

## Item # item-1113, Inch Series TAPTITE 2000® Screws and Bolts

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TAPTITE 2000® thread forming technology joins two unique concepts and advances fastener performance to new levels. TAPTITE® 2000™ fasteners afford end-users with enhanced opportunities to reduce the overall **Cost of Assembly**.

TAPTITE 2000® fasteners are designed to provide the benefits of prior Taptite® fastener products with an innovative new thread design - the **Radius Profile™ Thread**. The proven Trilobular™ principle is maintained while incorporating the Radius Profile™ thread. The result is a new generation of TAPTITE 2000® fasteners, which provides excellent mechanical, assembly, and ergonomic characteristics surpassed by no other technology.

### TAPTITE 2000® HEAT TREATMENT

TAPTITE 2000® bolts perform well in large diameter sizes in deep thread engagements. In the past, the limitations of case-hardened products restricted the exploitation of in-place cost savings for larger diameter Trilobular™ fasteners. However, TAPTITE 2000® screws and bolts are available with 3 different types of heat treatment: CORFLEX®-I, CORFLEX® N, and case hardened, making the fasteners adaptable to a wider variety of applications.

**CORFLEX®-I Heat Treatment** - CORFLEX®-I TAPTITE 2000® bolts are neutral hardened to grade strength, metric 8.8, 9.8, 10.9 or any intermediate value. The thread forming zone is selectively induction hardened in order to form threads in untapped nuts. CORFLEX®-I heat treatment allows TAPTITE 2000® thread rolling bolts to provide in-place cost savings in large structural applications with strength, ductility and toughness equal to grade strength machine screws or bolts. CORFLEX®-I heat treatment to Grade 10.9 level is standard for TAPTITE® 2000® bolts in sizes M6 (1/4") and larger.

**CORFLEX®-N Heat Treatment** - CORFLEX®-N TAPTITE 2000® fasteners are neutral hardened to grade 10.9 strength level. CORFLEX®-N products are designed to be used in "soft white" metals such as aluminum or zinc alloys. CORFLEX®-N heat treatment can be specified for any size TAPTITE 2000® screws or bolts that are intended to be used in aluminum or zinc alloys.

**Case Hardening** - Case hardening is the standard heat treatment for all TAPTITE 2000® screws in sizes M5 (#12) and smaller.

### HEAT TAILORED FOR EXTRA TOUGHNESS

Pin-point precision of high hardness zone in axial section of a CORFLEX®-I fastener is shown by the crescent shaped areas in this chemically etched mount.



### MORE IMAGES

[Radius Profile Thread](#)  
[Heating Treatment](#)  
[Heat Tailored for Extra Toughness](#)  
[Detail](#)

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### Specifications

<b>Screw Size</b>	3-48 in
<b>Nominal C Dimension</b>	0.099 in
<b>Nominal D Dimension</b>	0.097 in
<b>Max. Point Cp</b>	0.088 in

### Advantages of the Taptite 2000® Fastener

- "Ergonomically" Friendly
- "Assembly" Friendly
- Superior Vibration Resistance
- Excellent Axial Alignment
- Low End Load
- High Strip-to-Drive Ratio
- High Prevailing Torque

- Excellent Torque Tension Relationship

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