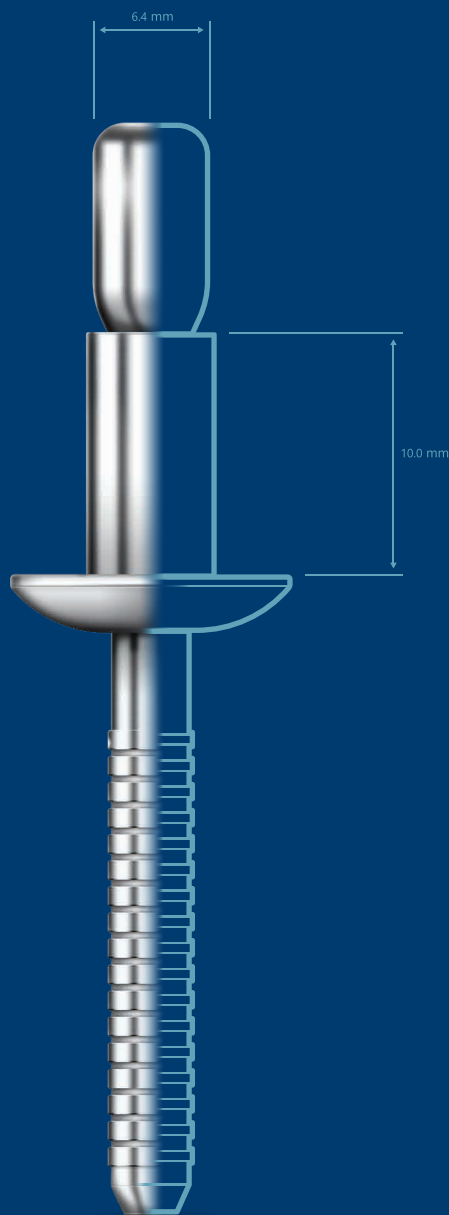



PATTA[®]



Blind Rivets

Our components, your key

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Hand Riveters HR-701 / HR-702N / HR-8000-1N



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Certifications



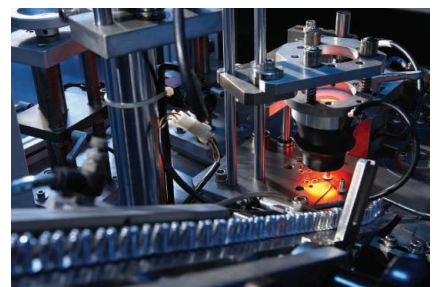
41

Packaging



42

* Technical data shown in the specification table is subject to change without prior notice as per continuous product development and improvement.





Grip Forever

Our Components, Your Key

Professional

provide expertise and know-how in fastener and construction hardware industry

Active

keep improving quality product and service to customers

Trustworthy

with 30-year experience under well-known "PATTA" brand name

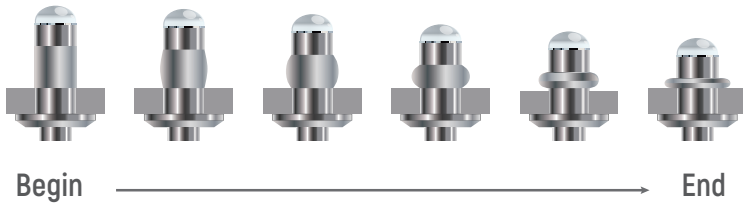
Typical

provide unique fastener problem solving

Ambitious

provide a series of activities to meet customers expectation

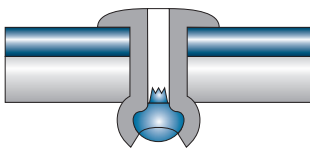
Benefits of Blind Rivet and Structural Blind Rivet



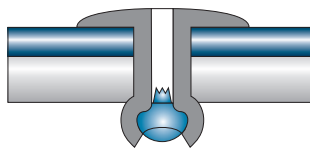
- Fast assembly
- Retained and locked stems
- Used in different materials
- Excellent hole fill capabilities
- Multi-Grip capability

Blind Rivet Overview

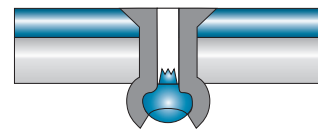
Dome Head



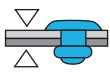
Large Flange Head



Countersunk Head

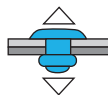


Mechanical Data



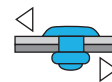
Grip Range

Grip range is the minimum to maximum total thickness of Material which can be joined properly with a blind rivet of a given length.



Tensile

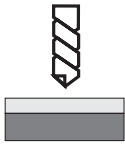
The ultimate tensile strength of blind rivet is the maximum tensile load in pound or newton.



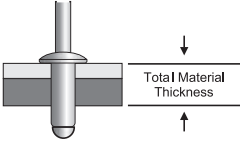
Shear

The ultimate shear strength of a blind rivet is the maximum shear load in pound or newton.

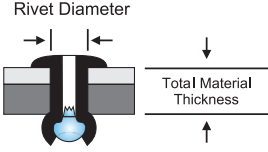
How to select the right blind rivets



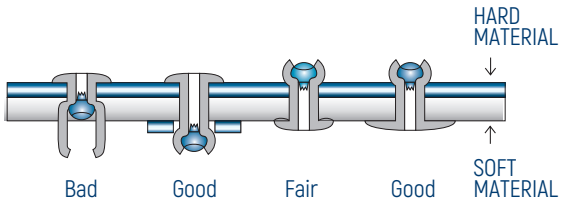
Drill Hole
 Select proper size of drilling diameter.



Length
 Select rivet length per thickness of fastened material.



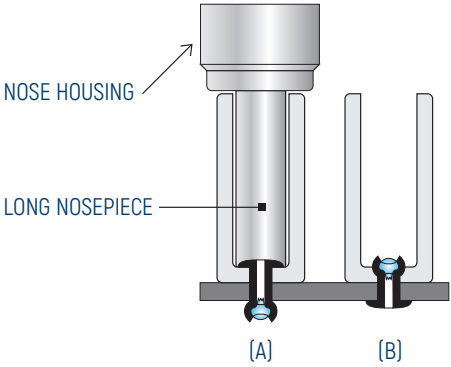
Blind Rivet Diameter and Material
 Select rivet in right diameter and material per mechanics and compatibility of fastened material.



Hard to Soft Materials
 The following illustration is a guide for using standard blind rivets to fasten hard materials to soft materials.

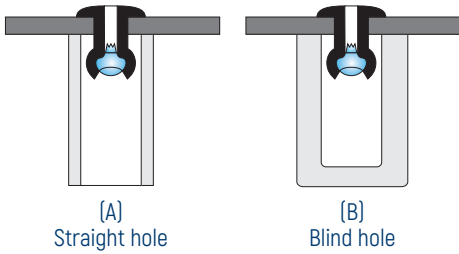


EXTEND



Channel material
 A. If the nose housing of the tool is too large in diameter to reach the bottom of channel, use a long nosepiece on the tool.
 B. Install the rivet from the opposite side.

How to Select the Right Blind Rivets



Fastening in a blind hole

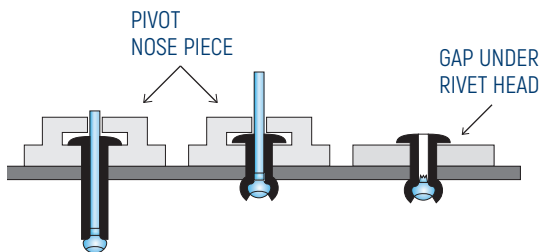
Blind rivets may be set in blind hole or milled slot. The success of this depends on the material of the parts to be riveted and the material of the rivet.



Gap Fastening

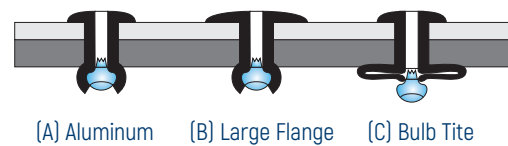
Avoid riveting unsupported internal sections which may result in collapsing, dimpling or buckling the material.

Straight hole



Pivot Fastening

When the fastened part must rotate on the rivet, a "Pivot Style" nosepiece on the rivet tool may be necessary to provide a small gap under the rivet head.



Riveting Plastic Material Select

- A. aluminum blind rivets.
- B. "Large Flange" blind rivets.
- C. "Bulb Tite" blind rivets.

