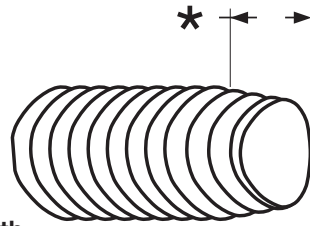
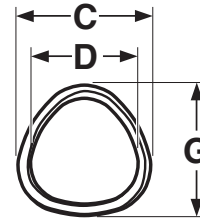


Steel Taptite® II

THREAD ROLLING



*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	Tribolobar 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 SS: An ideal method of hardening 410 stainless screws is a bright hardening process, which typically involves a vacuum furnace. Another key factor affecting hardness is the chemistry of the fastener--most elements have maximum values but not minimums. This fact can contribute to hardness variance. 18-8 is only hardenable by cold-working.
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	-
Hardness	Core: Rockwell C28-38	18-8: Rockwell B90 - C20 (approx.) 410: Rockwell C38 - 46 (approx.)
Plating	See Appendix-A for information on the plating of Taptite® II screws.	Stainless thread rolling screws are supplied passivated and waxed.

*Taptite® is a registered trademark of REMINC. Kanebridge's screws are not authorized or made by licensed REMINC manufacturers.