

**Delta PT® fasteners are engineered to provide maximum performance in a wide range of thermoplastics.**

**The improved thread design results in a stronger fastener that creates optimal material flow during installation, providing higher performance, better clamp loads and increased joint life.**

## Main Properties

- Provides optimal performance in all types of thermoplastics
- Provides increased torsional and tensile strength over PT® fasteners
- Provides high strength and in-place reliability
- Can achieve higher clamp loads

## Features

Flank geometry engineered to provide better material flow during installation:

- Provides high flank engagement
- Can achieve higher clamp loads and seating torques
- Optimizes material flow
- May allow use of shorter fasteners and/or smaller diameters, if necessary

Larger fastener cross-section:

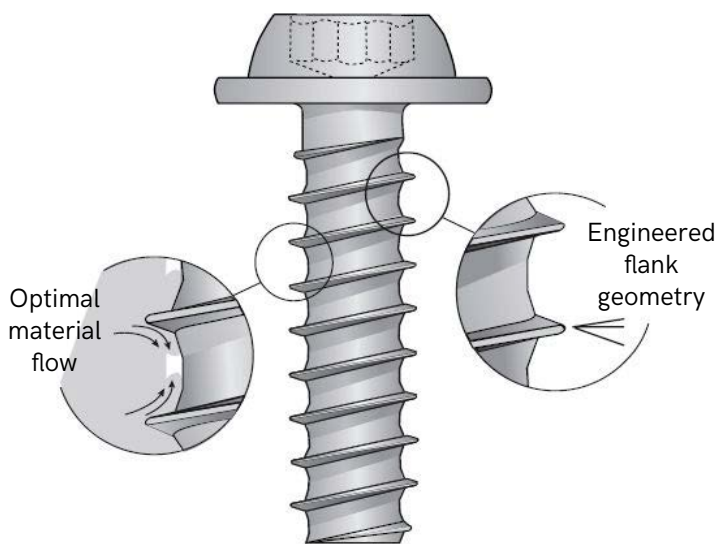
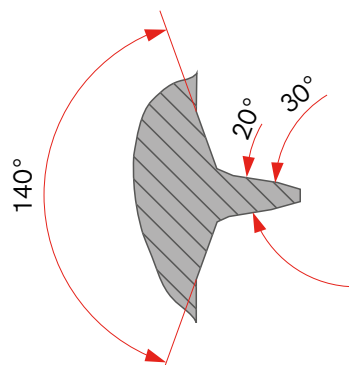
- Increases shear area and fastener strength
- Provides increased torsional and tensile strength

Optimized pitch:

- Allows high clamp load with smaller contact pressure
- Minimizes radial stress

## Specifications

- Sizes:  $\varnothing$  2.5 to 8 mm; other sizes may be available upon request
- Head Styles: Can be used with any head design
- Specials: Shoulder screws, sems, double end studs, collar studs; others as required.
- Drive System: Can use any system.
- Finish: As required.
- Applications: Thermoplastics with a flexural modulus up to 9700 N/mm<sup>2</sup>.



