



THROUGH BOLTS - Zinc Plated ETA Approved

Code	Size	Anchor Hole Size	Anchor Length	Thread Length	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0841E490067	M6 x 67	6	67	20	20	45	100	16.2	41.93
0841E490082	M6 x 82	6	82	20	35	45	100	20.7	48.03
0841E540075	M8 x 75	8	75	25	16	55	100	34.4	55.58
0841E540090	M8 x 90	8	90	25	34	55	100	40.0	57.53
0841E540100	M8 x 110	8	110	25	54	55	100	47.80	62.40
0841E540120	M8 x 120	8	120	25	64	55	100	50.9	66.30
0841E560090	M10 x 90	10	90	30	21	60	50	30.6	70.20
0841E560120	M10 x 120	10	120	30	51	60	50	40.0	80.93
0841E560145	M10 x 145	10	145	30	76	60	50	48.4	106.68
0841E580110	M12 x 110	12	110	35	30	80	25	26.2	105.30
0841E580145	M12 x 145	12	145	35	65	80	25	34.8	126.75
0841E580160	M12 x 160	12	160	35	80	80	25	38.2	135.53
0841E580180	M12 x 180	12	180	80	100	80	25	42.1	181.35
0841E620115	M16 x 115	16	115	40	15	90	20	41.4	221.33
0841E620150	M16 x 150	16	150	40	48	95	20	50.4	235.95
0841E620180	M16 x 180	16	180	40	78	95	20	60.1	305.18
0841E640180	M20 x 180	20	180	45	57	110	10	49.6	399.21

The Through Bolts is a highly efficient throughbolt with excellent load bearing capacity in non-cracked concrete and close anchor spacing and edge distances.

A broad range of sizes and lengths make it a universal use anchor for medium to heavy duty applications. The ETA for Through Bolts with Stainless Steel expansion clip has been expanded to include reduced embedment depths in all diameters

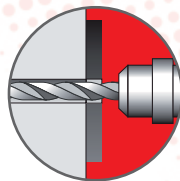


For loads for C20/25 30N/mm² CONCRETE.

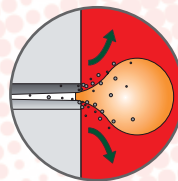
Shear loads are for loads away from a free edge.

Technical Information Through Bolts - Zinc Plated ETA

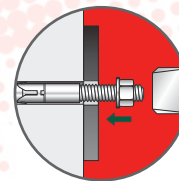
Thread Diameter (size)	Hole Diameter (mm)	Embedment Depth (mm)	Fixture Clearance Hole (mm)	Centre Spacing (mm)	Edge Distance (mm)	Structure Thickness (mm)	Approved Tensile Load kN	Approved Shear Load kN	Rec Tight Torque Nm
M6	6	55	7	120	60	100	4.1	2.9	8
M8	8	65	9	132	66	100	5.7	6.3	15
M10	10	70	12	144	72	100	7.6	8.0	30
M12	12	90	14	195	98	130	11.9	14.3	50
M16	16	95	18	246	123	170	16.7	23.6	100
M20	20	110	22	300	150	200	23.8	37.1	200



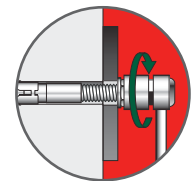
Drill your hole to the correct diameter...



...clear any debris...



...insert Through Bolt through fixture into hole...



...tighten to recommended tightening torque.