

Stainless/Steel Rivets



Stainless Rivet • Coated Steel Mandrel • IFI Grade 50

Buttonhead

AFS Part No.	D Rivet Dia. Nom. Inch (mm)	Drill No. & Hole Size (mm)	H Head Dia. Nom. Inch (mm)	E Head Height Max. Inch (mm)	L Rivet Length Max.		Grip Range		Typical Ultimate Strength (Lbs.) (newtons)	
					Inch	(mm)	Inch	(mm)	Shear	Tensile
SSB4-1	1/8"(.125)	#30(.129-.133)	.250	.040	.212	5.4	.032-.062	0.8-1.6	520	600
SSB4-2	3.2	3.3(3.28-3.38)	6.35	1.02	.275	7.0	.063-.125	1.7-3.2	2310	2660
SSB4-3					.337	8.6	.126-.187	3.3-4.8		
SSB4-4					.400	10.2	.188-.250	4.9-6.4		
SSB4-5					.462	11.7	.251-.312	6.5-7.9		
SSB4-6					.525	13.4	.313-.375	8.0-9.5		
SSB4-8					.650	16.5	.376-.500	9.6-12.7		
SSB5-2	5/32"(.156)	#20(.160-.164)	.312	.045	.300	7.6	.062-.125	1.6-3.2	785	1040
SSB5-4	4.0	4.1(4.06-4.16)	7.92	1.14	.425	10.8	.126-.250	4.9-6.4	3490	4620
SSB5-6					.550	14.0	.251-.375	6.5-9.5		
SSB6-2	3/16"(.187)	#11(.192-.196)	.375	.055	.325	8.3	.062-.125	1.6-3.2	1150	1300
SSB6-4	4.8	4.9(4.88-4.98)	9.53	1.40	.460	11.5	.126-.250	3.3-6.4	5110	5780
SSB6-6					.575	14.6	.251-.375	6.5-9.5		
SSB6-8					.700	17.8	.376-.500	9.6-12.7		
SSB6-10					.825	21.0	.501-.625	12.8-15.9		
SSB6-12					.950	24.2	.626-.750	16.0-19.1		
SSB6-16					1.120	30.5	.751-1.000	19.2-25.4		

Large Flange

SSBL4-2	1/8"(.125)	#30(.129-.133)	.375	.045	.275	7.0	.032-.125	0.8-3.2	520	600
SSBL4-3	3.2	3.3(3.28-3.38)	9.53	1.14	.337	8.6	.126-.187	3.3-4.8	2310	2660
SSBL4-4					.400	10.2	.188-.250	4.9-6.4		
SSBL6-4	3/16"(.187)	#11(.192-.196)	.625	.082	.460	11.5	.062-.250	1.6-6.4	1150	1300
SSBL6-6	4.8	4.9(4.88-4.98)	15.88	2.08	.575	14.6	.251-.375	6.5-9.5	5110	5780
SSBL6-8					.700	17.8	.376-.500	9.6-12.7		
SSBL6-10					.825	21.0	.501-.625	12.8-15.9		
SSBL6-12					.950	24.2	.626-.750	16.0-19.1		

120° Countersunk

SSC4-2	1/8"(.125)	#30(.129-.133)	.220	.045	.275	7.0	.063-.125	1.7-3.2	520	600
SSC4-3	3.2	3.3(3.28-3.38)	5.59	1.14	.337	8.6	.126-.187	3.3-4.8	2310	2660
SSC4-4					.400	10.2	.188-.250	4.9-6.4		
SSC4-5					.462	11.7	.251-.312	6.5-7.9		
SSC6-4	3/16"(.187)	#11(.192-.196)	.350	.050	.407	10.3	.126-.250	3.3-6.4	1150	1300
	4.8	4.9(4.88-4.98)	8.89	1.27					5110	5780

KLIK-FAST RIVETS conform to IFI-114 (inch) and IFI-505 (metric). Millimeters (mm) and newtons (N) are in green.

KLIK-FAST stainless steel rivets from Alcoa Fastening

Systems provide outstanding value and offer your assemblies:

- Corrosion resistance
- Multiple head styles
- High strength
- Widest size range 1/8"– 1/4"



Large Flange

Whether the application is marine, medical or electronics, for long life of the assembly, count on Alcoa Fastening Systems. All Marson brand rivets conform to IFI specifications. Call today for more information on our entire line of high quality rivets and fastening tools.

Design Information

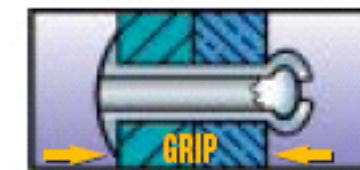
Rivet Code Definitions

Example:
ABL6-6A

A — First Letter	Rivet material (A - Aluminum, S - Steel, C - Copper, SS - Stainless Steel)
B — Second Letter	Style of Head (B - Buttonhead, C - Countersunk)
L — Third Letter (if any)	Large Flange Head
6 — First Number	Body Diameter in 32nd's
6 — Second Number	Maximum Grip Length in 16th's
A — Final Letter (S)	A - Aluminum Mandrel, S - Stainless Steel Mandrel, B - Brass Mandrel, C - Copper Plated Steel Mandrel, CLD - Closed-End, MG - Multi-Grip, QL - Q-Lok, KL - Klik-Lok. No letter indicates steel mandrel.

Design Information

1. The shear and tensile strength of the rivet selected and the number of rivets used in the application should equal or exceed the joint strength requirements. Typical ultimate shear and tensile strengths are listed by diameter and alloy on pages 5 through 16 of this catalog. Testing is recommended before final selection and use in product.
2. The rivet body material should be compatible with the materials to be joined to resist galvanic corrosion which may result in reduction of joint strength. If dissimilar materials are widely separated on the galvanic chart, it is advisable to separate them with a dielectric material such as paint or other coating. AFS can paint colors to match, as well as anodize or plate to your specifications.
3. After determination of strengths required by diameter and alloy, the total thickness of materials to be joined must be considered. The grip range for each rivet is listed on pages 5 through 16. Select the rivet grip range which includes the total thickness of materials to be joined. Please note that the rivet barrel length (Column L) is not the grip range.
4. Recommended hole sizes listed for each rivet diameter on pages 5 through 16 should be followed closely. An undersize hole will not allow insertion of the rivet body; an oversize hole will reduce shear and tensile strengths, and may cause improper rivet setting, all of which promote joint failure.
5. The various head styles (illustrated page 3) are offered to accommodate different assembly needs. The most popular Klik-Fast rivet is the buttonhead, whose lower-profile head is twice the diameter of the rivet body. This provides adequate bearing surface for nearly all applications. The large flange Klik-Fast rivet provides greater bearing surface for fastening soft or brittle facing materials. The countersunk Klik-Fast rivet is available for applications where a flush appearance is required. And the closed-end is ideal for electric or electronics applications.
6. Besides the sizes, alloys and head styles listed, AFS manufactures a wide range of special rivets to accommodate a variety of customer needs for strength, head style and grip range. You are invited to send your applications questions or problems to Stoughton Operations for evaluation, testing and recommendations.
 - Samples are available upon request.
 - Special packaging needs are quickly and easily met.



Design Information

To install

1. Insert rivet mandrel in rivet setting tool.
2. Using tool as a guide, insert rivet into prepared hole.
3. Or insert rivet into prepared hole and then engage the mandrel with rivet-setting tool. Squeeze trigger or handles to set rivet. Mandrel ejects after rivet is set.

Features, benefits & applications

