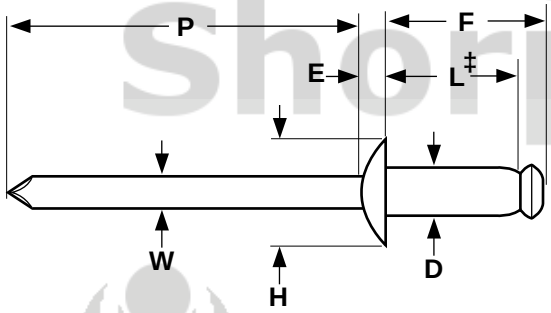
Steel Rivet/ Steel Mandrel

Dome Head Blind Rivet

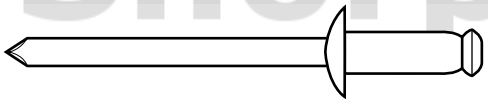


STEEL BODY/STEEL MANDREL DOME HEAD BREAK-STEM BLIND RIVETS — SAE J-1200

Nominal Rivet Diameter	D		H		E	W	P	F	Ultimate Shear Load	Ultimate Tensile Load	Mandrel Break Load	
	Rivet Shank Diameter		Head Diameter		Head Height	Mandrel Diameter	Mandrel Protrusion	Blind Side Protrusion				
	Max	Min	Max	Min	Max	Nom	Min	Max	Min, lb.	Min, lb.	Max	Min
3/32	0.096	0.090	0.198	0.178	0.032	0.057	1.00	L + 0.100	130	170	360	260
1/8	0.128	0.122	0.262	0.238	0.040	0.076	1.00	L + 0.120	260	310	800	600
5/32	0.159	0.153	0.328	0.296	0.050	0.095	1.06	L + 0.140	370	470	1000	750
3/16	0.191	0.183	0.394	0.356	0.060	0.114	1.06	L + 0.160	540	680	1450	1150
1/4	0.255	0.246	0.525	0.475	0.080	0.151	1.25	L + 0.180	1000	1240	2350	1950

Description	A carbon steel blind fastener which has a self-contained carbon steel mandrel which permits the formation of an upset on the blind end of the rivet and expansion of the rivet shank during rivet setting to join the component parts of an assembly. The steel mandrel is pulled into or against the rivet body, breaking at or near the junction of the mandrel shank and its upset end. The head of the body is slightly rounded and twice as wide as the body diameter.
Applications/ Advantages	Dome head is the most commonly specified head style because of its low profile and neat, finished appearance. The all steel design gives this style rivet greater tensile and shear values than all varieties of aluminum rivets. They should be used when fastening materials similar to carbon steel.
Material	*Rivet:* Low carbon steel, plated zinc. *Mandrel:* Carbon steel 1006 or equivalent. May be furnished plain or with a protective coating, at the option of the manufacturer.
Shear Strength	Rivets shall have ultimate shear loads not less than the minimum ultimate shear loads specified for the applicable size given in the above table.
Tensile Strength	Rivets shall have ultimate tensile loads not less than the minimum ultimate tensile loads specified for the applicable size given in the above table.
Mandrel Break Load	While the rivet is being set, the axially applied load necessary to break the mandrel shall be within the limits specified for the applicable rivet size given in the above table.

