



## Product Information

- Non-Expansion
- Removable
- Suitable for most substrate materials
- One piece fixing
- No special tools required
- Closer to the edge fixing

## Key Features

TIMco micro plating technology gives a higher resistance to corrosion and enhances speed of installation

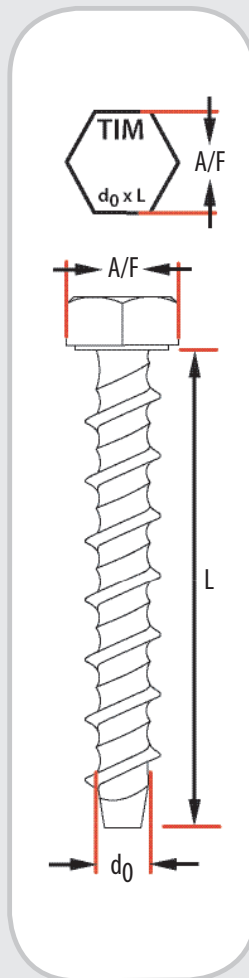
Unique concave thread configuration for ease of insertion and high pull out values



SALT SPRAY  
400 hours



KESTERNICH TEST  
3 cycles



A/F - Across Flats  
L - Length  
d<sub>0</sub> - Drill hole diameter

## TIMco Multi-Fix Bolt Range

TIMco Code	Size Ø x Length (mm) d x L	Drill Size (mm) d <sub>0</sub>	Length (mm) L	A/F (mm)	Head Type	Max Fixture Thickness (mm) t <sub>fix</sub>	Fixture Clearance Hole Ø (mm) d <sub>f</sub>	Box Qty	Carton Qty	Pallet Qty	Washer Part Code
MF650	6 x 50	6	50	10	Hex Flange	20	8	100	1,000	27,000	WC8Z
MF675	6 x 75	6	75	10		45	8	100	600	16,200	WC8Z
MF6100	6 x 100	6	100	10		55	8	100	600	16,200	WC8Z
MF6130	6 x 130	6	130	10		85	8	100	600	16,200	WC8Z
MF6150	6 x 150	6	150	10		105	8	75	450	12,150	WC8Z
MF860	8 x 60	8	60	15	Hex	20	10	100	600	16,200	WA10Z / WC10Z
MF875	8 x 75	8	75	15		35	10	100	600	16,200	WA10Z / WC10Z
MF8100	8 x 100	8	100	15		60	10	50	500	13,500	WA10Z / WC10Z
MF8130	8 x 130	8	130	15		90	10	50	300	8,100	WA10Z / WC10Z
MF8150	8 x 150	8	150	15		110	10	50	300	8,100	WA10Z / WC10Z
MF1060	10 x 60	10	60	17	Hex	10	12	50	500	13,500	WA12Z / WC12Z
MF1075	10 x 75	10	75	17		25	12	50	300	8,100	WA12Z / WC12Z
MF10100	10 x 100	10	100	17		50	12	50	300	8,100	WA12Z / WC12Z
MF10130	10 x 130	10	130	17		80	12	50	300	8,100	WA12Z / WC12Z
MF10150	10 x 150	10	150	17		100	12	25	150	4,050	WA12Z / WC12Z
MF1275	12 x 75	12	75	19	Hex	15	14	50	300	8,100	WA14Z
MF12100	12 x 100	12	100	19		40	14	25	250	6,750	WA14Z
MF12130	12 x 130	12	130	19		70	14	25	150	4,050	WA14Z
MF12150	12 x 150	12	150	19		90	14	25	150	4,050	WA14Z
MF12200	12 x 200	12	200	19		140	14	25	100	2,700	WA14Z
MF16100	16 x 100	16	100	27	Hex	20	19	10	80	2,160	WA20Z / WC20Z
MF16150	16 x 150	16	150	27		70	19	10	60	1,620	WA20Z / WC20Z



