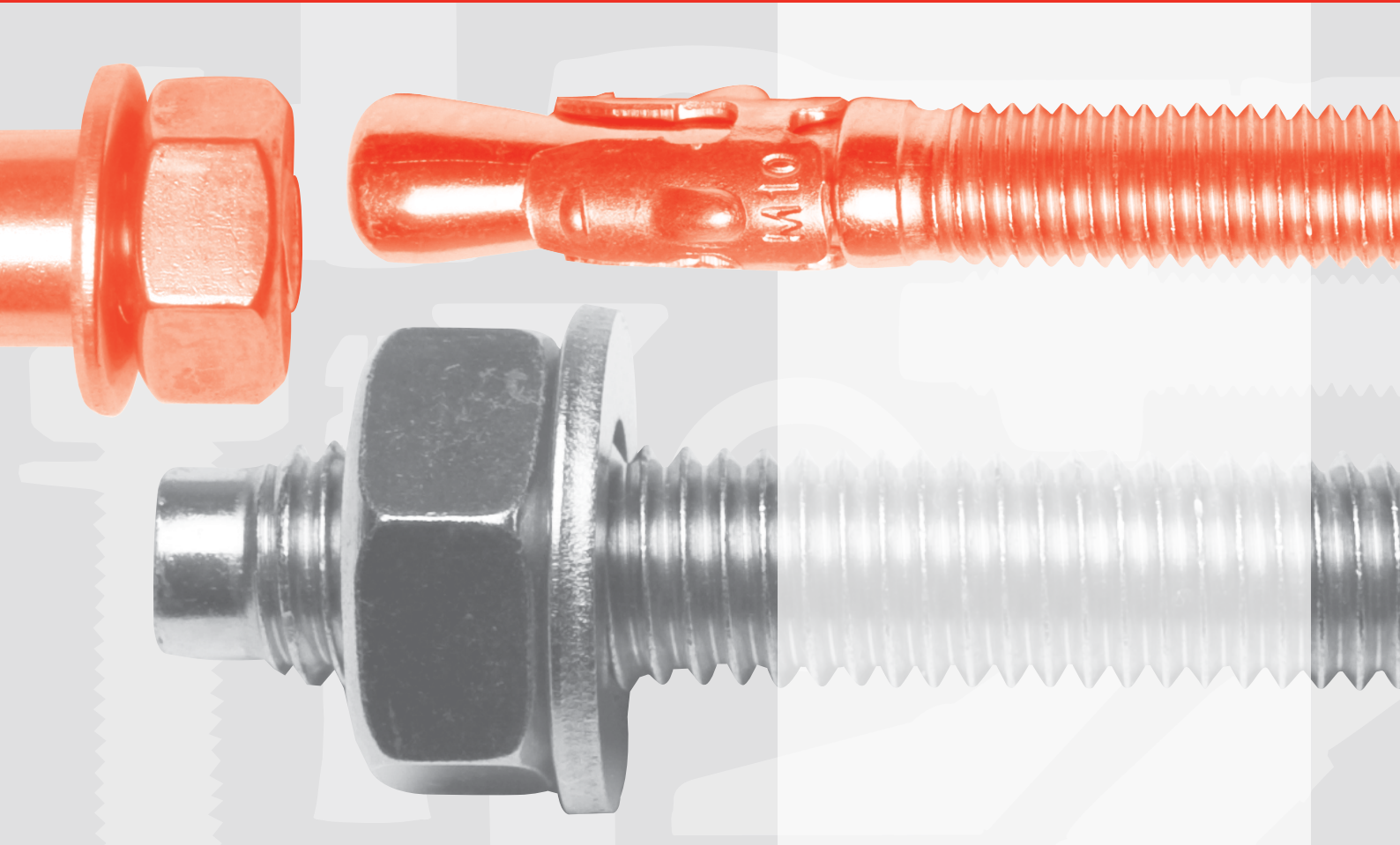




HARRISON & CLOUGH LTD

MASON[®] MATE FIXINGS



LEADING BRAND | INNOVATION | VALUE FOR MONEY

All available from the experts - Harrison & Clough Ltd

Welcome to the... ...Fixing Solutions Guide

MASONMATE[®] dedicates itself to providing the best fixing solutions for the construction industry.

We understand that in a technologically advancing world the requirements of our customers are constantly changing as are the methods in which products are used. It is this knowledge that allows the evolution of MASONMATE[®].

We have redeveloped and expanded the range with updated specifications and to include a number of new products. MASONMATE[®] products are manufactured to a consistently good quality, tried and tested in the UK market for over 13 years and offering the best value for money.

Fixing and anchor product selection and correct installation is important. The selection chart on the back page of this guide makes selection simple, and the installation instructions are shown on each page.

MASONMATE[®] packaging has been designed to withstand on-site use and labelling is clear and useful (see page 30), containing the relevant information for correct installation.

