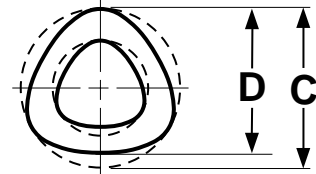
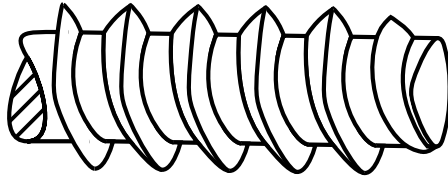


Self-Tapping Screws

Thread Rolling

Plastite®
48-2



PLASTITE® 48-2 THREAD ROLLING SCREWS

Reminc

Nominal Screw Size and Threads Per Inch	C		D		Minimum Out-Of-Round	Recommended Pilot Hole Sizes	
	Diameter of Circumscribing Circle		Measurements Across Center			Soft Ductile Materials	Brittle Materials
	Max	Min	Max	Min			
2 - 28	.092	.086	.089	.083	.002	.076	.080
3 - 24	.110	.104	.106	.100	.002	.088	.094
4 - 20	.127	.121	.123	.117	.002	.100	.106
6 - 19	.147	.141	.143	.137	.003	.122	.128
8 - 16	.185	.179	.179	.173	.004	.149	.158
10 - 14	.212	.206	.208	.202	.004	.175	.185
1/4 - 10	.276	.270	.268	.262	.006	.224	.240
Tolerance on Length		Thru 3/4": ±.030"			Over 3/4": ±.050"		

Description	Trilobular thread-rolling screw with extra wide spacing between 48° profile threads; twin lead threads with a 1-2 thread point taper.
Applications/ Advantages	Thermoplastics, engineering resins and certain thermosets. Sharper thread profile increases holding strength while reducing material displacement. Drive and strip torques are higher, reducing the need for inserts or reinforcing clips.
Material	AISI 1022 steel
Heat Treatment	Screws shall be quenched in liquid and then tempered by reheating to 650°F minimum.
Case Hardness	Rockwell C45 minimum
Case Depth	No. 2 thru 6 diameters: .002 - .007 No. 8 thru 10 diameters: .004 - .009 1/4" diameter: .005 - .011
Core Hardness (after tempering)	Rockwell C28-38
Plating	See Appendix-A for information on the plating of Plastites .