



WUXI BORIE FASTENERS CO., LTD

# SPECIALIZING IN RIVETING SOLUTIONS





**LET'S START OUR STORY**

# COMPANY PROFILE



Wuxi Borie Fasteners Co., Ltd. founded in 2005, is located in Wuxi, Jiangsu Province, close to Shanghai Port, with convenient transportation.

The company has first-class production technology, advanced production equipment and independent design and R&D capability. It has the self-made ability of the whole process from cold forming to finished product, packaging and delivery (self-made in the whole process of cold forming, cleaning, heat treatment, tapping, electroplating, optical screening and automatic packaging). At present, it has more than 40 imported multi station cold forming machines, more than 100 CNC tapping machines and optical screening machine and advanced automatic packaging machine. In addition, we also have our own comprehensive laboratory. The company passed ISO9001 and IATF16949.

Wuxi Borie Fasteners Co., Ltd. specializes in manufacturing and developing high-quality rivet products, as well as customized products of various automobile standard parts and non-standard fasteners. Our rivets are widely used in automobile, windenergy, railway, distribution cabinet, air conditioning, furniture and other fields, There are nearly 1000 kinds of products, including open end blind rivets, close end blind rivets, structural rivets, lockbolts, drive rivets, rivet nuts(different materials such as carbon steel, stainless steel, aluminum and copper). Through the untiring efforts of all employees and the joint research and exchange with famous manufacturers at home and abroad, "BR" brand has won the recognition of users, and has a strong market competitive advantage.

The company always adheres to the concept of "survival by quality, lean production, high quality, high efficiency and continuous improvement", and builds a better future on the basis of equality and mutual benefit.

Welcome customers at home and abroad to call and write about business!



## VISION

To be reliable and reputable partners for our clients.

## MISSION

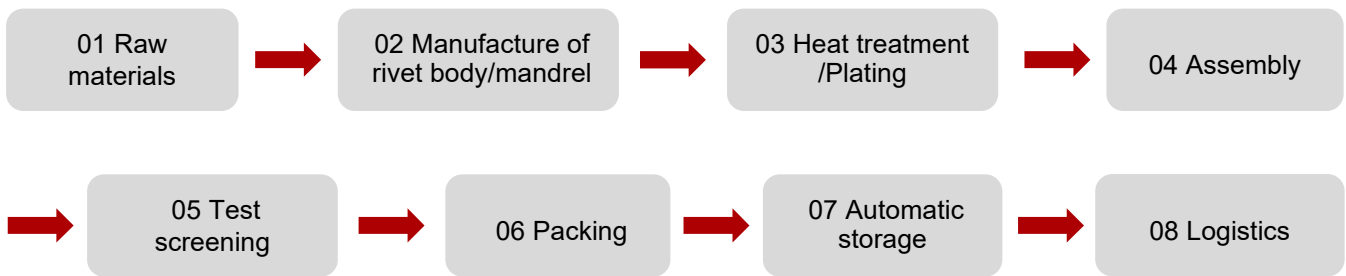
All our activities are to enhance the competitiveness of our customers by offering technical and commercial support.

## GOAL

Offer best service and enhance the production capability to reduce cost without compromising quality.



# PROCESS CONTROL



# QUALITY TEST



## 10 Steps Quality Control

From the raw material to rivet, there will be 10 steps of Q.C. during manufacturing, we use Vision Measuring System, Profilometer, Measuring Projector, Tensile & Shearing Set, Push-out Force Measurer Rivets Spinning Sets, Concentricity Detector, to ensure the quality of Borie rivets!





# BLIND RIVET

- **Open End Blind Rivets**
- **Close End Blind Rivets**
- **Multigrip Blind Rivets**
- **Peel Type Rivets**
- **Pull Thru (PT) Rivets**
- **Grooved Rivets**
- **Grounding Rivets**
- **Tri-Fold Rivets**
- **Bulbtite Rivets**
- **Innerlock Rivets**
- **Monobolt Rivets**
- **Hemlock Rivets**
- **Lockbolt**

# OPEN END BLIND RIVETS



## Material

- Aluminum/Aluminum
- Aluminum/Steel
- Aluminum/Stainless Steel
- Steel/Steel
- Stainless Steel/Steel
- Stainless Steel/Stainless Steel
- Copper/Steel
- Monel Steel

Color painting is available.

Diameter from 2.4 to 6.4 mm

Length from 4.0 to 50.0 mm



## Head Type



Dome Head



Countersunk Head



Large Flange Head

- Design of the mandrel head ensures it stay in place after installation.
- High strength, low cost fastener.
- Available in a variety of materials.
- Ideal for a wide range of applications.
- High installation efficiency.

Rivet Diameter /mm	Dome Head		Countersunk Head	Large Flange		Mandrel Diameter /mm	Mandrel Length /mm	Hole Size /mm
	Head Diameter /mm	Head Height /mm	Head Diameter /mm	Head Diameter /mm	Head Height /mm			
D1 +0.08/-0.15	D2	k max.	D2	D2	k	d max.	p min.	Drill
2.4	4.2-5.0	1.0	4.5-5.0			1.55		2.5-2.6
3.0	5.4-6.3	1.3	5.5-6.0			2.00	26.00	3.1-3.2
3.2	5.8-6.7	1.3	5.5-6.0	8.9-9.5	1.4	2.00		3.3-3.4
4.0	6.9-8.4	1.7	6.0-7.5	11.4-12.0	1.7	2.45	27.00	4.1-4.2
4.8	8.3-10.1	2.0	8.5-9.0	13.4-14.0	1.8	2.95	28.00	4.9-5.0
6.4	11.6-13.4	2.7		15.4-16.0	2.0	3.90	32.00	6.5-6.6

