

## Washed Tapcon



**For Tapcon applications that require more anchor bearing surface**

No need for washers!

### Substrates

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

### Approvals

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

### Installation Equipment

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

### 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.

### Specification

|             |                                      |
|-------------|--------------------------------------|
| Diameter    | 5mm                                  |
| Thread form | Reversed Hi-Lo®                      |
| Point type  | Nail                                 |
| Finish      | UltraShield™                         |
| Head style  | Hex Head with a 16mm diameter flange |

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

UltraShield - 1,120 hours - 10% or less red rust

### Electrical & Mechanical Applications

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

### Steel & Concrete Applications

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

**Product Range - Washered Tapcon**

| Eurocode | Description   | Thread Diameter | Max Fixture Thickness | Anchor Length | Hole Diameter | Min Hole Depth | Min Embed | Box Qty |
|----------|---------------|-----------------|-----------------------|---------------|---------------|----------------|-----------|---------|
| 921520   | Washed Tapcon | 6mm             | 20mm                  | 45mm          | 5mm           | 35mm           | 25mm      | 100     |
| 921521   | Washed Tapcon | 6mm             | 32mm                  | 57mm          | 5mm           | 35mm           | 25mm      | 100     |

**Performance Data - Washered Tapcon Recommended Loads**

| Anchor Diameter | Hole Diameter | Embed Depth | 20N/mm <sup>2</sup> Concrete Tensile Load | 20N/mm <sup>2</sup> Concrete Shear Loads | Hollow Block Tensile Load | Hollow Block Shear Load |
|-----------------|---------------|-------------|---|--|---------------------------|-------------------------|
| 6mm             | 5mm           | 25mm        | 1.02kN                                    | -  | 0.58kN                    | -                       |
| 6mm             | 5mm           | 32mm        | 1.63kN                                    | 2.3kN                                    | 0.88kN                    | 1.51kN                  |
| 6mm             | 5mm           | 38mm        | 2.20kN                                    | -  | 1.22kN                    | -                       |
| 6mm             | 5mm           | 44mm        | 2.66kN                                    | -  | 1.41kN                    | -                       |

**Test numbers CH3932 / CH3748 / CH3932 / Pittsburgh Testing Laboratories.**

Note: Indicated pull-out and shear failure values were obtained in tests witnessed by Pittsburgh Testing Laboratory personnel. Designated holding power depends 'on the quality of the masonry material, depth of embedment and proper hole size. These figures are offered only as a guide and are not guaranteed in any way' by Illinois Tool Works Inc. **A safety factor of 3:1 of ultimate has been applied to pull-out value to indicate a recommended load.** All values are based on close tolerance holes drilled with Tapcon drill bits. Performance of Tapcon may vary in extremely hard concrete aggregates.

We recommend test fixing to be carried out prior to commencement of works in order to establish that your required performance can be met.