### Performance Data

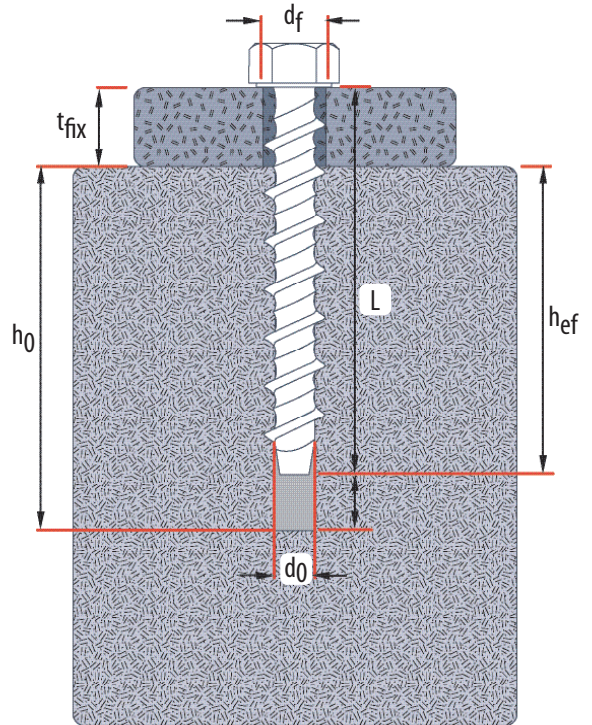
Substrate	Concrete ≥ 25 N/mm <sup>2</sup>						Fletton Brick - 30 N/mm <sup>2</sup>			Cheshire Brick - 45 N/mm <sup>2</sup>			Class B Eng. Brick - 75 N/mm <sup>2</sup>		
	6	8	10	12	16	6	8	10	6	8	10	6	8	10	
Size (mm)	6	8	10	12	16	6	8	10	6	8	10	6	8	10	
Length (mm) L	50-75	100-150	All	All	All	-	-	-	-	-	-	-	-	-	
Hole Ø in substrate (mm) d <sub>0</sub>	6	6	8	10	12	6	8	10	6	8	10	6	8	10	
Min Embedment Depth (mm)	30	45	40	50	60	30	40	50	30	40	50	30	40	50	
Min Drill Hole Depth (mm) h <sub>0</sub>	40	55	55	70	85	40	55	70	40	55	70	40	55	70	
Min Centre Spacing (mm) s <sub>min</sub>	90	140	120	150	180	-	-	-	-	-	-	-	-	-	
Min Edge Distance (mm) c <sub>min</sub>	45	70	60	75	90	-	-	-	-	-	-	-	-	-	
Min Structure Thickness (mm) h <sub>min</sub>	60	100	90	110	125	-	-	-	-	-	-	-	-	-	
Performance at Standard and Deeper embedment depths															
Effective Embedment depth (mm) h <sub>ef</sub>	30	45	40	60	50	75	60	85	80	30	40	50	30	40	50
Rec. Tensile Load (kN) N <sub>rec</sub>	2.44	6.23	3.93	8.36	5.49	12.21	8.97	13.00	13.5	2.28	2.68	3.18	1.36	2.19	3.26
Rec. Shear Load (kN) V <sub>rec</sub>	3.00	-	7.46	-	-	-	-	-	-	-	-	-	-	-	-

### Installation Guidelines

**1 Drill**  
Drill the hole 90° to the substrate. Always drill to the stated hole depth for dust and debris.

**2 Clean**  
Clean the hole by blowing out the dust and debris.

**3 Fix**  
Screw the bolt into the hole whilst applying slight pushing pressure to the bolt.



### Installation Data (C20/25 Concrete)

Anchor Size (mm)	6	8	10	12	16
Length (mm) (L)	50-75	100-150	60-150	60-150	75-200
A/F Socket (mm)	10	10	15	17	19
Hole Ø in substrate (mm) d <sub>0</sub>	6	6	8	10	12
Min Embedment Depth (mm) (h <sub>ef</sub> )	30	45	40	50	60
Fixture Clearance Hole (mm) (d <sub>f</sub> )	8	8	10	12	14
Max Fixture Thickness (mm) (t <sub>fix</sub> )	Length - Embedment Depth (L - E)				
Over Drill Depth (mm) (O)	10	10	15	20	25
Drill Hole Depth (mm) (h <sub>0</sub> )	Length - Actual Fixture Thickness + Over Drill Depth				

### Applications