Rivet Diameter /mm		Aluminum /Aluminum	Aluminum /Steel	Aluminum /Stainless Steel	Steel/Steel	Stainless Steel/Steel	Stainless Steel /Stainless Steel	Copper/Steel
2.4	Shear/N		250		500			
	Tensile/N		350		700			
3	Shear/N		550		950	1800	1800	760
	Tensile/N		850		1100	2200	2200	950
3.2	Shear/N	500	750	750	1100	1900	1900	800
	Tensile/N	700	1100	1100	1200	2500	2500	1000
4	Shear/N	850	1250	1250	1700	2700	2700	1500
	Tensile/N	1200	1800	1800	2200	3500	3500	1800
4.8	Shear/N	1200	1850	1850	2900	4000	4000	2000
	Tensile/N	1700	2600	2600	3100	5000	5000	2500
6.4	Shear/N		3400		4900	7500	7500	
	Tensile/N		4850		5700	9300	9300	

# CLOSE END BLIND RIVETS



## Material

- Aluminum/Aluminum
- Aluminum/Steel
- Aluminum/Stainless Steel
- Steel/Steel
- Stainless Steel/Stainless Steel
- Copper/Steel

Color painting is available.

Diameter from 3.2 to 6.4 mm

Length from 6.0 to 30.0 mm

## Head Type



Dome Head



Countersunk Head



Large Flange Head

- Provide a water/air tight fastening
- Greater tensile and shear strength than open end rivets
- 100% mandrel retention, vibration resistant joints

Rivet Diameter /mm	Dome Head		Countersunk Head	Flange Head		Mandrel Diameter /mm	Mandrel Length /mm	Hole Size /mm
	Head Diameter /mm	Head Height /mm	Head Diameter /mm	Head Diameter /mm	Head Height /mm			
D1 +0.08/-0.15	D2	k	D2	D2	k	d	p	Drill
		max.			max.	max.	min.	
3.2	5.8-6.4	1.3	5.6-6.2	6.7	1.3	1.75	26.00	3.3-3.4
4.0	7.7-8.3	1.6	7.7-8.3	8.4	1.7	2.15	27.00	4.1-4.2
4.8	9.3-9.9	2.0	9.0-9.6	10.1	2.0	2.63	28.00	4.9-5.0
6.4	12.4-13.0	2.5		13.4	2.7	3.65	30.00	6.5-6.6

Rivet Diameter /mm		Aluminum/Aluminum	Aluminum/Steel	Aluminum /Stainless Steel	Steel/Steel	Stainless Steel /Stainless Steel	Copper/Steel
3.2	Shear/N	460	1100	1100	1150	2000	850
	Tensile/N	540	1450	1450	1300	2500	1300
4	Shear/N	720	1600	1600	1700	3000	1350
	Tensile/N	760	2200	2200	1850	3500	2000
4.8	Shear/N	1000	2200	2200	2400	4000	1950
	Tensile/N	1400	3100	3100	2800	4400	2800
6.4	Shear/N		3600	3600			
	Tensile/N		4900	4900			

# MULTIGRIP BLIND RIVETS



## Material

- Aluminum/Steel
- Aluminum/Stainless Steel
- Steel/Steel
- Stainless Steel/Stainless Steel

Color painting is available.



Diameter from 3.2 to 4.8 mm

Length from 6.0 to 30.0 mm

## Head Type



Dome Head



Countersunk Head



Large Flange Head

- A wide of grip range, reducing inventory.
- Strong strength, vibration resistant joint
- Accommodates irregular, oversized, slotted or misaligned holes.
- Good appearance and vision

Rivet Diameter /mm	Dome Head		Countersunk Head	Large Flange		Mandrel Diameter /mm	Mandrel Length /mm	Hole Size /mm
	Head Diameter /mm	Head Length /mm	Head Diameter /mm	Head Diameter /mm	Head Length /mm			
D1 +0.08/-0.15	D2	k	D2	D2	k	d	p	Drill
		max.	max.		max.	max.	min.	
3.2	5.8-6.3	1.0	5.5	8.9-9.5	1.4	1.75	26.00	3.3-3.4
4.0	7.5-8.0	1.3	6.5	11.4-12.0	1.7	2.15	27.00	4.1-4.2
4.8	9.0-9.6	1.5	9.7	15.4-16.0	2.0	2.63	28.00	4.9-5.0

Rivet Diameter /mm		Aluminum/Steel	Aluminum /Stainless Steel	Steel/Steel	Stainless Steel /Stainless Steel
3.2	Shear/N	650	650	1100	1600
	Tensile/N	850	850	1200	1900
4	Shear/N	1100	1100	1500	2700
	Tensile/N	1600	1600	1800	3350
4.8	Shear/N	1470	1470	2500	4230
	Tensile/N	2160	2160	3000	4800



# PEEL TYPE RIVETS



## Material

- Aluminum/Steel

Color painting is available.

Diameter from 3.2 to 4.8 mm

Length from 8.0 to 50.0 mm



Mandrel splits the end of the rivet body into four 'petals'.



- especially for plastics and other brittle or soft materials
- Provides a larger bearing surface, reduce the risk of crushing



RIVET DIAMETER /mm	HEAD DIAMETER /mm	HEAD HEIGHT /mm	MANDREL DIAMETER /mm	MANDREL LENGTH /mm	HOLE SIZE /mm	SHEAR /N	TENSILE /N
D1	D2	k	d	p	DRILL		
+0.08/-0.15		MAX.	MAX.	MIN.	MAX.	MIN.	MIN.
3.2	5.8-6.3	1.0	1.92	26.00	3.7	760	620
4.0	7.5-8.0	1.3	2.30	27.00	4.5	1200	1150
4.8	9.0-9.5	1.4	2.80	28.00	5.3	1690	1600

# TRI-FOLD BLIND RIVETS



## Material

- Aluminum/Aluminum

Diameter from 3.2 to 6.4 mm

Length from 14.0 to 25.0 mm

## Head Type



Dome Head



Large Flange Head

- Tri-fold type providing large bearing area at blind side
- Distribute clamp force evenly and gently onto the riveted material, suitable for soft applications
- Lightweight, all aluminum construction for corrosion resistance

