

Technical Data Sheet

Ref: TDS-02-THB-01

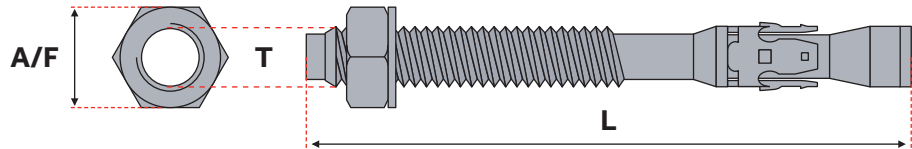
Masonry & Cavity Fixings Throughbolts

Features

- Torque controlled throughbolt anchor suitable for concrete.
- Sold complete, assembled and ready for use.
- Chamfered head design to prevent damage to thread during installation.
- Zinc plated and passivated.
- Cold formed carbon steel - grade 5.8.
- Special expansion clip for rapid installation.



Dimensional Data



Product Code	Thread Ø x Length (mm) (T x L)	Max Fixture Thickness (mm)	Fixture Clearance Hole Ø (mm)	A/F (mm)
0850TB	M8 X 50	5	9	13
0865TB	M8 X 65	10	9	13
0880TB	M8 X 80	25	9	13
08100TB	M8 X 100	45	9	13
08130TB	M8 X 130	75	9	13
1065TB	M10 X 65	5	12	17
1075TB	M10 X 75	10	12	17
10100TB	M10 X 100	35	12	17
10120TB	M10 X 120	55	12	17
1280TB	M12 X 80	5	14	19
12100TB	M12 X 100	25	14	19
12120TB	M12 X 120	45	14	19
12140TB	M12 X 140	65	14	19
12180TB	M12 X 180	105	14	19
16105TB	M16 X 105	5	18	24
16125TB	M16 X 125	20	18	24
16150TB	M16 X 150	45	18	24
16175TB	M16 X 175	70	18	24
20130TB	M20 X 130	5	22	30
20160TB	M20 X 160	30	22	30
20215TB	M20 X 215	85	22	30

All stated figures are for reference only and to be used as a guideline.

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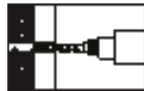
Throughbolts

Performance Data

Substrate	Concrete ≥25N/mm ²				
Size Ø (mm)	M8	M10	M12	M16	M20
Drill Hole Ø (mm)	8	10	12	16	20
Embedment Depth (mm)	35	45	50	65	80
Min Drill Hole Depth (mm)	45	55	60	75	90
Centre Spacing (mm)	110	140	150	200	240
Edge Distance (mm)	55	70	75	100	120
Min Structure Thickness (mm)	70	90	100	130	160
Rec. Tightening Torque (Nm)	15	30	45	100	160
Rec. Tensile Load (kN)	2.92	4.11	7.25	8.08	11.15

Test data stated is for reference only as this may not represent the actual figures you may achieve in application.

Installation Guide



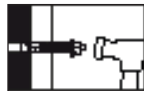
Drill hole through frame into substrate



Clean out the hole



Set the nut just below chamfer



Hammer anchor through fixture



Tighten to the recommended torque