

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



Concrete



Brick

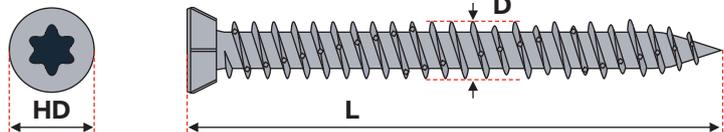


Block



Wood

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)
00040TCON	Yellow	7.5 x 40	11	6.0	8.0	5
00050TCON	Yellow	7.5 x 50	11	6.0	8.0	15
00060TCON	Yellow	7.5 x 60	11	6.0	8.0	25
00070TCON	Yellow	7.5 x 70	11	6.0	8.0	35
00080TCON	Yellow	7.5 x 80	11	6.0	8.0	30
00090TCON	Yellow	7.5 x 90	11	6.0	8.0	40
00100TCON	Yellow	7.5 x 100	11	6.0	8.0	50
00110TCON	Yellow	7.5 x 110	11	6.0	8.0	60
00120TCON	Yellow	7.5 x 120	11	6.0	8.0	70
00130TCON	Yellow	7.5 x 130	11	6.0	8.0	80
00150TCON	Yellow	7.5 x 150	11	6.0	8.0	100
00180TCON	Yellow	7.5 x 180	11	6.0	8.0	130
00200TCON	Yellow	7.5 x 200	11	6.0	8.0	150
00080TCONZ	Zinc	7.5 x 80	11	6.0	8.0	30
00100TCONZ	Zinc	7.5 x 100	11	6.0	8.0	50
00120TCONZ	Zinc	7.5 x 120	11	6.0	8.0	70
00150TCONZ	Zinc	7.5 x 150	11	6.0	8.0	100
80TCONR	Exterior (Silver Organic)	7.5 x 80	11	6.0	8.0	30
100TCONR	Exterior (Silver Organic)	7.5 x 100	11	6.0	8.0	50
120TCONR	Exterior (Silver Organic)	7.5 x 120	11	6.0	8.0	70

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

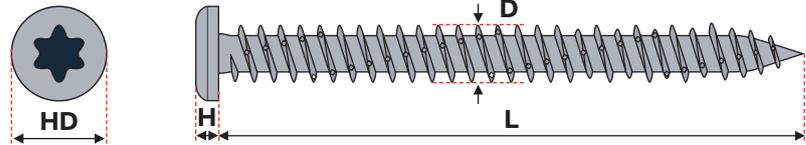
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Pan Head



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

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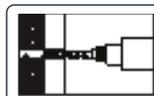
Performance Data

Substrate	Concrete $\geq 25\text{N/mm}^2$		Concrete Block 7N/mm ²	
	40-70	80-200	40-70	80-200
Length (mm)	40-70	80-200	40-70	80-200
Drill Hole \varnothing (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	0.46	0.46
Max Rec. Load (kg)	107	182	46	46

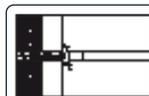
 *6.5mm \varnothing Drill hole may be required in harder materials but this may result in different figures

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.

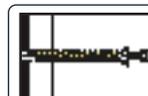
Installation Guide



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.