Rivet Diameter /mm	Head Diameter /mm	Head Height /mm	Mandrel Diameter /mm	Mandrel Length /mm	Hole Size /mm	Shear /N	Tensile /N
D1	D2	k	d	p	Drill		
0.08/-0.15		±0.2	max.	min.		min.	min.
3.2	5.8-6.4	1.2	1.8	27	3.3-3.5	530	630
4.0	7.8-8.3	1.7	2.3	27	4.2-4.4	600	700
4.8	9.7-10.3	2	2.8	28	4.9-5.1	800	1100
	15.8-16.2	2	2.8	28	4.9-5.1	800	1100
6.4	13.7-14.3	2.7	3.8	30	6.5-6.7	2000	2600

# BULBTITE RIVETS



## Material

- Aluminum/Aluminum

Diameter from 5.2 to 7.5 mm

Length from 17.5 to 34.0 mm

- Ideal for applications where sealing is required
- Stable fixation on materials subject to vibrations.
- High tensile and shear strength
- Full aluminum construction for corrosion resistance



Rivet Diameter /mm	Head Diameter /mm	Head Height /mm	Mandrel Diameter /mm	Mandrel Length /mm	Hole Size /mm	Shear /N	Tensile /N
D1	D2	k	d	p	drill		
0.08/-0.15		max.	max.	min.		min.	min.
5.2	11.3-12.5	2.5	3	28	5.3-5.5	3004	2002
6.4	13.5-14.0	2.9	3.9	30	6.4-6.6	4200	2500
7.5	18.2-19.4	4.1	4.4	27	7.6-7.8	6230	4895

# PULL THRU(PT) RIVETS



## Material

- Steel/Steel
- Stainless steel/Steel

Color painting is available.

Diameter 3.0 mm

Length 2.1-6.3 mm



- Flush set on both sides of the application.
- No loose mandrel heads remain in the application.
- Consistent clamp force.

Rivet Diameter /mm	Head Diameter /mm	Head Diameter /mm	Mandrel Diameter /mm	Mandrel Length /mm	Hole Size /mm	Shear /N	Tensile /N
D1	DK	k	d	p	Drill		
0.05/-0.15	-0.2/+0.4	±0.2	ref.	min.		min.	min.
3.0	5.0	1.0	2.00	26.00	3.1-3.2	2300	2450

# INNERLOCK RIVETS



## Material

- Aluminum/Aluminum
- Steel/Steel
- Stainless Steel/Stainless Steel

Diameter from 4.8 to 6.4 mm

Length from 10.0 to 22.0 mm



## Head Type



Dome Head



Countersunk Head

- Mandrel mechanically locked into body
- Multi-grip capability
- High shear and tensile strength
- Excellent hole fill via radially expanded body

Rivet Diameter /mm	Head Diameter /mm	Dome		Countersunk 120°		Mandrel Length /mm	Hole Size /mm
		Head Height /mm	Mandrel Diameter /mm	Head Height /mm	Mandrel Diameter /mm		
D1	D2	k	d	k	d	p	Drill
+0.08/-0.15		max.	max.	max.	max.	min.	
4.8	9.0-10.0	2.2	3.10	8.3-8.8	1.80	27.00	4.9-5.1
6.4	12.2-13.2	3.0	4.10	10.1-10.6	2.00	28.00	6.6-6.9

D1 /mm		Aluminum /Aluminum	Steel /Steel	Stainless Steel /Steel
4.8	Shear/N	2400	5700	5700
	Tensile/N	2000	4400	4400
6.4	Shear/N	5600	10600	10500
	Tensile/N	3600	8200	8200

# MONOBOLT RIVETS



## Material

- Aluminum/Aluminum
- Steel/Steel
- Stainless Steel/Stainless Steel

Diameter from 4.8 to 6.4 mm

Length from 10.0 to 22.0 mm



## Head Type



Dome Head



Countersunk Head

- Excellent hole filling property and vibration resistant effect
- Mechanical mandrel locking mechanism which avoids damage, electric leakage or marowak sound caused by the loosening of mandrel
- Wide grip range
- High shear and tensile strength
- Visual external locking system to check whether the installation is in place

Rivet Diameter /mm	Head Diameter /mm	Dome		Countersunk 120°		Mandrel Length /mm	Hole Size /mm
		Head Height /mm	Mandrel Diameter /mm	Head Height /mm	Mandrel Diameter /mm		
D1	D2	k	d	k	d	p	Drill
+0.08/-0.15		max.	max.	max.	max.	min.	
4.8	9.0-10.0	2.2	3.10	8.3-8.8	1.80	27.00	4.9-5.1
6.4	12.2-13.2	3.0	4.10	10.1-10.6	2.00	28.00	6.6-6.9

D1 /mm		Aluminum /Aluminum	Steel /Steel	Stainless Steel /Steel
4.8	Shear/N	2400	5700	5700
	Tensile/N	2000	4400	4400
6.4	Shear/N	5600	10600	10500
	Tensile/N	3600	8200	8200

# HEMLOCK RIVETS



## Material

- Steel/Steel
- Stainless Steel/Stainless Steel

Diameter from 4.8 to 7.8 mm

Length from 9.0 to 26.5 mm

## Head Type



Dome Head

- Structural breakstem rivet: exceptional shear and tensile strength
- Interference lock formed by a splined stem, provides strong, vibration resistant joints
- Spreads the tail bearing/clamp load on the rear sheet.

