



As one of the leading suppliers of corrosion-resistant standard-inch, metric and alloy steel metric fasteners, Vertex Distribution continues to set the highest standard of personalized service in the industry. In addition to our headquarters and distribution center in Pawtucket, RI, Vertex has a nationwide network of distribution facilities. The distribution centers and sales offices are conveniently located in Atlanta, Charlotte, Chicago, Cleveland, Dallas, Houston, Los Angeles and Tampa.

Vertex is proud to offer a full line of steel, aluminum and stainless steel blind rivets and back-up washers. Vertex is the only rivet supplier that is able to offer and ship stainless steel, metric and alloy metric fasteners to our customers with their rivet order. This will allow our customers to consolidate vendors and order more products from a single source. Our valued customers can consolidate freight, save time and make more profit by lowering their transaction and shipping costs.

Think VERTEX for Rivets and more...

VERTEX OPEN TYPE BLIND RIVET		PAGE
2-AS	5052 Alu./Steel	4-5
AA	Alu./Alu.	6-7
SS	Steel/Steel	8-9
BB	Stainless Steel/Stainless Steel	10-11
BS	Stainless Steel/Steel	12
VERTEX CLOSED-END TYPE BLIND RIVET		
ASF	5056 Alu./Steel	13
AAF	Alu./Alu.	13
BBF-S	Stainless Steel/Stainless Steel	14
VERTEX BACK-UP PLATES		
ABUP	Aluminum	14
SBUP	Steel	14
BBUP	Stainless Steel	14
VERTEX SPECIAL TYPE RIVET		
ASMG	Alu./Steel Multi-Grip Type	15

General Purpose Rivet (Features And Application)

Open Type

Wide rivet range. Provides strong, low cost fastenings. Open-end rivets are ideal for a wide variety of applications.

Closed-End Type or Sealed Rivets

Where fastenings have to be water or pressure tight (eg. Roofing), and 100% mandrel head retention is required. Stainless steel rivets are particularly suitable for marine and other corrosive atmospheres.

Multi-Grip Type

Wide grip range allows customer to reduce rivet inventory. Ideal for use in inconsistent holes. Multi-Grip type is valuable where components are supplied to the user with holes already punched or drilled or where the sheets to be joined are folded or curved, making it difficult to match up two holes of the correct size.

Back-up Plates

These are commonly referred to as Back-up washers. They are used when fastening soft materials or to compensate for oversize holes where access to both sides of the work is possible.

VERTEX Customized Service

Vertex offers Mill Order Programs and Stock & Release Programs customized to your needs. Contact your local sales office or visit our website:
www.vertexdistribution.com

Rivets Selection Factors To Consider

1. Joint Strength

First determine the single-joint tensile and shear values required for the application. These are functions of total joint strength, fastener spacing, rivet body material and rivet diameter. Then refer to the "Shear" and "Tensile" columns on the product, and select a VERTEX brand rivet that provides the values required.

2. Joint Thickness

Measure the total thickness of the materials to be joined. This determines the required "grip" of the rivet you select. Refer to the "Grip Range" column and select a rivet with a grip range that includes the work thickness required. Remember that insufficient rivet length will not allow proper formation of the secondary head at the back of the work.

3. Nature Of Materials

Both the rivet and the materials to be fastened will affect the ultimate joint strength. As a general rule, the rivet materials should have the same physical and mechanical properties as the materials to be fastened, because a marked dissimilarity may cause joint failure due either to material fatigue or galvanic corrosion.

4. Rivet Code

The first number indicates the rivet body diameter in thirty-seconds i.e., 5=5/32; 4=4/32 or 1/8" dia. The second number is the maximum grip range in sixteenths i.e., 6=6/16 or 3/8; 4=4/16 or 1/4". The additional letter(s) before the numbers designate type of Rivet i.e., MG=Multi-Grip, F=Closed End or Sealed.

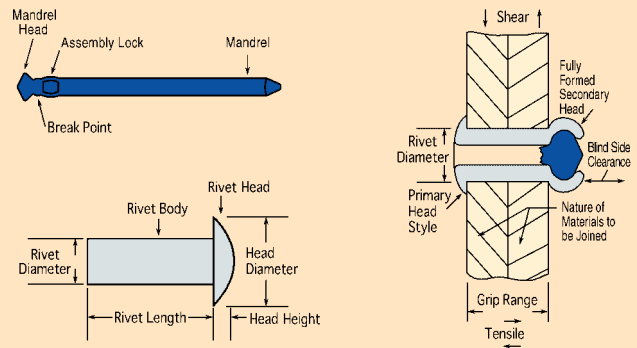
5. Head Style

The low-profile dome head is appropriate for most applications. However, when soft or brittle materials are fastened to a rigid backing member, the large flange head should be considered, because it offers twice the bearing surface. Where a flush surface is required, the countersunk head style should be selected.

6. Hole Size

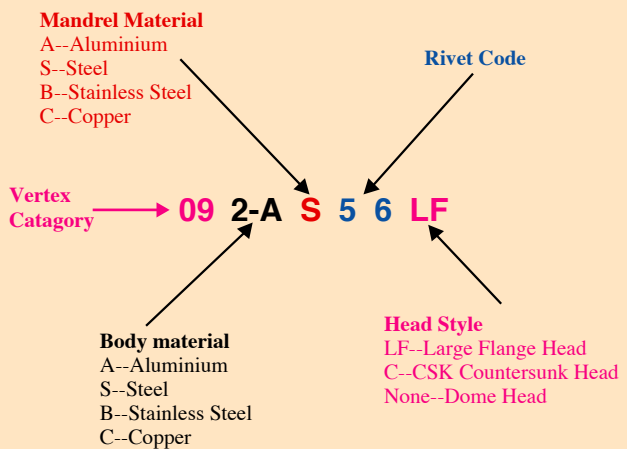
Hole size can be important in blind riveting. Too small a hole will, of course, make rivet insertion difficult. Too large a hole will reduce the shear and tensile strengths and it may even cause bulging or separation of the members by allowing the rivet to expand between them instead of on the blind side. Best practice is to follow the hole size recommendations provided. Also, avoid burrs in and around the holes.

Rivet Language



Rivet Code Definitions

OPEN-END RIVETS EXAMPLE:

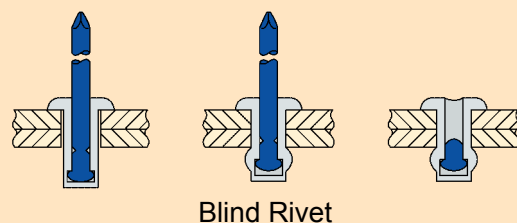


Head Styles



How Does VERTEX Blind Rivet Work ?

