

THREAD ROLLING

..... *Screws*

- Plastite® 48-2 Alternatives
- Taptite®-II Alternatives
- EJOT® Type-PT®-Alternatives
- Metric DIN 7500 Varieties



**KANEBRIDGE
CORPORATION**

OVER 2,600 ITEMS



INCH SIZES



TRILOBULAR TAPTITE®-II ALTERNATIVE STAINLESS & WAXED

- Flat Phillips (410)
- Flat Phillips Undercut (410)
- Flat Phillips (18-8)
- Flat Phillips Undercut (18-8)
- Pan Phillips (410)
- Pan Phillips (18-8)
- Truss Phillips (18-8)
- Truss Phillips (410)
- Hex Washer Slotted (410)
- Hex Washer Slotted (18-8)
- Hex Washer Unslotted (410)
- Hex Washer Unslotted (18-8)
- Flat Six-Lobe (18-8)
- Flat Six-Lobe Undercut (18-8)
- Pan Six-Lobe (18-8)
- Pan Six-Lobe (410)



TRILOBULAR PLASTITE® 48-2 ALTERNATIVE STAINLESS & WAXED

- Flat Phillips (410)
- Flat Phillips (18-8)
- Flat Phillips Undercut (18-8)
- Pan Phillips (410)
- Pan Phillips (Black Oxide Over 18-8)
- Pan Phillips (18-8)
- Truss Phillips (18-8)
- Flat Six-Lobe (18-8)
- Flat Six-Lobe Undercut (18-8)
- Pan Six-Lobe (410)
- Pan Six-Lobe (18-8)
- Pan Six-Lobe (Black Oxide Over 18-8)
- Hex Washer Unslotted (18-8)



TRILOBULAR TAPTITE®-II ALTERNATIVE STEEL ZINC & WAXED

- 82° Flat Phillips
- 82° Flat Phillips Undercut
- 100° Flat Phillips
- Oval Phillips
- Oval Phillips Undercut
- Pan Phillips
- Serrated Pan Phillips
- Truss Phillips
- Hex Washer Phillips
- Flat Six-Lobe
- Flat Six-Lobe Undercut
- Pan Six-Lobe
- Truss Six-Lobe
- Pan Pozi
- Pan Slotted
- Hex Washer Slotted (Zinc)
- Hex Washer Slotted (Zinc Green)
- Serrated Hex Washer Slotted
- Hex Washer Unslotted (Zinc)
- Hex Washer Unslotted (Zinc Green)
- Serrated Hex Washer Unslotted
- Hex Unslotted



SEMS TRILOBULAR TAPTITE®-II ALTERNATIVE STEEL ZINC & WAXED

- External Tooth (Pan Phillips)
- Internal Tooth (Pan Phillips)



TRILOBULAR TAPTITE®-II ALTERNATIVE STEEL ZINC & WAXED

- Flat Phillips
- Flat Phillips Undercut
- Oval Phillips
- Oval Phillips Undercut
- Pan Phillips
- Truss Phillips
- Flat Six-Lobe
- Flat Undercut Six-Lobe
- Pan Six-Lobe
- Hex Washer Unslotted
- Serrated Hex Washer Unslotted
- Hex Washer Slotted



TRILOBULAR TAPTITE®-II ALTERNATIVE STEEL BLACK OXIDE & WAXED

- Flat Phillips
- Flat Phillips Undercut
- Pan Phillips
- Hex Washer Slotted
- Hex Washer Unslotted
- Flat Six-Lobe
- Pan Six-Lobe



TRILOBULAR PLASTITE® 48-2 ALTERNATIVE STEEL BLACK OXIDE & WAXED

- Flat Phillips
- Flat Phillips Undercut
- Pan Phillips
- Hex Washer Unslotted
- Flat Six-Lobe
- Flat Undercut Six-Lobe
- Pan Six-Lobe



TRILOBULAR PLASTITE® 48-2 ALTERNATIVE STAINLESS BLACK OXIDE & WAXED

- Pan Phillips (18-8)
- Pan Six-Lobe (18-8)



STEEL BLACK ZINC & WAXED

- Pan Phillips Taptite® II-Alternative
- Pan Six-Lobe Taptite® II-Alternative
- Pan Phillips Plastite®-Alternative
- Pan Six-Lobe Plastite®-Alternative



STEEL YELLOW ZINC & WAXED

- Hex Washer Slotted Taptite® II-Alternative
- Hex Washer Slotted Taptite® II-Alternative (RoHS)
- Hex Washer Unslotted Taptite® II-Alternative (RoHS)



STEEL GREEN ZINC & WAXED

- Hex Washer Combo Taptite® II-Alternative

METRIC SIZES



EJOT® TYPE-PT® ALTERNATIVES THREAD-FORMING SCREWS (A2 STAINLESS)

- Flat Phillips
- Pan Phillips
- Flat Six-Lobe
- Pan Six-Lobe
- Round Washer Six-Lobe



EJOT® TYPE-PT® ALTERNATIVES THREAD-FORMING SCREWS (STEEL ZINC)

- Flat Phillips
- Pan Phillips
- Flat Six-Lobe
- Pan Six-Lobe
- Round Washer Six-Lobe



PLASTITE® / PLAS-FIX® 45 ALTERNATIVES STEEL ROHS ZINC

- Flat Phillips
- Pan Phillips
- Flat Six-Lobe
- Pan Six-Lobe
- Round Washer Six-Lobe



