

Technical data sheet

SIMPSON

Strong-Tie

TNT Hex Head Masonry Screw

The Titen Turbo concrete and masonry screw is ideal for attaching all types of components to concrete and masonry. The improved thread design undercuts the base material more efficiently. This reduces installation torque making it easier to drive without binding, breaking or stripping, even during installation into hard base material. Driver bit not included.



Features

Material

Steel - Zinc plated with baked on ceramic coating

Features

- Patented undercutting threads reduce installation torque
- Hex and flat screw head helps with installation
- 6.4mm diameter
- Blue colour for simple on site recognition
- For use in dry interior environments
- Drill bit included in each box

Applications

Common Applications

The Titen hex head screw can be used to connect SCB, FCB and LGSSC brackets to the concrete substrate. Pre drilling is required.

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Product Dimensions

| References | Fastener dimensions [mm] | | | | | |
|------------|--------------------------|----------------|----|-----|----------------|-----------|
| | Head | d _w | l | d | d ₁ | Drill Dia |
| TNT25134H | 5/16" Hex | 10 | 45 | 6.4 | 4.8 | 4.8 |

Performance Values

| References | Recommended Loads [kN] | | Design Resistance [kN] | | Characteristic Resistance [kN] | |
|------------|-----------------------------|---------------------------|----------------------------|--------------------------|--------------------------------|--------------------------|
| | Tension (N _{Rec}) | Shear (V _{Rec}) | Tension (N _{rd}) | Shear (V _{rd}) | Tension (N _{rk}) | Shear (V _{rk}) |
| TNT25134H | 1.9 | 3.2 | 2.7 | 4.5 | 4.8 | 8.7 |

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Installation

Installation Information

| References | Drill Hole Depth (h_1) [mm] | Effective Embedment Depth (h_{ef}) [mm] | Characteristic Spacing ($S_{cr,N}$) [mm] | Minimum Spacing (S_{min}) [mm] | Characteristic Edge Distance ($C_{cr,N}$) [mm] | Minimum Edge Distance (C_{min}) [mm] | Minimum Concrete Thickness (h_{min}) [mm] | Installation Torque (C20/25) (T_{sd}) [Nm] |
|------------|---------------------------------------|---|--|--|--|--|---|--|
| TNT25134H | 45 | 26 | 78 | 50 | 75 | 45 | 80 | 105 |

