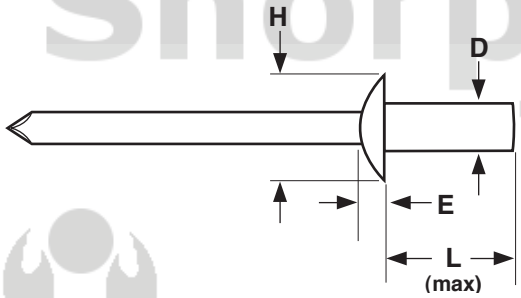
Closed-End Aluminum Rivet/Steel Mandrel



Closed-End, Dome Head, Aluminum Body/Steel Mandrel Blind Rivets									IFI-126
Part Number	D Rivet Body Diameter	Hole Size	Drill Number	Grip Range	L Length	H Head Diameter	E Head Height	Ultimate Shear Load	Ultimate Tensile Load
				Inches	Max	Nominal	Max	Min, lb.	Min, lb.
ADSC41	.125	.129 - .133	#30	.020 - .062	.297	.236	.050	240	280
ADSC42	.125	.129 - .133	#30	.063 - .125	.360	.236	.050	240	280
ADSC43	.125	.129 - .133	#30	.126 - .187	.422	.236	.050	240	280
ADSC44	.125	.129 - .133	#30	.188 - .250	.485	.236	.050	240	280
ADSC45	.125	.129 - .133	#30	.251 - .312	.547	.236	.050	240	280
ADSC46	.125	.129 - .133	#30	.313 - .375	.610	.236	.050	240	280
ADSC48	.125	.129 - .133	#30	.376 - .500	.735	.236	.050	240	280
ADSC52	.156	.160 - .164	#20	.020 - .125	.375	.312	.065	350	480
ADSC53	.156	.160 - .164	#20	.126 - .187	.437	.312	.065	350	480
ADSC54	.156	.160 - .164	#20	.188 - .250	.500	.312	.065	350	480
ADSC55	.156	.160 - .164	#20	.251 - .312	.562	.312	.065	350	480
ADSC56	.156	.160 - .164	#20	.313 - .375	.625	.312	.065	350	480
ADSC58	.156	.160 - .164	#20	.376 - .500	.750	.312	.065	350	480
ADSC62	.187	.192 - .196	#11	.020 - .125	.406	.375	.080	500	690
ADSC63	.187	.192 - .196	#11	.126 - .187	.468	.375	.080	500	690
ADSC64	.187	.192 - .196	#11	.188 - .250	.531	.375	.080	500	690
ADSC66	.187	.192 - .196	#11	.251 - .375	.656	.375	.080	500	690
ADSC68	.187	.192 - .196	#11	.376 - .500	.781	.375	.080	500	690
ADSC610	.187	.192 - .196	#11	.501 - .625	.906	.375	.080	500	690
ADSC612	.187	.192 - .196	#11	.626 - .750	1.026	.375	.080	500	690
ADSC82	.250	.257 - .261	F	.020 - .125	.445	.500	.100	900	1100
ADSC84	.250	.257 - .261	F	.126 - .250	.570	.500	.100	900	1100
ADSC86	.250	.257 - .261	F	.251 - .375	.695	.500	.100	900	1100
ADSC88	.250	.257 - .261	F	.376 - .500	.820	.500	.100	900	1100
ADSC810	.250	.257 - .261	F	.501 - .625	.945	.500	.100	900	1100

Closed-End Aluminum Rivet/Steel Mandrel

Part Number Comparison - Closed-End Aluminum Rivet/Steel Mandrel, *Dome*

Catalog Part Number	Huck/Automatic	Pop®	Marson/Creative	Star	Celus®	Cherry	Gesipa®
ADSC41	-	AD41H	AB4-1CLD	-	-	-	-
ADSC42	-	AD42H	AB4-2CLD	-	A42D-CE	-	-
ADSC43	-	AD43H	AB4-3CLD	-	A43D-CE	-	-
ADSC44	-	AD44H	AB4-4CLD	-	A44D-CE	-	-
ADSC45	-	AD45H	AB4-5CLD	-	-	-	-
ADSC46	-	AD46H	-	-	A46D-CE	-	-
ADSC48	-	AD48H	-	-	-	-	-
ADSC52	-	AD52H	AB5-2CLD	-	-	-	-
ADSC53	-	AD53H	AB5-3CLD	-	-	-	-
ADSC54	-	-	-	-	A54D-CE	-	-
ADSC55	-	AD55H	AB5-5CLD	-	-	-	-
ADSC56	-	-	-	-	-	-	-
ADSC58	-	-	-	-	-	-	-
ADSC62	-	AD62H	AB6-2CLD	-	A62D-CE	-	-
ADSC63	-	-	-	-	-	-	-
ADSC64	-	AD64H	AB6-4CLD	-	-	-	-
ADSC66	-	AD66H	AB6-6CLD	-	A66D-CE	-	-
ADSC68	-	AD68H	AB6-8CLD	-	A68D-CE	-	-
ADSC610	-	-	A6-10CLD	-	-	-	-
ADSC612	-	-	-	-	-	-	-
ADSC82	-	-	-	-	-	-	-
ADSC84	-	AD84H	AB8-4CLD	-	A84D-CE	-	-
ADSC86	-	AD86H	AB8-6CLD	-	A86D-CE	-	-
ADSC88	-	-	-	-	-	-	-
ADSC810	-	-	-	-	-	-	-

Description	A steel blind fastener with a self-contained steel mandrel whose mandrel head is completely protected and secured within the closed end of the rivet. The head of the rivet body is slightly rounded and twice as wide as the body diameter.
Applications/ Advantages	Closed-end rivets are used where the adjoining back-plate cannot be accessed but must be kept weatherproof. The installed rivet forms a tight seal preventing seepage of liquid or gas through the fastener assembly. The dome head is the most popular style offered on closed end rivets. They are preferred in many electronics applications because there is no chance of the mandrel falling into the work area on the blind side. Closed-end rivets provide greater tensile and shear strength than similar-sized open end rivets. They should be used when fastening materials with mechanical and physical properties similar to aluminum.
Material	*Rivet Body*: Aluminum *Mandrel*: Carbon steel
Shear Strength	Rivets shall have ultimate shear loads not less than the minimum ultimate shear loads specified in the above table.
Tensile Strength	Rivets shall have ultimate tensile loads not less than the minimum ultimate tensile loads specified in the above table.