Steel Rivet/ Steel Mandrel

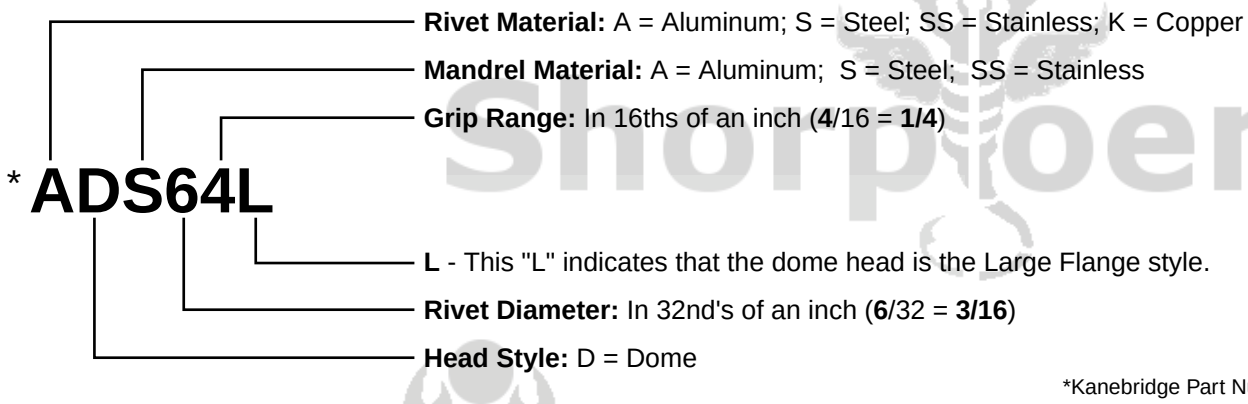


Part Number Comparison - Dome Head Steel Rivet/Steel Mandrel

Kanebridge	Huck-Automatic	Pop®	Marson/ Creative	Star	Celus®	Cherry	Gesipa®
SDS41	SBS41	SD41BS	SB4-1	4-1SSD	S/S 41D	SSP-41	GSMD41S
SDS42	SBS42	SD42BS	SB4-2	4-2SSD	S/S 42D	SSP-42	GSMD42S
SDS43	SBS43	SD43BS	SB4-3	4-3SSD	S/S 43D	SSP-43	GSMD43S
SDS44	SBS44	SD44BS	SB4-4	4-4SSD	S/S 44D	SSP-44	GSMD44S
SDS45	SBS45	SD45BS	SB4-5	4-5SSD	S/S 45D	SSP-45	GSMD45S
SDS46	SBS46	SD46BS	SB4-6	4-6SSD	S/S 46D	SSP-46	GSMD46S
SDS48	SBS48	SD48BS	SB4-8	4-8SSD	S/S 48D	SSP-48	GSMD48S
SDS52	SBS52	SD52BS	SB5-2	5-2SSD	S/S 52D	SSP-52	GSMD52S
SDS53	SBS53	SD53BS	SB5-3	5-3SSD	S/S 53D	-	GSMD53
SDS54	SBS54	SD54BS	SB5-4	5-4SSD	S/S 54D	SSP-54	GSMD54
SDS56	SBS56	SD56BS	SB5-6	5-6SSD	S/S 56D	SSP-56	GSMD56
SDS58	SBS58	-	SB5-8	5-8SSD	S/S 58D	SSP-58	GSMD58
SDS62	SBS62	SD62BS	SB6-2	6-2SSD	S/S 62D	SSP-62	GSMD62
SDS64	SBS64	SD64BS	SB6-4	6-4SSD	S/S 64D	SSP-64	GSMD64
SDS66	SBS66	SD66BS	SB6-6	6-6SSD	S/S 66D	SSP-66	GSMD66
SDS68	SBS68	SD68BS	SB6-8	6-8SSD	S/S 68D	SSP-68	GSMD68
SDS610	SBS610	SD610BS	SB6-10	6-10SSD	S/S610D	SSP-610	GSMD610
SDS84	SBS84	SD84BS	SB8-4	-	S/S 84D	SSP-84	GSMD84
SDS86	SBS86	SD86BS	SB8-6	-	S/S 86D	SSP-86	GSMD86
SDS88	SBS88	SD88BS	SB8-8	-	S/S 88D	SSP-88	GSMD88
SDS810	SBS810	SD810BS	-	-	S/S810D	SSP-810	GSMD810
SDS812	SBS812	SD812BS	SB8-12	-	S/S812D	SSP-812	GSMD812
SDS816	-	SD816BS	-	-	S/S816D	SSP-816	GSMD816

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®Gesipa is a registered trademark of Gesipa Fasteners USA Inc..
®Pop is a registered trademark of Pop Fastening Systems, Emhart Fastening Teknologies, a Black & Decker Company.
Kanebridge's rivets are not manufactured by or connected with the producers of Gesipa® or Pop® rivets.

Part Number Key



*Kanebridge 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 compatability 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 — 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			
41	.020-.062	.212	0.133	0.129	#30
42	.063-.125	.275			
43	.126-.187	.337			
44	.188-.250	.400			
45	.251-.312	.462			
46	.313-.375	.525			
48	.376-.500	.650			
52	.020-.125	.300	0.164	0.160	#20
53	.125-.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	.510-.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			
84	.126-.250	.500	0.261	0.257	F
86	.251-.375	.625			
88	.376-.500	.750			
810	.501-.625	.875			
812	.626-.750	.990			
816	.751-1.000	1.240			