



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
5 - 20	.136	.132	.133	.129	.002	-	-
6 - 19	.147	.141	.143	.137	.003	.122	.128
7 - 18	.166	.160	.160	.154	.004	.134	.142
8 - 16	.185	.179	.179	.173	.004	.149	.158
10 - 14	.212	.206	.208	.202	.004	.175	.185
12 - 11	.232	.226	.226	.220	.005	.195	.205
1/4 - 10	.276	.270	.268	.262	.006	.224	.240
<b>Tolerance on Length</b>		Thru 3/4": ±.030"			Over 3/4": ±.050"		

<b>Description</b>	Trilobular thread-rolling screw with extra wide spacing between 48° profile threads; twin lead threads with a 1-2 thread point taper.	
<b>Applications/ Advantages</b>	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.	
<b>Material</b>	<i>Steel</i>	<i>Stainless</i>
	AISI 1022 steel	18-8 Stainless Steel
<b>Heat Treatment</b>	Screws shall be quenched in liquid and then tempered by reheating to 650°F minimum.	-
<b>Case Hardness</b>	Rockwell C45 minimum	-
<b>Case Depth</b>	No. 2 thru 6 diameters: .002 - .007 No. 8 thru 10 diameters: .004 - .009 1/4" diameter: .005 - .011	-
<b>Core Hardness (after tempering)</b>	Rockwell C28-38	Rockwell B90 - C20
<b>Plating</b>	See Appendix-A for information on the plating of Plastites™.	Stainless thread rolling screws are supplied passivated & waxed.