

**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.

**Product Advantages**

- Fast installation, Drill, Drive, Done
- Available in M5 and M6 and in lengths from 32 - 125mm, to cover a wide number of applications
- Every box includes a free 'close tolerance' masonry bit
- Replaces small diameter expansion anchors, plugs and screws in light to medium duty applications
- No need to pre-spot holes, no inserts are required
- Removable - Adjustable
- Can be installed close to edges
- Slotted Hex and Phillips flat head styles give flexibility in applications
- Excellent corrosion protection
- Available in 410 Stainless Steel (Price on application)
- Fire resistant

**Substrates**

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

**Approvals**

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

**Specification**

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

**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

**Head Styles**

	<p><b>Phillips Flat Head</b></p> <p>5mm Diameter: P2 Phillips Flat Head                  6mm Diameter: P3 Phillips Flat Head</p>
	<p><b>Slotted Hex Washer Head</b></p> <p>5mm Diameter: 6.5mm Slotted Hex Washered Head                  6mm Diameter: 8mm Slotted Hex Washered Head</p>



1. With Condrive Sleeve off and drill bit exposed, drill pilot hole deeper than recommended anchor embedment. Snap correct anchor socket / drive bit onto end of Condrive Sleeve. Slide Condrive Sleeve over drill bit.
2. Insert head of Tapcon anchor into Hex or Phillips socket.
3. Put point of anchor into pre-drilled hole and drive until anchor is fully seated.
4. Ensure that the drilling tool is not set to hammer action during installation.

**Mechanical and Electrical Applications**

<p><b>Fixing Electrical Accessories</b></p> <ul style="list-style-type: none"> <li>• Saddles</li> <li>• Conduit clips</li> <li>• Back boxes</li> <li>• P Clips</li> <li>• Cable clips</li> <li>• Cable cleats</li> </ul>	<p><b>Services</b></p> <ul style="list-style-type: none"> <li>• Ductwork</li> <li>• Cable trays, channel</li> <li>• Suspended ceilings</li> </ul>
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**Steel and Concrete Applications**

<p><b>Timber to Concrete</b></p> <ul style="list-style-type: none"> <li>• Formwork</li> <li>• Battens</li> <li>• Base plates</li> <li>• Plywood backer boards</li> </ul>	<p><b>Metalwork</b></p> <ul style="list-style-type: none"> <li>• Railings, hand rails</li> <li>• Gates, brackets and signs</li> <li>• Fire protection and exterior insulation systems to masonry</li> </ul>
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**Performance Data - Tapcon Recommended\* Shear and Tensile Values in Concrete**

Anchor Ø	Hole Ø	Embed Depth	Med Density Block Tensile	Med Density Block Shear	20kN Concrete Tensile	20kN Concrete Shear	25kN Concrete Tensile	25kN Concrete Shear	35kN Concrete Tensile	35kN Concrete 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	-

**Performance Data - Tapcon Recommended\* Values in Richard Lees Spiroll™ Concrete Floor and Roof Units**

Anchor Diameter	Hole Diameter	Embedment Depth	Tensile Load
5mm	4mm	27mm	1.76kN
5mm	4mm	32mm	3.18kN
6mm	5mm	27mm	1.92kN
6mm	5mm	32mm	3.6kN

**Performance Data - Tapcon Recommended\* Values in Trent Jetfloor™ Concrete Flooring Systems**

Anchor Diameter	Hole Diameter	Embedment Depth	Tensile Load
5mm	4mm	27mm	1kN
5mm	4mm	32mm	1.75kN
6mm	5mm	27mm	1.21kN
6mm	5mm	32mm	1.92kN

**Performance Data - Tapcon Recommended\* Values in Bison™ Pre-cast Floor Units**

Anchor Diameter	Hole Diameter	Embedment Depth	Tensile Load
5mm	4mm	32mm	1.77kN
6mm	5mm	32mm	2.76kN

Bison is a registered trademark of Bison Floors Ltd.

Jetslab is a registered trademark of Trent Jet Floor Ltd.

Spiroll and Tembo is a registered trademark of Richard Lees Ltd.

\*A safety factor of 3 has been taken into consideration for a single installation (anchor) to calculate the safe working load.