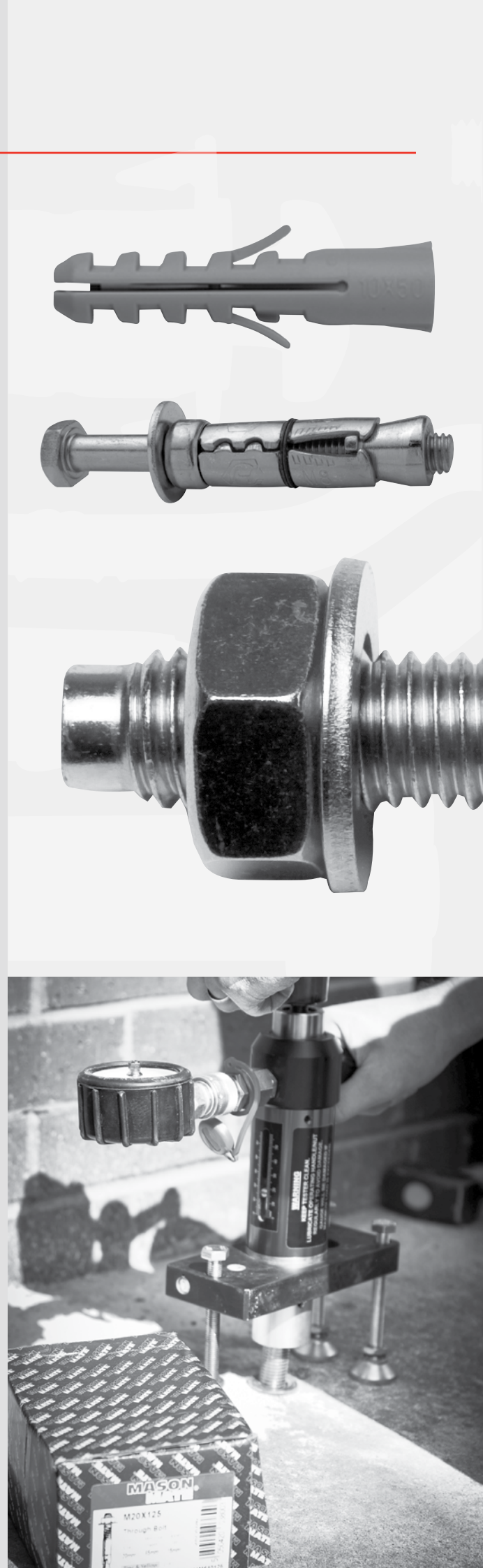
European Technical Approved (ETA) fixings and anchors are increasingly specified. This is reflected in MASONMATE[®]'s expanded ranges of approved fixings and anchors; Throughbolts, Heavy Duty Anchors and Chemical Injection Resins. Meeting high specifications and passing ETA test criteria that make these ranges the equal to any fixing or anchor in Europe.

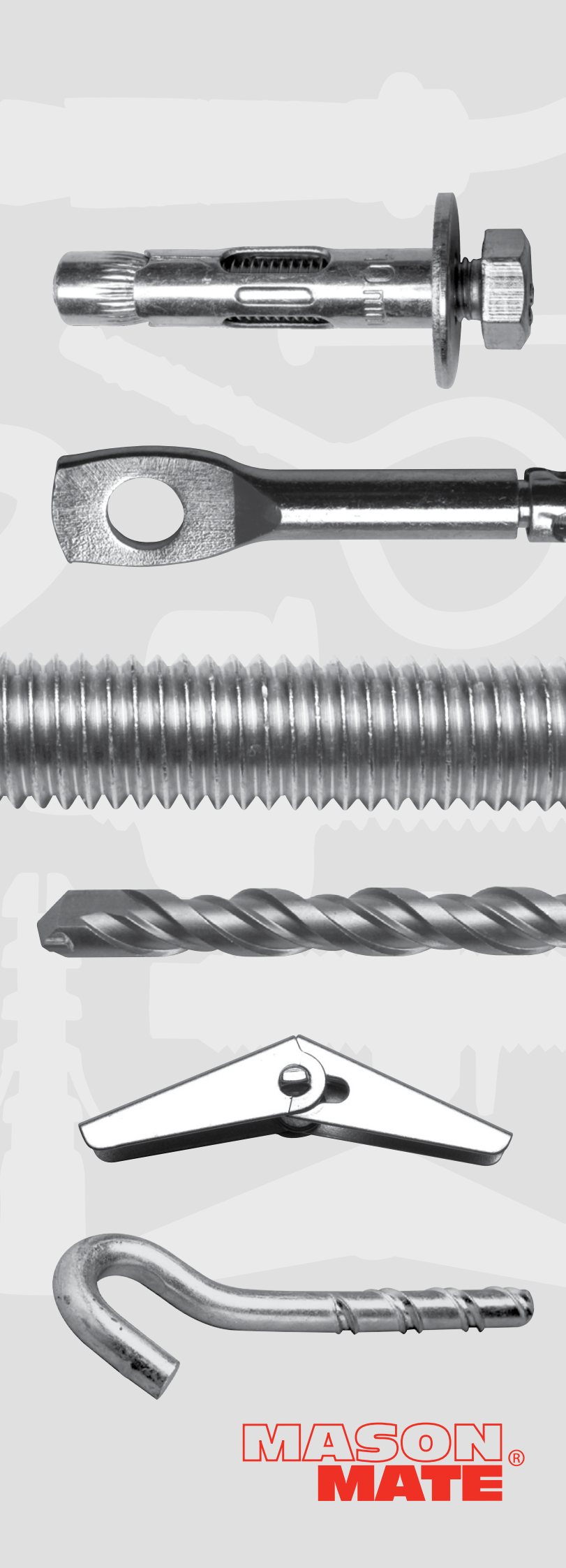
To provide full solutions in a developing industry MASONMATE[®] works in partnership with leading manufacturers such as MKT and Excalibur-Screwbolts, through to associated products from Everbuild[®].

MASONMATE[®] is just one of the brand names available from the Mates range. These fasteners and fixings span over 20,000 different product lines and incorporates the market-leading TIMBERMATE[®] and METALMATE[®] brands. With a comprehensive range including woodscrews, bolts, sockets, nuts and washers, all available in a variety of finishes, head styles and material grades.

We hope this guide will help not only in your product choice but also in providing you with valuable specification and usage information supported by our technical section online at www.masonmate.com.

the only choice for the true professional!