Rivet Diameter /mm	Head Diameter /mm	Head Height /mm	Mandrel Diameter /mm	Mandrel Length /mm	Hole Size /mm
D1	D2	k	d	p	Drill
+0.08/-0.15	max.	max.	max.	min.	
4.8	10.2	2.5	3.10	27.00	4.9-5.1
6.4	13.4	3.5	4.20	28.00	6.6-6.9
7.8	18.0	4.2	5.20	28.00	8.1-8.3

D1 /mm		Steel /Steel	Stainless Steel /Steel
4.8	Shear/N	6200	6800
	Tensile/N	3500	4900
6.4	Shear/N	11000	14500
	Tensile/N	6400	8300
7.8	Shear/N	16000	21500
	Tensile/N	9100	12500

# GROOVED RIVETS



- Aluminum/Steel
- Diameter from 3.2 to 4.8 mm
- Length from 8.0 to 30.0 mm
- Ideal for timber, plastic or fibrous material application
- The grooves on body expand and bite into materials, create a secure hold
- Used on blind(non-drilled-through) holes, provide a solid and high quality joint

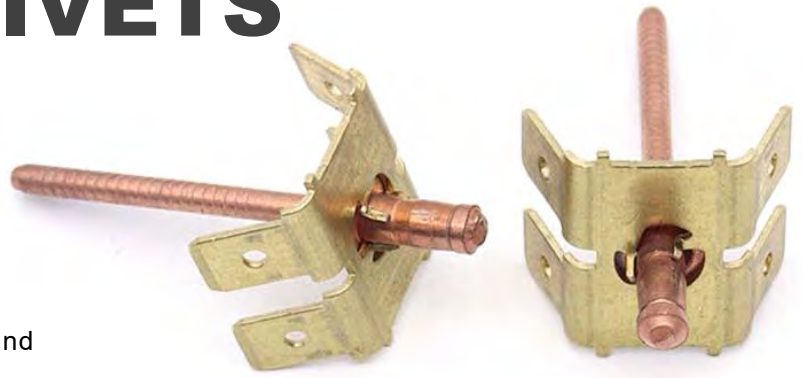


Rivet Diameter /mm	Head Diameter /mm	Head Height /mm	Mandrel Diameter /mm	Mandrel Length /mm	Hole Size /mm	Shear /N	Tensile /N
D1	D2	k	d	p	Drill		
+0.35/-0.00		max.	max.	max.		min.	min.
3.2	5.8-6.5	1.0	1.75	26.00	3.4-3.5	525 N	930 N
4.0	7.5-8.0	1.3	2.15	27.00	4.3-4.4	885 N	1410 N
4.8	9.0-9.5	1.4	2.65	28.00	5.1-5.2	1185 N	1575 N

# GROUNDING RIVETS



- Aluminum/Steel
- Diameter 4.0 mm
- Length from 10.0 to 21.0 mm
- Grounding blind rivets provide a straightforward and dependable method for grounding a product. The rivets can easily accommodate the grounding conductor, allowing it to be used with standard cable sockets for effortless grounding.



Rivet Diameter /mm	SW	TW	Mandrel Diameter /mm	Mandrel Length /mm	Hole Size /mm	Shear /N	Tensile /N
D1	SW	TW	d	p	DRILL		
+0.08/-0.15	REF.	REF.	REF.	MIN.		MIN.	MIN.
4.0	12.0	8.0	2.30	27.00	5.15-5.20	1300	1900



# LOCKBOLT

- High shear and tensile strength
- Consistent and dependable high performance in load-bearing and structural applications
- Excellent vibration resistance
- Easy installation in a wide range of applications.



## Material

- Aluminum
- Carbon Steel
- Stainless Steel

Pins (HEAD STYLE) - (MATERIAL) (DIAMETER) - (GRIP NUMBER) - (COATING) C50L

Example: C50LR-BR16-4 is a C50L HUCKBOLT fastener, Round Head, Carbon Steel, 1/2" Diameter, Grip 4

BOLT HEAD STYLE	PREFIX
Round	R
Truss	T
Stainless Cap	C
Large Truss	30
90° Flush	90
60° Flush	60

BOLT MATERIAL	CODE
Carbon Steel	BR
Aluminum special order only	
Stainless Steel available on request	

DIA.	CODE
1/2"	16
5/8"	20
3/4"	24
7/8"	28
1"	32
1-1/8"	36
1-3/8"	44

GRIP
Refer to Grip Tables

FINISH	SUFFIX
ZincPlate, Clear Chromate.0003"	G
ZincPlate, Clear Chromate.0004"	GA
Geomet-1 Coat	NP
Geomet-2 Coat	D1
Geomet-3 Coat	DL
Oil Finish	no suffix

COLLARS (COLLAR STYLE) - (MATERIAL) (DIAMETER) (COATING) (OPTIONS)

Example: LC-2R16G is a Standard Collar, Low Carbon Steel, 1/2" Diameter, Zinc Finish

COLLAR STYLE	PREFIX
Standard	LC-
Flanged	3LC-
Low Profile	8LC-
Low Profile(44)	AC-R44

