

Technical Data Sheet

Multi-Fix Bolt

Exterior - Hex Head, Countersunk & Pan Head

Features

- This through fixing is the new solution for heavy duty anchoring into most substrates.
- Non-expanding nature means fixing can be installed closer to the edge of substrates without causing damage.
- Designed to replace traditional anchors such as throughbolts, shield, sleeve and drop-in anchors.
- Removable and adjustable.
- One piece fixing.
- No special tools required.
- 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.
- TIMCO micro plating (Nano) technology gives a high resistance to corrosion.
- High low parallel threads for ease of insertion and high pull out values.
- Unique concave thread configuration for ease of insertion and high pull out values.

Hex Head

- 6mm Bolts include a 14mm fixed flange washer for improved clamping performance.

Countersunk

- Gives a flush finish.

Pan head

- For improved clamping.
- Serrations under head provide a secure grip.

Materials



Concrete



Brick



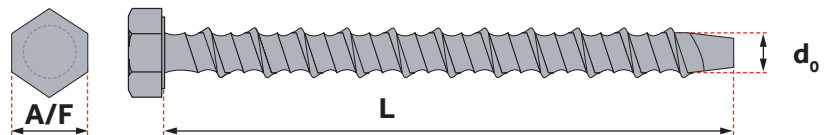
Block



Wood

Dimensional Data

Hex Head



Product Code	Size x Length (mm) (L)	Drill Hole Ø (mm) (d _o)	Socket Size (mm) (A/F)	Max Fixture Thickness (mm) *fix
MF650	6 x 50*	6	10	20
MF675	6 x 75*	6	10	45
MF6100	6 x 100*	6	10	55
MF6130	6 x 130*	6	10	85
MF6150	6 x 150*	6	10	105
MF860	8 x 60	8	15	20
MF875	8 x 75	8	15	35
MF8100	8 x 100	8	15	60
MF8130	8 x 130	8	15	90
MF8150	8 x 150	8	15	110
MF1060	10 x 60	10	17	10
MF1075	10 x 75	10	17	25
MF10100	10 x 100	10	17	50
MF10130	10 x 130	10	17	80
MF10150	10 x 150	10	17	100
MF1275	12 x 75	12	19	15
MF12100	12 x 100	12	19	40
MF12130	12 x 130	12	19	70
MF12150	12 x 150	12	19	90
MF12200	12 x 200	12	19	140
MF16100	16 x 100	16	27	20
MF16150	16 x 150	16	27	70

*6mm bolts include a fixed flange washer for improved clamping. All stated figures (mm) are approx and for reference only.

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Countersunk						Pan Head					
Product Code	Size x Length (mm) (L)	Head Diameter (mm) (HD)	Drill Hole Ø (mm) (d ₀)	Driver Bit Size	Max Fixture Thickness (mm) ^t fix	Product Code	Size x Length (mm) (L)	Head Diameter (mm) (HD)	Drill Hole Ø (mm) (d ₀)	Driver Bit Size	Max Fixture Thickness (mm) ^t fix
MF860C	8 x 60	20.0	8	T40	20	MF860P	8 x 60	21.5	8	T40	20
MF875C	8 x 75	20.0	8	T40	35	MF875P	8 x 75	21.5	8	T40	35
MF8100C	8 x 100	20.0	8	T40	60	MF8100P	8 x 100	21.5	8	T40	60
MF1060C	10 x 60	24.0	10	T50	10	MF1060P	10 x 60	25.5	10	T50	10
MF1075C	10 x 75	24.0	10	T50	25	MF1075P	10 x 75	25.5	10	T50	25
MF10100C	10 x 100	24.0	10	T50	50	MF10100P	10 x 100	25.5	10	T50	50

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

Performance Data

Substrate	Concrete ≥25N/mm ²						Concrete Block 7N/mm ²	
Size (mm)	6.0	8.0	10.0	12.0	16.0	6.0	100-150	100-150
Length (mm)	50-75	100-150	All	All	All	All	50-75	100-150
Drill Hole Ø (mm) d ₀	6.0	6.0	8.0	10.0	12.0	16.0	6.0	6.0
Fixture Clearance Hole Ø (mm) d _f	8.0	8.0	10.0	12.0	14.0	18.0	8.0	8.0
Min. Embedment Depth (mm)	30	45	40	50	60	80	30	45
Min. Over-Drill for Dust (mm) O	10	10	15	20	25	35	10	10
Min. Drill Hole Depth (mm) h ₀	40	55	55	70	85	115	40	55
Min. Centre Spacing (mm) ^{**} s _{min}	90	140	120	150	180	240	90	140
Min. Edge Distance (mm) ^{**} c _{min}	45	70	60	75	90	120	45	70
Min. Structure Thickness (mm) h _{min}	60	100	90	110	125	175	60	100
Performance at standard and deeper embedment depths								
Effective Embedment depth (mm) h _{ef}	30	45	40	50	60	85	80	45
Rec. Tensile Load (kN) N _{rec}	2.44	6.23	3.93	8.36	5.49	12.21	8.97	13.00
Max Rec. Load (kg)	244	623	393	836	549	1221	897	1300

^{**} Centre spacings and edge distances are based on minimum embedment only.
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.

Screw the bolt into the hole with slight pressure to the bolt.

NOTE: To ensure correct installation ensure head sits flush with fixture and visibly check for no damage to the head. DO NOT OVERTIGHTEN.