MASON[®]
MATE

CONTENTS

FIXINGS	Page
Through Bolts	3-4
Wire Hangers	4
Through Bolts ETA	5-6
Heavy Duty Anchors	7-8
Sleeve Anchors	9-10
Shield Anchors	11-12
Drop in Wedge Anchors	13
Masonry Nails	14
Screw Bolts - Excalibur	15-16
Chemical Anchors	17-19
Chemical Anchors - Technical Information	20
Resin Capsules & Studs	21-22
Light Duty Fixings	23-24
Cavity Fixings	25-26
Wall Plugs	27
Cable Ties	28
Fire Foam	28
Drills	29
Packaging Information	30
Selection Chart	Back Page

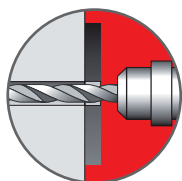


THROUGH BOLTS

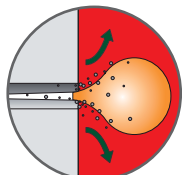
MASON[®]
MATE



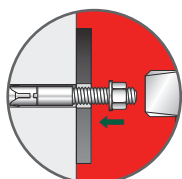
A Through Bolt is a torque controlled anchor, where the hole size is the same as the bolt.



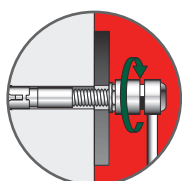
Drill your hole to the correct diameter...



...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
0841M490045	M6 x 45	6	45	22	3	30	100	1000	1.26	24.98
0841M490055	M6 x 55	6	55	32	15	35	100	1000	1.35	25.54
0841M490070	M6 x 70	6	70	47	30	35	100	1000	1.67	26.20
0841M490085	M6 x 85	6	85	62	45	35	100	1000	2.12	32.56
0841M490095	M6 x 95	6	95	72	55	35	100	1000	2.00	38.30
0841M540050	M8 x 50	8	50	20	10	35	100	500	2.70	31.67
0841M540065	M8 x 65	8	65	35	20	40	100	500	3.30	35.54
0841M540080	M8 x 80	8	80	50	35	40	100	500	3.90	41.86
0841M540100	M8 x 100	8	100	70	55	40	100	400	4.08	46.59
0841M540120	M8 x 120	8	120	90	75	40	100	400	5.50	52.13
0841M560065	M10 x 65	10	65	35	15	40	50	500	5.20	50.35
0841M560075	M10 x 75	10	75	45	25	40	50	500	5.40	56.70
0841M560090	M10 x 90	10	90	60	30	50	50	250	6.32	57.92
0841M560095	M10 x 95	10	95	65	35	50	50	250	7.00	60.12
0841M560120	M10 x 120	10	120	90	60	50	50	250	8.60	70.95
0841M560130	M10 x 130	10	130	100	70	50	50	250	9.20	72.28
0841M580080	M12 x 80	12	80	45	20	50	25	250	8.40	73.85
0841M580100	M12 x 100	12	100	65	30	60	25	200	10.20	79.32
0841M580120	M12 x 120	12	120	85	50	60	25	200	12.00	80.84
0841M580140	M12 x 140	12	140	105	70	60	25	150	13.00	106.05
0841M580150	M12 x 150	12	150	115	80	60	25	150	14.60	118.81
0841M580180	M12 x 180	12	180	145	110	60	25	150	16.40	148.35
0841M620090	M16 x 90	16	90	45	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	80	25	80	20	100	22.50	171.52
0841M620140	M16 x 140	16	140	95	40	80	20	75	24.60	171.80
0841M620150	M16 x 150	16	150	105	50	80	20	75	26.15	202.05
0841M620180	M16 x 180	16	180	135	80	80	15	75	32.00	233.94
0841M620220	M16 x 220	16	220	175	120	80	15	45	37.30	268.44
0841M640125	M20 x 125	20	125	75	15	85	10	50	36.30	254.48
0841M640160	M20 x 160	20	160	110	40	100	10	50	45.00	308.58
0841M640200	M20 x 200	20	200	150	80	100	10	40	54.90	401.01
0841M640220	M20 x 220	20	220	170	100	100	10	30	60.20	474.70
0841M640300	M20 x 300	20	300	250	180	100	10	30	79.70	545.96
0841M660180	M24 x 180	24	180	125	45	120	10	-	69.00	720.49
0841M660260	M24 x 260	24	260	205	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.



THROUGH BOLTS - Hot Dip Galvanised

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
0841M540050G	M8 X 50	8	50	22	5	45	100	2.32	80.97
0841M540075G	M8 X 75	8	75	25	10	65	100	3.44	88.31
0841M540095G	M8 X 95	8	95	25	30	65	100	4.19	97.48
0841M540120G	M8 X 120	8	120	25	55	65	100	5.09	107.32
0841M560060G	M10 X 60	10	60	25	10	50	50	2.31	107.91
0841M560085G	M10 X 85	10	85	30	10	70	50	3.00	119.47
0841M560105G	M10 X 105	10	105	30	30	70	50	3.47	124.15
0841M560125G	M10 x 125	10	125	30	50	70	50	4.21	136.36
0841M580085G	M12 X 85	12	85	25	10	80	25	2.10	168.51
0841M580100G	M12 X 100	12	100	35	15	90	25	2.50	180.29
0841M580115G	M12 X 115	12	115	35	20	90	25	2.84	183.97
0841M580145G	M12 X 145	12	145	35	50	90	25	3.48	215.22
0841M580180G	M12 x 180	12	180	80	85	90	25	4.21	309.16
0841M620110G	M16 X 110	16	110	60	15	90	20	4.14	314.40
0841M620125G	M16 X 125	16	125	40	10	110	20	4.50	353.47
0841M620150G	M16 X 150	16	150	40	30	110	20	5.04	396.01
0841M620200G	M16 X 200	16	200	55	80	110	20	6.50	503.04
0841M640170G	M20 X 170	20	170	45	35	130	10	4.96	649.54
0841M640220G	M20 X 220	20	220	55	75	130	10	6.00	755.74
0841M640280G	M20 X 280	20	280	55	135	130	10	7.00	795.50



Hot Dip Galvanised coating to over 40 microns for increased corrosion protection

Stainless Steel clips to reduce loss of protection when setting

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

All our Through Bolts are packed with nut and washer pre-assembled.

