162-.167 #20	.161	.072	.312	.800	.920	465	245
	3/16"	RV6607-0606	.050-.375	.209-.221 #4	.205	.094	.469	.875	1.060	740	460
		RV6607-0608	.050-.500	.205	.094	.469	1.000	1.185	740	460	
1/4"	RV6607-0808	.050-.500	.250-.263 1/4	.246	.120	.469	1.045	1.235	1100	675	

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)

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

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

Plastic Finish Caps



Optional plastic finish caps are available, for use with 3/16" and 1/4" diameter RV6604 series Bulb-tite. These caps snap onto installed rivet heads to provide a more finished appearance. Finish caps can be ordered to color match applications such as painted roofs or building facia.



Shaveable Series

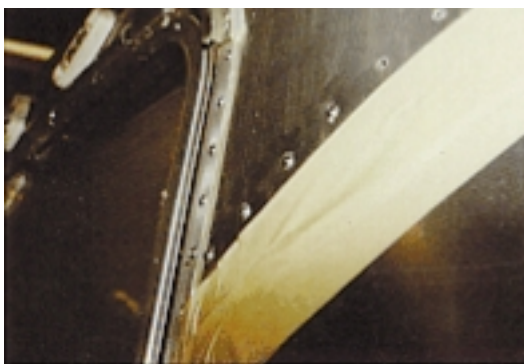
The Shaveable series of Bulb-tite rivets are designed for use in applications where solid "bucked" type rivets are commonly used such as truck/trailer body assembly or repair. The Shaveable Bulb-tite simplifies repairs made to solid riveted assemblies, as rivet replacement does not require access to 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. Shaveable Series rivets can be installed with most standard blind rivet nut tools. No special tool nose tip is required. The installed rivets mandrel is designed to break high, leaving an exposed mandrel plug extending above the set fastener's head.



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



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



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

RV28G
CRANK-TYPE
BULB-TITE TOOL



WORK CAPACITY: Aluminum Bulb-tite sizes 3/16" to 9/32" diameters.
WEIGHT: 4.4 lbs. w/o pulling head
LENGTH: 16" w/o pulling head
WORKING STROKE: .375" per crank rotation
FEATURES:

- Two-handed crank design provides for fast manual installation of Bulb-tite rivets.

RV73G
ELECTRIC (AC) POWERED BULB-TITE TOOL



WORK CAPACITY: Aluminum Bulb-tite sizes 3/16" to 9/32" diameters.
WEIGHT: 6 lbs. w/o pulling head
LENGTH: 14" w/o pulling head, 18" w/pulling head
POWER SOURCE: 110V/60Hz.
TRACTION POWER: 1900 lbs.
WORKING STROKE: .375" per reciprocating cycle
FEATURES:

- The RV73G is a rugged electric Bulb-tite installation tool designed for use in metal clad building construction.
- Compact size and low tool weight is ideal for installing Bulb-tite into sidewall applications.

RV78GX
HIGH SPEED ELECTRIC (AC)
POWERED BULB-TITE TOOL

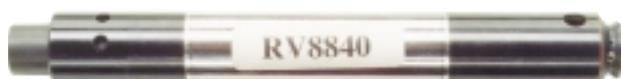


WORK CAPACITY: Aluminum Bulb-tite sizes 3/16" to 9/32" diameters
 Steel and Monel Bulb-tite size 1/4" diameter
WEIGHT: 12.5 lbs. w/o pulling head
LENGTH: 24" w/o pulling head, 29" w/pulling head
POWER SOURCE: 110V/60Hz.
TRACTION POWER: 3000 lbs.
WORKING STROKE: 1" per reciprocating cycle
FEATURES:

- The RV78GX is a high speed long stroke tool designed to install Bulb-tite rivets in metal clad building application.
- The tools "D" handle grip and long overall length enable the operator to install Bulb-tites into metal roofing while standing, thereby reducing operator fatigue.

Olympic Bulb-tite Pulling Heads
RV8840-X (-5,6,8,9 SIZE DIAMETERS)

Specify the Bulb-tite rivet diameter when ordering.



The RV8840 pulling head is designed for use with the RV28G, RV73G and RV78GX installation tools. The RV8840 series heads features a unique pivoting nose tip anvil which swages the Bulb-tite rivet's crown sealing feature, even when the tool is held slightly off perpendicular to the application.

RV24E
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.

RV57
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.

HS310
RIVET HEAD SHAVER



The HS310 Shaver is used 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 are free from defects in materials and workmanship, and that they conform to applicable specifications and drawings. GESIPA's liability on product found to be defective is exclusively limited to replacement of such defective products. GESIPA will not be liable for damages or costs incurred by the buyer or subsequent user in repairing or replacing defective product.

Installation Tools

GESIPA installation tools are covered under a six 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 the warranty. Damages caused by material or manufacturing faults will be covered by this warranty and will be repaired or replaced at no cost. Claims can only be accepted if the complete riveting tool (not disassembled) is returned to the distributor or GESIPA.

