

Plastite® 48 Thread-forming Fasteners

Two Styles to maximise Performance and Reliability

Plastite® 48 fasteners combine a unique TRILOBULAR™ body with a 48° thread profile to maximize performance and reliability. Available in twin and single helix styles, the Plastite® 48 fastener eliminates the need for inserts and lock washers and reduces the possibility of boss failure. The two styles are available to meet specific requirements of a wide range of thermoplastics.

Features and Benefits

TRILOBULAR™ configuration that 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
- Enables design of thinner bosses

48° thread profile allows threads to penetrate deeply into plastic material

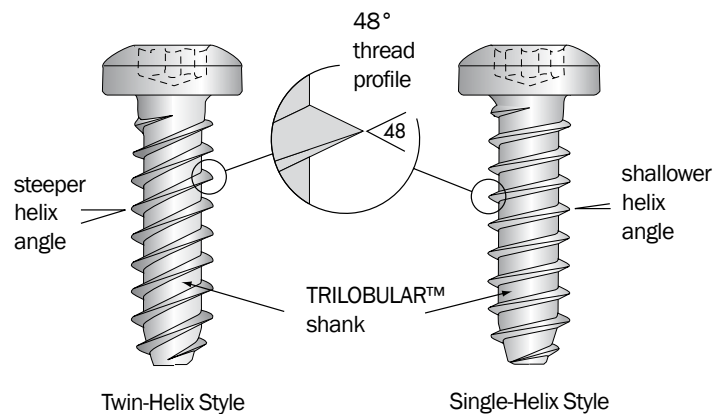
- Generates strong mating threads
- Resists vibration loosening
- Increases resistance to strip-out

Twin lead design and steep helix angle provides greater shear area in softer thermoplastics 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 in stiffer thermoplastics with a flexural modulus between 850,000 and 1,400,000 p.s.i.

- Creates less stress on the boss



Specifications

Sizes

#00 – 5/16" (metric sizes 1.12 – 8.51); other sizes may be available upon 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, including TORX PLUS® Drive System

Applications

Twin Helix Style Thermoplastics with a flexural modulus up to 850,000 p.s.i.

Single Helix Style Thermoplastics with a flexural modulus between 850,000 p.s.i. and 1,400,000 p.s.i.



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