

MASONRY TORX SCREWS

CLASS 3 GALVANISED

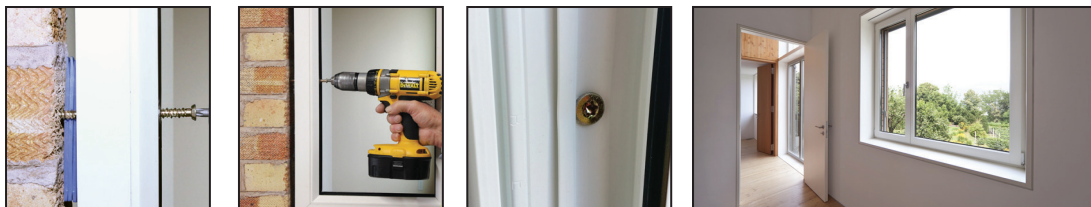
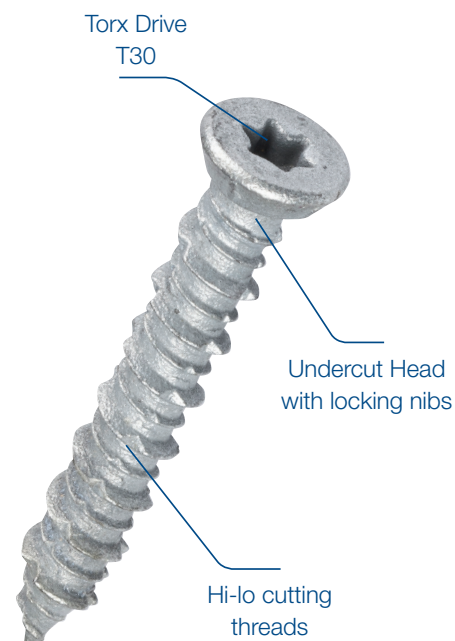
Masonry Torx Screws offer a rapid and effective light duty anchoring system for fixing into concrete, brick, stone, concrete block and wood. This through fixing provides a single solution designed specifically for aluminum extrusions, metal fire doors, aluminum windows. With a unique undercut head design and a torx drive recess for positive installation performance it can be used in both a countersunk and non-countersunk application making it a one of the best multi-purpose anchor screw on the market.

USE

- One screw for subsill & frame installation
- Timber battens to masonry
- Top-hat installation on masonry
- Metal brackets, plates, and hinges to masonry
- Door and window frame installation screw

Key Features

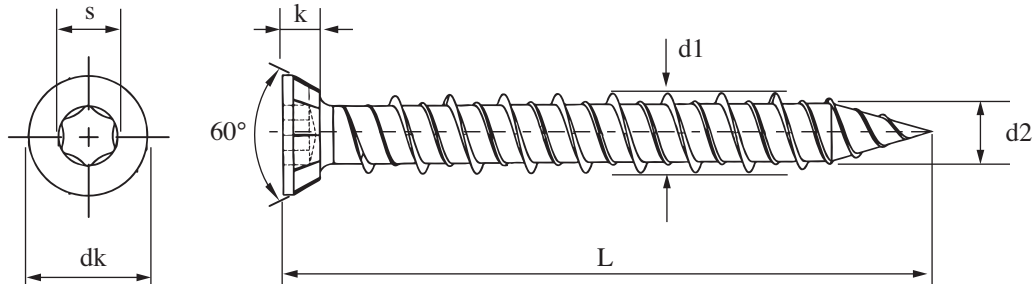
- Flat countersunk head with five locking ribs for self embedding in timber applications
- Shallow flat undercut head means you can also install in non-countersunk metal to masonry application
- Non-expanding anchor, close to edge fixing
- Hi-lo cutting threads achieve optimum insertion into all masonry types
- Suitable for concrete, solid brick, perforated brick, hollow blocks, natural stone
- Mechanical galvanized class 3 finish. Minimum 20µm thickness



PRODUCT ORDERING INFORMATION

SKU	Dia. x Length	Pre-Drill	Fixture, max	Hole Depth, min	Embedment Depth	WLL Tensile Cap. (kN)*	WLL Shear Cap. (kN)*		
		d_o	t_{fix}	h_o	h_{ef}	N_{WLL}	V_{WLL}		
1CCT1C407.5040	7.5 x 40mm	6mm	5mm	45	35	1.2	2.3	100	1000
1CCT1C407.5050	7.5 x 50mm		15mm					100	1000
1CCT1C407.5060	7.5 x 60mm		25mm					100	1000
1CCT1C407.5080	7.5 x 80mm		30mm					100	1000
1CCT1C407.5100	7.5 x 100mm		40mm	100	1000				
1CCT1C407.5120	7.5 x 120mm		60mm	70	60	3.8	100	1000	

*32MPa un-cracked concrete with no spacing or edge distance influences. WLL (Working Load Limit) = SWL = Recommended load

PHYSICAL DIMENSIONS


Major Dia.	Minor Dia.	Head Dia.	Head Depth	Driver	Length, range
d1	d2	dk	k	s	L
7.5mm	6.0mm	11mm	3.5mm	T30 (5.6mm)	40 -120 mm

INSTALLATION SETTING
1. Select

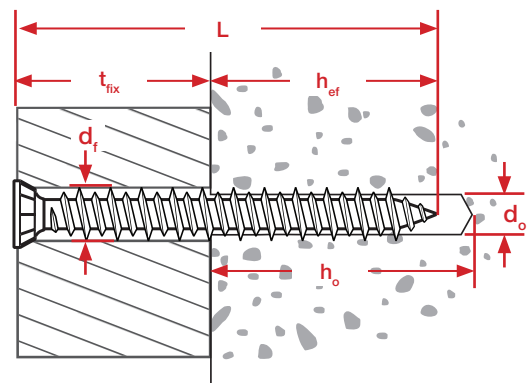
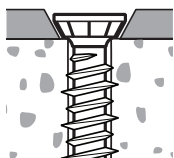
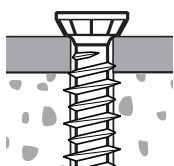
Select the appropriate length Masonry Torx Screw for your fixture thickness. Make sure the minimum embedment depth is achieved.
 (We do not recommended more than 60mm of embedment for this type of anchor.)

2. Drill

Pre-drill a 6 mm hole into substrate to the required embedment depth. Always over drill the hole depth for dust and debris. Countersinking is only required for metal fixture plates, see below.
 (Note: in some circumstances of high MPa masonry (32 - 40 MPa) a 6.5mm hole is permissible.)

3. Drive

Place your fixture hard up against the substrate material and drive the Masonry Torx Screw with a power tool using a T30 bit.


Countersunk timber to masonry

Countersunk metal to masonry

Non-countersunk into metal to masonry

Length (mm)	L	40 – 80 mm	100 – 120 mm
Driver Bit Size		T30	
Pre-Drill Hole Ø	d _o	6.0 mm	
Min Anchor Embedment Depth	h _{ef}	35 mm	60 mm
Min Drill Hole Depth	h _o	45 mm	70 mm
Max Clearance Hole	d _f	8.0 mm	
Max Fixture Thickness	t _{fix}	Length (L) minus Min Embedment Depth (h _{ef})	

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