

Product Information

- Torque controlled throughbolt anchor suitable for concrete.
- Sold complete, assembled and ready for use.

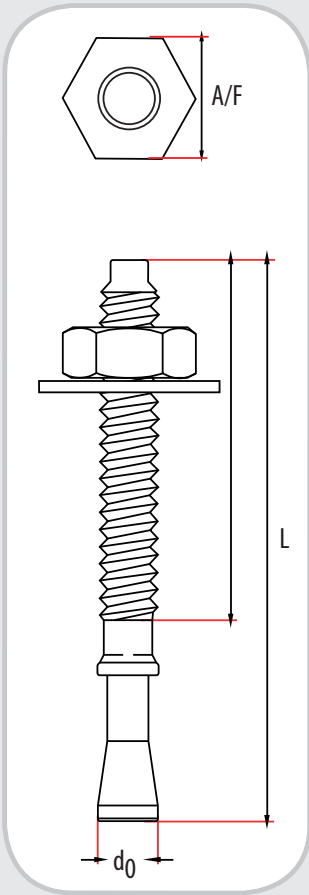
Key Features

- Chamfered head design to prevent damage to thread during installation
- Zinc plated and passivated (3-5 microns)
- Cold Formed Carbon Steel - Grade 5.8
- Special expansion clip for rapid installation

Materials



Concrete



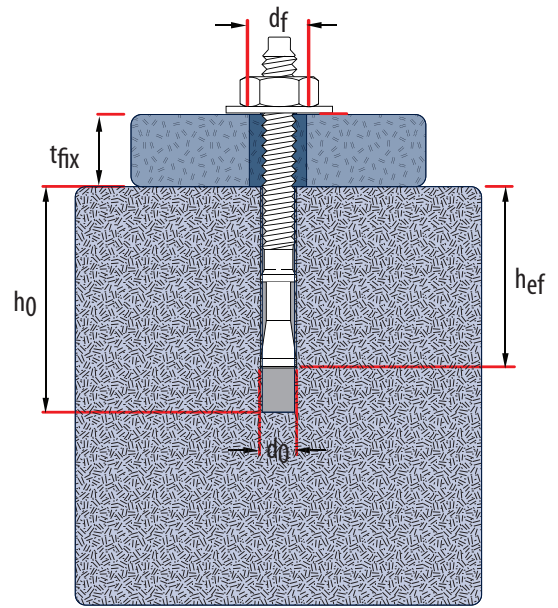
L - Length
d₀ - Drill Size

Throughbolts - Zinc Plated - Grade 5.8

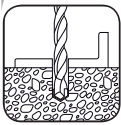
TIMco Code	Thread Ø x Length (mm)	Max Fixture Thickness (mm) t _{fix}	Fixture Clearance Hole Ø (mm) d _f	A/F (mm)	Box Qty	Carton Qty
0645TB	M6 x 45	5	7	10	100	1,000
0685TB	M6 x 85	45	7	10	100	800
0850TB	M8 x 50	5	9	13	100	800
0865TB	M8 x 65	10	9	13	100	800
0880TB	M8 x 80	25	9	13	50	500
08100TB	M8 x 100	45	9	13	50	400
08130TB	M8 x 130	75	9	13	50	300
1065TB	M10 x 65	5	12	17	50	400
1075TB	M10 x 75	10	12	17	50	400
10100TB	M10 x 100	35	12	17	50	300
10120TB	M10 x 120	55	12	17	50	200
1280TB	M12 x 80	5	14	19	25	300
12100TB	M12 x 100	25	14	19	25	200
12120TB	M12 x 120	45	14	19	25	200
12140TB	M12 x 140	65	14	19	25	150
12180TB	M12 x 180	105	14	19	25	150
16105TB	M16 x 105	5	18	24	25	150
16125TB	M16 x 125	20	18	24	25	200
16150TB	M16 x 150	45	18	24	15	90
16175TB	M16 x 175	70	18	24	15	90
20130TB	M20 x 130	5	22	30	10	40
20160TB	M20 x 160	30	22	30	10	40
20215TB	M20 x 215	85	22	30	8	48
24260TB	M24 x 260	110	26	36	5	15



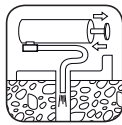
Technical Data							
Substrate	Concrete $\geq 25 \text{ N/mm}^2$						
Size \varnothing (mm)	M6	M8	M10	M12	M16	M20	M24
Drill Hole \varnothing (mm) d_0	6	8	10	12	16	20	28.5
Embedment Depth (mm) h_{ef}	30	35	45	50	65	80	95
Min Drill Hole Depth (mm) h_0	40	45	50	60	75	90	120
Centre Spacing (mm) S_{min}	90	110	140	150	200	240	300
Edge Distance (mm) C_{min}	45	55	70	75	100	120	150
Min Structure Thickness (mm)	60	70	90	100	130	160	190
Rec. Tightening Torque (Nm)	10	15	30	45	100	160	-
Rec. Tensile Load (kN) N_{rec}	2.29	2.92	4.11	7.25	8.08	11.15	-



Installation Guide



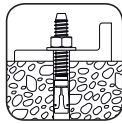
1) Drill a hole to the required diameter and depth



2) Clean the hole



3) Set nut just below chamfer and hammer anchor through fixture into hole



4) Tighten to the recommended torque (use deep reach socket)

Note: If no torque wrench available tighten nut 3 to 4 full turns from finger tight.

Applications