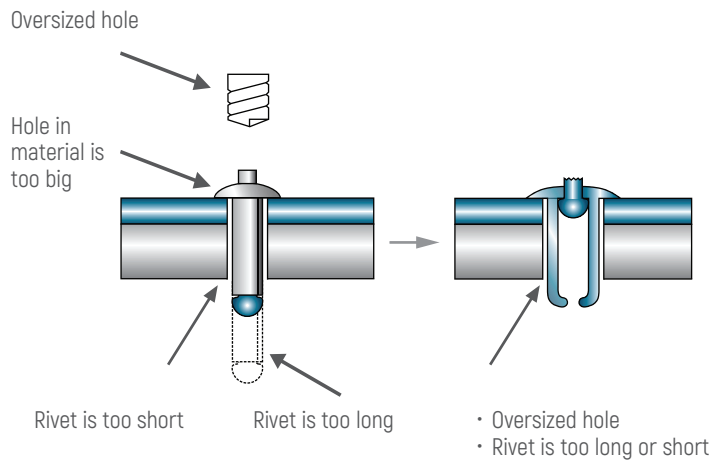
Problems & Suggested Solutions

Possible Cause

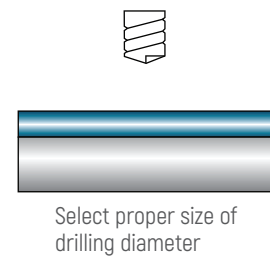
Problems

Suggested Solutions

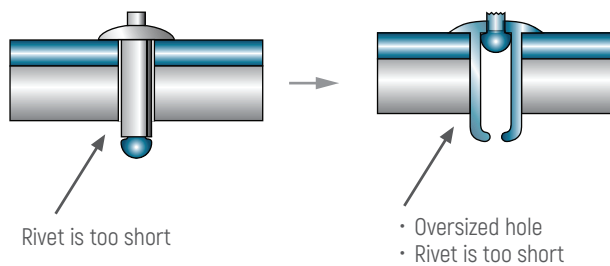
Joint Failure / Rivet Loose in Assembly



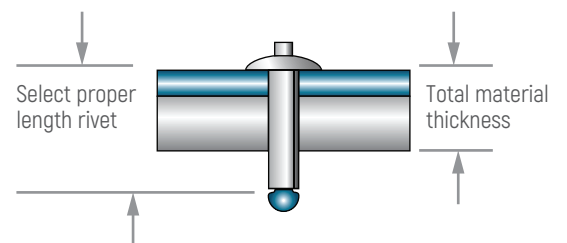
Select correct drill size for rivet



Mandrel Heads Popping Out

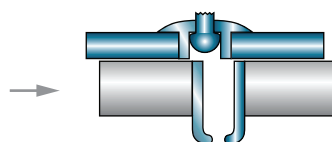
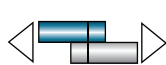


Select proper length rivet



Rivet Shearing

Select incorrect material or diameter

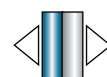


Select rivets in right diameter and material per mechanics & compatibility of fastened material

Shear



Tensile



OP Open End Blind Rivet

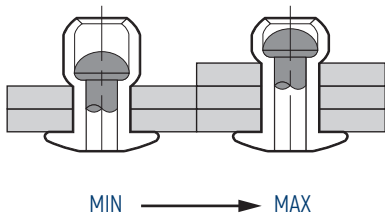
Advantage

- Strong but lower cost fastener
- Ideal for wide range of application
- Available in a variety of materials
- Dome, countersunk or large flange head styles
- Painted color finishes available to match surrounding

Applications

- Office furniture
- Automotive
- Construction
- Building
- Leather production

Setting of Open End Blind Rivet

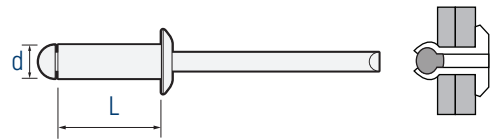


	Body	Mandrel
Material	Aluminum Alloy 5050(Mg 1.1-1.8)	Steel
	5052(Mg 2.2-2.8)	
	5154(Mg 3.1-3.9)	
	5056(Mg 4.5-5.6)	
	Aluminum Alloy 5056 (Al Mg 4.5-5.6)	Stainless Steel
	Steel	Steel
	Stainless Steel	Stainless Steel

*Aluminum standard is 5050, other material can be produced by request

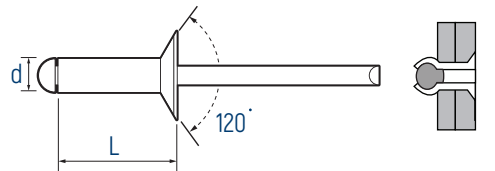
Dome Head Unset

Set



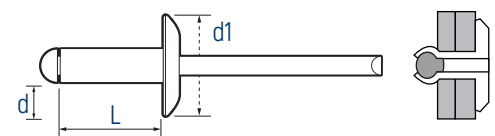
Csk Head Unset

Set



Large Flange Unset

Set



*d1: Large flange is available by order
9.5 / 12.0 / 14.0 / 16.0 / 18.0

L= Length
d= Diameter

OP Open End Blind Rivet

Aluminum Alloy / Steel



Specification

Dia(d)	Length(L)	Grip range				Shear		Tensile	
		mm/inch	mm / inch	mm / inch	mm / inch	N / lbs	N / lbs	N / lbs	
2.4(3/32") φ 2.5~2.6(.10)	ZZZ	6.4	0.25 1/4	2.5 - 4.0	0.10 - 0.16	250	56	350	79
		8.0	0.31 5/16	4.0 - 5.5	0.14 - 0.22				
		10.0	0.39 3/8	5.5 - 7.5	0.22 - 0.30				
3.2(1/8") φ 3.3~3.4(.13)	ZZZ	6.4	0.25 1/4	1.0 - 3.0	0.04 - 0.12	500	112	700	157
		8.0	0.31 5/16	3.0 - 5.0	0.12 - 0.20				
		10.0	0.39 3/8	5.0 - 6.5	0.20 - 0.26				
		11.4	0.45 7/16	6.5 - 8.0	0.26 - 0.31				
		12.7	0.50 1/2	8.0 - 9.0	0.31 - 0.35				
		14.5	0.57 9/16	9.0 - 10.5	0.35 - 0.41				
		16.0	0.63 5/8	10.5 - 12.0	0.41 - 0.47				
		19.0	0.75 3/4	12.0 - 14.5	0.47 - 0.57				
4.0(5/32") φ 4.1~4.2(.16)	ZZZ	6.4	0.25 1/4	1.0 - 2.5	0.04 - 0.10	850	191	1200	270
		8.0	0.31 5/16	2.5 - 4.0	0.08 - 0.16				
		10.0	0.39 3/8	4.0 - 6.0	0.16 - 0.24				
		11.4	0.45 7/16	6.0 - 7.5	0.24 - 0.30				
		12.7	0.50 1/2	7.5 - 8.5	0.30 - 0.33				
		14.5	0.57 9/16	8.5 - 10.0	0.33 - 0.39				
		16.0	0.63 5/8	10.5 - 11.5	0.39 - 0.45				
		19.0	0.75 3/4	11.5 - 14.0	0.45 - 0.55				
4.8(3/16") φ 4.9~5.0(.19)	ZZZ	8.0	0.25 5/16	1.5 - 3.5	0.06 - 0.14	1200	270	1700	382
		10.0	0.39 3/8	3.5 - 5.5	0.14 - 0.22				
		11.4	0.45 7/16	5.5 - 7.0	0.22 - 0.28				
		12.7	0.50 1/2	7.0 - 8.0	0.28 - 0.31				
		14.5	0.57 9/16	8.0 - 9.5	0.31 - 0.35				
		16.0	0.63 5/8	9.5 - 11.0	0.37 - 0.43				
		19.0	0.75 3/4	11.0 - 14.0	0.43 - 0.55				
		22.0	0.87 7/8	14.0 - 17.0	0.55 - 0.67				
6.4(1/4") φ 6.5~6.6(.26)	ZZZ	10.0	0.39 3/8	2.5 - 4.5	0.10 - 0.18	2200	494	3150	709
		12.7	0.50 1/2	6.0 - 7.0	0.24 - 0.28				
		14.5	0.57 9/16	7.0 - 8.5	0.28 - 0.35				
		16.0	0.63 5/8	9.0 - 10.5	0.35 - 0.41				
		19.0	0.75 3/4	10.5 - 13.5	0.41 - 0.53				
		22.0	0.87 7/8	13.5 - 16.5	0.53 - 0.65				
25.4	1.00 1	16.5 - 20.0	0.65 - 0.79						

OP Open End Blind Rivet

Aluminum Alloy / Stainless Steel



Specification

Dia(d)	Length(L)			Grip range		Shear		Tensile	
	mm/inch	mm	/ inch	mm	/ inch	N	/ lbs	N	/ lbs
3.2(1/8")	6.0	.236	1/4	0.5 - 2.5	0.02 - 0.10	750	169	1100	247
	8.0	.315	5/16	2.5 - 4.5	0.10 - 0.18				
	10.0	.394	3/8	4.5 - 6.0	0.18 - 0.24				
φ 3.3~3.4(.13)	12.0	.472	15/32	6.0 - 8.0	0.24 - 0.31	750	169	1100	247
	14.0	.551	9/16	8.0 - 10.0	0.31 - 0.39				
	6.0	.236	1/4	1.0 - 2.0	0.04 - 0.08				
4.0(5/32")	8.0	.315	5/16	2.0 - 4.0	0.08 - 0.16	1250	281	1800	405
	10.0	.394	3/8	4.0 - 6.0	0.16 - 0.24				
	12.0	.472	15/32	6.0 - 7.5	0.24 - 0.30				
φ 4.1~4.2(.16)	14.0	.551	9/16	7.5 - 9.5	0.30 - 0.37	1250	281	1800	405
	16.0	.630	5/8	9.5 - 11.0	0.37 - 0.43				
	18.0	.709	11/16	11.0 - 13.0	0.43 - 0.51				
4.8(3/16")	20.0	.787	13/16	13.0 - 15.0	0.51 - 0.59	1850	416	2600	585
	8.0	.315	5/16	1.5 - 3.0	0.06 - 0.12				
	10.0	.394	3/8	3.0 - 5.0	0.12 - 0.20				
φ 4.9~5.0(.19)	12.0	.472	15/32	5.0 - 7.0	0.20 - 0.28	1850	416	2600	585
	14.0	.551	9/16	7.0 - 9.0	0.28 - 0.35				
	16.0	.630	5/8	9.0 - 10.5	0.35 - 0.41				
6.4(1/4")	18.0	.709	11/16	10.5 - 12.0	0.41 - 0.47	3400	764	4850	1090
	20.0	.787	13/16	12.0 - 14.0	0.47 - 0.55				
	22.0	.866	7/8	14.0 - 16.0	0.55 - 0.63				
φ 6.5~6.6(.26)	25.0	.984	1	16.0 - 19.0	0.63 - 0.75	3400	764	4850	1090
	12.0	.472	15/32	3.0 - 6.0	0.12 - 0.24				
	16.0	.630	5/8	6.0 - 10.0	0.24 - 0.39				
φ 6.5~6.6(.26)	20.0	.787	13/16	10.0 - 14.0	0.39 - 0.55	3400	764	4850	1090
	25.0	.984	1	14.0 - 19.0	0.55 - 0.75				
	30.0	1.18	1-3/16	18.0 - 24.0	0.71 - 0.94				

