



# Engineering Solutions

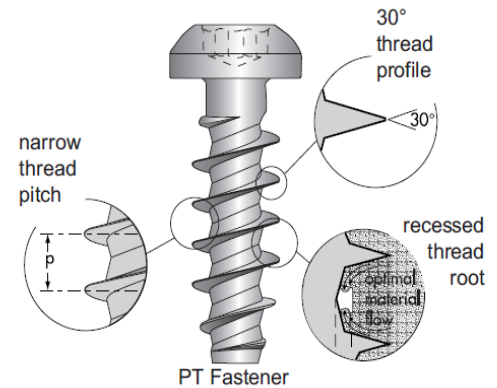
## PT<sup>®</sup> Thread-Forming Fasteners

*Perfect for increased thread engagement!*

With a high thread profile and recessed thread root, the PT fastener provides increased thread engagement with minimal stress on the boss. It provides optimal performance in a wide range of thermoplastics.

### Advantages

- It provides optimal performance in a wide range of thermoplastics
- Provides maximum resistance to back-out and pull-out
- Minimizes boss failure
- Increases product reliability



### Features and Benefits

Narrow 30° thread profile minimizes radial expansion and stress in boss

- Permits use of thinner bosses, which can reduce cycling times and material
- Reduces back-out caused by relaxation
- Increases load-carrying capability through increased thread engagement
- Can be used in repeat assembly operations

Optimum thread pitch allows deeper thread engagement

- Provides increased pull-out values
- Optimizes non-reversibility
- Balances load ratio between plastic and screw

Recessed thread root allows optimal material flow

- Minimizes installation torque
- Improves clamp load
- Minimizes potential of boss cracking

Round body evenly distributes surface contact between application and screw

- Improves load ratio
- Reduces high points of stress on the boss
- Through hardened to Rc 33-39

### Tech Specs:

Size: M1.5-M10 Diameter  
Head Styles: Can be used with any head design  
Specials: Shoulder screws, sems, double end studs, collar studs; others as required



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