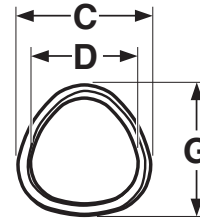
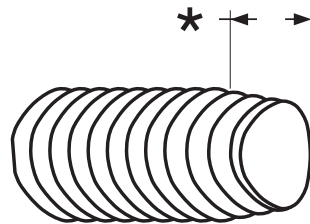


Generic Alternatives to Taptite® II

Thread Rolling

Self-Tapping Screws



*2-3 Pitch Lead Length

TAPTITE® II THREAD ROLLING SCREWS					REMINC*
Nominal Screw Width	C		D		G
	Screw Body Dimensions				
	Diameter of Circumscribing Circle		Measurement Across Center		Diameter of Circumscribing Circle
	Max	Min	Max	Min	Max
2-56	.0875	.0835	.0840	.0800	.070
3-48	.1010	.0970	.0970	.0930	.081
4-40	.1145	.1105	.1095	.1055	.090
5-40	.1275	.1235	.1225	.1185	.103
6-32	.1410	.1350	.1350	.1290	.111
8-32	.1670	.1610	.1610	.1550	.137
10-24	.1940	.1880	.1860	.1800	.153
10-32	.1930	.1870	.1870	.1810	.163
12-24	.2200	.2140	.2120	.2060	.179
1/4-20	.2550	.2490	.2450	.2390	.206
5/16-18	.3180	.3120	.307	.301	.264
3/8-16	.3810	.3750	.3685	.3625	.320
1/2-13	.5075	.5015	.4920	.4860	.432

Tolerance on Length	Nominal Screw Size	Nominal Screw Length		
		To 3/4" Incl.	Over 3/4" to 1.5" Incl.	Over 1.5"
	All Diameters	-0.03	-0.05	-0.06

Description	Tribolular thread rolling screw. As each lobe of the screw moves through the pilot hole in the nut material, it forms and work-hardens the nut thread metal, producing an uninterrupted grain flow.	
Applications/Advantages	For drilled, punched or corrod holes in all ductile metals and punch extruded metals. Eliminates chips, requires low drive torque and provides excellent resistance to vibrational loosening.	
Material	Steel Steel thread rolling screws shall be made from cold-heading steel conforming to the following chemical composition: Carbon: 0.13-0.27%; Manganese: 0.64-1.71%	Stainless 18-8: 18-8 stainless steel 410: 410 austenitic stainless steel
Heat Treatment	Screws shall be quenched in liquid and then tempered by reheating to 650°F minimum.	410: Screws shall be annealed by heating to 1850° - 1950°F, held at least for 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.
Case Hardness	Rockwell C45 minimum	
Case Depth	2-56 through 6-32 diameters: .002 - .007 8-32 through 12-24 diameters: .004 - .009 1/4-20 diameter & larger: .005 - .011	
Core Hardness (after tempering)	Rockwell C28-38	18-8: Rockwell B90 - C20 410: Rockwell C34 - 42
Plating	See Appendix-A for information on the plating of Taptite® II screws.	Stainless thread rolling screws are supplied passivated and waxed.

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