OP Open End Blind Rivet

Steel / Steel



Specification




Dia(d)	Length(L)		Grip range		Shear		Tensile	
	mm/inch	mm / inch	mm	/ inch	N	/ lbs	N	/ lbs
3.2(1/8") ZZZ \$ 3.3~3.4(.13)	6.0	.236 1/4	0.5 - 3.0	0.02 - 0.12	1100	247	1200	270
	8.0	.315 5/16	3.0 - 5.0	0.12 - 0.20				
	10.0	.394 3/8	5.0 - 7.0	0.20 - 0.28				
	12.0	.472 15/32	7.0 - 9.0	0.28 - 0.35				
	14.0	.551 9/16	9.0 - 11.0	0.35 - 0.43				
	16.0	.630 5/8	11.0 - 13.0	0.43 - 0.51				
4.0(5/32") ZZZ \$ 4.1~4.2(.16)	6.0	.236 1/4	1.0 - 2.0	0.04 - 0.08	1700	382	2200	495
	8.0	.315 5/16	2.0 - 4.0	0.08 - 0.16				
	10.0	.394 3/8	4.0 - 6.0	0.16 - 0.24				
	12.0	.472 15/32	6.0 - 8.0	0.24 - 0.31				
	14.0	.551 9/16	8.0 - 10.0	0.31 - 0.39				
	16.0	.630 5/8	10.0 - 12.0	0.39 - 0.47				
	18.0	.709 11/16	12.0 - 14.0	0.47 - 0.55				
4.8(3/16") ZZZ \$ 4.9~5.0(.19)	20.0	.787 13/16	14.0 - 16.0	0.55 - 0.63	2900	652	3100	697
	8.0	.315 5/16	1.5 - 3.5	0.06 - 0.14				
	10.0	.394 3/8	3.5 - 5.5	0.14 - 0.22				
	12.0	.472 15/32	5.5 - 7.5	0.22 - 0.30				
	14.0	.551 9/16	7.5 - 9.5	0.30 - 0.37				
	16.0	.630 5/8	9.5 - 11.5	0.37 - 0.45				
	18.0	.709 11/16	11.5 - 13.0	0.45 - 0.51				
	20.0	.787 13/16	13.0 - 15.0	0.51 - 0.59				
6.4(1/4") ZZZ \$ 6.5~6.6(.26)	22.0	.866 7/8	15.0 - 17.0	0.59 - 0.67	4900	1102	5700	1281
	25.0	.984 1	17.0 - 19.5	0.67 - 0.77				
	10.0	.394 3/8	3.0 - 4.0	0.12 - 0.16				
	12.0	.472 15/32	4.0 - 6.0	0.16 - 0.24				
	16.0	.630 5/8	6.0 - 9.0	0.24 - 0.35				
	20.0	.787 13/16	9.0 - 13.0	0.35 - 0.51				
25.0	.984 1	13.0 - 19.0	0.51 - 0.75					
30.0	1.18 1-3/16	19.0 - 24.0	0.75 - 0.94					

OP Open End Blind Rivet

Stainless Steel / Stainless Steel



Specification

Dia(d)	Length(L)		Grip range		Shear		Tensile	
	mm/inch	mm / inch	mm	/ inch	N	/ lbs	N	/ lbs
3.2(1/8")  ϕ 3.3~3.4(.13)	6.0	.236 1/4	1.0 - 3.0	0.04 - 0.12	1900	427	2500	562
	8.0	.315 5/16	3.0 - 5.0	0.12 - 0.20				
	10.0	.394 3/8	5.0 - 7.0	0.20 - 0.28				
	12.0	.742 15/32	7.0 - 9.0	0.28 - 0.35				
	14.0	.551 9/16	9.0 - 11.0	0.35 - 0.43				
	16.0	.630 5/8	11.0 - 13.0	0.43 - 0.51				
	18.0	.709 11/16	13.0 - 15.0	0.51 - 0.59				
4.0(5/32")  ϕ 4.1~4.2(.16)	6.0	.236 1/4	1.0 - 2.0	0.04 - 0.08	2700	607	3500	787
	8.0	.315 5/16	2.0 - 4.0	0.08 - 0.16				
	10.0	.394 3/8	4.0 - 6.0	0.16 - 0.24				
	12.0	.472 15/32	6.0 - 8.0	0.24 - 0.31				
	14.0	.551 9/16	8.0 - 10.0	0.31 - 0.39				
	16.0	.630 5/8	10.0 - 12.0	0.39 - 0.47				
	18.0	.709 11/16	12.0 - 14.0	0.47 - 0.55				
4.8(3/16")  ϕ 4.9~5.0(.19)	8.0	.315 1/4	1.5 - 3.5	0.06 - 0.14	4000	899	5000	1124
	10.0	.394 3/8	3.5 - 5.5	0.14 - 0.22				
	12.0	.472 15/32	5.5 - 7.5	0.22 - 0.30				
	14.0	.551 9/16	7.5 - 9.5	0.30 - 0.37				
	16.0	.630 5/8	9.5 - 11.5	0.37 - 0.45				
	18.0	.709 11/16	11.5 - 13.0	0.45 - 0.51				
	20.0	.787 13/16	13.0 - 15.0	0.51 - 0.59				
	22.0	.866 7/8	15.0 - 17.0	0.59 - 0.67				
25.0	.984 1	17.0 - 20.0	0.67 - 0.79					

OP Painted Rivets

Steel / Steel



- Option available to color aluminum and steel type rivets.
- Three head style : (A) Dome Head / (B) Countersunk Head / (C) Large Flange Head
- All kind of RAL color are available on special request, providing a neat, Informed finish.



Color Selection

RAL Colors



► Sample colors are for reference only, Please refer to an original RAL color card for a precise color reproduction

SE Sealed Blind Rivet

Advantage

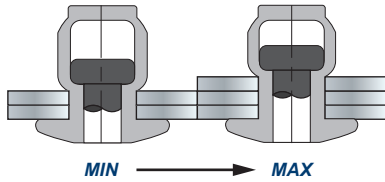
- Unique cup shaped end configuration seals tight, preventing passage of vapor or liquid through set rivet.
- Provides greater tensile and shear strength than equivalent open end mandrel retention.
- Available in a variety of materials.
- Dome or countersunk head style.

Applications

- Coach work
- Containers
- Air Conditioning
- Ship building industry & cladding

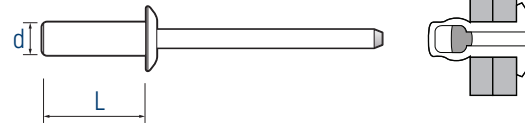


Setting of Sealed Blind Rivet



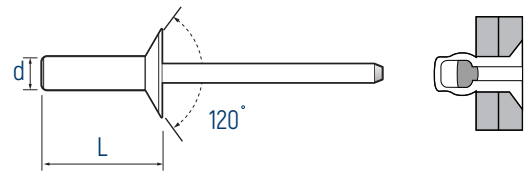
Dome Head Unset

Set



Csk Head Unset

Set



	Body	Mandrel
Material	Aluminum Alloy	Steel Stainless steel
	Stainless steel	Stainless steel
	Copper	Steel Stainless steel

*d1: Large flange is available by order
9.5 / 12.0 / 14.0 / 16.0 / 18.0

L= Length
d= Diameter

SE Sealed Blind Rivet

Aluminum / Steel



Specification

Dia(d)	Length(L)			Grip range		Shear		Tensile	
	mm/inch	mm	inch	mm	inch	N	lbs	N	lbs
3.2(1/8") □ZZZ	6.5	.256	1/4	0.5 - 2.0	0.02 - 0.08	1100	247	1450	326
	8.0	.315	5/16	2.0 - 3.5	0.08 - 0.14				
	9.5	.374	3/8	3.5 - 5.0	0.14 - 0.20				
	11.0	.433	7/16	5.0 - 6.5	0.20 - 0.26				
φ 3.3~3.4(.13)	12.5	.490	1/2	6.5 - 8.0	0.26 - 0.31	1600	360	2200	495
	8.0	.315	5/16	0.5 - 3.5	0.02 - 0.14				
	9.5	.374	3/8	3.5 - 5.0	0.14 - 0.20				
	11.0	.430	7/16	5.0 - 6.0	0.20 - 0.24				
φ 4.1~4.2(.16)	12.5	.490	1/2	6.5 - 8.0	0.26 - 0.31	2200	495	3100	697
	14.5	.571	9/16	8.0 - 10.0	0.31 - 0.39				
	8.5	.330	5/16	0.5 - 3.5	0.02 - 0.14				
	9.5	.370	3/8	3.5 - 5.0	0.14 - 0.20				
4.8(3/16") □ZZZ	11.0	.430	7/16	5.0 - 6.0	0.20 - 0.24	2200	495	3100	697
	13.0	.510	1/2	6.5 - 8.0	0.26 - 0.31				
	14.5	.570	9/16	8.0 - 9.5	0.31 - 0.37				
	16.0	.630	5/8	9.5 - 11.0	0.37 - 0.43				
φ 4.9~5.0(.19)	18.0	.710	11/16	11.0 - 13.0	0.43 - 0.51	2200	495	3100	697
	21.0	.830	13/16	13.0 - 16.0	0.51 - 0.63				
	25.0	.980	1	16.0 - 20.0	0.63 - 0.79				

