

Hex Head and Countersunk Tapcon



Drill, Drive, Done

The original masonry fastening system that cuts it's own thread into concrete, brick and hollow block.

Specification

Diameter	5mm and 6mm
Thread form	Reversed Hi-Lo®
Point type	Nail
Finish	Blue Climaseal

Substrates

- Concrete
- Masonry
- Blockwork
- Pre-cast hollow concrete beams
- Wood

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

Approvals

SBCCi Approved 9759
 Metro-Dade Approved 02 - 0311 - 03
 ICBO Approved 3370

Electrical & Mechanical Applications

- Saddles
- Conduit clips
- Back boxes
- P Clips
- Cable cleats
- Ductwork
- Cable trays, channel
- Suspended ceilings
- Cable clips

Installation Equipment

- Rotary Hammer (SP21, 322, 327, HDI 244)
- Correct size drill bit
- Condrive Kit (Condrive 1000)

Steel & Concrete Applications

- Formwork
- Battens
- Base plates
- Plywood backer boards
- Railings, hand rails
- Gates, brackets and signs
- Fire protection & exterior insulation systems to masonry

Installation

1. Drill hole with correct size drill bit to recommended depth and diameter (see table attached). Hole can be drilled through part to be fixed into substrate.
2. Insert anchor into corresponding Condrive socket.
3. Use drill (hammer setting off) or screwdriver to drive the anchor into pre drilled hole, anchor will automatically disengage once anchor is installed to correct depth.

Performance Data - Tapcon Basic Strength Figures

Anchor Diameter	Ultimate Tensile	Ultimate Shear
5mm	8.33kN	4.69kN
6mm	17.37kN	9.41kN

Performance Data - Tapcon Recommended* Shear and Tensile Values in Concrete

Anchor Ø	Hole Ø	Embed Depth	Med Density Block Tensile	Med Density Block Shear	20N/ mm ² Con Tensile	20N/ mm ² Con Shear	25N/ mm ² Con Tensile	25N/ mm ² Con Shear	35N/ mm ² Con Tensile	35N/mm ² Con Shear
5mm	4mm	25mm	0.36kN	1.1kN	0.5kN	1.23kN	0.6kN	1.23kN	0.66kN	1.26kN
5mm	4mm	32mm	0.66kN	1.16kN	0.86kN	1.26kN	0.9kN	1.23kN	0.93kN	1.26kN
5mm	4mm	38mm	0.93kN	1.2kN	1.26kN	1.26kN	1.3kN	1.3kN	1.36kN	1.33kN
5mm	4mm	44mm	1.13kN	1.36kN	1.56kN	1.5kN	1.66kN	1.5kN	1.83kN	1.5kN
6mm	5mm	25mm	0.76kN	1.66kN	1.06kN	2.16kN	1.2kN	2.3kN	1.36kN	2.46kN
6mm	5mm	32mm	1.23kN	1.9kN	1.7kN	2.36kN	1.83kN	2.46kN	2.06kN	2.56kN
6mm	5mm	38mm	1.66kN	1.9kN	2.6kN	2.4kN	2.36kN	2.5kN	2.5kN	2.6kN
6mm	5mm	44mm	1.96kN	2.23kN	2.76kN	3.03kN	3.03kN	3.2kN	3.33kN	3.26kN

Performance Data - Tapcon Recommended* Shear and Tensile Values in Hollow Block

Anchor Diameter	Hole Diameter	Embedment Depth	Tensile Loads	Shear Loads
5mm	4mm	25mm	0.3kN	-
5mm	4mm	32mm	0.53kN	1.1kN
5mm	4mm	38mm	0.7kN	-
5mm	4mm	44mm	0.8kN	-
6mm	5mm	25mm	0.6kN	-
6mm	5mm	32mm	0.9kN	1.56kN
6mm	5mm	38mm	1.26kN	-
6mm	5mm	44mm	1.46kN	-