

# THROUGHBOLT ZINC PLATED / ETA - OPTION 7

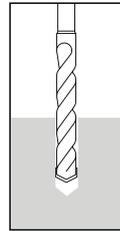
All our through Bolts are packed with nut and washer pre-assembled

Strike cap to prevent thread damage

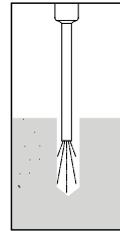
Full thread for more flexible use of the anchors



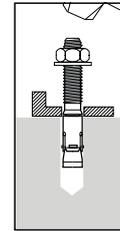
## • INSTALLATION INSTRUCTIONS:



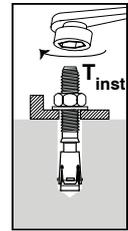
Drill the hole



Remove the dust with a pump



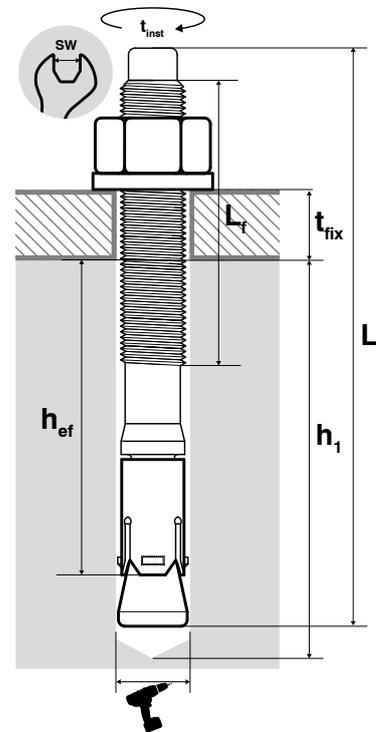
Put the anchor into the hole through the fixture



Apply Torque

Item code	Size	Hole Size	Thread Length	Fastens Up to	Anchor depth	Min Hole Depth	Qty Per Box	Qty Per outer	Weight Per 100
	Ø x L	t	Lf	tfix	hef	h1			kg
	mm	mm	mm	mm	mm	mm			
TB7-06040	M6 x 40*	6	18	3	35	55	250	1 500	1.028
TB7-06045	M6 x 45*	6	18	5	35	55	200	1 200	1.156
TB7-06055	M6 x 55*	6	25	15	35	55	200	1 200	1.278
TB7-06070	M6 x 70*	6	25	30	35	55	150	900	1.528
TB7-06085	M6 x 85*	6	25	45	35	55	150	900	1.779
TB7-06095	M6 x 95*	6	25	55	35	55	150	900	1.946
TB7-08050	M8 x 50*	8	25	3	35	60	125	750	2.323
TB7-08065	M8 x 65	8	25	5	40	60	100	600	2.78
TB7-08080	M8 x 80	8	25	20	40	60	100	600	3.237
TB7-08100	M8 x 100	8	25	40	40	60	80	480	3.847
TB7-08105	M8 x 105	8	25	45	40	60	80	480	4
TB7-08120	M8 x 120	8	25	60	40	60	70	420	4.457
TB7-10065	M10 x 65*	10	30	3	50	75	70	420	4.591
TB7-10075	M10 x 75	10	30	5	50	75	60	360	5.074
TB7-10090	M10 x 90	10	30	20	50	75	50	300	5.797
TB7-10095	M10 x 95	10	30	25	50	75	50	300	6.038
TB7-10115	M10 x 115	10	30	45	50	75	40	240	7.002
TB7-10120	M10 x 120	10	30	50	50	75	40	240	7.243
TB7-10130	M10 x 130	10	30	60	50	75	40	240	7.725
TB7-12080	M12 x 80*	12	40	5	60	85	40	240	7.911
TB7-12100	M12 x 100	12	40	15	60	85	40	240	8.983
TB7-12120	M12 x 120	12	40	35	60	85	30	180	10.715
TB7-12135	M12 x 135	12	40	50	60	85	25	150	11.767
TB7-12140	M12 x 140	12	40	55	60	85	25	150	12.118
TB7-12150	M12 x 150	12	40	65	60	85	25	150	12.819
TB7-12180	M12 x 180	12	40	95	60	85	30	120	14.922
TB7-16090	M16 x 90*	16	60	3	70	100	20	120	16.076
TB7-16105	M16 x 105*	16	60	5	70	100	20	120	18.036
TB7-16125	M16 x 125	16	60	15	70	100	15	90	20.648
TB7-16140	M16 x 140	16	60	30	70	100	15	90	22.607
TB7-16150	M16 x 150	16	60	40	70	100	15	90	23.914
TB7-16180	M16 x 180	16	60	70	70	100	18	72	27.832
TB7-16220	M16 x 220	16	60	110	70	100	15	60	33.057
TB7-20125	M20 x 125*	20	65	5	100	130	10	60	32.493
TB7-20160	M20 x 160*	20	65	40	100	130	12	48	39.646
TB7-20200	M20 x 200*	20	65	80	100	130	10	40	45.778
TB7-20220	M20 x 220*	20	65	100	100	130	10	40	51.909
TB7-20300	M20 x 300*	20	65	180	100	130	7	28	68.259
TB7-24180	M24 x 180*	24	65	40	120	155	7	28	70.907
TB7-24260	M24 x 260*	24	65	120	120	155	5	20	99.338

\*not covered by ETA



Thread Diameter	Embedment Depth	Fixture Clearance Hole	Centre Spacing	Edge Distance	Structure Thickness	Rec Tensile Load	Rec Shear Load	Rec Tight Torque	SW
Ø	mm	mm	mm	mm	mm	kN	kN	Nm	
M6*	45	7	50	50	100	1.8	3.22	8	10
M8	50	9	63	63	100	2.38	3.95	15	13
M10	57	12	72	72	100	3.1	5.99	30	17
M12	68	14	86	86	115	5.71	8.55	40	19
M16	90	18	280	280	170	6.67	19.34	120	24
M20*	110	23	300	300	200	8.5	29	160	30
M24*	130	28	300	300	230	10.2	32	300	36

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