Shown below are stages in setting the commonly used break stem style plugged rivet



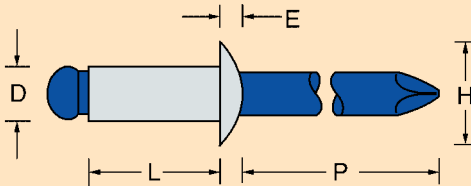
DOME HEAD

RIVET: 2-AS Series

IFI 114 Grade 18

MATERIAL:

Body : 5052 Alu.Alloy
Mandrel : Steel



FINISH:

Body : Polished
Mandrel : Zinc Plated

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Max.	Drill No.& Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
3/32" 2.4mm	2-AS32	0.020-0.125	0.5-3.2	0.250	6.4	0.188"	0.032"	#41	1.00"	70	80
	2-AS34	0.126-0.250	3.2-6.4	0.375	9.5	4.8	0.81	2.5 - 2.6	25.4	310N	360N
1/8" 3.2mm	2-AS41	0.020-0.062	0.5-1.6	0.212	5.4	0.250"	0.040"	#30	1.06"	120	150
	2-AS42	0.063-0.125	1.6-3.2	0.275	7.0						
	2-AS43	0.126-0.187	3.2-4.8	0.337	8.6						
	2-AS44	0.188-0.250	4.8-6.4	0.400	10.2						
	2-AS45	0.251-0.312	6.4-7.9	0.462	11.7						
	2-AS46	0.313-0.375	7.9-9.5	0.525	13.3						
	2-AS48	0.376-0.500	9.5-12.7	0.650	16.5						
	2-AS410	0.501-0.625	12.7-15.9	0.775	19.7						
5/32" 4.0mm	2-AS52	0.020-0.125	0.5-3.2	0.300	7.6	0.312"	0.050"	#20	1.06"	190	230
	2-AS53	0.126-0.187	3.2-4.8	0.362	9.2						
	2-AS54	0.188-0.250	4.8-6.4	0.425	10.8						
	2-AS56	0.251-0.375	6.4-9.5	0.550	14.0						
	2-AS58	0.376-0.500	9.5-12.7	0.675	17.1						
	2-AS510	0.501-0.625	12.7-15.9	0.800	20.3						
3/16" 4.8mm	2-AS62	0.020-0.125	0.5-3.2	0.325	8.3	0.375"	0.060"	#11	1.06"	260	320
	2-AS63	0.126-0.187	3.2-4.8	0.387	9.8						
	2-AS64	0.188-0.250	4.8-6.4	0.450	11.4						
	2-AS66	0.251-0.375	6.4-9.5	0.575	14.6						
	2-AS68	0.376-0.500	9.5-12.7	0.700	17.8						
	2-AS610	0.501-0.625	12.7-15.9	0.825	21.0						
	2-AS612	0.626-0.750	15.9-19.1	0.950	24.1						
	2-AS614	0.751-0.875	19.1-22.2	1.075	27.3						
2-AS616	0.876-1.000	22.2-25.4	1.200	30.5							
1/4" 6.4mm	2-AS84	0.126-0.250	3.2-6.4	0.500	12.7	0.500"	0.080"	F	1.25"	460	560
	2-AS86	0.251-0.375	6.4-9.5	0.625	15.9						
	2-AS88	0.376-0.500	9.5-12.7	0.750	19.1						
	2-AS810	0.501-0.625	12.7-15.9	0.875	22.2						
	2-AS812	0.626-0.750	15.9-19.1	1.000	25.4						
	2-AS814	0.751-0.875	19.1-22.2	1.125	28.6						
	2-AS816	0.876-1.000	22.2-25.4	1.250	31.8						

Colored rivets and other sizes available upon request. Contact us.

Millimeters(mm) and newtons(N) are in black

5050 and 5056 Aluminum Alloy body available upon request.

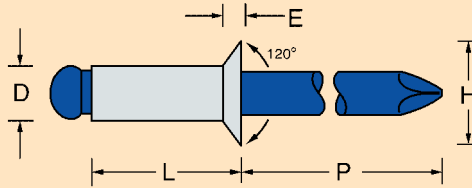
CSK HEAD

RIVET: 2-AS Series

IFI 114 Grade 18

MATERIAL:

Body : 5052 Alu.Alloy
Mandrel : Steel



FINISH:

Body : Polished
Mandrel : Zinc Plated

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Ref.	Drill No. & Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	2-AS42C	0.092-0.125	2.3-3.2	0.275	7.0	0.220" 5.6	0.031" 0.79	#30 3.3 - 3.4	1.06" 27	120 530N	150 670N
	2-AS43C	0.126-0.187	3.2-4.8	0.337	8.6						
	2-AS44C	0.188-0.250	4.8-6.4	0.400	10.2						
	2-AS46C	0.313-0.375	7.9-9.5	0.525	13.3						
	2-AS48C	0.376-0.500	9.5-12.7	0.650	16.5						
5/32" 4.0mm	2-AS54C	0.188-0.250	4.8-6.4	0.425	10.8	0.281" 7.1	0.040" 1.02	#20 4.1 - 4.2	1.06" 27	190 850N	230 1020N
	2-AS56C	0.251-0.375	6.4-9.5	0.550	14.0						
3/16" 4.8mm	2-AS63C	0.151-0.187	3.8-4.8	0.387	9.8	0.348" 8.8	0.050" 1.27	#11 4.9 - 5.0	1.06" 27	260 1160N	320 1430N
	2-AS64C	0.188-0.250	4.8-6.4	0.450	11.4						
	2-AS66C	0.251-0.375	6.4-9.5	0.575	14.6						
	2-AS68C	0.376-0.500	9.5-12.7	0.700	17.8						

Millimeters(mm) and newtons(N) are in black

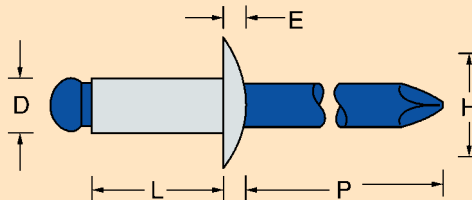
LARGE HEAD

RIVET: 2-AS Series

IFI 114 Grade 18

MATERIAL:

Body : 5052Alu.Alloy
Mandrel : Steel



FINISH:

Body : Polished
Mandrel : Zinc Plated

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Max.	Drill No. & Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	2-AS42LF	0.063-0.125	1.6-3.2	0.275	7.0	0.375" 9.5	0.065" 1.65	#30 3.3 - 3.4	1.06" 27	120 530N	150 670N
	2-AS43LF	0.126-0.187	3.2-4.8	0.337	8.6						
	2-AS44LF	0.188-0.250	4.8-6.4	0.400	10.2						
	2-AS45LF	0.251-0.312	6.4-7.9	0.462	11.7						
	2-AS46LF	0.313-0.375	7.9-9.5	0.525	13.3						
	2-AS48LF	0.376-0.500	9.5-12.7	0.650	16.5						
5/32" 4.0mm	2-AS54LF	0.188-0.250	4.8-6.4	0.425	10.8	0.468" 12.0	0.075" 1.90	#20 4.1 - 4.2	1.06" 27	190 850N	230 1020N
	2-AS56LF	0.251-0.375	6.4-9.5	0.550	14.0						
	2-AS58LF	0.376-0.500	9.5-12.7	0.675	17.1						
3/16" 4.8mm	2-AS63LF	0.126-0.187	3.2-4.8	0.387	9.8	0.625" 16.0	0.092" 2.33	#11 4.9 - 5.0	1.06" 27	260 1160N	320 1430N
	2-AS64LF	0.188-0.250	4.8-6.4	0.450	11.4						
	2-AS66LF	0.251-0.375	6.4-9.5	0.575	14.6						
	2-AS68LF	0.376-0.500	9.5-12.7	0.700	17.8						
	2-AS610LF	0.501-0.625	12.7-15.9	0.825	21.0						
	2-AS612LF	0.626-0.750	15.9-19.1	0.950	24.1						
	2-AS614LF	0.751-0.875	19.1-22.2	1.075	27.3						
	2-AS616LF	0.876-1.000	22.2-25.4	1.200	30.5						

Millimeters(mm) and newtons(N) are in black

Colored rivets and other sizes available upon request. Contact us.
5050 and 5056 Aluminum Alloy body available upon request.