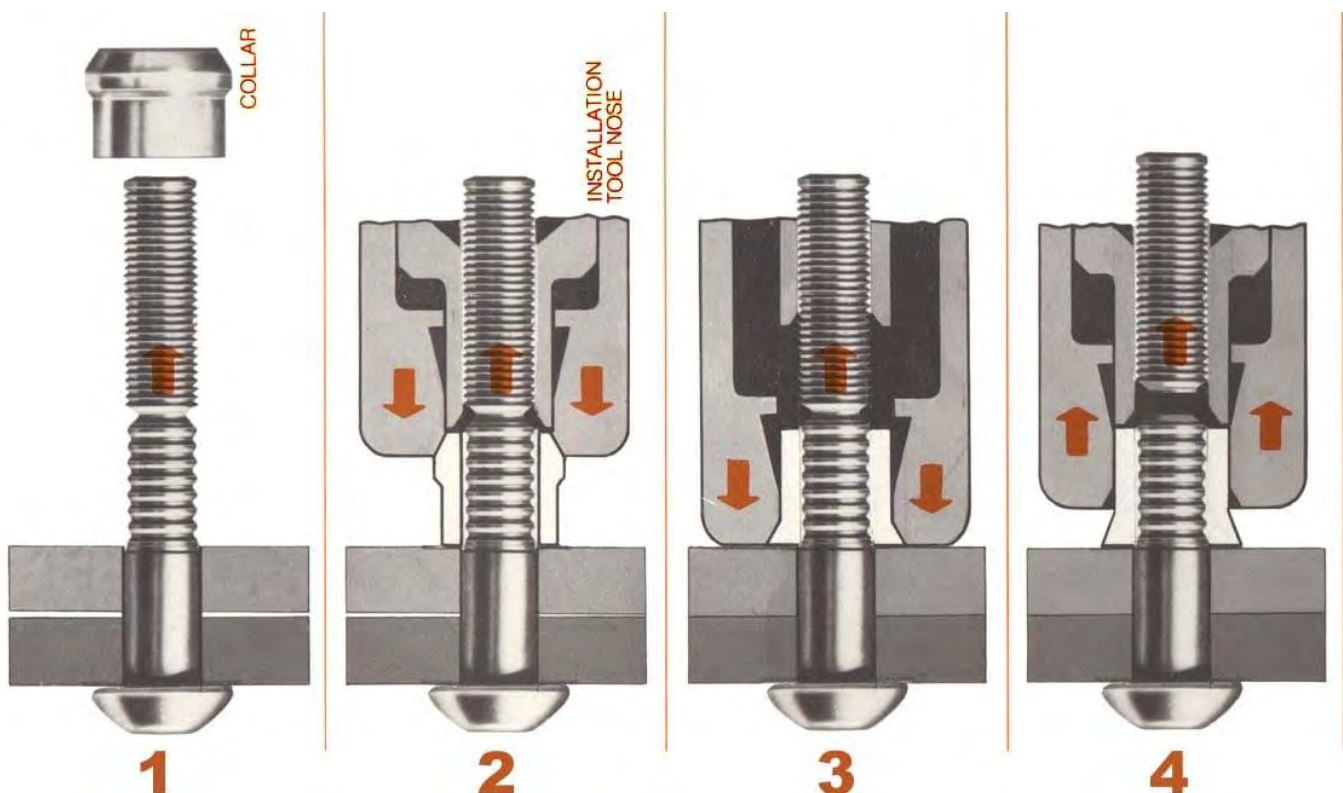
MATERIAL	CODE
Low Carbon Steel	2R
Aluminum special order only	

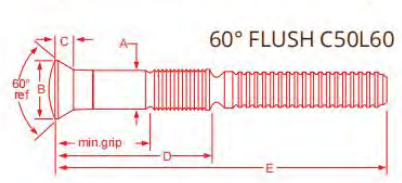
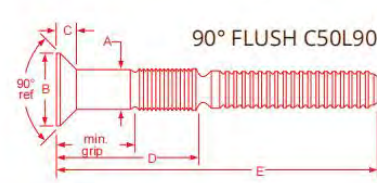
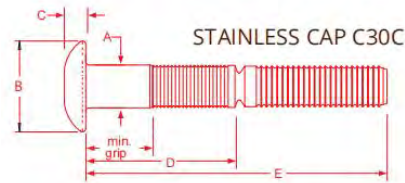
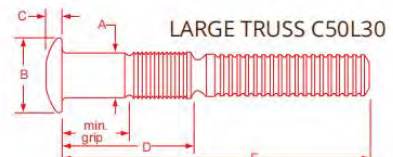
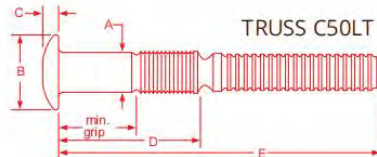
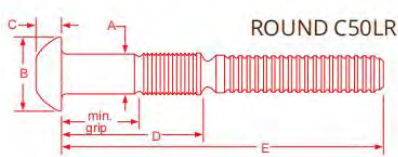
DIAMETER	CODE
1/2"	16
5/8"	20
3/4"	24
7/8"	28
1"	32
1-1/8"	36
1-3/8"	44

COATING	CODE
Zinc	G
Additional coating options available	

OPTIONS	SUFFIX
Tab-Lok	L

## Installation





### Fastener Dimensions

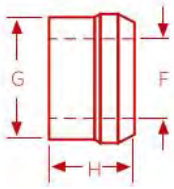
DIA.	CODE	A	ROUND HEAD		TRUSS HEAD C50LT		LARGE TRUSS HEAD C50L30		90°FLUSH HEAD		STAINLESS STEEL CAPPED HEAD		60° FLUSH C50L60	
			B	C	B	C	B	C	B	C	B	C	B	C
1/2"	16	.493 - .515	.870- .940	.310- .320	.875- .938	.215- .260	1.027- 1.09	.251- .281	.870- .940	.225- .239	—	—	—	—
5/8"	20	.617 - .642	1.086- 1.196	.367- .432	1.086- 1.196	.267- .432	1.288- 1.375	.298- .328	1.093- 1.183	.284- .300	1.33- 1.44	.33- .39	—	—
3/4"	24	.740- .770	1.328- 1.438	.455- .530	1.328- 1.438	.323- .398	—	—	1.312- 1.417	.350- .380	—	—	1.101- 1.125	.337- .357
7/8"	28	.865- .900	1.540- 1.660	.530- .580	1.540- 1.660	.395- .445	—	—	1.531- 1.655	.396- .430	—	—	1.298- 1.338	.393- .413
1"	32	1.025 - .990	1.750- 2.000	.590- .650	—	—	—	—	1.750- 1.895	.473- .501	—	—	1.478- 1.522	.454- .474
1-1/8"	36	1.095 - 1.125	2.000- 2.125	.656- .720	—	—	—	—	—	—	—	—	1.661- 1.715	.506- .526
1-3/8"	44	1.400 - 1.350	2.470- 2.590	.815- .880	—	—	—	—	2.448- 2.572	.648- .703	—	—	—	—