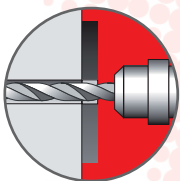
Technical Information Through Bolts - Hot Dip Galvanised

Thread Diameter (size)	Hole Diameter (mm)	Embedment Depth (mm)	Fixture Clearance Hole (mm)	Centre Spacing (mm)	Edge Distance (mm)	Structure Thickness (mm)	Recommended Tensile Load kN	Recommended Shear Load kN	Recommended Tight Torque kN
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

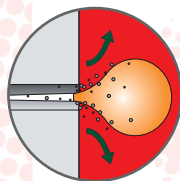
For loads for 30 N/mm² CONCRETE.
Shear loads are for loads away from a free edge.

WIRE HANGERS - Zinc & Yellow

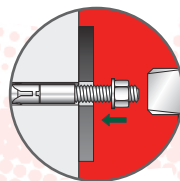
Code	Size	Anchor Hole Size	Anchor Length	Fastens Up To	Min Hole Depth	Rec Tensile Load kN	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0861T490060	6 x 60	6	60	-	45	1.5	100	1.41	23.16



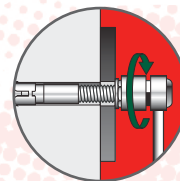
Drill your hole to the correct diameter...



...clear any debris...



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



...tighten to recommended tightening torque.



Fast and efficient installation, used for fixing suspended ceilings.



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.

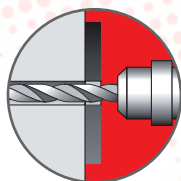
Shear loads are for loads away from a free edge.

THROUGH BOLTS - Zinc Plated ETA Approved

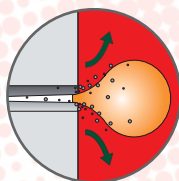
Code	Size	Anchor Hole Size	Anchor Length	Thread Length	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0841E490067	M6 x 67	6	67	20	20	45	100	16.2	41.93
0841E490082	M6 x 82	6	82	20	35	45	100	20.7	48.03
0841E540075	M8 x 75	8	75	25	16	55	100	34.4	55.58
0841E540090	M8 x 90	8	90	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

Technical Information Through Bolts - Zinc Plated ETA

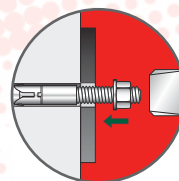
Thread Diameter (size)	Hole Diameter (mm)	Embedment Depth (mm)	Fixture Clearance Hole (mm)	Centre Spacing (mm)	Edge Distance (mm)	Structure Thickness (mm)	Approved Tensile Load kN	Approved Shear Load kN	Rec Tight Torque Nm
M6	6	55	7	120	60	100	4.1	2.9	8
M8	8	65	9	132	66	100	5.7	6.3	15
M10	10	70	12	144	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



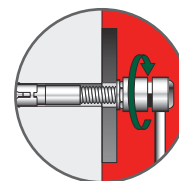
Drill your hole to the correct diameter...



...clear any debris...



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



...tighten to recommended tightening torque.

THROUGH BOLTS - Stainless Steel A4

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
0841M490040SS	M6 x 40	6	40	16	5	27	100	1000	1.18	167.46
0841M490055SS	M6 x 52	6	52	20	15	35	100	1000	1.67	173.06
0841M490070SS	M6 x 67	6	67	20	20	35	100	1000	2.07	196.20
0841M490085SS	M6 x 82	6	82	20	35	35	100	1000	2.35	259.75
0841M540050SS	M8 x 50	8	50	25	10	35	50	500	2.74	189.14
0841M540065SS	M8 x 60	8	60	25	10	40	50	500	3.44	202.92
0841M540080SS	M8 x 80	8	80	25	24	40	50	500	3.84	217.20
0841M540095SS	M8 x 95	8	95	25	39	40	100	400	4.19	260.74
0841M560065SS	M10 x 60	10	60	30	10	40	50	500	4.62	294.20
0841M560080SS	M10 x 85	10	85	30	20	50	50	500	6.08	322.28
0841M560095SS	M10 x 95	10	95	30	26	50	50	250	6.96	378.27
0841M560120SS	M10 x 120	10	120	30	51	50	50	250	8.25	413.13
0841M560125SS	M10 x 125	10	125	30	56	60	50	250	8.40	430.24
0841M580075SS	M12 x 75	12	75	30	5	70	25	250	8.48	450.71
0841M580105SS	M12 x 105	12	105	35	25	70	25	200	10.40	492.32
0841M580115SS	M12 x 115	12	115	35	35	70	25	200	12.44	586.65
0841M580145SS	M12 x 145	12	145	35	65	70	25	150	15.22	651.92
0841M580180SS	M12 x 180	12	180	80	100	70	25	150	18.56	1038.53
0841M620100SS	M16 x 90	16	90	35	5	85	20	150	16.80	1099.55
0841M620130SS	M16 x 130	16	130	40	28	85	20	100	25.20	1116.46
0841M620150SS	M16 x 150	16	150	40	48	85	20	75	30.05	1333.77
0841M620180SS	M16 x 180	16	180	80	78	85	20	75	34.50	1603.50
0841M640160SS	M20 x 180	20	180	45	57	100	10	50	49.60	2673.47

A4-316 Stainless Steel for maximum corrosion resistance, ideal in marine or coastal conditions.