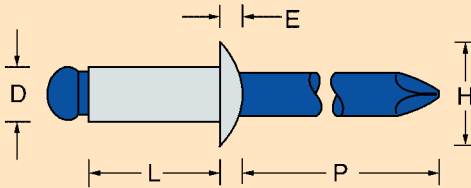
DOME HEAD

RIVET: AA Series

IFI 114 Grade 11

MATERIAL:

Body : 5052 Alu.Alloy
Mandrel : Alu.Alloy



FINISH:

Body : Polished
Mandrel : Polished

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Max.	Drill No.& Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
3/32" 2.4mm	AA32	0.020-0.125	0.5-3.2	0.250	6.4	0.188"	0.032"	#41	1.00"	70	80
	AA34	0.126-0.250	3.2-6.4	0.375	9.5	4.8	0.81	2.5 - 2.6	25.4	310N	360N
1/8" 3.2mm	AA41	0.020-0.062	0.5-1.6	0.212	5.4	0.250"	0.040"	#30	1.06"	120	150
	AA42	0.063-0.125	1.6-3.2	0.275	7.0						
	AA43	0.126-0.187	3.2-4.8	0.337	8.6						
	AA44	0.188-0.250	4.8-6.4	0.400	10.2						
	AA45	0.251-0.312	6.4-7.9	0.462	11.7						
	AA46	0.313-0.375	7.9-9.5	0.525	13.3						
	AA48	0.376-0.500	9.5-12.7	0.650	16.5						
AA410	0.501-0.625	12.7-15.9	0.775	19.7							
5/32" 4.0mm	AA52	0.020-0.125	0.5-3.2	0.300	7.6	0.312"	0.050"	#20	1.06"	190	230
	AA53	0.126-0.187	3.2-4.8	0.362	9.2						
	AA54	0.188-0.250	4.8-6.4	0.425	10.8						
	AA56	0.251-0.375	6.4-9.5	0.550	14.0						
	AA58	0.376-0.500	9.5-12.7	0.675	17.1						
AA510	0.501-0.625	12.7-15.9	0.800	20.3							
3/16" 4.8mm	AA62	0.020-0.125	0.5-3.2	0.325	8.3	0.375"	0.060"	#11	1.06"	260	320
	AA63	0.126-0.187	3.2-4.8	0.387	9.8						
	AA64	0.188-0.250	4.8-6.4	0.450	11.4						
	AA66	0.251-0.375	6.4-9.5	0.575	14.6						
	AA68	0.376-0.500	9.5-12.7	0.700	17.8						
	AA610	0.501-0.625	12.7-15.9	0.825	21.0						
	AA612	0.626-0.750	15.9-19.1	0.950	24.1						
	AA614	0.751-0.875	19.1-22.2	1.075	27.3						
	AA616	0.876-1.000	22.2-25.4	1.200	30.5						
	AA618	1.001-1.125	25.4-28.6	1.325	33.7						
AA620	1.126-1.250	28.6-31.8	1.450	36.8							
1/4" 6.4mm	AA84	0.126-0.250	3.2-6.4	0.500	12.7	0.500"	0.080"	F	1.25"	460	560
	AA86	0.251-0.375	6.4-9.5	0.625	15.9						
	AA88	0.376-0.500	9.5-12.7	0.750	19.1						
	AA810	0.501-0.625	12.7-15.9	0.875	22.2						
	AA812	0.626-0.750	15.9-19.1	1.000	25.4						
	AA814	0.751-0.875	19.1-22.2	1.125	28.6						
	AA816	0.876-1.000	22.2-25.4	1.250	31.8						

Colored rivets and other sizes available upon request. Contact us.
5050 and 5056 Aluminum Alloy body available upon request.

Millimeters(mm) and newtons(N) are in black

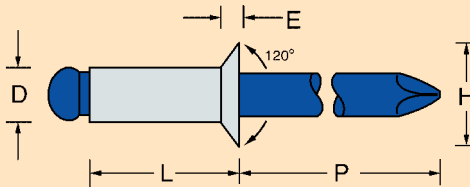
CSK HEAD

RIVET: AA Series

IFI 114 Grade 11

MATERIAL:

Body : 5052 Alu.Alloy
Mandrel : Alu.Alloy



FINISH:

Body : Polished
Mandrel : Polished

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Ref.	Drill No. & Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	AA42C	0.092-0.125	2.3-3.2	0.275	7.0						
	AA43C	0.126-0.187	3.2-4.8	0.337	8.6	0.220"	0.031"	#30	1.06"	120	150
	AA44C	0.188-0.250	4.8-6.4	0.400	10.2	5.6	0.79	3.3 - 3.4	27	530N	670N
	AA46C	0.313-0.375	7.9-9.5	0.525	13.3						
5/32" 4.0mm	AA54C	0.188-0.250	4.8-6.4	0.425	10.8	0.281"	0.040"	#20	1.06"	190	230
	AA56C	0.251-0.375	6.4-9.5	0.550	14.0	7.1	1.02	4.1 - 4.2	27	850N	1020N
3/16" 4.8mm	AA63C	0.151-0.187	3.8-4.8	0.387	9.8						
	AA64C	0.188-0.250	4.8-6.4	0.450	11.4	0.348"	0.050"	#11	1.06"	260	320
	AA66C	0.251-0.375	6.4-9.5	0.575	14.6	8.8	1.27	4.9 - 5.0	27	1160N	1430N
	AA68C	0.376-0.500	9.5-12.7	0.700	17.8						

Millimeters(mm) and newtons(N) are in black

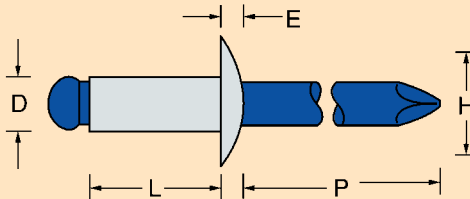
LARGE HEAD

RIVET: AA Series

IFI 114 Grade 11

MATERIAL:

Body : 5052 Alu.Alloy
Mandrel : Alu.Alloy



FINISH:

Body : Polished
Mandrel : Polished

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Max.	Drill No. & Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	AA42LF	0.063-0.125	1.6-3.2	0.275	7.0						
	AA43LF	0.126-0.187	3.2-4.8	0.337	8.6	0.375"	0.065"	#30	1.06"	120	150
	AA44LF	0.188-0.250	4.8-6.4	0.400	10.2	9.5	1.65	3.3 - 3.4	27	530N	670N
	AA46LF	0.313-0.375	7.9-9.5	0.525	13.3						
	AA48LF	0.376-0.500	9.5-12.7	0.650	16.5						
5/32" 4.0mm	AA54LF	0.188-0.250	4.8-6.4	0.425	10.8	0.468"	0.075"	#20	1.06"	190	230
	AA56LF	0.251-0.375	6.4-9.5	0.550	14.0	12.0	1.90	4.1 - 4.2	27	850N	1020N
3/16" 4.8mm	AA63LF	0.126-0.187	3.2-4.8	0.387	9.8						
	AA64LF	0.188-0.250	4.8-6.4	0.450	11.4						
	AA66LF	0.251-0.375	6.4-9.5	0.575	14.6						
	AA68LF	0.376-0.500	9.5-12.7	0.700	17.8	0.625"	0.092"	#11	1.06"	260	320
	AA610LF	0.501-0.625	12.7-15.9	0.825	21.0	16.0	2.33	4.9 - 5.0	27	1160N	1430N
	AA612LF	0.626-0.750	15.9-19.1	0.950	24.1						
	AA614LF	0.751-0.875	19.1-22.2	1.075	27.3						
	AA616LF	0.876-1.000	22.2-25.4	1.200	30.5						
	AA618LF	1.001-1.125	25.4-28.6	1.325	33.7						

Colored rivets and other sizes available upon request. Contact us.
5050 and 5056 Aluminum Alloy body available upon request.

Millimeters(mm) and newtons(N) are in black

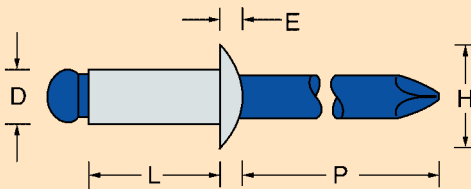
DOME HEAD

RIVET: SS Series

IFI 114 Grade 30

MATERIAL:

Body : Steel
Mandrel : Steel



FINISH:

Body : Zinc Plated
Mandrel : Zinc Plated

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Max.	Drill No.& Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
3/32" 2.4mm	SS32	0.020-0.125	0.5-3.2	0.250	6.4	0.188"	0.032"	#41	1.00"	130	170
	SS34	0.126-0.250	3.2-6.4	0.375	9.5	4.8	0.81	2.5 - 2.6	25.4	580N	760N
1/8" 3.2mm	SS41	0.020-0.062	0.5-1.6	0.212	5.4	0.250"	0.040"	#30	1.06"	260	310
	SS42	0.063-0.125	1.6-3.2	0.275	7.0						
	SS43	0.126-0.187	3.2-4.8	0.337	8.6						
	SS44	0.188-0.250	4.8-6.4	0.400	10.2						
	SS45	0.251-0.312	6.4-7.9	0.462	11.7						
	SS46	0.313-0.375	7.9-9.5	0.525	13.3						
	SS48	0.376-0.500	9.5-12.7	0.650	16.5						
SS410	0.501-0.625	12.7-15.9	0.775	19.7							
5/32" 4.0mm	SS52	0.020-0.125	0.5-3.2	0.300	7.6	0.312"	0.050"	#20	1.06"	370	470
	SS53	0.126-0.187	3.2-4.8	0.362	9.2						
	SS54	0.188-0.250	4.8-6.4	0.425	10.8						
	SS56	0.251-0.375	6.4-9.5	0.550	14.0						
	SS58	0.376-0.500	9.5-12.7	0.675	17.1						
SS510	0.501-0.625	12.7-15.9	0.800	20.3							
3/16" 4.8mm	SS62	0.020-0.125	0.5-3.2	0.325	8.3	0.375"	0.060"	#11	1.06"	540	680
	SS63	0.126-0.187	3.2-4.8	0.387	9.8						
	SS64	0.188-0.250	4.8-6.4	0.450	11.4						
	SS66	0.251-0.375	6.4-9.5	0.575	14.6						
	SS68	0.376-0.500	9.5-12.7	0.700	17.8						
	SS610	0.501-0.625	12.7-15.9	0.825	21.0						
	SS612	0.626-0.750	15.9-19.1	0.950	24.1						
	SS614	0.751-0.875	19.1-22.2	1.075	27.3						
SS616	0.876-1.000	22.2-25.4	1.200	30.5							
1/4" 6.4mm	SS82	0.020-0.125	0.5-3.2	0.375	9.5	0.500"	0.080"	F	1.25"	1000	1240
	SS84	0.126-0.250	3.2-6.4	0.500	12.7						
	SS86	0.251-0.375	6.4-9.5	0.625	15.9						
	SS88	0.376-0.500	9.5-12.7	0.750	19.1						
	SS810	0.501-0.625	12.7-15.9	0.875	22.2						
	SS812	0.626-0.750	15.9-19.1	1.000	25.4						
	SS814	0.751-0.875	19.1-22.2	1.125	28.6						
	SS816	0.876-1.000	22.2-25.4	1.250	31.8						

Colored rivets and other sizes available upon request. Contact us.

Millimeters(mm) and newtons(N) are in black

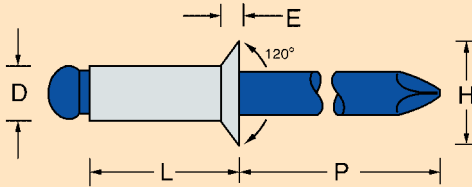
CSK HEAD

RIVET: SS Series

IFI 114 Grade 30

MATERIAL:

Body : Steel
Mandrel : Steel



FINISH:

Body : Zinc Plated
Mandrel : Zinc Plated

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Ref.	Drill No. & Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	SS42C	0.092-0.125	2.3-3.2	0.275	7.0						
	SS43C	0.126-0.187	3.2-4.8	0.337	8.6						
	SS44C	0.188-0.250	4.8-6.4	0.400	10.2	0.220"	0.031"	#30	1.06"	260	310
	SS45C	0.251-0.312	6.4-7.9	0.462	11.7	5.6	0.79	3.3 - 3.4	27	1160N	1380N
	SS46C	0.313-0.375	7.9-9.5	0.525	13.3						
	SS48C	0.376-0.500	9.5-12.7	0.650	16.5						
5/32" 4.0mm	SS54C	0.188-0.250	4.8-6.4	0.425	10.8	0.281" 7.1	0.040" 1.02	#20 4.1 - 4.2	1.06" 27	370 1650N	470 2100N
3/16" 4.8mm	SS63C	0.151-0.187	3.8-4.8	0.387	9.8	0.348"	0.050"	#11	1.06"	540	680
	SS64C	0.188-0.250	4.8-6.4	0.450	11.4	8.8	1.27	4.9 - 5.0	27	2400N	3030N
	SS66C	0.251-0.375	6.4-9.5	0.575	14.6						