SE Sealed Blind Rivet

Cooper / Steel



Specification

Dia(d)	Length(L)		Grip range		Shear		Tensile	
	mm/inch	mm / inch	mm	/ inch	N	/ lbs	N	/ lbs
3.2(1/8") ☞☞☞☞	6.5	.256 1/4	0.5 - 2.0	0.02 - 0.08	1100	247	1450	326
	8.0	.315 5/16	2.0 - 3.5	0.08 - 0.14				
	9.5	.374 3/8	3.5 - 5.0	0.14 - 0.20				
	11.0	.433 7/16	5.0 - 6.5	0.20 - 0.26				
φ 3.3~3.4(.13)	12.5	.490 1/2	6.5 - 8.0	0.26 - 0.31	1600	360	2200	495
	8.0	.315 5/16	0.5 - 3.5	0.02 - 0.14				
	9.5	.374 3/8	3.5 - 5.0	0.14 - 0.20				
	11.0	.430 7/16	5.0 - 6.0	0.20 - 0.24				
φ 4.1~4.2(.16)	12.5	.490 1/2	6.5 - 8.0	0.26 - 0.31	2200	495	3100	697
	14.5	.571 9/16	8.0 - 10.0	0.31 - 0.39				
	8.5	.330 5/16	0.5 - 3.5	0.02 - 0.14				
	9.5	.370 3/8	3.5 - 5.0	0.14 - 0.20				
4.8(3/16") ☞☞☞☞	11.0	.430 7/16	5.0 - 6.0	0.20 - 0.24	2200	495	3100	697
	13.0	.510 1/2	6.5 - 8.0	0.26 - 0.31				
	14.5	.570 9/16	8.0 - 9.5	0.31 - 0.37				
	16.0	.630 5/8	9.5 - 11.0	0.37 - 0.43				
	18.0	.710 11/16	11.0 - 13.0	0.43 - 0.51				
	21.0	.830 13/16	13.0 - 16.0	0.51 - 0.63				
φ 4.9~5.0(.19)	25.0	.980 1	16.0 - 20.0	0.63 - 0.79				

SE Sealed Blind Rivet

Stainless steel / Stainless Steel



Specification

Dia(d)	Length(L)			Grip range		Shear		Tensile	
	mm/inch	mm	inch	mm	inch	N	lbs	N	lbs
3.2(1/8") ZZZ	6.0	.240	1/4	0.5 - 1.5	0.02 - 0.06	2000	449	2200	494
	8.0	.310	5/16	1.5 - 3.0	0.06 - 0.12				
	10.0	.390	3/8	3.0 - 5.0	0.12 - 0.20				
	12.0	.470	15/32	5.0 - 6.5	0.20 - 0.26				
φ 3.3~3.4(.13)	14.0	.550	9/16	6.5 - 8.0	0.26 - 0.31	3000	674	3500	787
	6.0	.240	1/4	0.5 - 1.5	0.02 - 0.06				
4.0(5/32") ZZZ	8.0	.310	5/16	1.5 - 3.0	0.06 - 0.12	3000	674	3500	787
	10.0	.390	3/8	3.0 - 5.0	0.12 - 0.20				
	12.0	.470	15/32	5.0 - 6.5	0.20 - 0.24				
	14.0	.550	9/16	6.5 - 8.0	0.24 - 0.31				
φ 4.1~4.2(.16)	16.0	.630	5/8	8.0 - 11.0	0.31 - 0.43	4000	899	4400	989
	8.0	.310	5/16	0.5 - 3.0	0.02 - 0.12				
4.8(3/16") ZZZ	10.0	.390	3/8	3.0 - 5.0	0.12 - 0.20	4000	899	4400	989
	12.0	.470	15/32	5.0 - 6.5	0.20 - 0.26				
	16.0	.630	5/8	6.5 - 9.0	0.26 - 0.35				
φ 4.9~5.0(.19)	20.0	.790	13/16	9.0 - 12.0	0.35 - 0.47				

DG Multi-Grip Blind Rivet DG-Series

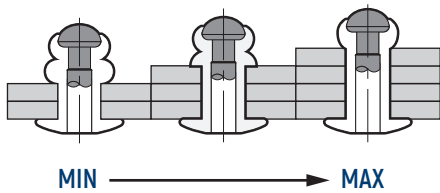
Advantage

- Optimum clamp-up force
- Accommodates oversized and irregular sized holes
- High mandrel head retention
- Vibration and moisture resistant
- Reduced inventory, it can replace open type up to the size

Applications

- Plastics
- Automotive
- Furniture industry

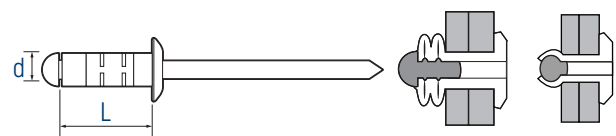
Setting of Multi-Grip Blind Rivet



	Body	Mandrel
Material	Aluminum Alloy	Steel
Finish	Polished	Zinc Plated

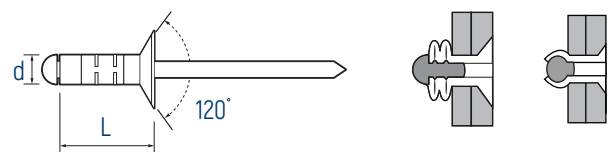
Dome Head Unset

Set



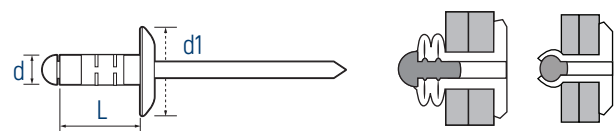
Csk Head Unset

Set



Large Head Unset

Set



*d1: Large flange is available by order
9.5 / 12.0 / 14.0 / 16.0 / 18.0

L= Length
d= Diameter

DG Multi-Grip Blind Rivet DG-Series

Aluminum Alloy / Steel



Specification

Dia(d)	Length(L)		Grip range		Shear		Tensile	
	mm/inch	mm / inch	mm	/ inch	N	/ lbs	N	/ lbs
3.2(1/8") ZZZ φ 3.3~3.4(.13)	8.0	.310 5/16	0.8 - 4.8	0.03 - 0.19	600	135	900	202
	9.5	.370 3/8	1.2 - 6.3	0.05 - 0.25				
	11.0	.430 7/16	4.0 - 7.9	0.16 - 0.31				
	13.5	.530 17/32	5.5 - 9.5	0.22 - 0.37				
4.0(5/32") ZZZ φ 4.1~4.2(.16)	8.0	.310 5/16	0.8 - 4.7	0.03 - 0.19	900	202	1400	315
	9.8	.390 25/64	1.2 - 6.3	0.05 - 0.25				
	13.0	.510 33/64	5.0 - 9.5	0.20 - 0.37				
	16.5	.650 21/32	8.0 - 12.7	0.31 - 0.50				
4.8(3/16") ZZZ φ 4.9~5.0(.19)	11.0	.430 7/16	1.6 - 6.3	0.06 - 0.25	1300	292	2100	472
	15.5	.610 5/8	4.8 - 11.1	0.19 - 0.44				
	17.0	.670 11/16	6.5 - 12.7	0.26 - 0.08				
	25.0	.980 1	14.5 - 19.8	0.57 - 0.78				

MG Multi-Grip Blind Rivet MG-Series

Steel / Steel



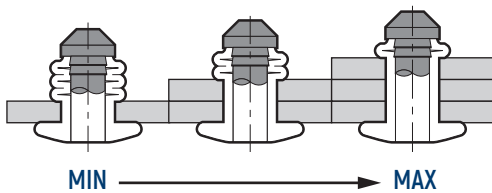
Advantage

- Optimum clamp-up force
- Accommodates oversized and irregular sized holes
- High mandrel head retention
- Vibration and moisture resistant
- Reduced inventory, it can replace open type up to the size

Applications

- Plastics
- Automotive
- Furniture industry

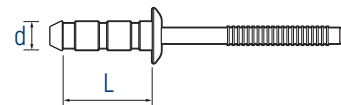
Setting of Multi-Grip Blind Rivet



	Body	Mandrel
Material	Steel	Steel
Finish	Zinc Plated	Zinc Plated

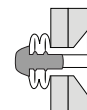
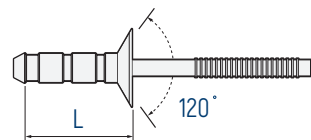
Dome Head Unset

