

## Rod Hanger Tapcon - Vertical for Concrete



### Overhead threaded rod anchoring system.

#### Specification

Diameter	8mm
Threaded Rod	M10
Thread form	Reversed Hi-Lo®
Point type	Nail
Finish	Blue Climaseal
Approvals	NFPA (National Fire Protection Association)
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

#### Corrosion - Salt spray results (ASTM B117)

Kesternich Results (DIN 5008, 2.0L) = 30 Cycles - 10% or less red rust  
 Salt Spray Results (ASTM B117) = 750 Hours - 10% or less red rust

#### Installation Equipment

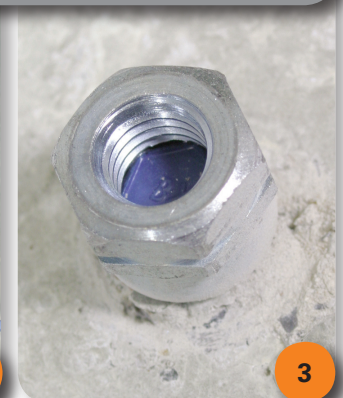
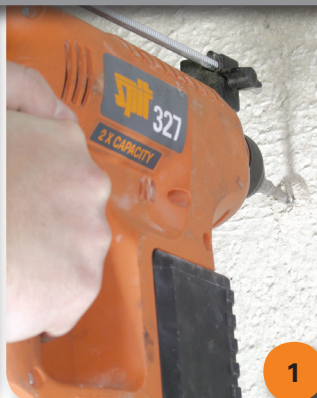
- Rotary Hammer (SP21, 322, 327, 331)
- Correct size drill bit
- Rod Hanger Tapcon Concrete Condrive Kit

#### Installation

1. Drill hole with correct size drill bit to recommended depth and diameter (see table attached).
2. Insert anchor into Rod Hanger Tapcon Installation Socket.
3. Use drill (hammer setting off) to drive the anchor into pre drilled hole until head of anchor is flush with substrate, socket will automatically disengage.

#### 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.



**Product Range - Rod Hanger Tapcon Vertical for Concrete**

Eurocode	Description	Anchor Diameter	Drill Diameter	Anchor Length	Drill Depth	Box Qty
921413	M10 Rod Hanger Tapcon Vertical	8mm	6.5mm	44mm	54mm	25

**Performance Data - Rod Hanger Tapcon Vertical for Concrete Recommended Loads**

Edge Distance	Embed Depth	Concrete Tensile	Concrete Shear	Hollow Block Grouted Core Tensile	Hollow Block Grouted Core Shear	Hollow Block No Grouted Core Tensile	Hollow Block No Grouted Core Shear
40mm	32mm	1.55kN	1.62kN	-	-	-	-
56mm	32mm	1.78kN	2.55kN	-	-	-	-
79mm	32mm	1.78kN	3.22kN	-	-	-	-
102mm	32mm	-	-	-	-	1.54kN	3.38kN
40mm	44mm	2.99kN	2.26kN	-	-	-	-
44mm	44mm	-	-	-	-	-	-
56mm	44mm	3.34kN	3.71kN	-	-	-	-
79mm	44mm	3.45kN	3.72kN	-	-	-	-
102mm	44mm	-	-	2.89kN	4.18kN	-	-

Note: Concrete = 20.7N/mm<sup>2</sup> • Hollow Block 11.03N/mm<sup>2</sup> with grouted core minimum 13.8N/mm<sup>2</sup> • Hollow Block 11.03N/mm<sup>2</sup>

**A safety factor of 3 has been applied to indicate recommended/safe working loads**