Millimeters(mm) and newtons(N) are in black

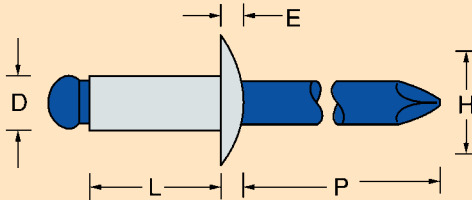
LARGE HEAD

RIVET: SS Series

IFI 114 Grade 30

MATERIAL:

Body : Steel
Mandrel : Steel



FINISH:

Body : Zinc Plated
Mandrel : Zinc Plated

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Max.	Drill No. & Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	SS42LF	0.063-0.125	1.6-3.2	0.275	7.0						
	SS43LF	0.126-0.187	3.2-4.8	0.337	8.6						
	SS44LF	0.188-0.250	4.8-6.4	0.400	10.2	0.375"	0.065"	#30	1.06"	260	310
	SS45LF	0.251-0.312	6.4-7.9	0.462	11.7	9.5	1.65	3.3 - 3.4	27	1160N	1380N
	SS46LF	0.313-0.375	7.9-9.5	0.525	13.3						
	SS48LF	0.376-0.500	9.5-12.7	0.650	16.5						
5/32" 4.0mm	SS53LF	0.126-0.187	3.2-4.8	0.362	9.2						
	SS54LF	0.188-0.250	4.8-6.4	0.425	10.8	0.468"	0.075"	#20	1.06"	370	470
	SS56LF	0.251-0.375	6.4-9.5	0.550	14.0	12.0	1.90	4.1 - 4.2	27	1650N	2100N
	SS58LF	0.376-0.500	9.5-12.7	0.675	17.1						
3/16" 4.8mm	SS64LF	0.188-0.250	4.8-6.4	0.450	11.4						
	SS66LF	0.251-0.375	6.4-9.5	0.575	14.6						
	SS68LF	0.376-0.500	9.5-12.7	0.700	17.8	0.625"	0.092"	#11	1.06"	540	680
	SS610LF	0.501-0.625	12.7-15.9	0.825	21.0	16.0	2.33	4.9 - 5.0	27	2400N	3030N
	SS612LF	0.626-0.750	15.9-19.1	0.950	24.1						
	SS614LF	0.751-0.875	19.1-22.2	1.075	27.3						
	SS616LF	0.876-1.000	22.2-25.4	1.200	30.5						

Colored rivets and other sizes available upon request. Contact us.

Millimeters(mm) and newtons(N) are in black

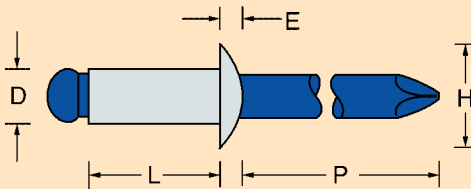
DOME HEAD

RIVET: BB Series

IFI 114 Grade 51

MATERIAL:

Body : Stainless Steel
Mandrel : Stainless Steel



FINISH:

Body : Polished
Mandrel : Polished

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Max.	Drill No.& Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
 3.2mm	BB41	0.020-0.062	0.5-1.6	0.212	5.4	0.250"	0.040"	#30	1.06"	420	530
	BB42	0.063-0.125	1.6-3.2	0.275	7.0						
	BB43	0.126-0.187	3.2-4.8	0.337	8.6						
	BB44	0.188-0.250	4.8-6.4	0.400	10.2						
	BB45	0.251-0.312	6.4-7.9	0.462	11.7						
	BB46	0.313-0.375	7.9-9.5	0.525	13.3						
	BB48	0.376-0.500	9.5-12.7	0.650	16.5						
 4.0mm	BB52	0.020-0.125	0.5-3.2	0.300	7.6	0.312"	0.050"	#20	1.06"	650	820
	BB53	0.126-0.187	3.2-4.8	0.362	9.2						
	BB54	0.188-0.250	4.8-6.4	0.425	10.8						
	BB56	0.251-0.375	6.4-9.5	0.550	14.0						
	BB58	0.376-0.500	9.5-12.7	0.675	17.1						
	BB510	0.501-0.625	12.7-15.9	0.800	20.3						
 4.8mm	BB62	0.020-0.125	0.5-3.2	0.325	8.3	0.375"	0.060"	#11	1.06"	950	1200
	BB63	0.126-0.187	3.2-4.8	0.387	9.8						
	BB64	0.188-0.250	4.8-6.4	0.450	11.4						
	BB66	0.251-0.375	6.4-9.5	0.575	14.6						
	BB68	0.376-0.500	9.5-12.7	0.700	17.8						
	BB610	0.501-0.625	12.7-15.9	0.825	21.0						
	BB612	0.626-0.750	15.9-19.1	0.950	24.1						
	BB614	0.751-0.875	19.1-22.2	1.075	27.3						
	BB616	0.876-1.000	22.2-25.4	1.200	30.5						
 6.4mm	BB84	0.126-0.250	3.2-6.4	0.500	12.7	0.500"	0.080"	F	1.25"	1700	2100
	BB86	0.251-0.375	6.4-9.5	0.625	15.9						
	BB88	0.376-0.500	9.5-12.7	0.750	19.1						
	BB810	0.501-0.625	12.7-15.9	0.875	22.2						
	BB812	0.626-0.750	15.9-19.1	1.000	25.4						

Colored rivets, other sizes, diameters and lengths available upon request. Contact us.
316 (A4) Stainless Steel rivets are available upon request.

Millimeters(mm) and newtons(N) are in black

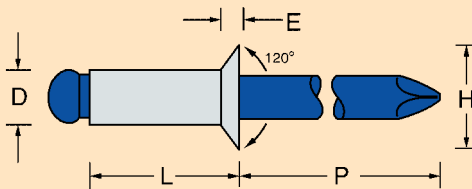
CSK HEAD

RIVET: BB Series

IFI 114 Grade 51

MATERIAL:

Body : Stainless Steel
Mandrel : Stainless Steel



FINISH:

Body : Polished
Mandrel : Polished

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Ref.	Drill No. & Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	BB42C	0.092-0.125	2.3-3.2	0.275	7.0	0.220"	0.031"	#30	1.06"	420	530
	BB43C	0.126-0.187	3.2-4.8	0.337	8.6						
	BB44C	0.188-0.250	4.8-6.4	0.400	10.2						
	BB45C	0.251-0.312	6.4-7.9	0.462	11.7						
3/16" 4.8mm	BB64C	0.188-0.250	4.8-6.4	0.450	11.4	0.348"	0.050"	#11	1.06"	950	1200
	BB66C	0.251-0.375	6.4-9.5	0.575	14.6						
	BB68C	0.376-0.500	9.5-12.7	0.700	17.8						

