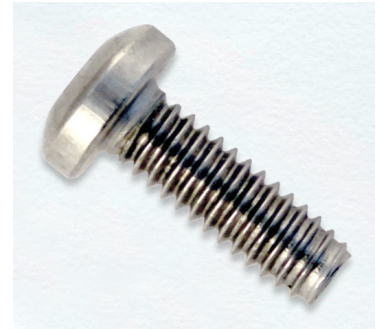


## TAPTITE II® TRILOBULAR™ Fasteners

### Overview

TAPTITE II® thread rolling screws have the TRILOBULAR™ shape which reduces friction during thread forming, provides prevailing torque which exceeds the level of locking screws, and most importantly, inherently provides resistance to vibrational loosening.



### Lower In-Place Fastening Costs

- Only 15% of the total in-place cost of a fastening is the cost of the screw or bolt. TAPTITE II® screws and bolts lower the cost of the remaining 85%. The following is a list of some of the cost-savings advantages of using TAPTITE II® thread rolling screws.
- Elimination of separate tapping operations and associated costs.
- Built-in resistance to vibrational loosening eliminates the need for lock washers, adhesives, or plastic patches and plugs.
- Generates stronger mating threads with uninterrupted grain flow due to work hardening of the nut for higher stripping resistance.
- Accepts larger pilot hole variations than drilled and tapped holes.
- Works in punched, drilled, cored and extruded holes in many different metals.
- With use of CORFLEX® metallurgy, can be provided in grade strengths of high tensile bolts for use in structural applications in deep thread lengths of engagement.
- No assembly line cross threading.
- Prevailing torque often equals or exceeds locking screw standards.

### Inch Series TAPTITE II® Screws and Bolts

To utilize the in-place cost savings and performance benefits of TAPTITE II® screws in large sizes in structural applications, the combination of CORFLEX®-I selective hardening is highly beneficial. CORFLEX®-I TAPTITE II® bolts can be used where high-strength grade-strength level bolts are required.

### Reduced In-Place Cost!!

### DUO-TAPTITE® Fasteners

TAPTITE® screws were the leap forward in high production assembly using threaded fasteners. DUO-TAPTITE® screws represent the refinement of the TRILOBULAR™ principle for specific demanding applications.

DUO-TAPTITE® screws have generous lobulation at the screw point for easy entry and optimum thread forming action plus reduced lobulation in the screw body holding area. A stabilizing threaded dog point insures ready, aligned entry, with easy pick-up requiring minimal starting end load.

### Advantages

- High vibrational resistance
- Good axial alignment

- Low end load
- High strip-to-drive ratio
- High prevailing torque
- Good torque tension

#### **EXTRUDE-TITE® Fasteners**

EXTRUDE-TITE® TRILOBULAR™ thread rolling screws have a gimlet point for use when clearance holes and pilot holes are not in line. EXTRUDE-TITE® screws have less TRILOBULAR™ shape for use in more demanding sheet metal applications or in applications with minimal length of engagement. Low starting torque and initial end load, desirable features with large diameter fasteners, are provided by a second thread forming taper and by the TAPTITE II® step in the point.