# DELTA PT<sup>®</sup>

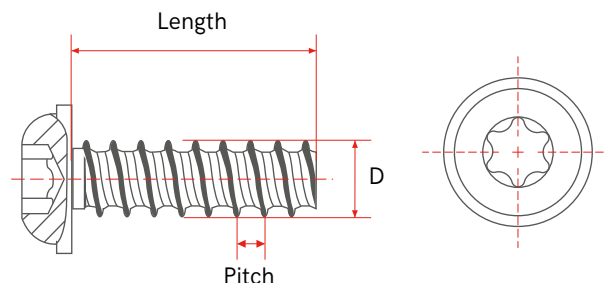
## Screw for plastic

### Technical data sheet

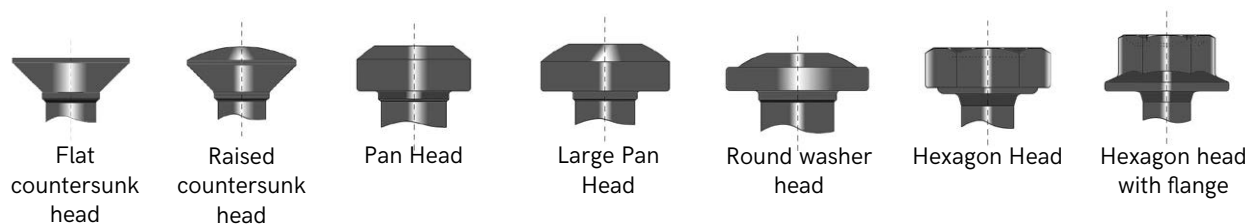
Material : Steel class 1000N/mm<sup>2</sup>

Hardness: 320 to 380 HV10

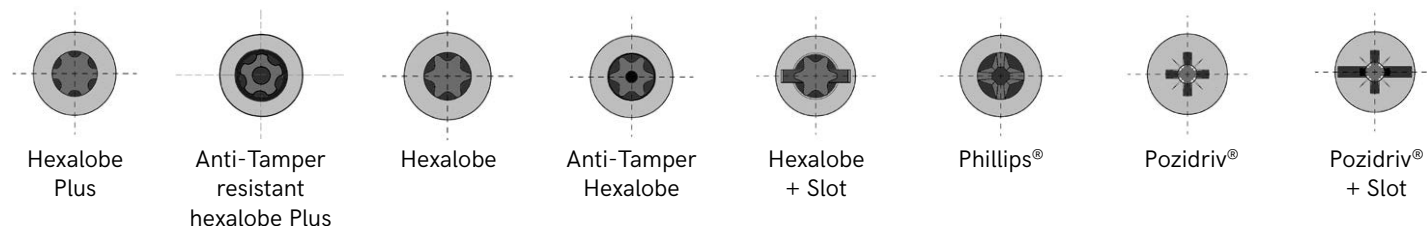
Other materials allowed



### Head shapes



### Socket type



| Dia nom.    | 2.5         | 3.0         | 3.5         | 4.0         | 4.5         | 5.0         | 6.0         | 7.0         | 8.0         |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| D           | 2.50 - 2.60 | 3.00 - 3.10 | 3.50 - 3.60 | 4.00 - 4.10 | 4.50 - 4.60 | 5.00 - 5.15 | 6.00 - 6.15 | 7.00 - 7.18 | 8.00 - 8.18 |
| Pitch       | 0.95        | 1.12        | 1.29        | 1.46        | 1.63        | 1.80        | 2.14        | 7.18        | 2.82        |
| Length      |             |             |             |             |             |             |             |             |             |
| 4 +/- 0.375 |             |             |             |             |             |             |             |             |             |
| 6 +/- 0.375 |             |             |             |             |             |             |             |             |             |
| 8 +/- 0.45  |             |             |             |             |             |             |             |             |             |
| 10 +/- 0.45 |             |             |             |             |             |             |             |             |             |
| 12 +/- 0.55 |             |             |             |             |             |             |             |             |             |
| 16 +/- 0.55 |             |             |             |             |             |             |             |             |             |
| 18 +/- 0.55 |             |             |             |             |             |             |             |             |             |
| 20 +/- 0.65 |             |             |             |             |             |             |             |             |             |
| 25 +/- 0.65 |             |             |             |             |             |             |             |             |             |
| 30 +/- 0.65 |             |             |             |             |             |             |             |             |             |
| 35 +/- 0.80 |             |             |             |             |             |             |             |             |             |
| 40 +/- 0.80 |             |             |             |             |             |             |             |             |             |
| 45 +/- 0.80 |             |             |             |             |             |             |             |             |             |
| 50 +/- 0.80 |             |             |             |             |             |             |             |             |             |
| 60 +/- 0.95 |             |             |             |             |             |             |             |             |             |
| 70 +/- 0.95 |             |             |             |             |             |             |             |             |             |

Values in mm