Millimeters(mm) and newtons(N) are in black

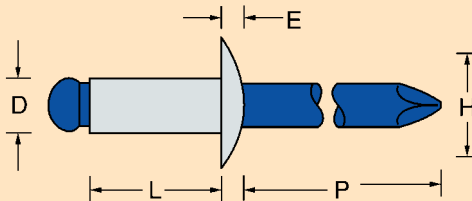
LARGE HEAD

RIVET: BB Series

IFI 114 Grade 51

MATERIAL:

Body : Stainless Steel
Mandrel : Stainless Steel



FINISH:

Body : Polished
Mandrel : Polished

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Max.	Drill No. & Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	BB42LF	0.063-0.125	1.6-3.2	0.275	7.0	0.375"	0.065"	#30	1.06"	420	530
	BB43LF	0.126-0.187	3.2-4.8	0.337	8.6						
	BB44LF	0.188-0.250	4.8-6.4	0.400	10.2						
	BB46LF	0.313-0.375	7.9-9.5	0.525	13.3						
5/32" 4.0mm	BB54LF	0.188-0.250	4.8-6.4	0.425	10.8	0.468"	0.075"	#20	1.06"	650	820
	BB56LF	0.251-0.375	6.4-9.5	0.550	14.0						
3/16" 4.8mm	BB64LF	0.188-0.250	4.8-6.4	0.450	11.4	0.625"	0.092"	#11	1.06"	950	1200
	BB66LF	0.251-0.375	6.4-9.5	0.575	14.6						
	BB68LF	0.376-0.500	9.5-12.7	0.700	17.8						
	BB610LF	0.501-0.625	12.7-15.9	0.825	21.0						
	BB612LF	0.626-0.750	15.9-19.1	0.950	24.1						
	BB616LF	0.876-1.000	22.2-25.4	1.200	30.5						

Colored rivets, other sizes, diameters and lengths available upon request. Contact us.

Millimeters(mm) and newtons(N) are in black

316 (A4) Stainless Steel rivets are available upon request.

vertex[®] STAINLESS STEEL / STEEL OPEN TYPE

DISTRIBUTION

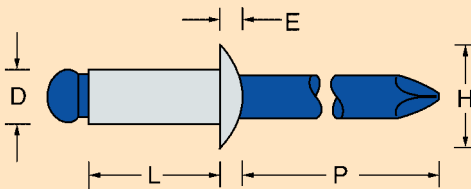
DOME HEAD

RIVET: BS Series

IFI 114 Grade 50

MATERIAL:

Body : Stainless Steel
Mandrel : Steel



FINISH:

Body : Polished
Mandrel : Zinc Plated

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Max.	Drill No.& Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	BS41	0.020-0.062	0.5-1.6	0.212	5.4	0.250" 6.4	0.040" 1.02	#30 3.3 - 3.4	1.06" 27	420 1870N	530 2360N
	BS42	0.063-0.125	1.6-3.2	0.275	7.0						
	BS43	0.126-0.187	3.2-4.8	0.337	8.6						
	BS44	0.188-0.250	4.8-6.4	0.400	10.2						
	BS45	0.251-0.312	6.4-7.9	0.462	11.7						
	BS46	0.313-0.375	7.9-9.5	0.525	13.3						
	BS48	0.376-0.500	9.5-12.7	0.650	16.5						
5/32" 4.0mm	BS52	0.020-0.125	0.5-3.2	0.300	7.6	0.312" 7.9	0.050" 1.27	#20 4.1 - 4.2	1.06" 27	650 2900N	820 3650N
	BS53	0.126-0.187	3.2-4.8	0.362	9.2						
	BS54	0.188-0.250	4.8-6.4	0.425	10.8						
	BS56	0.251-0.375	6.4-9.5	0.550	14.0						
	BS58	0.376-0.500	9.5-12.7	0.675	17.1						
	BS510	0.501-0.625	12.7-15.9	0.800	20.3						
3/16" 4.8mm	BS62	0.020-0.125	0.5-3.2	0.325	8.3	0.375" 9.5	0.060" 1.52	#11 4.9 - 5.0	1.06" 27	950 4230N	1200 5340N
	BS63	0.126-0.187	3.2-4.8	0.387	9.8						
	BS64	0.188-0.250	4.8-6.4	0.450	11.4						
	BS66	0.251-0.375	6.4-9.5	0.575	14.6						
	BS68	0.376-0.500	9.5-12.7	0.700	17.8						
	BS610	0.501-0.625	12.7-15.9	0.825	21.0						
	BS612	0.626-0.750	15.9-19.1	0.950	24.1						
	BS616	0.876-1.000	22.2-25.4	1.200	30.5						
1/4" 6.4mm	BS82	0.020-0.125	0.5-3.2	0.375	9.5	0.500" 12.7	0.080" 2.03	F 6.5 - 6.6	1.25" 32	1700 7570N	2100 9350N
	BS84	0.126-0.250	3.2-6.4	0.500	12.7						
	BS86	0.251-0.375	6.4-9.5	0.625	15.9						
	BS88	0.376-0.500	9.5-12.7	0.750	19.1						

Colored rivets, other sizes, diameters and lengths available upon request. Contact us.

Millimeters(mm) and newtons(N) are in black

316 (A4) Stainless Steel rivets are available upon request.

Countersunk and Large Head rivets available upon request. Contact us.

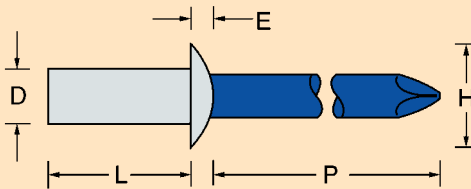
DOME HEAD

RIVET: ASF Series

IFI 126

MATERIAL:

Body : 5056 Alu.Alloy
Mandrel : Steel



FINISH:

Body : Polished
Mandrel : Phosphated

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Max.	Drill No.& Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	ASF41	0.020-0.062	0.5-1.6	0.297	7.5	0.238"	0.050"	#30	1.06"	240	280
	ASF42	0.063-0.125	1.6-3.2	0.360	9.1						
	ASF43	0.126-0.187	3.2-4.8	0.422	10.7						
	ASF44	0.188-0.250	4.8-6.4	0.485	12.3						
	ASF45	0.251-0.312	6.4-7.9	0.547	13.9						
	ASF46	0.313-0.375	7.9-9.5	0.610	15.5						
5/32" 4.0mm	ASF52	0.020-0.125	0.5-3.2	0.375	9.5	0.312"	0.065"	#20	1.06"	350	480
	ASF53	0.126-0.187	3.2-4.8	0.437	11.1						
	ASF54	0.188-0.250	4.8-6.4	0.500	12.7						
	ASF55	0.251-0.312	6.4-7.9	0.562	14.3						
3/16" 4.8mm	ASF62	0.020-0.125	0.5-3.2	0.406	10.3	0.375"	0.080"	#11	1.06"	500	690
	ASF64	0.188-0.250	4.8-6.4	0.531	13.5						
	ASF66	0.251-0.375	6.4-9.5	0.656	16.7						
	ASF68	0.376-0.500	9.5-12.7	0.781	19.8						
	ASF610	0.501-0.625	12.7-15.9	0.906	23.0						
1/4" 6.4mm	ASF84	0.126-0.250	3.2-6.4	0.570	14.5	0.500"	0.100"	F	1.25"	900	1100
	ASF86	0.251-0.375	6.4-9.5	0.695	17.7						