Set



Csk Head Unset

Set



L= Length
d= Diameter

Specification

Dia(d)		Length(L)			Grip range		Shear		Tensile	
		mm/inch	mm	inch	mm	inch	N	lbs	N	lbs
3.2(1/8")	▨▨▨▨	11.0	.430	7/16	1.0 - 6.0	0.04 - 0.24	900	202	1200	270
φ 3.3~3.4(.13)										
4.0(5/32")	▨▨▨▨	13.0	.510	1/2	2.0 - 8.0	0.08 - 0.31	1500	337	1800	404
φ 4.1~4.2(.17)										
4.8(3/16")	▨▨▨▨	10.0	.390	3/8	1.5 - 5.1	0.06 - 0.20	2600	584	2900	652
		11.0	.430	7/16	1.5 - 6.3	0.06 - 0.25				
		14.0	.550	9/16	1.5 - 9.0	0.06 - 0.35				
		17.5	.690	11/16	6.3 - 12.7	0.25 - 0.50				
φ 4.9~5.0(.19)										

MG Multi-Grip Blind Rivet MG-Series

Stainless Steel / Stainless steel



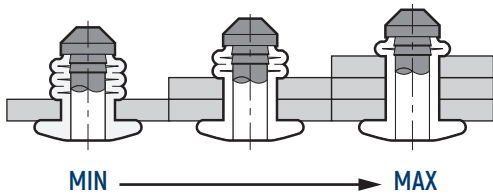
Advantage

- Optimum clamp-up force
- Accommodates oversized and irregular sized holes
- High mandrel head retention
- Vibration and moisture resistant
- Reduced inventory, it can replace open type up to the size

Applications

- Plastics
- Automotive
- Furniture industry

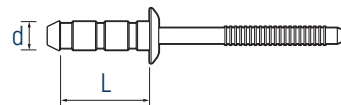
Setting of Multi-Grip Blind Rivet



	Body	Mandrel
Material	Stainless Steel	Stainless Steel
Finish	Polished	Polished

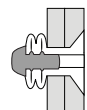
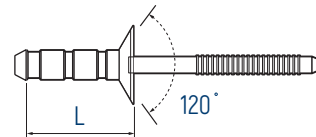
Dome Head Unset

Set



Csk Head Unset

Set



L= Length
d= Diameter

Specification

Dia(d)		Length(L)		Grip range		Shear		Tensile	
		mm/inch	mm / inch	mm / inch	N / lbs	N / lbs			
3.2(1/8") φ 3.3~3.4(.13)		11.0	.430 7/16	1.0 - 6.0 0.04 - 0.24	1600 360	1900 427			
4.0(5/32") φ 4.1~4.2(.17)		13.0	.510 1/2	2.0 - 8.0 0.08 - 0.31	2400 539	3200 719			
4.8(3/16") φ 4.9~5.0(.19)		14.0	.550 9/16	1.5 - 9.0 0.06 - 0.35	4100 921	4500 1011			

HK High Strength Blind Rivet HK-Lok

Steel / Steel



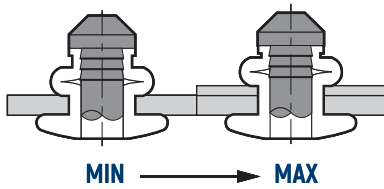
Advantage

- Locked, rattle free mandrel.
- Superior shear and tensile strength, soft and brittle materials inclusive.
- Provides excellent integrity.
- Fills irregular holes.

Applications

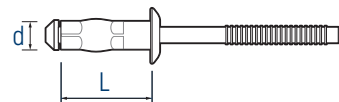
- Automotive industry
- Truck building
- Construction work
- Coach work

Setting of High Strength Blind Rivet



	Body	Mandrel
Material	Steel	Steel
Finish	Zinc Plated	Zinc Plated

Dome Head Unset



Set



L= Length
d= Diameter

Specification

Dia(d)		Length(L)		Grip range		Shear		Tensile	
		mm/inch	mm / inch	mm	/ inch	N / lbs		N / lbs	
3.2(1/8") φ 3.3~3.4(.13)	ZZZ	7.0	.280 9/32	1.0 - 3.0	0.04 - 0.12	1200	270	1300	292
		9.0	.350 11/32	3.0 - 5.0	0.12 - 0.20				
		11.0	.430 7/16	5.0 - 7.0	0.20 - 0.28				
4.0(5/32") φ 4.1~4.2(.17)	ZZZ	8.0	.310 5/16	1.0 - 3.0	0.04 - 0.12	2000	249	2200	494
		10.0	.390 3/8	3.0 - 5.0	0.12 - 0.20				
		12.0	.470 15/32	5.0 - 7.0	0.20 - 0.28				
4.8(3/16") φ 4.9~5.0(.19)	ZZZ	9.5	.350 3/8	1.5 - 3.5	0.06 - 0.14	3100	670	3300	742
		12.0	.470 15/32	3.5 - 6.0	0.14 - 0.24				
		14.5	.570 9/16	6.0 - 8.5	0.24 - 0.33				

HK High Strength Blind Rivet HK-Lok

Stainless Steel / Stainless steel



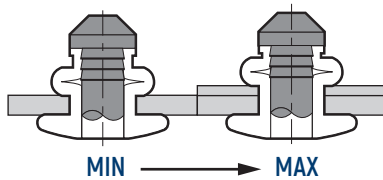
Advantage

- Locked, rattle free mandrel.
- Superior shear and tensile strength, soft and brittle materials inclusive.
- Provides excellent integrity.
- Fills irregular holes.

Applications

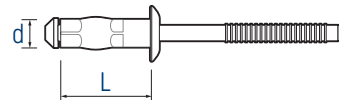
- Automotive industry
- Truck building
- Construction work
- Coach work

Setting of High Strength Blind Rivet



	Body	Mandrel
Material	Stainless Steel	Stainless Steel
Finish	Polished	Polished

Dome Head Unset



Set



L= Length
d= Diameter

Specification

Dia(d)	Length(L)	Grip range		Shear		Tensile			
		mm	inch	N	lbs	N	lbs		
3.2(1/8") φ 3.3~3.4(.13)	7.0	.280	9/32	1.0 - 3.0	0.04 - 0.12	1600	360	2000	449
	9.0	.350	11/32	3.0 - 5.0	0.12 - 0.20				
	11.0	.430	7/16	5.0 - 7.0	0.20 - 0.28				
4.0(5/32") φ 4.1~4.2(.17)	8.0	.310	5/16	1.0 - 3.0	0.04 - 0.12	2800	629	3800	854
	10.0	.390	3/8	3.0 - 5.0	0.12 - 0.20				
	12.0	.470	15/32	5.0 - 7.0	0.20 - 0.28				
4.8(3/16") φ 4.9~5.0(.19)	9.5	.350	3/8	1.5 - 3.5	0.06 - 0.14	3900	876	5000	1124
	12.0	.470	15/32	3.5 - 6.0	0.14 - 0.24				
	14.5	.570	9/16	6.0 - 8.5	0.24 - 0.33				

HP High Strength Blind Rivet HP-Lok

Steel / Steel



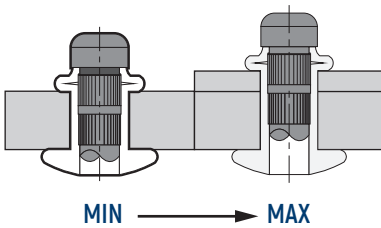
Advantage

- Locked, rattle free mandrel.
- Superior shear and tensile strength, soft and brittle materials inclusive.
- Provides excellent integrity.
- Fills irregular holes.

Applications

- Automotive industry
- Truck building
- Containers
- Construction work
- Coach work

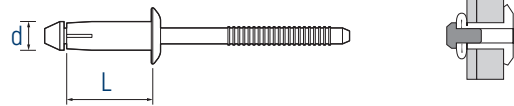
Setting of High Strength Blind Rivet



	Body	Mandrel
Material	Steel	Steel
Finish	Zinc Plated	Zinc Plated

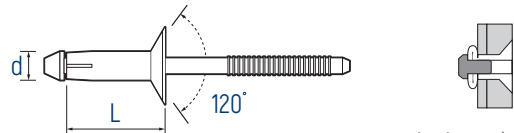
Dome Head Unset

Set



Csk Head Unset

Set



L= Length
d= Diameter

Specification

Dia(d)	Length(L)		Grip range		Shear N / lbs	Tensile N / lbs
	mm/inch	mm / inch	mm	/ inch		
6.4(1/4") ▨▨▨ ϕ 6.7~6.9(.26~.27)	9.0	.354 11/32	1.5 - 3.5	0.6 - 0.14	9212 2070	6468 1453
	10.5	.410 13/32	2.8 - 4.8	0.11 - 0.19		
	11.1	.437 2/16	3.4 - 5.4	0.13 - 0.21		
	12.5	.490 1/2	4.8 - 6.8	0.19 - 0.27		
	14.5	.570 11/6	6.8 - 8.8	0.27 - 0.35	11172 2511	
	16.5	.650 5/8	8.8 - 10.8	0.35 - 0.43		
	18.5	.730 3/4	10.8 - 12.8	0.43 - 0.50		
	20.5	.810 13/16	12.8 - 14.8	0.50 - 0.58		
	22.5	.890 7/8	14.8 - 16.8	0.58 - 0.66		
	24.5	.960 31/32	16.8 - 18.8	0.66 - 0.74		

HP High Strength Blind Rivet HP-Lok

Aluminum Alloy / Aluminum Alloy



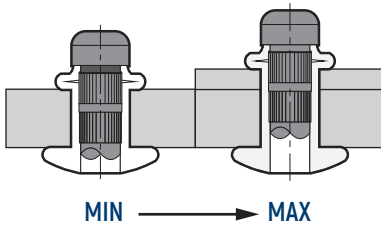
Advantage

- Locked, rattle free mandrel.
- Superior shear and tensile strength, soft and brittle materials inclusive.
- Provides excellent integrity.
- Fills irregular holes.

