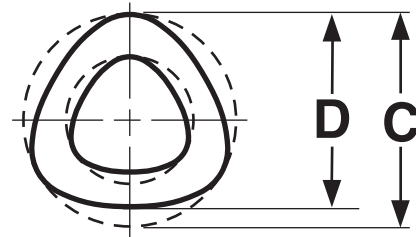
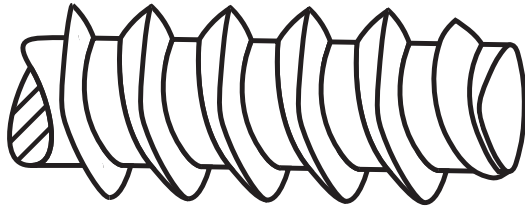


# Self-Tapping Screws Thread Rolling

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				
• 0 - 40	.0665	.0635	.0635	.0605	.002	.0498	.0490	
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	
9 - 15	.199	.193	.193	.187	.004	.162	.172	
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	
5/16 - 9	.345	.335	.335	.325	.006	.286	.303	
<b>Tolerance on Length</b>		Thru 3/4": ±.030"		Over 3/4": ±.050"		Over 1/4" Diameter, All Lengths: ±.050"		

\* Specifications for the 0-40 & 5-20 diameters are independent from the REMINC standard and are listed here for reference purposes only.

<b>Description</b>	Trilateral 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> AISI 1022 steel	<i>Stainless</i> <b>18-8:</b> 18-8 stainless steel <b>410:</b> 410 austenitic stainless steel
<b>Heat Treatment</b>	Screws shall be quenched in liquid and then tempered by reheating to 650°F minimum.	<b>410:</b> Screws shall be annealed by heating to 1850°-1950°F, held at least 1/2 hr & rapid air- or oil-quenched; then reheated to 525°F min. for at least 1 hr & air cooled to provide the required mechanical properties.
<b>Case Hardness</b>	Rockwell C45 minimum	-
<b>Case Depth</b>	<i>No. 2 thru 6 diameters:</i> .002 - .007 <i>No. 8 thru 10 diameters:</i> .004 - .009 <i>1/4" diameter:</i> .005 - .011	-
<b>Core Hardness (after tempering)</b>	Rockwell C28-38	18-8: Rockwell B90 - C20 410: Rockwell C34 - 42
<b>Plating</b>	Various finishes with wax coating (see Appendix-A)	Stainless thread rolling screws are supplied passivated & waxed.

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