



# Engineering Solutions

## Plastite® 48 Thread-Forming Fastener

*Eliminates need for inserts and lock washers!*

The Plastite® 48 fastener combines a unique tri-lobular body with a 48° thread profile to maximize performance and reliability. Two thread-forming styles are available to meet the specific requirements of a wide range of thermoplastics.

### Advantages

- Reduces possibility of boss failure
- Increases product reliability
- Eliminates need for inserts and lock washers

### Features and Benefits

Tri-roundular configuration allows displaced material to cold flow back into relief areas

- Minimizes radial stress
- Reduces possibility of boss failure
- Eliminates need for inserts and lock washers
- Allows design of thinner bosses

48° thread profile allows threads to penetrate deeply into plastic

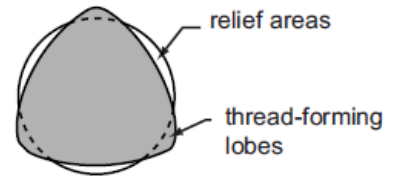
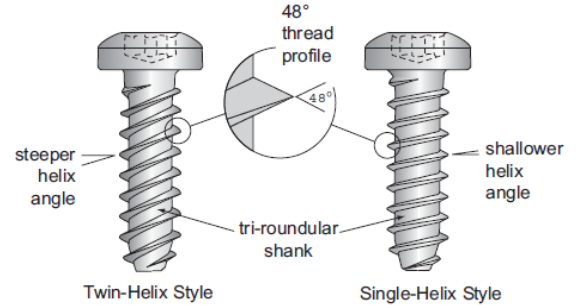
- Generates strong mating threads
- Resists vibration loosening
- Reduces probability of strip-out and pull-out

Twin lead design and steep helix angle provides greater shear area in softer plastics (with a flexural modulus up to 850,000 p.s.i.)

- Increases holding power
- Allows faster seating of fastener

Single lead design and narrow helix angle lowers drive torque and failure torque in stiffer thermoplastics (with flexural modulus between 850,000 and 1,300,000 p.s.i.)

- Creates less stress on the boss



### Specifications:

Sizes:	#00-5/16". Other sizes available on request
Head Styles:	Can be used with any external or internal head designs; pan, hex washer, and flat styles standard
Drive System:	Can use any system
Finish:	As required



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