Applications


- Automotive industry
- Truck building
- Containers
- Construction work
- Coach work

Setting of High Strength Blind Rivet



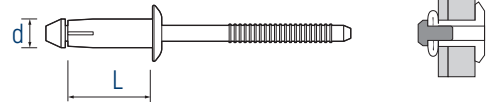
	Body	Mandrel
Material	Aluminum Alloy	Aluminum Alloy
Finish	Polished	Polished

Specification

Dia(d)	Length(L)		Grip range		Shear		Tensile	
	mm/inch	mm / inch	mm	/ inch	N / lbs		N / lbs	
6.4(1/4")  φ 6.6~6.8(.26~.27)	10.5	.410 13/32	2.8 - 4.8	0.11 - 0.19	4210	946	3427	770
	12.5	.490 1/2	4.8 - 6.8	0.19 - 0.27	4503	1012		
	14.5	.570 7/16	6.8 - 8.8	0.27 - 0.35	4503	1012		
	16.5	.650 21/32	8.8 - 10.8	0.35 - 0.43	4503	1012		
	18.5	.730 47/64	10.8 - 12.8	0.43 - 0.50	4503	1012		
	20.5	.810 13/16	12.8 - 14.8	0.50 - 0.58	4503	1012		

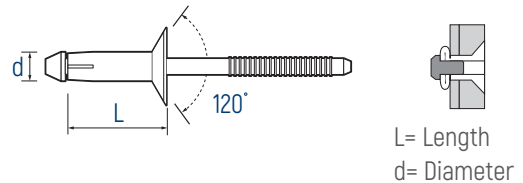
Dome Head Unset

Set



Csk Head Unset

Set



IB Anlock Bind Rivet In-Bolt

Aluminum Alloy / Aluminum Alloy



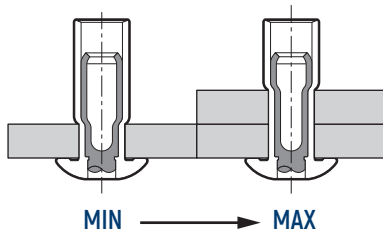
Advantage

- High shear and tensile strength
- Superior holding power (clamp up)
- Fastens over wide grip range
- Locking feature prevents loosening of mandrel from vibration

Applications

- Automotive industry
- Truck building
- Containers
- Construction work
- Coach work

Setting of Anlock Blind Rivet



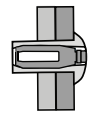
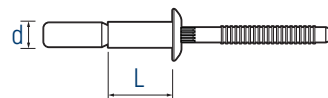
	Body	Mandrel
Material	Aluminum Alloy	Aluminum Alloy
Finish	Polished	Polished

Specification

Dia(d)		Length(L)		Grip range		Shear		Tensile	
		mm/inch	mm / inch	mm / inch	N / lbs	N / lbs			
4.8(3/16")		10.0	.390 3/8	1.57 - 6.86	0.06 - 0.27	2660	598	2000	449
φ 4.9-5.1 (.19-.20)		14.0	.550 9/16	1.57 - 11.1	0.06 - 0.44				
6.4(1/4")		14.0	.550 9/16	2.03 - 9.53	0.08 - 0.38	5780	1300	3690	829
φ 6.6-6.9 (.26-.27)		20.0	.790 13/16	2.03 - 15.88	0.08 - 0.63				

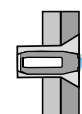
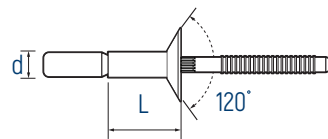
Dome Head Unset

Set



Csk Head Unset

Set



L= Length
d= Diameter

IB Anlock Bind Rivet In-Bolt

Steel / Steel



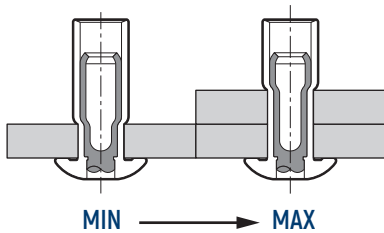
Advantage

- High shear and tensile strength
- Superior holding power (clamp up)
- Fastens over wide grip range
- Locking feature prevents loosening of mandrel from vibration

Applications

- Automotive industry
- Truck building
- Containers
- Construction work
- Coach work

Setting of Anlock Blind Rivet



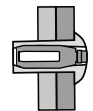
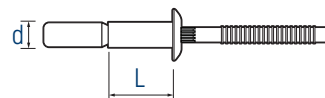
	Body	Mandrel
Material	Steel	Steel
Finish	Zinc Plated	Zinc Plated

Specification

Dia(d)		Length(L)		Grip range		Shear		Tensile	
		mm/inch	mm / inch	mm / inch	N / lbs	N / lbs			
4.8(3/16") \$ 4.9-5.1		10.0	.390 3/8	1.57 - 6.86	0.06 - 0.27	5780 1300	4440 998		
		14.0	.550 9/16	1.57 - 11.1	0.06 - 0.44				
6.4(1/4") \$ 6.6-6.9		14.0	.550 9/16	2.03 - 9.53	0.08 - 0.38	11120 2500	8220 1847		
		20.0	.790 13/16	2.03 - 15.88	0.08 - 0.63				

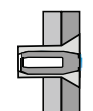
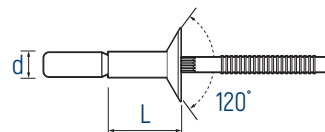
Dome Head Unset

Set



Csk Head Unset

Set



L= Length
d= Diameter

IB Anlock Bind Rivet In-Bolt

Stainless Steel / Stainless Steel



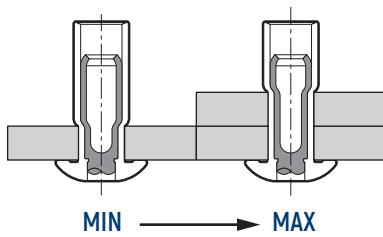
Advantage

- High shear and tensile strength
- Superior holding power (clamp up)
- Fastens over wide grip range
- Locking feature prevents loosening of mandrel from vibration

Applications

- Automotive industry
- Truck building
- Containers
- Construction work
- Coach work

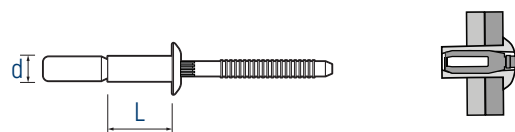
Setting of Anlock Blind Rivet



	Body	Mandrel
Material	Stainless Steel	Stainless Steel
Finish	Polished	Polished

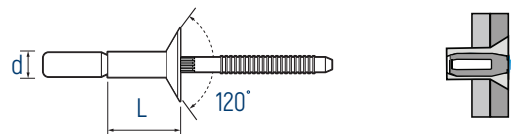
Dome Head Unset

Set



Csk Head Unset

Set



L= Length
d= Diameter

Specification

Dia(d)		Length(L)		Grip range		Shear		Tensile	
		mm/inch	mm / inch	mm	/ inch	N	/ lbs	N	/ lbs
4.8(3/16")		10.0	.390 3/8	1.57 - 6.86	0.06 - 0.27	5780	1300	4440	998
φ 4.9-5.1 (.19-.20)			14.0	.550 9/16	1.57 - 11.1	0.06 - 0.44			
6.4(1/4")		14.0	.550 9/16	2.03 - 9.53	0.08 - 0.38	10670	2398	8220	1847
φ 6.6-6.9 (.26-.28)			20.0	.790 13/16	2.03 - 15.88	0.08 - 0.63			

OB Anlock Bind Rivet Out-Bolt

Steel / Steel



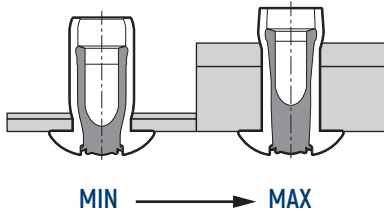
Advantage

- High shear and tensile strength
- Superior holding power (clamp up)
- Fastens over wide grip range
- Locking feature prevents loosening of mandrel from vibration

Applications

- Automotive industry
- Truck building
- Containers
- Construction work
- Coach work

Setting of Anlock Blind Rivet



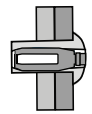
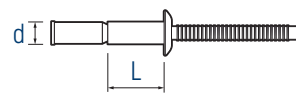
	Body	Mandrel
Material	Steel	Steel
Finish	Zinc Plated	Zinc Plated

Specification

Dia(d)		Length(L)		Grip range		Shear		Tensile	
		mm/inch	mm / inch	mm	/ inch	N / lbs	N / lbs	N / lbs	N / lbs
4.8(3/16") φ 4.9~5.0(.19~.20)		10.0	.390 3/8	1.57 - 6.86	0.06 - 0.27	5800	1303	4200	944
		14.0	.550 9/16	1.57 - 11.1	0.06 - 0.44				
6.4(1/4") φ 6.5~6.6(.26~.28)		14.0	.550 9/16	2.03 - 9.53	0.08 - 0.38	10500	2360	8200	1843
		20.0	.790 13/16	2.03 - 15.88	0.08 - 0.63				

