

# Technical Data Sheet

Ref: TDS-02-CON-02

## Masonry Screws

### Zinc - Torx - Countersunk & Pan Head

#### Features

- Light duty fixing ideal for ironmongery handrails & brackets to concrete, stone and brick without the need for nylon plugs.
- 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.
- Available in other package types.
- No special tools required.
- Serrated V-threads to achieve optimum insertion into all masonry types.
- High low parallel partial thread.
- T25 Recess.

#### Countersunk

- Gives a flush finish.

#### Pan head

- For improved clamping and to reduce the likelihood of head pull through.

#### Materials



Concrete



Brick



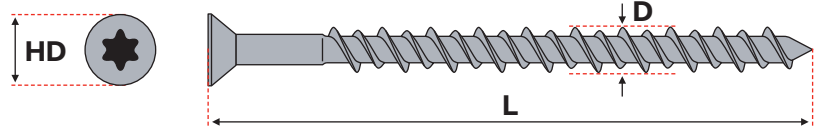
Block



Wood

#### Dimensional Data

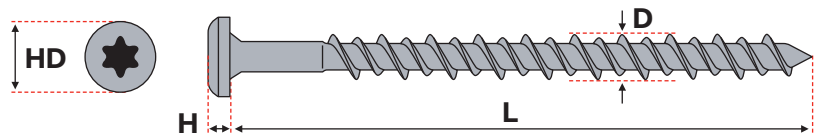
##### Countersunk Head



| Product Code | Finish | Size x Length (mm)<br>(D x L) | Head Diameter Ø<br>(mm) (HD) | Drill Hole Ø<br>(mm) | Fixture Clearance<br>Hole Ø (mm) | Max Fixture<br>Thickness (mm) |
|--------------|--------|-------------------------------|------------------------------|----------------------|----------------------------------|-------------------------------|
| 640MFCSK     | Zinc   | 6.0 x 40                      | 9.5                          | 5.0                  | 6.5                              | 15                            |
| 660MFCSK     | Zinc   | 6.0 x 60                      | 9.5                          | 5.0                  | 6.5                              | 35                            |
| 680MFCSK     | Zinc   | 6.0 x 80                      | 9.5                          | 5.0                  | 6.5                              | 55                            |
| 6100MFCSK    | Zinc   | 6.0 x 100                     | 9.5                          | 5.0                  | 6.5                              | 63                            |

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

##### Pan Head



| Product Code | Finish | Size x Length (mm)<br>(D x L) | Head Diameter Ø<br>(mm) (HD) | Head Height<br>(mm) (H) | Drill Hole Ø (mm) | Fixture Clearance<br>Hole Ø (mm) | Max Fixture<br>Thickness (mm) |
|--------------|--------|-------------------------------|------------------------------|-------------------------|-------------------|----------------------------------|-------------------------------|
| 640MFPAN     | Zinc   | 6.0 x 40                      | 10.5                         | 3.0                     | 5.0               | 6.5                              | 15                            |
| 660MFPAN     | Zinc   | 6.0 x 60                      | 10.5                         | 3.0                     | 5.0               | 6.5                              | 35                            |
| 680MFPAN     | Zinc   | 6.0 x 80                      | 10.5                         | 3.0                     | 5.0               | 6.5                              | 55                            |
| 6100MFPAN    | Zinc   | 6.0 x 100                     | 10.5                         | 3.0                     | 5.0               | 6.5                              | 63                            |

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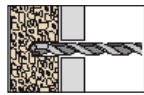
### Zinc - Torx - Countersunk & Pan Head

#### Performance Data

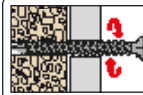
| Substrate                  | Concrete<br>≥25N/mm <sup>2</sup> |      |
|----------------------------|----------------------------------|------|
|                            | 40-80                            | 100  |
| Length (mm)                | 40-80                            | 100  |
| Drill Hole Ø (mm)*         | 5.0                              | 5.0  |
| Min. Embedment Depth (mm)  | 25                               | 37   |
| Min. Drill Hole Depth (mm) | 35                               | 47   |
| Rec. Pull out (kN)         | 1.00                             | 1.50 |
| Max Rec Load (kg)          | 100                              | 150  |

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 the hole 90° to the substrate. Always over-drill the hole depth for dust/debris.



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