

## Rod Hanger Tapcon - Horizontal for Steel

**Overhead threaded rod anchoring system.**

### Specification

Diameter	6.5mm
Threaded Rod	M10
Thread form	Self Tapping
Point type	Teks
Finish	Carbon Steel
Approvals	UL, NFPA
Head style	Female M10

### Substrates

- Wood - joist, flooring, composite joist / truss
- Steel
- Concrete
- Pre-cast concrete beams
- Blockwork
- Brickwork

### Applications

- Fire Protection - sprinkler systems
- Plumbing / Mechanical Contractors - air, water, hydraulics
- Electrical Contractors - conduit, cable trays, lighting, low voltage cabling
- HVAC - unit heaters, A/C units, duct work, refrigeration
- Industrial Maintenance - work in the rafters

### Installation Equipment

- Rotary Hammer (SP21, 322, 327, 331)
- Correct size drill bit
- Rod Hanger Tapcon Concrete Condrive Kit

### Installation

1. Insert horizontal installation Socket into 3 jaw chuck of rotary percussion drill.  
Note: 500 - 1,500rpm drill for installation into steel.
2. Place Rod Hanger Tapcon into Socket (drill should be in a vertical position).
3. Ensure the Rod Hanger Tapcon and Socket are pressed firmly against the steel.  
Ensure drill is not in hammer action mode.
4. Drive Rod Hanger Tapcon until Socket spins free.
5. Insert Threaded Rod.
6. Add retainer nut and torque to 2.26N/mm<sup>2</sup> for maximum pull-out in steel purlin.

Note: If drill chips are blue in colour, this indicates drill RPM is too high

### Special Installation System

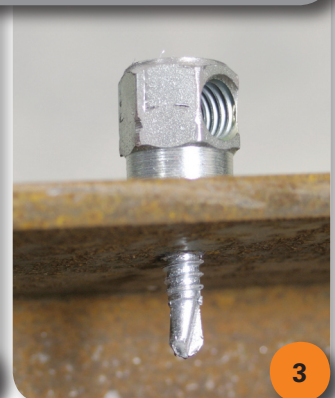
The installation sockets are designed with a unique automatic release mechanism to prevent over tightening. This provides a fast and safe installation each time. When the face of the driver comes in contact with the material you are installing into, continue drilling until nut driver spins free. Installation is then complete.



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**Product Range - Rod Hanger Tapcon Horizontal for Steel**

Eurocode	Description	Anchor Diameter	Drill Diameter	Anchor Length	Box Qty
921411	Rod Hanger Tapcon Horizontal for Steel	6.5mm	Self Drill	25mm	25
921412	Rod Hanger Tapcon Horizontal for Steel + Nut	6.5mm	Self Drill	25mm	25

**Performance Data - Rod Hanger Tapcon Horizontal for Steel**

Code	Screw Description	UL Test Load	UL/FM Pipe Size	Min Steel Thickness	Max Steel Thickness	Actual Pull-out
921411	6.36 x 14 x 25	6.67kN	100mm	1.52mm	6.36mm	6.57kN (1.52mm)
921412	6.36 x 20 x 25	6.67kN	100mm	0.91mm	6.36mm	8.45kN (0.91mm)

NB. Pull-out loads are ultimate shear loads.

**A safety factor of at least 4 should be given to the above figures to obtain the recommended/safe working loads.**