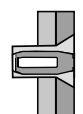
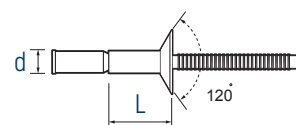
Dome Head Unset

Set



Csk Head Unset

Set



L= Length
d= Diameter

BT Bulb Tite Blind Rivet

Aluminum Alloy / Aluminum Alloy



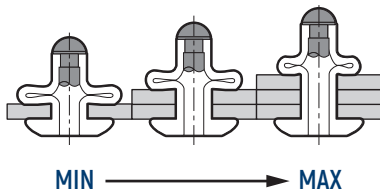
Advantage

- Resists pull-out and cracking the work piece
- Excellent for brittle and soft materials like plastics
- Extra large secondary head provides more bearing surface
- With the wide spreading tail, this rivet has a greater tolerance of oversized holes and offer a wide grip range

Applications

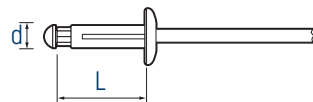
- Soft material such as wood
- Insulation
- Plastic
- Plaster boards

Setting of Bulb Tite Blind Rivet



	Body	Mandrel
Material	Aluminum Alloy	Aluminum Alloy
Finish	Polished	Polished

Dome Head Unset



Set



L= Length
d= Diameter

Specification

Dia(d)	Length(L)	Grip range		Shear	Tensile		
		mm	inch			N	lbs
4.0(5/32") φ 4.2~4.5(.17~.18)	13.6	.540	17/32	1.0 - 3.0	0.04 - 0.12	600 135	1000 225
	18.8	.740	3/4	1.0 - 7.0	0.04 - 0.28		
	20.5	.810	13/16	1.0 - 8.5	0.04 - 0.33		
	25.2	1	1	5.0 - 12.0	0.20 - 0.47		
4.8(3/16") φ 5.0~5.25(.26~.28)	16.0	.630	5/8	1.0 - 4.0	0.04 - 0.16	780 175	1070 240
	21.0	.830	13/16	1.0 - 9.0	0.04 - 0.35		
	24.0	.940	15/16	4.0 - 12.0	.016 - 0.47		

SB Structural Bulb Tite Blind Rivet

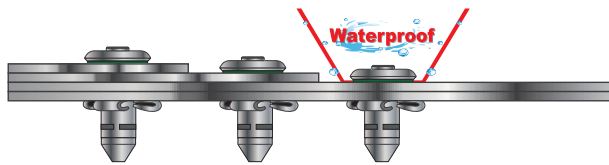
Aluminum Alloy / Aluminum Alloy

Advantage

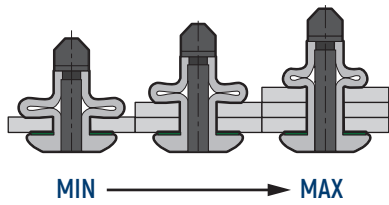
- Resists pull-out and cracking the work piece
- Provides strong, vibration resistant joints
- Split tail formation provides a vary large blind side bearing area against the rear sheet
- One fastener can often be used to replace several standard grip fasteners
- Ideal for large construction applications

Applications

- Construction
- Domestic application

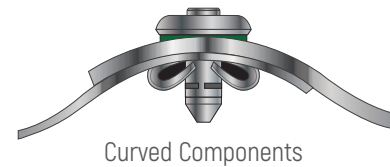
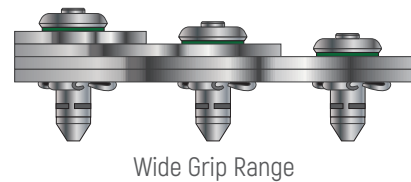
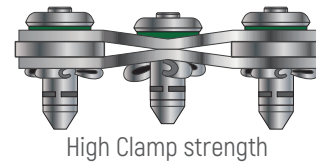
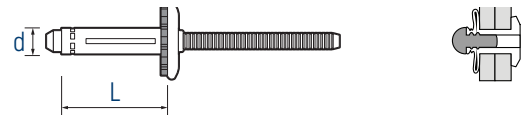


Setting of Structural Bulb Tite Blind Rivet



	Body	Mandrel
Material	Aluminum Alloy	Aluminum Alloy
Finish	Polished	Polished

Dome Head Unset



Specification

Dia(d)		Length(L)		Grip range		Shear		Tensile		
		mm/inch	mm / inch	mm	/ inch	N / lbs	N / lbs			
7.7(5/16") φ 7.8-8.2(.31~.32)		27.7	1.09	1-3/32	1.1 - 9.5	0.04 - 0.37	6650	1494	4850	1090
		34.0	1.34	1-5/16	6.35 - 15.87	0.25 - 0.62				

PE Peel Blind Rivet

Aluminum Alloy / Steel



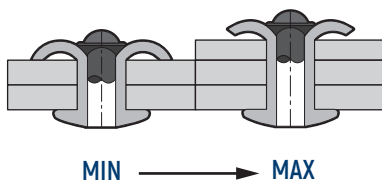
Advantage

- Provide large secondary bearing surface
- Exceptional pull-up / clamp-up properties

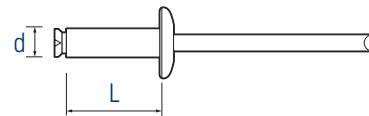
Applications

- Plasterboard
- Furniture
- Plastic-framed window properties

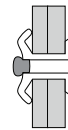
Setting of High Strength Blind Rivet



Dome Head Unset






Set



L= Length
d= Diameter

	Body	Mandrel
Material	Aluminum Alloy	Steel
Finish	Zinc Plated	Zinc Plated

Specification

Dia(d)	Length(L)		Grip range		Shear		Tensile	
	mm/inch	mm / inch	mm	inch	N / lbs		N / lbs	
3.2(1/8")  ⌀ 3.3~3.4(.13)	6.0	.240 1/4	1.0 - 2.5	0.04 - 0.10				
	8.0	.310 5/16	2.5 - 4.5	0.10 - 0.18				
	10.0	.390 3/8	4.5 - 6.5	0.18 - 0.26				
	12.0	.470 15/32	6.5 - 8.0	0.26 - 0.31	750	169	900	202
	16.0	.630 5/8	8.0 - 11.5	0.31 - 0.45				
4.0(5/32")  ⌀ 4.2(.17)	8.0	.310 5/16	1.0 - 4.0	0.04 - 0.16				
	10.0	.390 3/8	4.0 - 5.5	0.16 - 0.22				
	12.0	.470 15/32	5.5 - 7.5	0.22 - 0.30				
	16.0	.630 5/8	7.5 - 11.0	0.30 - 0.43	1250	281	1500	337
	20.0	.790 13/16	11.0 - 15.0	0.43 - 0.59				
4.8(3/16")  ⌀ 5.0(.20)	10.0	.390 3/8	2.5 - 5.0	0.10 - 0.20				
	12.0	.470 15/32	4.5 - 7.0	0.18 - 0.28				
	14.0	.550 9/16	6.5 - 9.0	0.26 - 0.35				
	16.0	.630 5/8	8.5 - 10.0	0.33 - 0.39				
	18.0	.710 11/16	9.5 - 12.0	0.37 - 0.47				
	20.0	.790 13/16	11.5 - 14.0	0.45 - 0.55	1850	416	2000	449
	25.0	.980 1	13.5 - 19.0	0.53 - 0.75				
	30.0	1.18 1-3/16	19.0 - 23.0	0.75 - 0.91				
35.0	1.38 1-3/8	23.0 - 28.0	0.91 - 1.10					
40.0	1.57 1-9/16	28.0 - 33.0	1.10 - 1.30					

DR Drive Rivet

Aluminum Alloy / Stainless steel



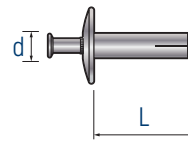
Advantage

- Easy to set
- Mandrel is locked in the body
- Various material friendly (wood, plastic, material ...etc) ss steel

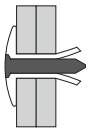
Applications

- Swimming pool liners
- Roofing
- Building
- Connection: stone, brick or concrete.....etc.