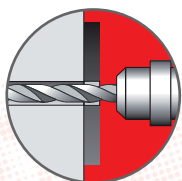


The Through Bolt A4 ETA is the stainless steel version of the zinc ETA throughbolt.

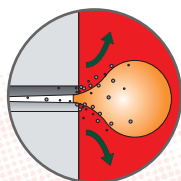
It offers excellent load bearing capacities, close anchor spacing and edge distances. The ETA for Through Bolts with stainless steel expansion clip has been expanded to include reduced embedded depths in all diameters

Technical Information Through Bolts - Stainless Steel - A4

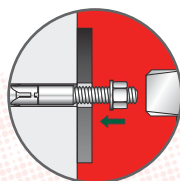
Thread Diameter (size)	Hole Diameter (mm)	Embedment Depth (mm)	Fixture Clearance Hole (mm)	Centre Spacing (mm)	Edge Distance (mm)	Structure Thickness (mm)	Rec Tensile Load kN	Rec Shear Load kN	Rec Tight Torque Nm
M6	6	35	7	120	60	100	3.6	4.0	6
M8	8	40	9	132	66	100	5.7	6.9	15
M10	10	50	12	144	72	100	7.6	8.0	25
M12	12	60	14	195	98	130	11.9	15.4	50
M16	16	70	18	246	126	170	17.2	28.6	100
M20	20	100	22	300	150	200	24.0	43.9	160



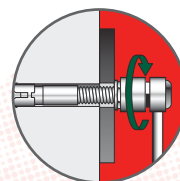
Drill your hole to the correct diameter...



...clear any debris...



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



...tighten to recommended tightening torque.

For loads for 30 N/mm² CONCRETE.

Shear loads are for loads away from a free edge.



ETA-02/0030



HEAVY DUTY ANCHORS - Countersunk Bolt Zinc

Code	Size	Anchor Hole Size	Anchor Length	Thread Diameter	Fastens Up To	Min Hole Depth	Head Diameter	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0870C610	6 x 10	10	70	6	10	65	16.5	50	3.94	229.49
0870C625	6 x 25	10	85	6	25	65	16.5	50	4.72	236.98
0870C645	6 x 45	10	105	6	45	65	16.5	50	5.78	248.72
0870C810	8 x 10	12	80	8	10	80	20.5	50	6.82	268.06
0870C825	8 x 25	12	95	8	25	80	20.5	50	7.96	289.78
0870C850	8 x 50	12	120	8	50	80	20.5	25	9.64	310.61
0870C1010	10 x 10	15	95	10	10	95	24.5	25	12.64	361.35
0870C1025	10 x 25	15	110	10	25	95	24.5	25	14.84	381.40
0870C1050	10 x 50	15	135	10	50	95	24.5	25	18.12	414.33
0870C1220	12 x 20	18	115	12	20	105	29.5	20	22.45	589.55
0870C1240	12 x 40	18	135	12	40	105	29.5	20	26.00	648.96

Technical Information Heavy Duty Anchors - Countersunk Bolt Zinc

Hole Diameter (mm)	Thread Diameter (size)	HEX Driver Size	Embedment Depth (mm)	Fixture Clearance Hole (mm)	Min.Centre Spacing (mm)	Edge Distance (mm)	Structure Thickness (mm)	Approved Tensile Load kN	Approved Shear Load kN	Rec Tight Torque Nm
10	M6	4	60	12	150	75	100	7.6	10.1	10
12	M8	5	70	14	180	90	120	9.5	17.1	25
14	M10	6	85	17	213	107	140	14.3	20.5	55
18	M12	8	95	20	240	120	160	17.2	24.5	70

For loads for 30 N/mm² CONCRETE - non cracked C20/25.
Shear loads are for loads away from a free edge.

HEAVY DUTY ANCHORS - A4 Stainless Steel

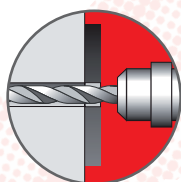
Code	Size	Anchor Hole Size	Anchor Length	Thread Diameter	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0870C540010SS	8 x 10	8	80	8	10	63	50	3.20	680.12
0870C540025SS	8 x 25	8	95	8	25	63	50	3.85	810.46
0870C560010SS	10 x 10	10	94	10	10	73	25	2.75	989.80
0870C560025SS	10 x 25	10	109	10	25	73	25	3.15	1051.54
0870C580015SS	12 x 15	12	112	12	15	93	20	4.20	1559.18
0870C580040SS	12 x 40	12	137	12	40	93	20	5.00	1731.66
0870C620025SS	16 x 25	16	150	16	25	107	10	4.75	1805.16

Technical Information Heavy Duty Anchors - Hex Bolt Zinc

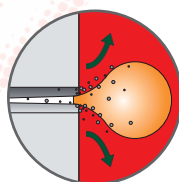
Hole Diameter (mm)	Thread Diameter (size)	Embedment Depth (mm)	Fixture Clearance Hole (mm)	Min.Centre Spacing (mm)	Edge Distance (mm)	Structure Thickness (mm)	Approved Tensile Load kN	Approved Shear Load kN	Rec Tight Torque Nm
12	M8	63	14	165	83	120	9.8	10.2	25
14	M10	73	16	195	98	140	12.6	14.5	50
18	M12	93	20	240	120	160	17.2	25.4	80

The Heavy Duty Anchor is a torque controlled anchor, suitable for concrete over 20N/mm².

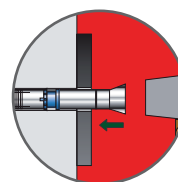
The anchor is ideally suited where reliability and security are the principle requirements in safety critical applications.