### Grip Tables\*

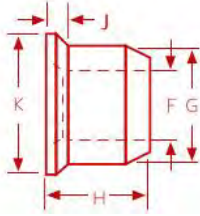
GRIP	GRIP RANGE	1/2" (16)		5/8" (20)		3/4" (24)		7/8" (28)		1" (32)		1-1/8" (36)		1-3/8" (44)
		D	E	D	E	D	E	D	E	D	E	D	E	GRIP RANGE
4	.250-500	1.213	3.172	1.433	3.656	1.518	4.156	—	—	—	—	—	—	—
8	.500-750	1.463	3.422	1.683	3.906	1.768	4.406	1.921	4.688	2.073	5.375	—	—	—
12	.750-1.000	1.713	3.672	1.933	4.156	2.018	4.656	2.171	4.938	2.323	5.625	—	—	—
16	1.000-1.250	1.963	3.922	2.183	4.406	2.268	4.906	2.421	5.188	2.573	5.875	—	—	—
20	1.250-1.500	2.213	4.172	2.433	4.656	2.518	5.156	2.671	5.438	2.823	6.125	—	—	—
24	1.500-1.750	2.463	4.422	2.683	4.906	2.768	5.406	2.921	5.688	3.073	6.375	—	—	—
28	1.750-2.000	2.713	4.672	2.933	5.156	3.018	5.656	3.171	5.938	3.323	6.625	—	—	—
32	2.000-2.250	2.963	4.922	3.183	5.406	3.268	5.906	3.421	6.188	3.573	6.875	—	—	—
36	2.250-2.500	3.213	5.172	3.433	5.656	3.518	6.156	3.671	6.438	3.823	7.125	—	—	—
40	2.500-2.750	3.463	5.422	3.683	5.906	3.768	6.406	3.921	6.688	4.073	7.375	—	—	—
44	2.750-3.000	3.713	5.672	3.933	6.156	4.018	6.656	4.171	6.938	4.323	7.625	—	—	—
48	3.000-3.250	3.963	5.922	4.183	6.406	4.268	6.906	4.421	7.188	4.573	7.875	—	—	—
52	3.250-3.500	4.213	6.172	4.433	6.656	4.518	7.156	4.671	7.438	4.823	8.125	—	—	—
56	3.500-3.750	4.463	6.422	4.683	6.906	4.768	7.406	4.921	7.688	5.073	8.375	5.25	8.563	—
60	3.750-4.000	4.713	6.672	4.933	7.156	5.018	7.656	5.171	7.938	5.323	8.625	5.5	8.813	—
64	4.000-4.250	4.963	6.922	5.183	7.406	5.268	7.906	5.421	8.188	5.573	8.875	5.75	9.063	—
68	4.250-4.500	5.213	7.172	5.433	7.656	5.518	8.156	5.671	8.438	5.823	9.125	6	9.313	—
72	4.500-4.750	5.463	7.422	5.683	7.906	5.768	8.406	5.921	8.688	6.073	9.375	6.25	9.563	—
76	4.750-5.000	5.713	7.672	5.933	8.156	6.018	8.656	—	—	6.323	9.625	6.5	9.813	—
80	5.000-5.250	5.963	7.922	—	—	—	—	—	—	6.573	9.875	6.75	1.063	—
84	5.250-5.500	—	—	—	—	—	—	—	—	6.823	1.125	7	1.313	—
88	5.500-5.750	—	—	—	—	—	—	—	—	7.073	1.375	7.25	1.563	—
92	5.750-6.000	—	—	—	—	—	—	—	—	7.323	1.625	7.5	1.813	—

