

Technical Data Sheet

Ref: TDS-02-CON-01

Masonry & Concrete Screws

Yellow - Zinc - Exterior - Torx - Countersunk & Pan Head

Features

- A rapid and effective light duty anchoring system for fixing into 7N/mm² concrete block, brick, stone, concrete & wood.
- This through fixing provides a single solution and replaces traditional fixings such as nylon frame and hammer fixings.
- Non-Expansion for installation closer to the edge of substrates without causing damage.
- Removable and adjustable.
- One piece fixing.
- All steel, non flammable fixing conforming to BS 7671 standards 18th edition, which requires wiring systems to be supported by materials which are unlikely to prematurely collapse in the event of fire.
- No special tools required.
- Serrated V-threads to achieve optimum insertion into all masonry types.
- High low parallel thread on first 30mm to aid insertion and reduce torque.
- T30 Recess.

Countersunk

- Gives a flush finish.
- Available in Zinc, Yellow and Exterior finishes.

Pan head

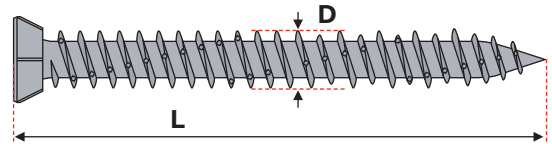
- For improved clamping and reduce likelihood of head pull through.
- Available in Zinc.

Materials



Block

Dimensional Data



Countersunk Head

Product Code	Finish	Size x Length (mm) (D x L)	Head Diameter Ø (mm) (HD)	Drill Hole Ø (mm)	Fixture Clearance Hole Ø (mm)	Max Fixture Thickness (mm)
00040TCN	Yellow	7.5 x 40	11	6.0	8.0	5
00050TCN	Yellow	7.5 x 50	11	6.0	8.0	15
00060TCN	Yellow	7.5 x 60	11	6.0	8.0	25
00070TCN	Yellow	7.5 x 70	11	6.0	8.0	35
00080TCN	Yellow	7.5 x 80	11	6.0	8.0	30
00090TCN	Yellow	7.5 x 90	11	6.0	8.0	40
00100TCN	Yellow	7.5 x 100	11	6.0	8.0	50
00110TCN	Yellow	7.5 x 110	11	6.0	8.0	60
00120TCN	Yellow	7.5 x 120	11	6.0	8.0	70
00130TCN	Yellow	7.5 x 130	11	6.0	8.0	80
00150TCN	Yellow	7.5 x 150	11	6.0	8.0	100
00180TCN	Yellow	7.5 x 180	11	6.0	8.0	130
00200TCN	Yellow	7.5 x 200	11	6.0	8.0	150
00250TCN	Yellow	7.5 x 250	11	6.0	8.0	200
00080TCNZ	Zinc	7.5 x 80	11	6.0	8.0	30
00100TCNZ	Zinc	7.5 x 100	11	6.0	8.0	50
00120TCNZ	Zinc	7.5 x 120	11	6.0	8.0	70
00150TCNZ	Zinc	7.5 x 150	11	6.0	8.0	100
80TCNR	Exterior (Silver Organic)	7.5 x 80	11	6.0	8.0	30
100TCNR	Exterior (Silver Organic)	7.5 x 100	11	6.0	8.0	50
120TCNR	Exterior (Silver Organic)	7.5 x 120	11	6.0	8.0	70

All stated figures (mm) are approx and for reference only.

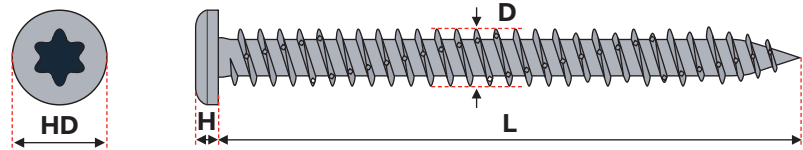
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Pan Head



Product Code	Finish	Size x Length (mm) (D x L)	Head Diameter Ø (mm) (HD)	Head Height (mm) (H)	Drill Hole Ø (mm)	Fixture Clearance Hole Ø (mm)	Max Fixture Thickness (mm)
7580MFPAN	Zinc	7.5 x 80	13	3.0	6.0	8.0	30
75100MFPAN	Zinc	7.5 x 100	13	3.0	6.0	8.0	50
75120MFPAN	Zinc	7.5 x 120	13	3.0	6.0	8.0	70

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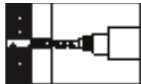
Performance Data

Substrate	Concrete ≥25N/mm ²		Concrete Block 7N/mm ²	
Length (mm)	40-70	80-250	40-70	80-250
Drill Hole Ø (mm)*	6.0	6.0	6.0	6.0
Min. Embedment Depth (mm)	35	50	35	50
Rec. Tensile Load (kN)	1.07	1.82	0.2	0.46
Max Rec. Load (kg)	107	182	20	46

*6.5mm Ø Drill hole may be required in harder materials but this may result in different figures

All stated figures are for reference only and to be used as a guideline.
Test data stated is for reference only as this may not represent the actual figures you may achieve in application.

Installation Guide



Drill hole in substrate. Always drill to the stated hole depth.



Clean the hole by blowing out the debris.



Using a power tool, tighten the fixing firmly against attachment.