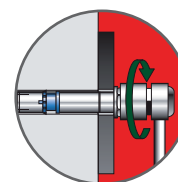
Drill your hole to the correct diameter...



...clear any debris...



...insert Heavy Duty Anchor into hole...



tighten to recommended tightening torque.

HEAVY DUTY ANCHORS - Hex Bolt Zinc

Code	Size	Anchor Hole Size	Anchor Length	Thread Diameter	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0870H810	8 x 10	12	87	8	10	80	50	6.60	150.86
0870H830	8 x 30	12	107	8	30	80	50	8.00	173.12
0870H850	8 x 50	12	127	8	50	80	25	10.00	190.41
0870H1015	10 x 15	15	108	10	15	95	25	12.80	208.81
0870H1025	10 x 25	15	118	10	25	95	25	14.00	223.74
0870H1045	10 x 45	15	138	10	45	95	25	16.00	261.26
0870H1210	12 x 10	18	117	12	10	105	20	20.50	328.98
0870H1220	12 x 20	18	127	12	20	105	20	22.00	365.50
0870H1240	12 x 40	18	147	12	40	105	20	25.50	408.26
0870H1620	16 x 20	24	152	16	20	130	10	47.00	694.81
0870H1650	16 x 50	24	182	16	50	130	10	55.00	719.89
0870H2030	20 x 30	28	192	20	30	160	10	85.00	1310.00
0870H2060	20 x 60	28	222	20	60	160	5	102.00	1423.77

Technical Information Heavy Duty Anchors - Hex Bolt Zinc

Thread Diameter (size)	Hole Diameter (mm)	Embedment Depth (mm)	Fixture Clearance Hole (mm)	Min Centre Spacing (mm)	Edge Distance (mm)	Structure Thickness (mm)	Approved Tensile Load kN	Approved Shear Load kN	Rec Tight Torque Nm
M8	12	70	14	180	90	120	9.5	14.0	30
M10	15	85	17	213	107	140	14.3	20.7	50
M12	18	95	20	240	120	160	17.2	34.3	80
M16	24	120	26	300	150	200	24.0	48.0	120
M20	28	150	30	375	188	250	33.5	67.1	280

For loads for 30 N/mm² CONCRETE - Non cracked C20/25.
Shear loads are for loads away from a free edge.

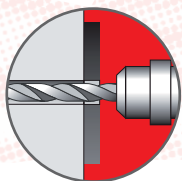
HEAVY DUTY ANCHORS - Stud & Nut Zinc

Code	Size	Anchor Hole Size	Anchor Length	Thread Diameter	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0870S810	8 x 10	12	90	8	10	70	50	3.30	168.56
0870S830	8 x 30	12	110	8	30	70	50	4.00	192.08
0870S850	8 x 50	12	130	8	50	70	25	2.50	210.70
0870S1015	10 x 15	15	111	10	15	85	25	3.20	232.26
0870S1025	10 x 25	15	121	10	25	85	25	3.50	251.86
0870S1045	10 x 45	15	141	10	45	85	25	4.00	287.14
0870S1210	12 x 10	18	122	12	10	95	20	4.10	379.26
0870S1220	12 x 20	18	132	12	20	95	20	4.40	411.60
0870S1240	12 x 40	18	152	12	40	95	20	5.10	458.64
0870S1270	12 x 70	18	182	12	70	95	20	6.10	513.52
0870S1620	16 x 20	24	157	16	20	120	10	4.70	803.60
0870S1650	16 x 50	24	187	16	50	120	10	5.50	895.72

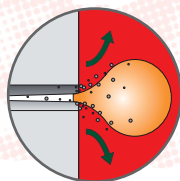


Thick Steel sleeve for strength

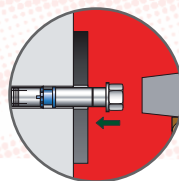
Crush lock feature for secure fit



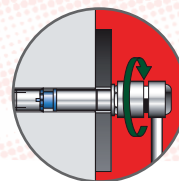
Drill your hole to the correct diameter...



...clear any debris...



...insert Heavy Duty Anchor into hole...



...tighten to recommended tightening torque.

The Heavy Duty Anchor is a torque controlled anchor, suitable for concrete over 20N/mm².

The anchor is ideally suited where reliability and security are the principle requirements in safety critical applications.

ETA for cracked and non-cracked concrete.

Shock Approved

SLEEVE ANCHORS

MASON[®]
MATE



Complete
with
DIN 125
washer
12mm OD

SLEEVE ANCHORS - Hex Loose Bolt

Code	Size	Anchor Hole Size	Anchor Length	Fastens Up To	Min Hole Depth	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0839M540045HB	M8 x 45	8	45	10	35	100	1000	1.70	16.50
0839M540070HB	M8 x 70	8	70	35	35	50	500	2.60	21.26
0839M540090HB	M8 x 90	8	90	55	35	50	500	3.60	29.00
0839M560045HB	M10 x 45	10	45	5	40	50	500	4.00	22.22
0839M560055HB	M10 x 55	10	55	15	40	50	500	4.60	23.54
0839M560080HB	M10 x 80	10	80	40	40	50	500	5.00	32.46
0839M560100HB	M10 x 100	10	100	60	40	50	400	5.70	36.88
0839M580065HB	M12 x 65	12	65	15	50	50	400	6.00	42.32
0839M580080HB	M12 x 80	12	80	30	50	50	300	7.30	54.51
0839M580100HB	M12 x 100	12	100	50	50	25	250	9.20	61.79
0839M620075HB	M16 x 75	16	75	20	55	25	200	11.10	114.04
0839M620120HB	M16 x 120	16	120	65	55	10	100	16.40	152.85