Up to 34.25" Call for Data

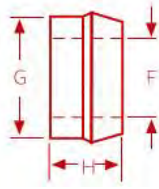
Standard-LC  
LC-2R



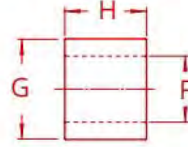
Flanged-3LC<sup>1</sup>



Low Profile-8LC<sup>2</sup>



AC-R44



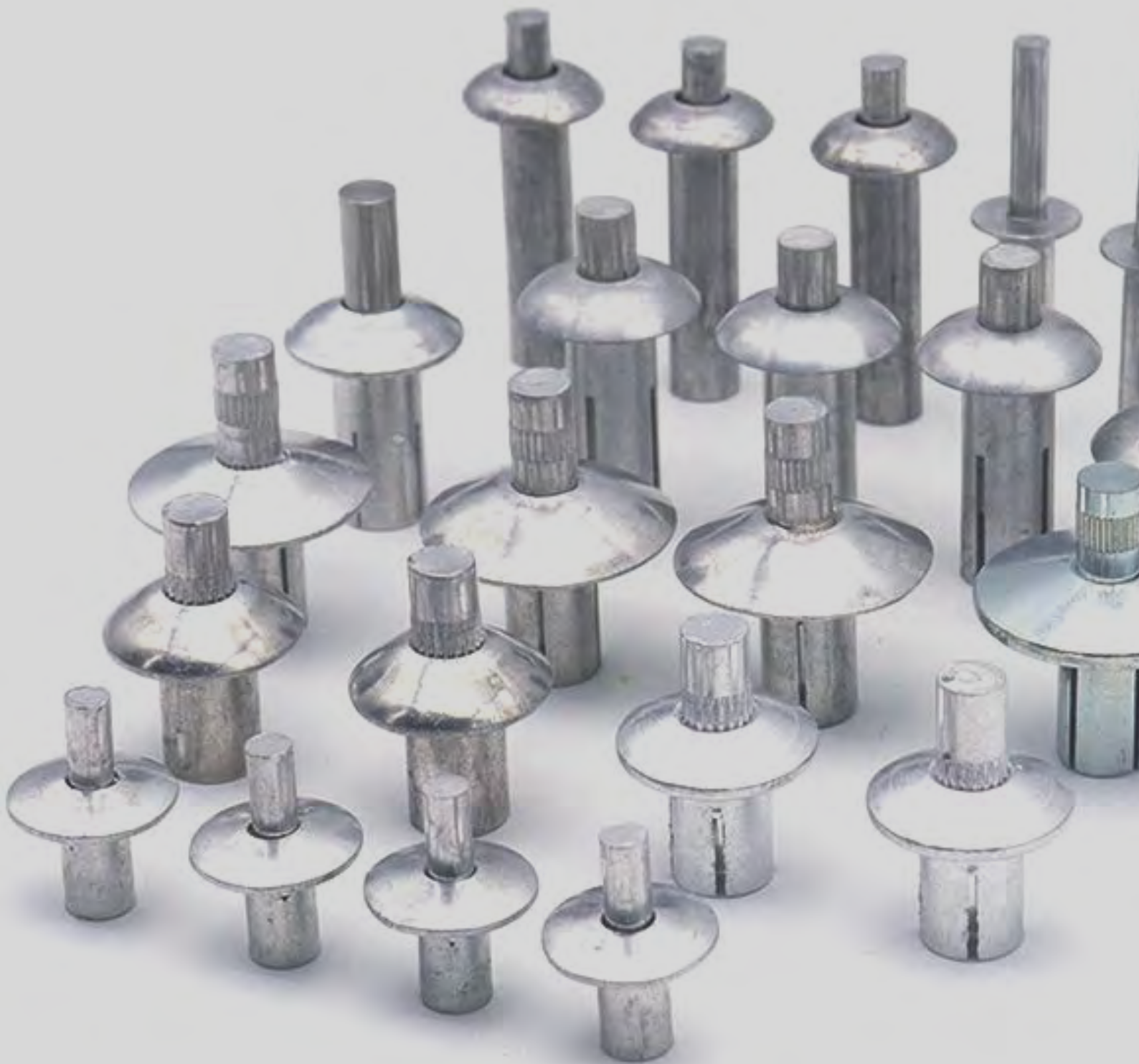
**Collar Dimensions**

STYLE	DIA.	F	G	H	J	K	L
LC	1/2"	.515-.540	.765-.800	.610-.645	—	—	—
	5/8"	.650-.665	.970-.985	.845-.875	—	—	—
	3/4"	.776-.790	1.165-1.180	.930-.960	—	—	—
	7/8"	.896-.920	1.355-1.375	1.083-1.120	—	—	—
	1"	1.030-1.050	1.550-1.575	1.235-1.280	—	—	—
	1-1/8"	1.150-1.180	1.740-1.770	1.390-1.440	—	—	—
3LC	1/2"	.510-.535	.793-.807	.726-.756	.094-.156	.969-1.031	—
	5/8"	.650-.665	.980-.996	.929-.959	.125-.187	1.218-1.281	—
	3/4"	.776-.790	1.170-1.195	1.109-1.155	.156-.218	1.480-1.525	—
	7/8"	.896-.920	1.360-1.370	1.293-1.339	.187-.250	1.570-1.615	—
	1"	1.030-1.050	1.550-1.565	1.485-1.515	.218-.281	1.843-1.906	—
	1-1/8"	1.160-1.175	1.750-1.760	1.675-1.715	.273-.289	2.105-2.145	—
8LC	1/2"	.515-.535	.780-.800	.470-.500	—	—	.140-.145
	5/8"	.640-.665	.972-.982	.670-.700	—	—	0.175
	3/4"	.775-.790	1.165-1.180	.715-.745	—	—	0.215
	7/8"	.910-.930	1.360-1.375	.833-.863	—	—	.250-.257
	1"	1.030-1.050	1.552-1.568	.950-.980	—	—	.285-.300
AC-R44	1-3/8"	1.409-1.419	2.147-2.157	1.738-1.762	—	—	—

**Installed Fastener Values**

DIA.	HOLE DATA (MAX HOLE)	CARBON STEEL PINS LC-2ROR3LC-2RCOLLARS (MINLBF)			2024C ALUMINUM PINS LC-FOR3LC-FCOLLARS (MINLBF)			6061F ALUMINUM PINS LC-IOR3LC-ICOLLARS (MINLBF)			CARBON STEEL PINS 8LC-2RCOLLARS (MINLBF)		
		SHEAR	CLAMP	TENSILE	SHEAR	CLAMP	TENSILE	SHEAR	CLAMP	TENSILE	SHEAR	CLAMP	TENSILE
1/2"	0.563	14400	12050	17050	7300	5900	7850	5300	4400	4900	14400	9650	13650
5/8"	0.688	22500	19200	27100	11400	9200	12300	8300	6900	7670	22500	15360	21700
3/4"	0.813	32400	28400	40100	16400	13300	17700	11900	9950	11040	32400	22720	32100
7/8"	0.938	43400	39250	55450	special order only						43400	31400	44350
1"	1.063	56500	51500	72700							56500	41200	58150
1-1/8"	1.188	69500	58450	82950	—	—	—	—	—	—	69500	46760	66360
1-3/8"	1.5	100000	85000	129500	—	—	—	—	—	—	—	—	—





# DRIVE RIVET

- Quick and easy riveting with a hammer
- Suitable for various materials
- Cannot be reworked
- Mandrel is locked in the body
- Strong shear strength and vibration resistant
- Blind – install from one side

# Material

- Aluminum/Aluminum
- Aluminum/Steel
- Aluminum/Stainless Steel
- Steel/Steel

Diameter from 3.2 to 9.5 mm

Length from 6.4 to 38.9 mm

# Head Type



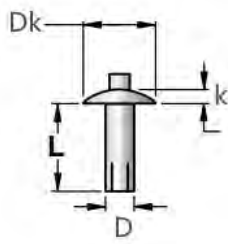
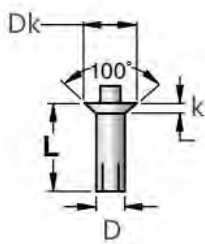
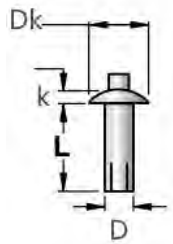
Universal Head



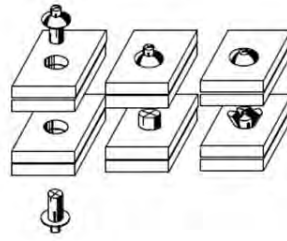
100° Countersunk Head



Brazier Head



# Installation

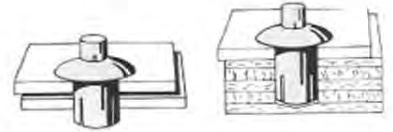


## 1. Drill A Hole

RIVET DIAMETER	1/8	5/32	3/16	1/4	5/16	3/8	1/2
HOLE DIA.	0.128	0.161	0.191	0.257	0.323	0.386	0.515

## 2. Insert A Rivet

Seat head firmly against outer surface.



