



Product Model Shield Anchors

Three way expansion anchors with captive expansion zone suitable for providing fixings in brick, block, concrete and stone.

Technical data supplied by the manufacturer

MASON MATE[®]

Technical Information

Shield Anchors - Loose & Projecting Bolt

Thread Diameter (size)	Hole Diameter (mm)	Hole Depth (mm)	Fixture Clearance Hole (mm)	Centre Spacing (mm)	Edge Distance (mm)	Rec Tensile Load (kN)	Rec Shear Load (kN)	Rec Tight Torque (Nm)
M6	12	50	7 - 8	120	80	3.3	2.1	6.5
M8	14	55	9 - 10	150	100	4.8	4.4	15
M10	16	65	11 - 12	180	120	6.2	6.1	27
M12	20	85	13 - 14	250	160	9.7	9.7	50
M16	25	125	17 - 18	290	190	21.3	27.6	120

For loads for 30 N/mm² CONCRETE

Shield Anchors - Projecting Bolt

Code	Size	Anchor Hole Size	Shield Length	Thread Diameter	Fastens Up To	Bolt Length	Min Hole Depth	Qty Per Box	Weight Kg Per 100
0865P610	M6 x 10	12	45	6	10	65	50	50	3.00
0865P625	M6 x 25	12	45	6	25	80	50	50	3.37
0865P660	M6 x 60	12	45	6	60	115	50	50	3.92
0865P810	M8 x 10	14	50	8	10	75	55	50	6.54
0865P825	M8 x 25	14	50	8	25	90	55	50	6.74
0865P860	M8 x 60	14	50	8	60	125	55	50	7.80
0865P1015	M10 x 15	16	60	10	15	90	65	50	10.50
0865P1030	M10 x 30	16	60	10	30	105	65	50	11.50
0865P1060	M10 x 60	16	60	10	60	135	65	25	13.00
0865P1215	M12 x 15	20	75	12	15	110	85	25	16.70
0865P1230	M12 x 30	20	75	12	30	125	85	25	18.81
0865P1275	M12 x 75	20	75	12	75	170	85	10	21.20
0865P1615	M16 x 15	25	115	16	15	150	125	10	34.70
0865P1635	M16 x 35	25	115	16	35	170	125	10	38.20
0865P1675	M16 x 75	25	115	16	75	210	125	10	44.80

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Shield Anchors - Loose Bolt

Code	Size	Anchor Hole Size	Shield Length	Thread Diameter	Fastens Up To	Bolt Length	Min Hole Depth	Qty Per Box	Weight Kg Per 100
0865L610	M6 x 10	12	45	6	10	55	50	50	3.12
0865L625	M6 x 25	12	45	6	25	70	50	50	3.36
0865L640	M6 x 40	12	45	6	40	85	50	50	3.64
0865L810	M8 x 10	14	50	8	10	65	55	50	5.52
0865L825	M8 x 25	14	50	8	25	80	55	50	5.96
0865L840	M8 x 40	14	50	8	40	95	55	50	6.48
0865L1010	M10 x 10	16	60	10	10	75	65	50	9.44
0865L1025	M10 x 25	16	60	10	25	90	65	50	11.12
0865L1050	M10 x 50	16	60	10	50	115	65	50	11.32
0865L1075	M10 x 75	16	60	10	75	140	65	25	12.56
0865L1210	M12 x 10	20	75	12	10	90	85	25	16.96
0865L1225	M12 x 25	20	75	12	25	105	85	25	17.48
0865L1240	M12 x 40	20	75	12	40	120	85	25	19.04
0865L1260	M12 x 60	20	75	12	60	140	85	25	20.48
0865L1615	M16 x 15	25	115	16	15	135	125	10	38.20
0865L1630	M16 x 30	25	115	16	30	150	125	10	41.40
0865L1660	M16 x 60	25	115	16	60	180	125	10	44.40

Remark: This technical data sheet replaces all previous versions. The technical data contained herein is given in good faith and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings. The information detailed in this technical data sheet is given by way of indication and is not exhaustive, users should contact either the seller or the manufacturer of the product for additional technical information concerning its use, if they think the information in their possession needs to be clarified in any way.