Technical Information Sleeve Anchor - Hex Loose Bolt

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	8	35	9-10	90	45	60	2.00	1.80	20
M8	10	40	11-12	100	50	70	2.70	3.30	40
M10	12	50	13-14	130	65	90	3.40	5.30	65
M12	16	55	17-18	140	70	95	4.20	7.70	90

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



SLEEVE ANCHORS - Hex Nut Stainless Steel A4

Code	Size	Anchor Hole Size	Anchor Length	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0839M49060SS	M6 x 60	6	60	26	30	100	1.37	79.93
0839M540040SS	M8 x 40	8	40	5	35	100	1.64	94.61
0839M540065SS	M8 x 65	8	65	30	35	50	2.40	115.99
0839M560050SS	M10 x 50	10	50	10	40	50	3.20	145.40
0839M560075SS	M10 x 75	10	75	37	40	50	4.44	193.91
0839M560100SS	M10 x 100	10	100	57	40	25	5.44	238.24
0839M580060SS	M12 x 60	12	60	10	50	25	6.11	247.13
0839M580075SS	M12 x 75	12	75	25	50	25	7.30	291.14
0839M580100SS	M12 x 100	12	100	49	50	25	9.10	339.20

Technical Information Sleeve Anchor - Hex Nut Stainless Steel - A4

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
M5	6	30	7-8	80	40	50	1.8	1.6	10
M6	8	48	9-10	125	65	60	3.20	3.00	20
M8	10	53	11-12	140	70	70	5.80	5.50	40
M10	12	68	13-14	180	90	90	8.50	8.60	65

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

The Sleeve Anchor is a thin walled anchor, for use in most types of masonry or concrete.
A through fixing, which allows hole to be drilled through the fixture for fast and simple installation.



SLEEVE ANCHORS - Hex Nut

Code	Size	Anchor Hole Size	Anchor Length	Fastens Up To	Min Hole Depth	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0839M460009	M6 x 36	6	36	8	35	100	1000	0.88	13.21
0839M460027	M6 x 56	6	56	28	35	100	1000	1.20	13.81
0839M490009	M8 x 40	8	40	12	40	100	1000	1.69	20.29
0839M490035	M8 x 65	8	65	37	40	50	500	2.60	22.98
0839M490060	M8 x 85	8	85	57	40	50	500	3.36	28.82
0839M540003	M10 x 40	10	40	3	40	50	500	1.40	24.00
0839M540009	M10 x 50	10	50	12	45	50	500	1.69	24.01
0839M540036	M10 x 77	10	77	39	45	50	500	4.72	29.90
0839M540060	M10 x 97	10	97	59	45	25	250	6.08	42.61
0839M560009	M12 x 60	12	60	15	55	25	250	6.58	41.88
0839M560022	M12 x 75	12	75	27	55	25	250	6.84	48.62
0839M560050	M12 x 99	12	99	51	55	10	100	9.40	60.33
0839M560080	M12 x 129	12	129	81	55	25	250	11.30	73.36
0839M580013	M16 x 65	16	65	20	60	25	250	10.82	76.06
0839M580055	M16 x 111	16	111	65	60	10	100	16.70	99.71
0839M580090	M16 x 147	16	147	102	60	10	100	21.10	125.16
0839M620025	M20 x 75	20	75	25	65	10	100	22.70	134.94
0839M620100	M20 x 151	20	151	101	65	5	50	38.80	233.62



SLEEVE ANCHORS - Countersunk Head Loose Bolt

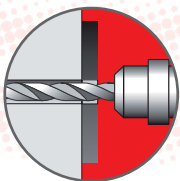
Code	Size	Anchor Hole Size	Anchor Length	Fastens Up To	Min Hole Depth	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0839M490055CB	M6 x 55	6	55	20	40	100	1000	1.30	49.35
0839M490075CB	M6 x 75	6	75	35	40	100	1000	1.55	52.27
0839M540060CB	M8 x 60	8	60	25	40	100	500	2.00	53.02
0839M560075CB	M10 x 75	10	75	35	45	50	500	4.60	73.76
0839M560102CB	M10 x 102	10	102	60	45	50	400	5.20	83.10



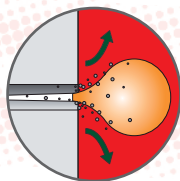
Technical Information Sleeve Anchor - Hex Nut & Csk Head Loose Bolt

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
M5	6	30	7-8	85	45	60	1.8	1.6	10
M6	8	35	9-10	90	45	60	2.00	1.80	20
M8	10	40	11-12	100	50	70	2.70	3.30	40
M10	12	50	13-14	130	65	90	3.40	5.30	65
M12	16	55	17-18	140	70	95	4.20	7.70	90
M16	20	60	21-22	150	75	100	5.9	14.3	165

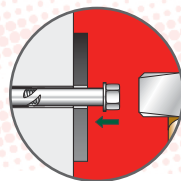
For loads for 30 N/mm² CONCRETE.
Shear loads are for loads away from a free edge.



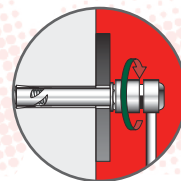
Drill your hole to the correct diameter...



...clear any debris...



...insert Sleeve Anchor into hole through fixture...



...tighten to recommended tightening torque.