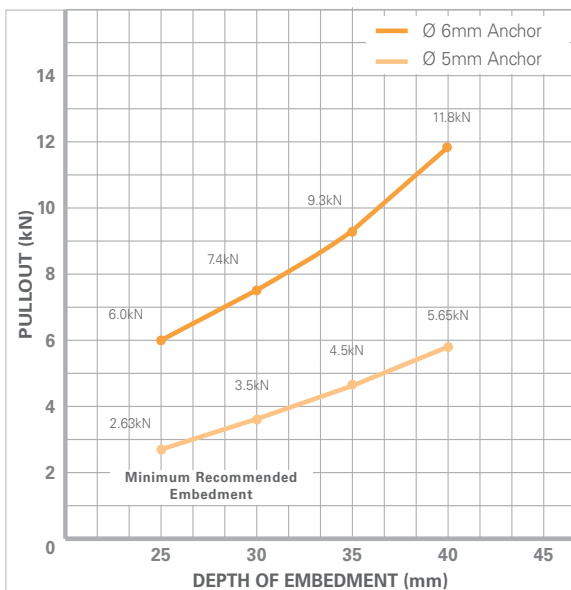
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Performance Data - Tapcon Strength and Reliability

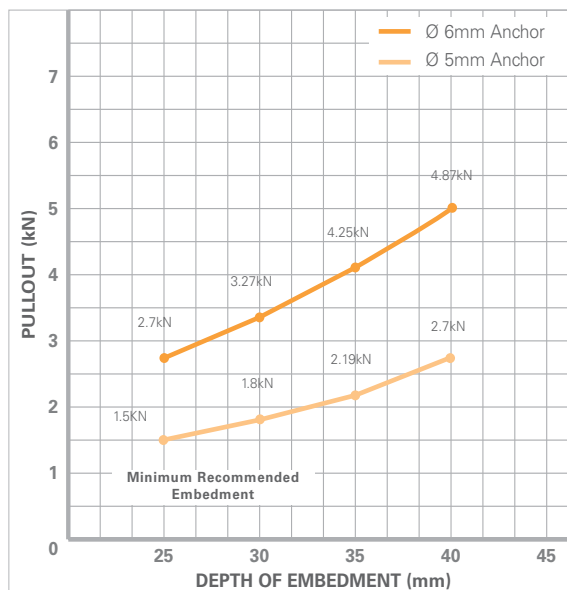
Tapcon masonry anchors are manufactured from special high quality cold forming steel, heat treated to give hard cutting surfaces for efficient thread cutting action in a wide variety of masonry materials. The standard finish on Tapcon anchors is electroplated and passivated zinc with colour identifying blue coating.

Rigid quality control in all phases of production ensures consistent and reliable performance. Tapcon anchors have been laboratory tested on an Avery Denison testing machine in concrete product manufacturers' standard materials. Appropriate curing times were allowed for the masonry test blocks to ensure reliable results.

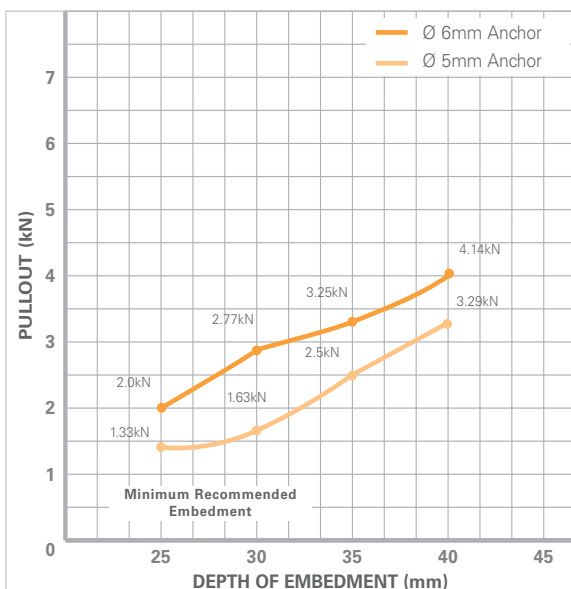
40 Newton Concrete



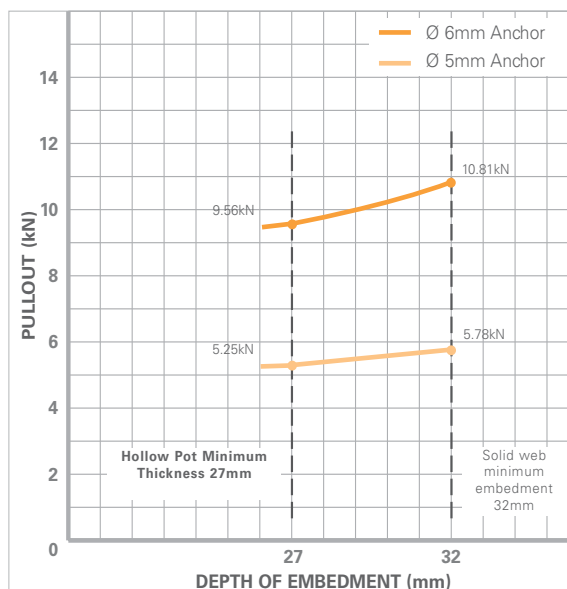
Typical Dense Concrete Block



Common Brick



Typical Hollow Concrete Beam



NB. All loads detailed above are ultimate failure loads and should have a safety factor of 3 applied.

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