



# TAPTITE 2000® FASTENERS

FEATURING THE INNOVATIVE RADIUS PROFILE™ THREAD

Taptite 2000® high performance thread rolling fasteners are specially designed to lower your in-place fastening costs. Taptite 2000® fasteners form internal threads in plain holes in ductile materials upon initial installation, which:

- Eliminates the need to pre-tap the nut member
- Reduces problems associated with assembling screws and bolts into pre-tapped holes, such as cross-threading



## FEATURES

- ▶ Trilobular™ Configuration
- ▶ Radius Profile™ Thread lowers thread forming torque without sacrificing performance
- ▶ Roll Forms Own Work-hardened Mating Threads
- ▶ Available with TORX PLUS® Drive System

## BENEFITS

- ▶ Reduces friction, increases prevailing torque, resists loosening caused by vibration, and lower end load requirements
- ▶ Higher, more uniform drive-to-fail ratio, increased drive-to-strip ratio, resist internal thread stripping, excellent axial alignment
- ▶ Results in higher strength internal threads due to the cold flow/work hardening that occurs during the forming of the nut thread
- ▶ Significantly extends tool life and ideal drive system for maximum torque transfer

## INDUSTRY APPLICATIONS

- ▶ Automotive
- ▶ Industrial
- ▶ Construction
- ▶ Business Equipment

## SPECIFICATIONS

- ▶ Radius Profile™ thread with twin-lead helix angle
- ▶ Undercut head and Standard Taptite® point; also available in SP™ (short point) and CA point
- ▶ TORX PLUS® Drive System recommended
- ▶ Low carbon steel, medium carbon steel, alloy steel, stainless steel, and will accept all typical fastener finishes

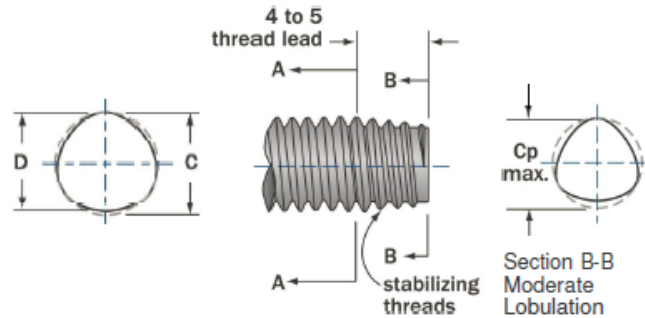
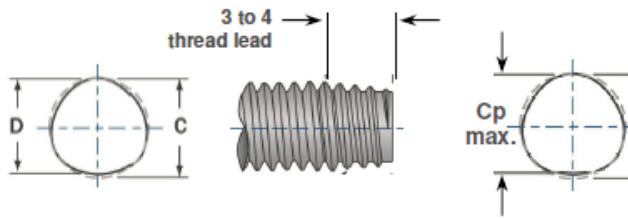




**DIMENSIONAL DATA**

TAPTITE 2000® thread-forming technology joined two unique concepts and advanced fastener performance to new levels.

Hitting the market in 1998, the TAPTITE 2000® family of fasteners introduced an innovative new thread design - the Radius Profile™ thread. The proven TRILOBULAR® principle is maintained with a dual lobulation in the screw body, while incorporating the Radius Profile™ thread.



TAPTITE 2000® fasteners have a special point design featuring a long lead (3-5 threads) for low thread-forming torque.

Larger sizes, M6 (#12) and larger, have stabilizing threads to aid alignment and ease starting.

SCREW SIZE (METRIC)	(C) NOMINAL	(D) NOMINAL	POINT CP MAX
M1.6 x 0.35	1.60	1.56	1.40
M2.0 x 0.40	2.00	1.96	1.77
M2.5 x 0.45	2.50	2.45	2.25
M3 x 0.5	3.00	2.95	2.71
M3.5 x 0.6	3.50	3.44	3.17
M4 x 0.7	4.00	3.93	3.60
M5 x 0.8	5.00	4.92	4.55
M6 x 1.0	6.00	5.90	5.38
M8 x 1.25	8.00	7.87	7.23
M10 x 1.5	10.00	9.85	9.08
M12 x 1.75	12.00	11.82	10.92
M14 x 2.0	14.00	13.80	12.77
M16 x 2.0	16.00	15.80	14.76

SCREW SIZE (INCHES)	(C) NOMINAL	(D) NOMINAL	POINT CP MAX
2-56	0.086	0.084	0.077
3-48	0.099	0.097	0.088
4-40	0.112	0.110	0.098
5-40	0.125	0.123	0.111
6-32	0.138	0.135	0.121
8-32	0.164	0.161	0.147
10-24	0.190	0.186	0.167
10-32	0.190	0.187	0.174
12-24	0.216	0.212	0.193
1/4-20	0.250	0.245	0.220
5/16-18	0.313	0.307	0.279
3/8-16	0.375	0.369	0.337
7/16-14	0.438	0.431	0.394
7/16-20	0.438	0.433	0.407
1/2-13	0.500	0.492	0.453
9/16-12	0.563	0.555	0.511
5/8-11	0.625	0.616	0.569