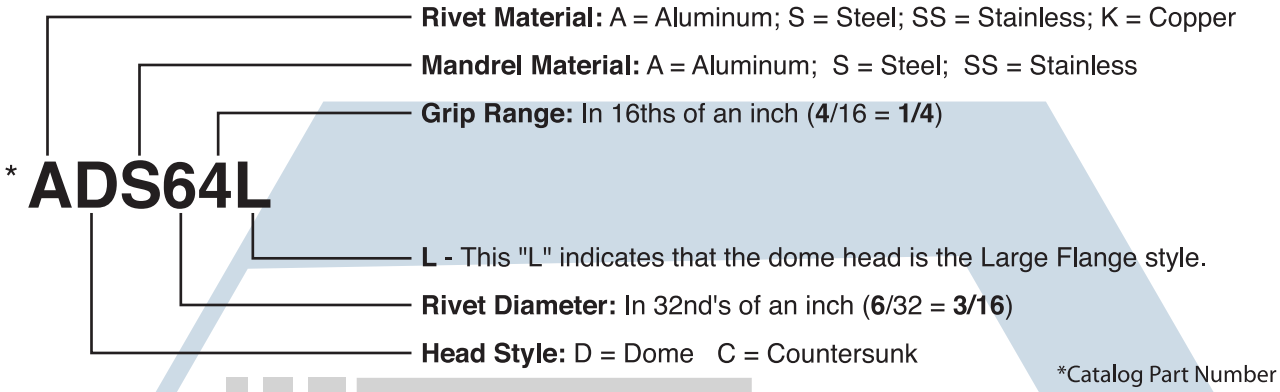
Part Number Key



*Catalog Part Number

Notes on Rivet Selection

Strength - The tensile and shear strengths required for an application must be determined and a rivet selected that meets those requirements.

Materials - Choose a rivet that is made of a metal with similar mechanical and physical properties as the materials being joined. This is especially critical in assemblies where higher temperatures and/or corrosive elements are present. Metal compatibility helps reduce the risks of galvanic corrosion and material fatigue.

Grip Range - Measure the total thickness of the materials being fastened. This is known as the "rivet grip". The grip ranges of the most commonly available rivets are listed in the table below. Sufficient rivet length is necessary for proper formation of the secondary head on the blind side of the assembly. Multi-grip rivets have wider grip ranges than standard break-stem blind rivets.

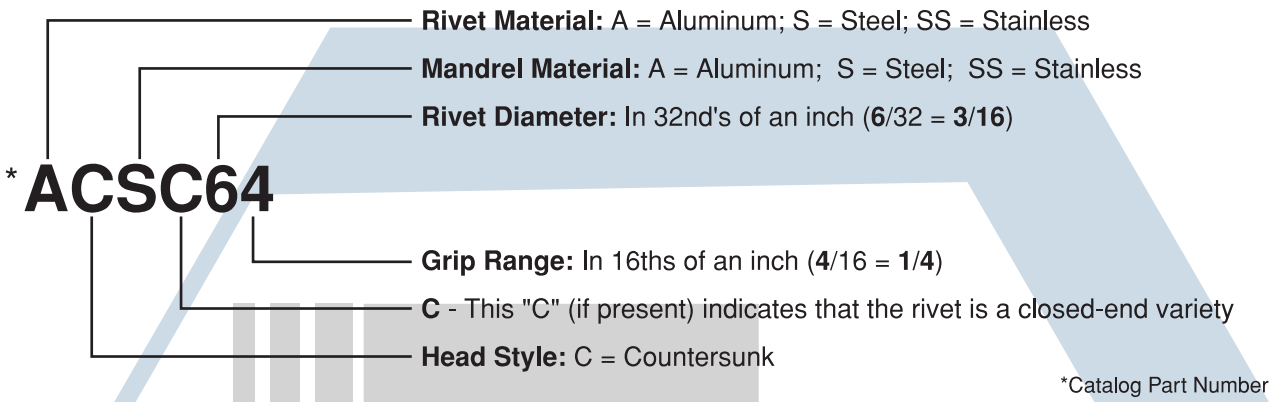
Application Data for Standard Break-Stem Blind Rivets -- Protruding Heads

SAE J-1200

Rivet Number	Grip Range	Barrel Length	Recommended Hole Size		Drill Size
		Max	Max	Min	
31	.020-.062	.187	0.100	0.097	#41
32	.020-.125	.250			
33	.087-.187	.312			
34	.126-.250	.375			
40	.010-.030	.150	0.133	0.129	#30
41	.020-.062	.212			
42	.063-.125	.275			
43	.126-.187	.337			
44	.188-.250	.400			
45	.251-.312	.462			
46	.313-.375	.525			
48	.376-.500	.650			
410	.501-.625	.775			
52	.020-.125	.300	0.164	0.160	#20
53	.126-.187	.362			
54	.188-.250	.425			
56	.251-.375	.550			
58	.376-.500	.675			
510	.501-.625	.800			
512	.626-.750	.925			
516	.876-1.000	1.175			

Rivet Number	Grip Range	Barrel Length	Recommended Hole Size		Drill Size
		Max	Max	Min	
62	.020-.125	.325	0.196	0.192	#11
63	.126-.187	.387			
64	.188-.250	.450			
66	.251-.375	.575			
68	.376-.500	.700			
610	.501-.625	.825			
612	.626-.750	.950			
614	.751-.875	1.075			
616	.876-1.000	1.200			
618	1.001-1.125	1.325			
620	1.126-1.250	1.450			
622	1.251-1.375	1.575			
82	.020-.125	.375	0.261	0.257	F
84	.126-.250	.500			
86	.251-.375	.625			
88	.376-.500	.750			
810	.501-.625	.875			
812	.626-.750	1.000			
814	.751-.875	1.125			
816	.876-1.000	1.250			

Part Number Key



*Catalog Part Number

Notes on Rivet Selection

Strength - The tensile and shear strengths required for an application must be determined and a rivet selected that meets those requirements.

Materials - Choose a rivet that is made of a metal with similar mechanical and physical properties as the materials being joined. This is especially critical in assemblies where higher temperatures and/or corrosive elements are present. Metal compatibility helps reduce the risks of galvanic corrosion and material fatigue.

Grip Range - Measure the total thickness of the materials being fastened. This is known as the "rivet grip". The grip ranges of the most commonly available rivets are listed in the table below. Sufficient rivet length is necessary for proper formation of the secondary head on the blind side of the assembly. Multi-grip rivets have wider grip ranges than standard break-stem blind rivets.

Application Data for Standard Break-Stem Blind Rivets - Countersunk Head — SAE J-1200

Rivet Number	Grip Range	Rivet Length	Recommended Hole Size		Drill Size	Rivet Number	Grip Range	Rivet Length	Recommended Hole Size		Drill Size
		Max	Max	Min				Max	Max	Min	
42	.092-.125	.275	0.133	0.129	#30	54	.188-.250	.425	0.164	0.160	#20
43	.126-.187	.337				56	.251-.375	.550			
44	.188-.250	.400				58	.376-.500	.675			
45	.251-.312	.462				64	.188-.250	.450	0.196	0.192	#11
46	.313-.375	.525				66	.251-.375	.575			
48	.376-.500	.650				68	.376-.500	.700			