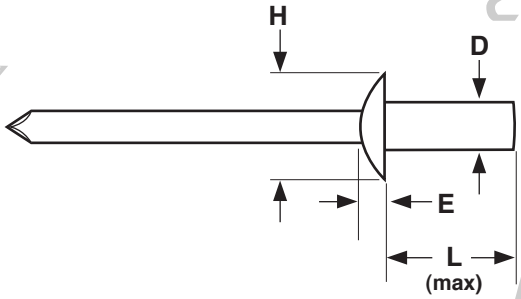
Closed-End Steel Rivet/Steel Mandrel



Closed-End, Dome Head, Steel Body/Steel Mandrel Blind Rivets									IFI-126
Part Number	D	Hole Size	Drill Number	Grip Range	L	H	E	Ultimate Shear Load	Ultimate Tensile Load
	Rivet Body Diameter				Length	Head Diameter	Head Height		
				Inches	Max	Max	Max	Min, lb.	Min, lb.
SDSC41	.125	.129 - .133	#30	.020 - .062	.297	.252	.050	250	260
SDSC42	.125	.129 - .133	#30	.063 - .125	.360	.252	.050	250	260
SDSC43	.125	.129 - .133	#30	.126 - .187	.422	.252	.050	250	260
SDSC44	.125	.129 - .133	#30	.188 - .250	.485	.252	.050	250	260
SDSC45	.125	.129 - .133	#30	.251 - .312	.547	.252	.050	250	260
SDSC46	.125	.129 - .133	#30	.313 - .375	.610	.252	.050	250	260
SDSC52	.156	.160 - .164	#20	.020 - .125	.375	.328	.065	380	410
SDSC53	.156	.160 - .164	#20	.126 - .187	.437	.328	.065	380	410
SDSC54	.156	.160 - .164	#20	.188 - .250	.500	.328	.065	380	410
SDSC55	.156	.160 - .164	#20	.251 - .312	.562	.328	.065	380	410
SDSC56	.156	.160 - .164	#20	.313 - .375	.625	.328	.065	380	410
SDSC62	.187	.192 - .196	#11	.020 - .125	.406	.394	.080	540	630
SDSC63	.187	.192 - .196	#11	.126 - .187	.468	.394	.080	540	630
SDSC64	.187	.192 - .196	#11	.188 - .250	.531	.394	.080	540	630
SDSC66	.187	.192 - .196	#11	.251 - .375	.656	.394	.080	540	630
SDSC68	.187	.192 - .196	#11	.376 - .500	.781	.394	.080	540	630
SDSC610	.187	.192 - .196	#11	.501 - .625	.906	.394	.080	540	630

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:*** Low carbon steel ***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.