VAS
AUTOMATIC MANDREL COLLECTION
(Shown with PH 2 tool)



WEIGHT: 1 lb.
OPERATING AIR PRESSURE:
85-115 psi

- FEATURES:**
- The rivet, inserted into the nosepiece, is held in the jaw mechanism even if the tool head is in the vertical position.
 - Device absorbs the spent mandrel after the riveting operation and transports it automatically into the mandrel container

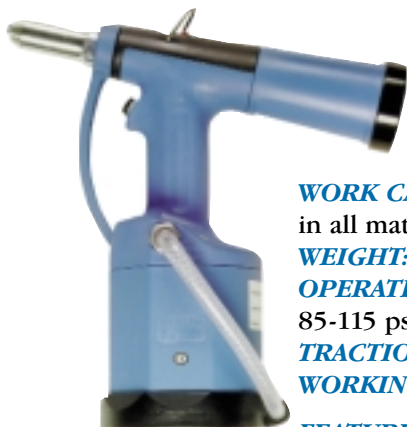
PH Axial
PNEUMATIC/HYDRAULIC POWER
RIVETING TOOL



WORK CAPACITY: Up to 3/16" ø
in all materials
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

PH 2000
PNEUMATIC/HYDRAULIC POWER
RIVETING TOOL



WORK CAPACITY: Up to 1/4" ø
in all materials
WEIGHT: 4 lbs.
OPERATING AIR PRESSURE:
85-115 psi
TRACTION POWER: 3,525 lbs.
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

RV 100
LONG STROKE POWER
RIVETING TOOL



WORK CAPACITY: Sets up to 1/4" ø
in all materials in a single stroke
WEIGHT: 5.7 lbs.
OPERATING AIR PRESSURE:
Max. 100 psi
WORKING STROKE: .985"
TRACTION POWER: 4,090 lbs. @
87 psi

- FEATURES:**
- Integral vacuum absorption system collects spent mandrels
 - Contoured ergonomic hand grip
 - Composite construction provides low tool weight

GESIPA applied its more than 40 years of expertise in the design and manufacture of quality blind rivet tools to the development of a revolutionary new product line. The proven benefits of battery powered portable tooling are combined with innovative design features to form the **AccuBird®**, **PowerBird®**, and **FireBird®** family of blind rivet tools. GESIPA battery powered portables offer high utility and provide performance equal to industrial grade pneumatic/hydraulic power riveting tools. All three GESIPA portables come in their own rugged steel carrying kits along with battery charger and a 12 volt long life rechargeable battery. The **AccuBird®** sets 3/32" to 3/16" diameter standard blind rivets. Choose the **PowerBird®** for heavy-duty applications installing 1/4" diameter standard and structural blind rivets. GESIPA'S **FireBird®** installs blind rivet nuts. The tool's precise (spin-on/pull/spin-off) setting method yields consistent quality rivet nut installation. The **FireBird®** comes equipped with standard nose tips for 8-32, 10-32, and 1/4-20 size rivet nuts. See the chart for optional nose tip sizes. Safety, utility, reliability and long service life make the "Bird" family a logical alternative to conventional blind riveting tools.

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

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.



Blind Rivet Diameter	Material	Pcs. Per Battery Charge	Standard Nosepiece	Retaining Nosepiece (Optional)
3/32 (2.4 mm)	alu/steel	1,900	17/18	17/18R
1/8 (3.0 and 3.2 mm)	alu/steel	1,300	17/24	17/24R
1/8 (3.0 and 3.2 mm)	all steel	1,100	17/24	17/24R
1/8 (3.0 and 3.2 mm)	all stainless steel	1,000	17/24	17/24R
5/32 (4.0 mm)	alu/steel	1,000	17/27	17/27R
5/32 (4.0 mm)	all steel	900	17/27	17/27R
5/32 (4.0 mm)	all stainless steel	800	17/27	17/27R
3/16 (4.8 and 5.0 mm)	alu/steel	700	17/32	17/32R
3/16 (4.8 and 5.0 mm)	all steel	500	17/32	17/32R
3/16 (4.8 and 5.0 mm)	all stainless steel	400	17/32	17/32R

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

BATTERY CHARGER: 110V/60Hz, 60 minutes charge time



Blind Rivet Diameter	Material	Pcs. Per Battery Charge	Standard Nosepiece
Standard			
1/4" (6.4 mm)	alu/steel	250	17/45
1/4" (6.4 mm)	steel/steel	150	17/45
Mega-Grip			
3/16" (4.8 mm)	aluminum	360	17/31 MG
3/16" (4.8 mm)	steel or stainless	250	17/31 MG
1/4" (6.4 mm)	aluminum	250	17/41 MG
1/4" (6.4 mm)	steel or stainless	80	17/41 MG
Bulb-tite			
1/4" (6.3 mm)	aluminum	350	17/42 BT
1/4" (6.3 mm)	steel	180	17/42 BT
1/4" (6.3 mm)	stainless/monel	230	17/42 BT
9/32" (7.7 mm)	aluminum	280	17/48 BT

FireBird
12 VOLT
CORDLESS
RIVET NUT TOOL



P/N 7260040

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: 3,200 lbs. (14,500 N)

POWER PACK: 12 Volt, rechargeable NiCad

BATTERY CHARGER: 110V/60Hz, 60 minute charge time



Rivet Nut Thread Size	Rivet Nut Material	Nuts Per charge	Part Number	
			Mandrel	Nosepiece
6-32 (M3)	alum.	600	(6-32) 7262663	(6-32) 7262698
	steel	550	(M3) 7262019	(M3) 7262086
8-32 (M4)	alum.	520	(8-32) 7262574	(8-32) 7262620
	steel	480	(M4) 7262027	(M4) 7262094
10-32 (M5)	alum.	480	(10-32) 7262582	(10-32) 7262639
	steel	400	(M5) 7262035	(M5) 7262108
1/4-20 (M6)	alum.	400	(1/4-20) 7262590	(1/4-20) 7262647
	steel	300	(M6) 7262043	(M6) 7262116
5/16-18 (M8)	alum.	340	(5/16-18) 7262604	(5/16-18) 7262124
	steel	180	(M8) 7262051	(M8) 7262124
3/8-16 (M10)	alum.	300	(3/8-16) 7262612	(3/8-16) 7262655
	steel	*	(M10) 7262078	(M10) 7262132