Millimeters(mm) and newtons(N) are in black

ALL ALUMINUM SEALED TYPE

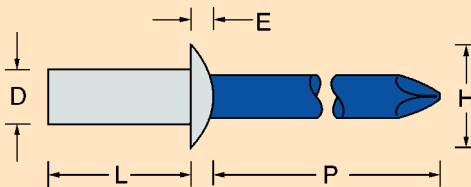
DOME HEAD

RIVET: AAF Series

IFI 126

MATERIAL:

Body : Alu.Alloy
Mandrel : Alu.Alloy



FINISH:

Body : Polished
Mandrel : Polished

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Max.	Drill No.& Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	AAF42	0.063-0.125	1.6-3.2	0.360	9.1	0.238"	0.050"	#30	1.06"	100	110
	AAF43	0.126-0.187	3.2-4.8	0.422	10.7						
	AAF44	0.188-0.250	4.8-6.4	0.485	12.3						
	AAF46	0.313-0.375	7.9-9.5	0.610	15.5						
3/16" 4.8mm	AAF62	0.020-0.125	0.5-3.2	0.406	10.3	0.375"	0.080"	#11	1.06"	210	250
	AAF64	0.188-0.250	4.8-6.4	0.531	13.5						
	AAF66	0.251-0.375	6.4-9.5	0.656	16.7						
	AAF68	0.376-0.500	9.5-12.7	0.781	19.8						
	AAF610	0.501-0.625	12.7-15.9	0.906	23.0						

Countersunk and Large Head rivets available upon request. Other sizes also available. Contact us.

Millimeters(mm) and newtons(N) are in black

vertex[®] ALL STAINLESS STEEL SEALED TYPE

DISTRIBUTION

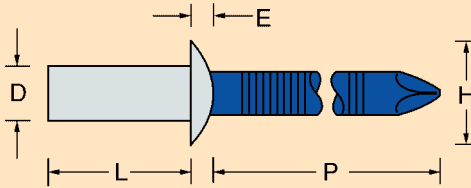
DOME HEAD

RIVET: BBF-S Series

IFI 126

MATERIAL:

Body : Stainless Steel
Mandrel : Stainless Steel



FINISH:

Body : Polished
Mandrel : Polished

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Max.	Drill No.& Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	BBF-S42	0.063-0.125	1.6-3.2	0.360	9.1	0.238"	0.050"	#30	1.06"	400	450
	BBF-S43	0.126-0.187	3.2-4.8	0.422	10.7						
	BBF-S44	0.188-0.250	4.8-6.4	0.485	12.3						
5/32" 4.0mm	BBF-S52	0.020-0.125	0.5-3.2	0.375	9.5	0.312"	0.065"	#20	1.06"	700	800
	BBF-S53	0.126-0.187	3.2-4.8	0.437	11.1						
	BBF-S54	0.188-0.250	4.8-6.4	0.500	12.7						
	BBF-S55	0.251-0.312	6.4-7.9	0.562	14.3						
	BBF-S56	0.313-0.375	7.9-9.5	0.625	15.9						
3/16" 4.8mm	BBF-S62	0.020-0.125	0.5-3.2	0.406	10.3	0.375"	0.080"	#11	1.06"	850	900
	BBF-S64	0.188-0.250	4.8-6.4	0.531	13.5						
	BBF-S66	0.251-0.375	6.4-9.5	0.656	16.7						
	BBF-S68	0.376-0.500	9.5-12.7	0.781	19.8						

Large Head rivets and other sizes available upon request. Contact us.

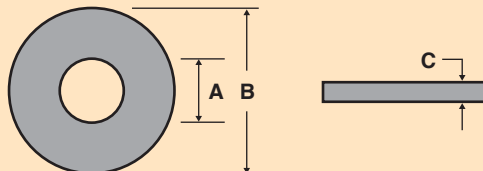
Millimeters(mm) and newtons(N) are in black

BBF-S : All stainless steel sealed type blind rivets have Grooved Mandrel.

BBF: Mandrel is not grooved.

ROUND BACK-UP PLATES (WASHERS)

Rivet Size Diameter	Item #			A Inside Dia.	B Outside Dia.	C Thickness
	Aluminum	Steel	Stainless			
1/8"	ABUP-4	SBUP-4	BBUP-4	1/8"	3/8"	1/16"
5/32"	ABUP-5	SBUP-5	N/A	5/32"	7/16"	1/16"
3/16"	ABUP-6	SBUP-6	BBUP-6	3/16"	1/2"	1/16"
1/4"	ABUP-8	SBUP-8	N/A	1/4"	5/8"	1/16"

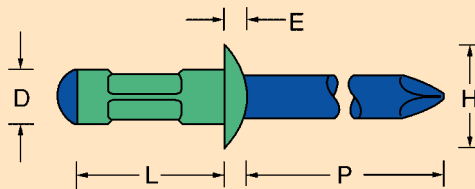


DOME HEAD

RIVET: ASMG Series

MATERIAL:

Body : 5052 Alu.Alloy
Mandrel : Steel



FINISH:

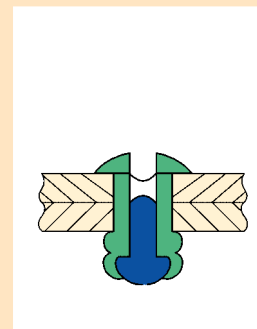
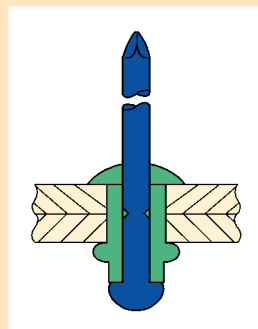
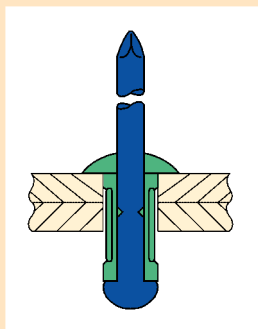
Body : Polished
Mandrel : Zinc Plated

D Nom.	Item #	Grip Range		L(Max.)		H Nom.	E Ref.	Drill No.& Hole Size	P Min.	Shear LBS	Tensile LBS
		Inch	mm	Inch	mm						
1/8" 3.2mm	ASMG42	0.031-0.134	0.8-3.4	0.283	7.2	0.252"	0.041"	#30	1.06"	135	202
	ASMG43	0.031-0.187	0.8-4.8	0.331	8.4						
	ASMG44	0.046-0.250	1.2-6.4	0.390	9.9						
	ASMG45	0.156-0.312	4.0-7.9	0.453	11.5						
	ASMG46	0.216-0.375	5.5-9.5	0.516	13.1						
5/32" 4.0mm	ASMG52	0.020-0.125	0.5-3.2	0.283	7.2	0.312"	0.051"	#20	1.06"	213	337
	ASMG54	0.046-0.250	1.2-6.4	0.390	9.9						
	ASMG56	0.156-0.375	4.0-9.5	0.516	13.1						
	ASMG58	0.250-0.500	6.4-12.7	0.681	17.3						
3/16" 4.8mm	ASMG64	0.062-0.250	1.6-6.4	0.421	10.7	0.386"	0.061"	#11	1.06"	296	450
	ASMG67	0.187-0.437	4.8-11.1	0.610	15.5						
	ASMG68	0.250-0.500	6.4-12.7	0.681	17.3						
	ASMG610	0.354-0.590	9.0-15.0	0.783	19.9						
	ASMG612	0.500-0.781	12.7-19.8	0.992	25.2						

Colored rivets, other sizes and materials available upon request.

