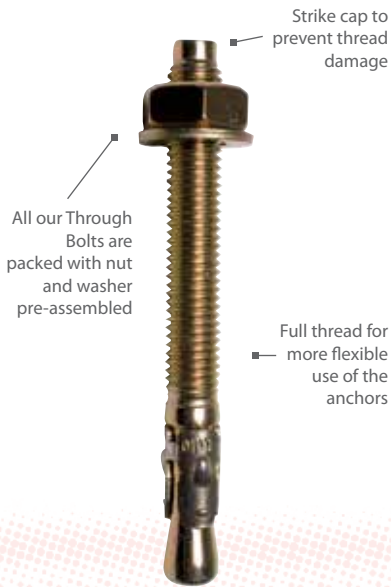
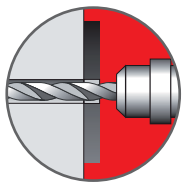


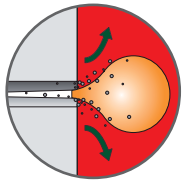
THROUGH BOLTS



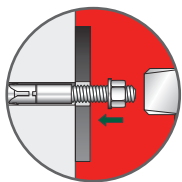
A Through Bolt is a torque controlled anchor, where the hole size is the same as the bolt.



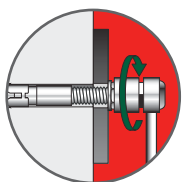
Drill your hole to the correct diameter...



...clear any debris...



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



...tighten to recommended tightening torque.

THROUGH BOLTS - Zinc & Yellow

Code	Size	Anchor Hole Size	Anchor Length	Thread Length	Fastens Up To	Min Hole Depth	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0841M490040	M6 x 40	6	40	18	3	27	100	1000	1.02	22.72
0841M490045	M6 x 45	6	45	18	3	30	100	1000	1.26	24.98
0841M490055	M6 x 55	6	55	25	15	35	100	1000	1.35	25.54
0841M490070	M6 x 70	6	70	25	30	35	100	1000	1.67	26.20
0841M490085	M6 x 85	6	85	25	45	35	100	1000	2.12	32.56
0841M490095	M6 x 95	6	95	25	55	35	100	1000	2.00	38.30
0841M540050	M8 x 50	8	50	25	10	35	100	500	2.70	31.67
0841M540065	M8 x 65	8	65	25	20	40	100	500	3.30	35.54
0841M540080	M8 x 80	8	80	25	35	40	100	500	3.90	41.86
0841M540100	M8 x 100	8	100	25	55	40	100	400	4.08	46.59
0841M540105	M8 x 105	8	105	25	60	40	100	400	4.90	44.50
0841M540120	M8 x 120	8	120	25	75	40	100	400	5.50	52.13
0841M560065	M10 x 65	10	65	30	15	40	50	500	5.20	50.35
0841M560075	M10 x 75	10	75	30	25	40	50	500	5.40	56.70
0841M560090	M10 x 90	10	90	30	30	50	50	250	6.32	57.92
0841M560095	M10 x 95	10	95	30	35	50	50	250	7.00	60.12
0841M560115	M10 x 115	10	115	30	55	50	50	250	8.20	69.71
0841M560120	M10 x 120	10	120	30	60	50	50	250	8.60	70.95
0841M560130	M10 x 130	10	130	30	70	50	50	250	9.20	72.28
0841M580080	M12 x 80	12	80	40	20	50	25	250	8.40	73.85
0841M580100	M12 x 100	12	100	40	30	60	25	200	10.20	79.32
0841M580120	M12 x 120	12	120	40	50	60	25	200	12.00	80.84
0841M580135	M12 x 135	12	135	40	65	60	60	150	13.30	105.85
0841M580140	M12 x 140	12	140	40	70	60	25	150	13.00	106.05
0841M580150	M12 x 150	12	150	40	80	60	25	150	14.60	118.81
0841M580180	M12 x 180	12	180	40	110	60	25	150	16.40	148.35
0841M620090	M16 x 90	16	90	60	10	60	20	125	18.50	142.64
0841M620105	M16 x 105	16	105	60	15	70	20	125	19.10	151.60
0841M620125	M16 x 125	16	125	60	25	80	20	100	22.50	171.52
0841M620140	M16 x 140	16	140	60	40	80	20	75	24.60	171.80
0841M620150	M16 x 150	16	150	60	50	80	20	75	26.15	202.05
0841M620180	M16 x 180	16	180	60	80	80	15	75	32.00	233.94
0841M620220	M16 x 220	16	220	60	120	80	15	45	37.30	268.44
0841M640125	M20 x 125	20	125	65	15	85	10	50	36.30	254.48
0841M640160	M20 x 160	20	160	65	40	100	10	50	45.00	308.58
0841M640200	M20 x 200	20	200	65	80	100	10	40	54.90	401.01
0841M640220	M20 x 220	20	220	65	100	100	10	30	60.20	474.70
0841M640300	M20 x 300	20	300	65	180	100	10	30	79.70	545.96
0841M660180	M24 x 180	24	180	65	45	120	10	-	69.00	720.49
0841M660260	M24 x 260	24	260	65	125	120	5	-	98.00	942.14

Technical Information Through Bolts - Zinc & Yellow

Thread Diameter (size)	Hole Diameter (mm)	Embedment Depth (mm)	Fixture Clearance Hole (mm)	Centre Spacing (mm)	Edge Distance (mm)	Structure Thickness (mm)	Rec Tensile Load kN	Rec Shear Load kN	Rec Tight Torque Nm
M6	6	35	7	70	50	50	1.80	2.30	6
M8	8	40	9	75	60	60	2.80	3.20	10
M10	10	50	12	105	80	80	4.30	5.80	28
M12	12	60	14	140	100	100	6.80	7.20	34
M16	16	70	18	165	130	110	8.00	10.40	85
M20	20	100	22	195	160	130	10.80	14.00	160
M24	24	120	26	250	200	180	26.20	49.30	300

For loads for 30 N/mm² CONCRETE.
Shear loads are for loads away from a free edge.