In Metal

In Wood



Expanding prongs clinch sheets tightly, eliminating gaps.



Metal and wood pulled tightly together. Nothing protrudes through wood.

## 3. Hit The Pin

Drive pin flush with rivet head.

Head Type	Universal Head		100° Countersunk Head		Brazier Head		
	D	Dk	k	Dk	k	Dk	k
3.2(1/8")		6.4	1.4	5.5	1.1	7.9	1.5
4.0(5/32")						7.9	1.7
4.8(3/16")		9.5	2.0			12.0	2.4
6.4(1/4")		13.0	2.7	11.0	2.4	16.0	3.2
7.9(5/16")		16.0	3.5				
9.5(3/8")		19.0	4.2				





# RIVET NUT

# ANY RIVET NUT CAN BE SUPPLIED



**Flat Head Knurled Body  
Open End/Close End**  
Material: Stainless Steel/Carbon Steel  
Size: M3-M16



**Reduce Head Knurled Body  
Open End/Close End**  
Material: Stainless Steel/Carbon Steel  
Size: M3-M12



**Countersunk Head Knurled Body  
Open End/Close End**  
Material: Stainless Steel/Carbon Steel  
Size: M3-M12



**Flat Head Semi-Hex Body  
Open End/Close End**  
Material: Stainless Steel/Carbon Steel  
Size: M3-M12



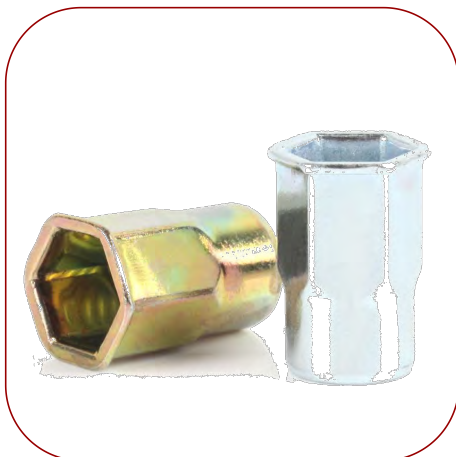
**Flat Head Full-Hex Body  
Open End/Close End**  
Material: Stainless Steel/Carbon Steel  
Size: M4-M12



**Reduce Head Full Hex Body  
Open End/Close End**  
Material: Stainless Steel/Carbon Steel  
Size: M4-M12



**Flat Head Inner-Hex Body  
Open End/Close End**  
Material: Stainless Steel/Carbon Steel  
Size: M4-M12



**Reduce Head Inner-Hex Body  
Open End/Close End**  
Material: Stainless Steel/Carbon Steel  
Size: M4-M12



**Aluminum Rivet Nut  
Open End**  
Material: Aluminum Alloy  
Size: M3-M12

# ANY RIVET NUT CAN BE SUPPLIED



**Waterproof Rivet Nut**  
**Full-Hex/Semi-Hex/Knurled Body**  
 Material: Stainless Steel/Carbon Steel  
 Size: M4-M6, Customized



**Automobile Rivet Nut**  
 Material: Carbon Steel Zn-Ni Coating  
 Size: M5-M10



**Pre-Bulbed Rivet Nut**  
 Material: Stainless Steel/Carbon Steel  
 Size: M4-M10



**Jack Nut**  
 Material: Carbon Steel  
 Size: M4-M8



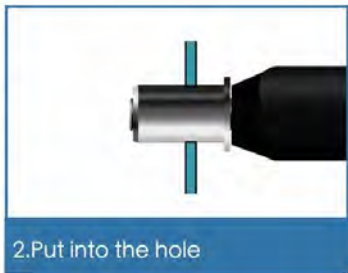
**Self Clinching Nut**  
 Material: Stainless Steel/Carbon Steel  
 Size: M2-M12, #2-1/2"



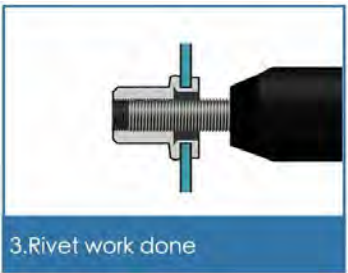
**Self Clinching Standoff**  
**Open End/Close End**  
 Material: Stainless Steel/Carbon Steel /Aluminum  
 Size: M3-M6, #4-#10



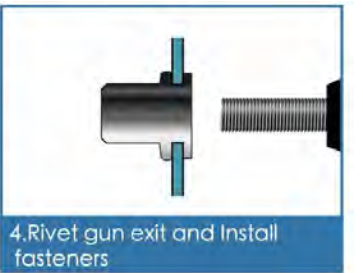
1. Put the nut on the hand riveter



2. Put into the hole



3. Rivet work done



4. Rivet gun exit and Install fasteners





# SOCIAL RESPONSIBILITY

We focus on the sustainable development of the environment and society. In the production process, we pursue green production and strive to be environmentally friendly, we regard employees as the highest quality assets of the company, pay attention to the occupational health of employees, and provide comprehensive protection for employees. Grow together with the company and share the fruits of corporate growth.



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