Millimeters(mm) and newtons(N) are in black

Countersunk and Large Head rivets available upon request. Contact us.

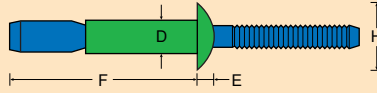


DOME HEAD

RIVET: AA-CFIX Series

MATERIAL:

Body : Alu. Alloy
Mandrel : Alu. Alloy



FINISH:

Body : Polished
Mandrel : Polished

D Nom.	Item #	F Max.	Grip Range		H Max.	E	Drill No. Hole Size	Shear LBS	Tensile LBS
			inch	mm					
3/16" 4.8mm	AA-CFIX 0604	18.3	.064" ~ .250"	1.63 ~ 6.86	10.1	2.29	#10 4.93 ~ 5.18	550 2446 N	450 2002 N
	AA-CFIX 0607	24.0	.064" ~ .437"	1.63 ~ 11.10					
1/4" 6.4mm	AA-CFIX 0806	24.5	.080" ~ .375"	2.03 ~ 9.53	13.3	2.9	G 6.6 ~ 7.0	1270 5649 N	830 3692 N
	AA-CFIX 0810	34.7	.080" ~ .625"	2.03 ~ 15.87					

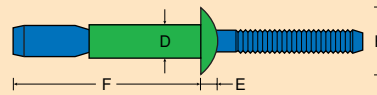
All Steel Structural Rivets

DOME HEAD

RIVET: SS-CFIX Series

MATERIAL:

Body : Steel
Mandrel : Steel



FINISH:

Body : Zinc Plated
Mandrel : Zinc Plated

D Nom.	Item #	F Max.	Grip Range		H Max.	E	Drill No. Hole Size	Shear LBS	Tensile LBS
			inch	mm					
3/16" 4.8mm	SS-CFIX 0604	18.2	.064" ~ .250"	1.63 ~ 6.86	10.1	2.29	#10 4.93 ~ 5.18	1300 5785 N	1000 4450 N
	SS-CFIX 0607	24.4	.064" ~ .437"	1.63 ~ 11.10					
1/4" 6.4mm	SS-CFIX 0806	23.7	.080" ~ .375"	2.03 ~ 9.53	13.3	2.9	G 6.6 ~ 7.0	2400 10675 N	1850 8230 N
	SS-CFIX 0810	32.9	.080" ~ .625"	2.03 ~ 15.87					

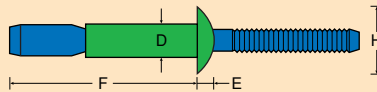
All Stainless Structural Rivets

DOME HEAD

RIVET: BB-CFIX Series

MATERIAL:

Body : Stainless Steel
Mandrel : Stainless Steel



FINISH:

Body : Polished
Mandrel : Polished

D Nom.	Item #	F Max.	Grip Range		H Max.	E	Drill No. Hole Size	Shear LBS	Tensile LBS
			inch	mm					
3/16" 4.8mm	BB-CFIX 0604	18.2	.064" ~ .250"	1.63 ~ 6.86	10.1	2.29	#10 4.93 ~ 5.18	1300 5785 N	1000 4450 N
	BB-CFIX 0607	24.4	.064" ~ .437"	1.63 ~ 11.10					
1/4" 6.4mm	BB-CFIX 0806	23.7	.080" ~ .375"	2.03 ~ 9.53	13.3	2.9	G 6.6 ~ 7.0	2400 10675 N	1850 8230 N
	BB-CFIX 0810	32.9	.080" ~ .625"	2.03 ~ 15.87					

Countersunk Head rivets available upon request.
Monobolt® nosepiece required.

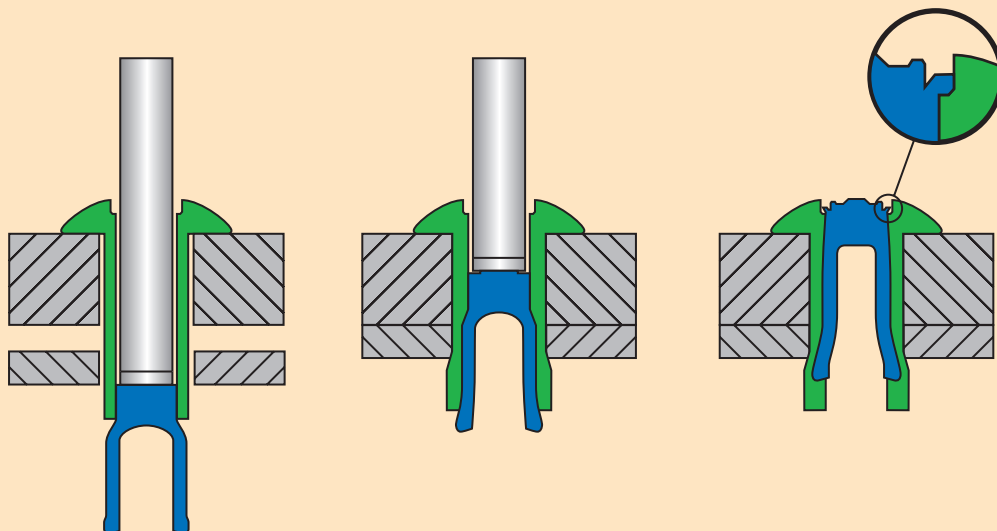


Structural Rivets

Structural Rivets are a type of blind rivet commonly referred to as a Monobolt®. Structural Rivets are used in high vibration applications where water resistance and high shear and tensile strength are required.

Assembly applications include:

- Trailer Body Repair
- Cabinets and enclosures
- Domestic Appliances
- Heating and Ventilating systems



The mandrel head is hollow, which allows for the mandrel head to compress and elongate in the rivet body when setting the rivet. The mandrel is permanently retained in the shear plain of the body after the rivet is set. This gives the set rivet high shear and tensile strength.

Benefits of using the VERTEX STRUCTURAL RIVET:

- Provides very strong, vibration-resistant joints
- High shear and tensile strength
- Multi-Grip capability. It functions in a large work range
- Externally locked for positive stem retention
- Expands radially during setting to fill and provide a water-tight seal, even in elliptical holes.