TRILOBULAR THREAD-ROLLING SCREWS TO DIN 7500 18-8 STAINLESS, PASSIVATED & WAXED

- DIN 7500-M Flat Six-Lobe
- DIN 7500-CE Pan Six-Lobe
- DIN 7500-M Flat Type-Z
- DIN 7500-C Pan Type-Z
- DIN 7500-D Hex Washer Unslotted



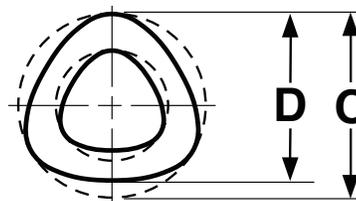
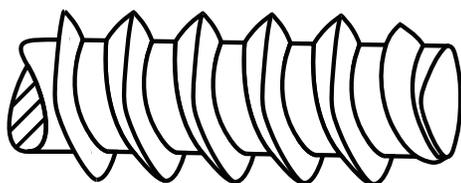
TRILOBULAR THREAD-ROLLING SCREWS TO DIN 7500 STEEL ZINC

- DIN 7500-D Hex Washer Unslotted (Zinc)
- DIN 7500-C Pan Type-Z (Zinc)
- DIN 7500-C Pan Type-Z (Zinc Black)
- DIN 7500-C Pan Type-Z (Zinc Yellow)
- DIN 7500-CE Pan Six-Lobe (Zinc)



THREAD ROLLING

Plastite® 48-2



PLASTITE® 48-2 THREAD ROLLING SCREWS

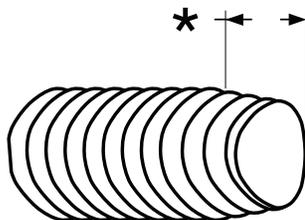
REMINC

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
Tolerance on Length		Thru 3/4": ±.030"		Over 3/4": ±.050"		Over 1/4" Diameter, All Lengths: ±.050"	

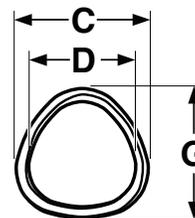
* Specifications for the 0-40 & 5-20 diameters are independent from the REMINC standard and are listed here for reference purposes only.

Description	Trilateral 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	<i>Steel</i>	<i>Stainless</i>
	AISI 1022 steel	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	No. 2 thru 6 diameters: .002 - .007 No. 8 thru 10 diameters: .004 - .009 1/4" diameter: .005 - .011	-
Core Hardness	<u>Core:</u> Rockwell C28-38 (after tempering)	18-8: Rockwell B90 - C20 (approx.) 410: Rockwell C38 - 46 (approx.)
Plating	Various finishes with wax coating (see Appendix-A)	Stainless thread rolling screws are supplied passivated & waxed.

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



*2-3 Pitch Lead Length



TAPTITE® II THREAD ROLLING SCREWS					REMINC
Nominal Screw Width	C		D		G
	Screw Body Dimensions				Point
	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	Trilobular 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 corred holes in all ductile metals and punch extruded metals. Eliminates chips, requires low drive torque and provides excellent resistance to vibrational loosening.	
Material	Steel	Stainless
	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%	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	<u>Core:</u> 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.

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KANEBRIDGE MAKES IT EASY TO IDENTIFY WHAT PARTS ARE MANUFACTURED IN THE U.S.A. OR ELSEWHERE



TRUSS PHILLIPS
GENERIC ALTERNATIVES TO PLASTITE® 48-2 THREAD ROLLING SCREWS*

CASE HARDENED TO ROCKWELL C45 MIN. (CORE HARDNESS: ROCKWELL C28-38)
TRILOBULAR DESIGN / FULLY THREADED
STEEL ZINC PLATED & WAXED

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ITEM #	ITEM SIZE	ORIGIN	CARTON QTY	UM	LBS/UM
0404LPT	4-20X1/4	Import	10.000	M	0.62
0408LPT	4-20X1/2	U.S.A.	10.000	M	1.12
0604LPT	6-19X1/4	Import	10.000	M	1.73
0606LPT	6-19X3/8	Import	10.000	M	2.00
0608LPT	6-19X1/2	Import	10.000	M	2.42
0612LPT	6-19X3/4	U.S.A.	10.000	M	3.21
0808LPT	8-16X1/2	Import	10.000	M	3.74
0810LPT	8-16X5/8	U.S.A.	10.000	M	4.60
1006LPT	10-14X3/8	Import	10.000	M	4.97
1008LPT	10-14X1/2	Import	6.000	M	5.75

Item Information:

Item #: 0612LPT | Size: 6-19X3/4

Phillips Full Contour Truss Plastite Alternative 48-2 Fully Thrd Zinc Bake & Wax



TRUSS PHILLIPS
GENERIC ALTERNATIVES TO PLASTITE® 48-2 THREAD ROLLING SCREWS*

CASE HARDENED TO ROCKWELL C45 MIN. (CORE HARDNESS: ROCKWELL C28-38)
TRILOBULAR DESIGN / FULLY THREADED
STEEL ZINC PLATED & WAXED

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Origin: U.S.A.

CARTON QTY	UM	REGULAR PRICE/UM 1 TO 4 CTNS	DISCOUNTED PRICE/UM 5 OR MORE CTNS	WEIGHT/UM
10.000	M	\$21.89	\$19.90	3.2 lbs

How many full cartons do you wish to check stock?

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