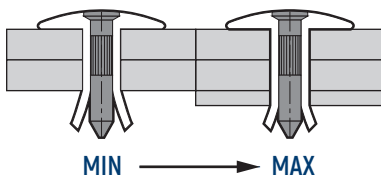
Dome Head Unset



Set



Setting of Bulb Tite Blind Rivet







	Body	Mandrel
Material	Aluminum Alloy	Stainless Steel
Finish	Polished	Polished

Specification

Dia(d)	Length(L)		Grip range		Shear N / lbs	Tensile N / lbs
	mm/inch	mm / inch	mm	inch		
4.8(3/16") □□□□ ⌀ 4.9~5.0(.19~.20)	10.0	.390 3/8	3.7 - 6.2	0.15 - 0.24	3400 764	2000 449
	16.0	.630 5/8	9.7 - 31.2	0.38 - 1.23		
	20.0	.790 13/16	13.7 - 16.2	0.54 - 0.64		
	25.0	.980 1	18.7 - 21.2	0.74 - 0.83		
	30.0	1.18 1-3/16	23.7 - 26.2	0.93 - 1.03		
	35.0	1.38 1-3/8	28.7 - 31.2	1.13 - 1.23		
	40.0	1.57 1-9/16	33.7 - 36.2	1.33 - 1.43		

PATTA Blind Rivet Index

	Features / Advantages	Materials Available
<p>OP Open End</p> <p>p.10</p> 	<ul style="list-style-type: none"> • Strong but lower cost fastener • Ideal for a wide range of applications • Available in a variety of materials • Dome, countersunk or large flange head style • Painted finishes available to match surrounding color 	<p>Aluminum / Steel</p> <p>Aluminum / Stainless steel</p> <p>Steel / Steel</p> <p>Stainless steel / Stainless steel</p>
<p>SE Sealed</p> <p>p.16</p> 	<ul style="list-style-type: none"> • Unique cup shaped end configuration seals tight • Preventing passage of vapor or liquid through set rivet • Mandrel retention • Available in a variety of materials • Dome or countersunk head style 	<p>Aluminum / Steel, Stainless Steel</p> <p>Stainless steel / Stainless steel</p> <p>Copper / Steel, Stainless steel</p>
<p>DG Multi-Grip DG-Series</p> <p>p.20</p> 	<ul style="list-style-type: none"> • Optimum clamp-up force • Accommodates oversized and irregular sized holes • High mandrel head retention • Vibration and moisture resistant 	<p>Aluminum / Steel</p>
<p>MG Multi-Grip MG-Series</p> <p>p.22</p> 	<ul style="list-style-type: none"> • Optimum clamp-up force • Accommodates oversized and irregular sized holes • High mandrel head retention • Vibration and moisture resistant 	<p>Steel/ Steel</p> <p>Stainless steel / Stainless steel</p>
<p>HK High Strength HK-Lok</p> <p>p.24</p> 	<ul style="list-style-type: none"> • Locked, rattle free mandrel • Superior shear and tensile strength, soft and brittle • Materials inclusive • Provides excellent integrity • Fills irregular holes 	<p>Steel/ Steel</p> <p>Stainless steel / Stainless steel</p>
<p>HP High Strength HP-Lok</p> <p>p.26</p> 	<ul style="list-style-type: none"> • Locked, rattle free mandrel • Superior shear and tensile strength, soft and brittle • Materials inclusive • Provides excellent integrity • Fills irregular holes 	<p>Steel/ Steel</p> <p>Aluminum / Aluminum</p>

	Features / Advantages	Materials Available
<p>IB Anlock In-Bolt p.28</p> 	<ul style="list-style-type: none"> • High shear and tensile strength • Superior holding power(clamp-up) • Fastens over wide grip range • Locking feature prevents loosening of mandrel from vibration 	<p>Aluminum / Aluminum Steel / Steel Stainless steel / Stainless steel</p>
<p>OB Anlock Out-Bolt p.31</p> 	<ul style="list-style-type: none"> • High shear and tensile strength • Superior holding power(clamp-up) • Fastens over wide grip range • Locking feature prevents loosening of mandrel from vibration 	<p>Steel / Steel</p>
<p>BT Bulb Tite p.32</p> 	<ul style="list-style-type: none"> • Resists pull-out and cracking the Work piece • Excellent for brittle and soft materials like plastics • Extra large secondary head provides more bearing surface • With the wide spreading tail, this rivet has a greater tolerance of oversized holes and offers a wide grip range 	<p>Aluminum / Aluminum</p>
<p>SB Structural Bulb Tite p.33</p> 	<ul style="list-style-type: none"> • Resists pull-out and cracking the Work piece • Provides strong, vibration resistant joints • Split tail formation provides a vary large blind side bearing area against the rear sheet • One fastener can often be used to replace several standard grip fasteners Ideal for large construction application 	<p>Aluminum / Aluminum</p>
<p>PE Peel p.34</p> 	<ul style="list-style-type: none"> • Provides large secondary bearing surface • Exceptional pull-up / clamp-up properties 	<p>Aluminum / Steel</p>
<p>DR Drive Rivet p.35</p> 	<ul style="list-style-type: none"> • Easy to set • Mandrel is locked in the body • Various materials friendly (wood, plastic, metal...etc.) 	<p>Aluminum / Stainless Steel</p>



PAR-01

Stroke	Maximum	14mm	Air consumption	@5.5kgf	1.2L	Alum / Steel	3.2(1/8)	4.0(5/32)	4.8(3/16)
Pull Force	@5.5bar / 5.5 kgf	6.0kn / 612kgf	per cucle timme			All Stell	●	●	●
Weight	kg	1.7kg	Noise	Below	75dB(A)	Stainless / Steel	●	●	
Cycle Time	Second	0.9s	Vibration	Below	2.5 m/s 2	All Stainless	●	●	
Air Presure	Minimum-maximum	5 - 7kgf (no exceeding 7kgf)							

PAR-02

Stroke	Maximum	17mm	Air consumption	@5.5kgf	2.1L	Alum / Steel	4.0(5/32)	4.8(3/16)
Pull Force	@5.5bar / 5.5 kgf	9.34kn / 953kgf	per cucle timme			All Stell	●	●
Weight	kg	2.1kg	Noise	Below	75dB(A)	Stainless / Steel	●	●
Cycle Time	Second	0.8s	Vibration	Below	2.5 m/s 2	All Stainless	●	●
Air Presure	Minimum-maximum	5 - 7kgf (no exceeding 7kgf)						

PAR-03

Stroke	Maximum	26mm	Air consumption	@5.5kgf	4.3L	Alum / Steel	4.8(3/16)	6.4(1/4)
Pull Force	@5.5bar / 5.5 kgf	12.9kn / 1316kgf	per cucle timme			All Stell	●	●
Weight	kg	2.3kg	Noise	Below	75dB(A)	Stainless / Steel	●	●
Cycle Time	Second	1.2s	Vibration	Below	2.5 m/s 2	All Stainless	●	●
Air Presure	Minimum-maximum	5 - 7kgf (no exceeding 7kgf)						

PAR-04 For Structural Rivet

Recommended for industrial Production Line
Supported Rivets: ● Production line ● General Use

AR-600 Hydraulic Air Riveter

Specialized for
Open end Alum / Steel: 2.4, 3.2, 4.0, 4.8

Specification

Weight	1.5kg
Operating Air	0.49-0.59MPa(5-6kgf/cm ² m, 71-85psi)
Dimension	255x285x80mm
Air Consumption per rivet	1.5(0.053)
Tool Stroke mm(inch)	14(35/64)
Traction power at 0.59mpa kN (kgf)	8(820)
Applicable breaks tem rivet	Φ mm: 3.2, 4.0 (2.4 jaw upon request)
	Φ inch: 1/8, 5/32



AR-800 Hydraulic Air Riveter

Specialized for
Open end Alum / Steel: 4.0, 4.8, 6.4

Specification

Weight	2kg
Operating Air	0.49-0.59MPa(5-6kgf/cm ² m, 71-85psi)
Dimension	275x315x90mm
Air Consumption per rivet	2.9(0.102)
Tool Stroke mm(inch)	16(41/64)
Traction power at 0.59mpa kN (kgf)	12(1,250)
Applicable breaks tem rivet	Φ mm: 4.0, 4.8, 6.4
	Φ inch: 5/32, 3/16, 1/4





HR-901N



HR-902N



HR-908N

HR-901N

Specification

Body made of steel Tool dimension: 10 inch / 250mm

Supported Rivet

Specialized for OP type

	2.4 mm inch	3.2 mm 1/8"	4.0 mm 5/32"	4.8 mm 3/16"
Alum / Steel	●	●	●	●

HR-902N

Specification

Aluminum alloy body Tool dimension: 10 inch / 250mm

Supported Rivet

Specialized for OP type

	2.4 mm inch	3.2 mm 1/8"	4.0 mm 5/32"	4.8 mm 3/16"
Alum / Steel	●	●	●	●
Steel / Steel	●	●	●	

HR-908N

Specification

Cross pin made by alloy steel Tool Dimension: 10 inches / 250mm

Supported Rivet

Specialized for OP type

	2.4 mm inch	3.2 mm 1/8"	4.0 mm 5/32"	4.8 mm 3/16"
Alum / Steel	●	●	●	●
Steel / Steel	●	●	●	●
SS / Steel	●	●	●	●
SS / SS	●	●	●	

HR-701



Specification

Tool Length: 11 inch / 280mm

Supported Rivet

Specialized for OP type

mm inch	2.4 3/32"	3.2 1/8"	4.0 5/32"	4.8 3/16"
Alum / Steel	●	●	●	●
Steel / Steel	●	●	●	●
SS / Steel	●	●	●	
SS / SS	●	●	●	

HR-702



Specification

Cross pin made by alloy steel

Tool Dimension: 10 inches / 250mm

Supported Rivet

Specialized for OP type

mm inch	3.2 1/8"	4.0 5/32"	4.8 3/16"	6.4 1/4"
Alum / Steel	●	●	●	●
Steel / Steel	●	●	●	
SS / Steel	●	●	●	
SS / SS	●	●	●	

HR-8000-1N



Specification

Tool Length: 12 inch / 305mm

Supported Rivet

Specialized for OP type

mm inch	3.2 1/8"	4.0 5/32"	4.8 3/16"	6.4 1/4"
Alum / Steel	●	●	●	●
Steel / Steel	●	●	●	●
SS / SS	●	●	●	

Certifications

Quality assurance is our promise to every customer

ISO 9001



ISO 9001



ISO 14001



CE Marking



TS 16949



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