



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



Throughbolt • Hot Dipped Galvanised • Min 42µm

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
TG08050	8	50	22	5*	45	100	2.32	85.18
TG08075	8	75	25	10	65	100	3.44	94.51
TG08095	8	95	25	30	65	100	4.19	103.03
TG08120	8	120	25	55	65	100	5.09	113.09
TG10060	10	60	25	10*	50	50	4.62	112.31
TG10070	10	70	30	20*	50	50	5.21	122.11
TG10080	10	85	30	10	70	50	6.00	123.10
TG10100	10	105	30	30	70	50	6.94	126.25
TG10125	10	125	30	50	70	50	8.42	142.53
TG12085	12	95	50	10*	80	25	10.00	173.50
TG12100	12	110	35	15	90	25	10.20	188.99
TG12115	12	115	35	20	90	25	11.36	192.08
TG12145	12	145	35	50	90	25	13.92	222.37
TG12180	12	180	80	85	90	25	16.84	308.30
TG16110	16	115	40	15*	90	20	20.70	323.79
TG16125	16	130	40	10	110	20	22.50	365.60
TG16150	16	150	40	30	110	20	25.20	410.29
TG16200	16	200	40	80	110	20	30.03	551.25
TG20170	20	180	45	35	130	10	49.60	808.75
TG20220	20	220	45	75	130	10	65.00	880.35
TG20280	20	280	45	135	130	10	72.49	1,117.35

*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	Rec. Tensile Load KN	Rec. Shear Load KN	Rec. Tightening Torque Nm
8	8	55 (35)	9	85	85	100	5.7 (2.7)	6.3 (3.9)	15
10	10	60 (40)	12	130	115	100	7.6 (3.6)	8.0 (5.0)	30
12	12	80 (70)	14	175	155	130	12.6 (8.5)	14.3 (8.5)	50
16	16	100 (80)	18	215	190	170	17.8 (12.3)	23.6	100
20	20	120	22	300	250	200	23.8	37.1	200

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