



The throughbolt is a torque controlled anchor suitable for use in concrete over C20/25



Throughbolt • Stainless Steel Grade A4-316

Part Number	Anchor Hole Size mm	Anchor Length mm	Thread Length mm	Maximum Fixture Thickness mm	Minimum Hole Depth mm	Quantity Per Box	Ship Wt. Kg Per 100	Price £ Per 100
TSS06040	6	40	16	5*	40	100	1.12	159.33
TSS06065	6	67	20	10	60	100	1.38	179.94
TSS08050	8	50	25	5*	45	100	2.32	184.25
TSS08075	8	75	25	10	65	100	3.44	211.57
TSS08095	8	95	25	30	65	100	4.19	245.61
TSS08120	8	120	25	55	65	100	5.09	272.99
TSS10060	10	60	25	10*	50	50	4.62	286.58
TSS10080	10	85	30	10	70	50	6.00	313.88
TSS10100	10	105	30	30	70	50	6.94	368.43
TSS10125	10	125	30	50	70	50	8.42	423.34
TSS10175	10	175	30	100	70	50	11.40	548.60
TSS12085	12	95	50	10*	80	25	10.00	443.37
TSS12100	12	105	50	10	90	25	10.20	477.67
TSS12115	12	115	35	20	90	25	11.36	559.42
TSS12145	12	145	35	50	90	25	13.92	641.50
TSS12200	12	200	80	105	90	25	16.84	1,033.62
TSS16110	16	115	35	15*	95	20	16.80	1,015.50
TSS16125	16	130	40	10	110	20	18.00	1,129.81
TSS16150	16	150	40	30	110	20	25.20	1,330.40
TSS16175	16	180	80	60	110	20	30.05	1,461.74
TSS20170	20	180	45	35	130	10	49.60	2,284.70
TSS20220	20	240	45	95	130	10	65.00	2,729.02

*Reduced loading due to shallow embedment depths

Technical Information C20/25 Concrete

Anchor/Hole Size mm	Thread Diameter mm	Embedment Depth mm	Fixture Clearance Hole mm	Centre Spacing mm	Edge Distance mm	Min. Structure Thickness mm	Approved Tensile Load KN	Approved Shear Load KN	Rec. Tightening Torque Nm
6	6	50 (30)	7	120	60	100	3.6 (1.3)	4.0 (2.2)	6
8	8	55 (40)	9	132	66	100	5.7 (2.2)	6.9 (3.9)	15
10	10	60 (40)	12	144	72	100	7.6 (3.3)	8.0 (5.0)	25
12	12	80 (70)	14	195	98	130	11.9 (8.3)	15.4 (8.5)	50
16	16	100 (80)	18	240	120	170	17.2 (9.4)	28.6 (24.6)	100
20	20	120	22	300	150	200	24.0	43.9	160

Figures in brackets are for shortest anchors at shallow embedment depths and are not part of the approval.

Shear loads are for loads away from a free edge