SHIELD ANCHORS

MASON[®]
MATE



SHIELD ANCHORS - Loose Bolt

Code	Size	Anchor Hole Size	Shield Length	Thread Diameter	Fastens Up To	Bolt Length	Min Hole Depth	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0865L610	M6 x 10	12	45	6	10	55	50	50	600	3.12	56.67
0865L625	M6 x 25	12	45	6	25	70	50	50	600	3.36	74.60
0865L640	M6 x 40	12	45	6	40	85	50	50	600	3.64	78.06
0865L810	M8 x 10	14	50	8	10	65	55	50	450	5.52	84.98
0865L825	M8 x 25	14	50	8	25	80	55	50	300	5.96	93.67
0865L840	M8 x 40	14	50	8	40	95	55	50	300	6.48	106.40
0865L1010	M10 x 10	16	60	10	10	75	65	50	200	9.44	174.67
0865L1025	M10 x 25	16	60	10	25	90	65	50	200	11.12	182.20
0865L1050	M10 x 50	16	60	10	50	115	65	50	200	11.32	188.36
0865L1075	M10 x 75	16	60	10	75	140	65	25	150	12.56	196.15
0865L1210	M12 x 10	20	75	12	10	90	85	25	150	16.96	269.32
0865L1225	M12 x 25	20	75	12	25	105	85	25	100	17.84	277.18
0865L1240	M12 x 40	20	75	12	40	120	85	25	100	19.04	300.62
0865L1260	M12 x 60	20	75	12	60	140	85	25	100	20.48	316.23
0865L1615	M16 x 15	25	115	16	15	135	125	10	60	38.20	594.57
0865L1630	M16 x 30	25	115	16	30	150	125	10	60	41.40	653.94
0865L1660	M16 x 60	25	115	16	60	180	125	10	60	44.40	683.08



SHIELD ANCHORS - Projecting Bolt

Code	Size	Anchor Hole Size	Shield Length	Thread Diameter	Fastens Up To	Bolt Length	Min Hole Depth	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0865P610	M6 x 10	12	45	6	10	65	50	50	600	3.00	53.66
0865P625	M6 x 25	12	45	6	25	80	50	50	600	3.37	60.60
0865P660	M6 x 60	12	45	6	60	115	50	50	600	3.92	62.07
0865P810	M8 x 10	14	50	8	10	75	55	50	300	6.54	69.96
0865P825	M8 x 25	14	50	8	25	90	55	50	300	6.74	75.79
0865P860	M8 x 60	14	50	8	60	125	55	50	300	7.80	79.26
0865P1015	M10 x 15	16	60	10	15	90	65	50	200	10.50	105.94
0865P1030	M10 x 30	16	60	10	30	105	65	50	200	11.50	111.87
0865P1060	M10 x 60	16	60	10	60	135	65	25	200	13.00	114.26
0865P1215	M12 x 15	20	75	12	15	110	85	25	150	16.70	183.66
0865P1230	M12 x 30	20	75	12	30	125	85	25	150	18.80	198.92
0865P1275	M12 x 75	20	75	12	75	170	85	10	150	21.20	227.94
0865P1615	M16 x 15	25	115	16	15	150	125	10	60	34.70	446.68
0865P1635	M16 x 35	25	115	16	35	170	125	10	60	38.20	539.75
0865P1675	M16 x 75	25	115	16	75	210	125	10	60	44.80	809.57

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	12.4	50
M16	25	125	17-18	290	190	21.3	27.6	120

For loads for 30 N/mm² CONCRETE.



SHIELD ANCHORS - Eye Bolt - Forged

Code	Size	Anchor Hole Size	Eye hole Width	Shield Length	Thread Diameter	Min Hole Depth	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0865YE6	M6	12	10	45	6	50	50	600	3.64	125.71
0865YE8	M8	14	12	50	8	55	50	300	6.16	167.62
0865YE10	M10	16	14	60	10	65	50	200	11.80	250.50
0865YE12	M12	20	16	75	12	85	25	100	19.84	446.59

SHIELD ANCHORS - Hook Bolt

Code	Size	Anchor Hole Size	Shield Length	Thread Diameter	Min Hole Depth	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0865H6	M6	12	45	6	50	50	600	3.68	125.71
0865H8	M8	14	50	8	55	50	300	6.84	167.62
0865H10	M10	16	60	10	65	50	200	11.96	250.50
0865H12	M12	20	75	12	85	25	100	22.40	446.59

SHIELD ANCHORS - Shield Only

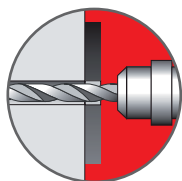
Code	Size	Anchor Hole Size	Shield Length	Thread Diameter	Min Hole Depth	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0865S6	M6	12	45	6	50	50	900	1.84	46.41
0865S8	M8	14	50	8	55	50	900	2.56	68.39
0865S10	M10	16	60	10	65	50	600	3.80	85.32
0865S12	M12	20	75	12	85	25	300	7.36	166.11
0865S16	M16	25	115	16	125	10	120	16.60	349.27

Technical Information Shield Anchors - Hook and Eye Bolt

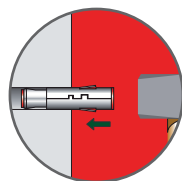
Thread Diameter (size)	Hole Diameter (mm)	Hole Depth (mm)	Centre Spacing (mm)	Edge Distance (mm)	Forged Eye Bolt Tensile Load kN	Pressed Eye Bolt Tensile Load kN	Forged Hook Bolt Tensile Load kN	Rec Tight Torque Nm
M6	12	50	120	80	1.6	0.6	0.6	6.5
M8	14	55	150	100	2.9	1.0	1.0	15
M10	16	65	180	120	4.6	1.3	1.7	24
M12	20	85	250	160	6.9	7.2	2.5	50

For loads for 30 N/mm² CONCRETE.

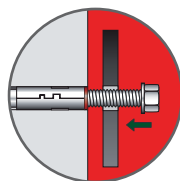
The Shield Anchor is the most popular anchor, internally threaded for fixing into masonry and concrete. Ideal general purpose anchor bolt, suitable for variations in hole size.



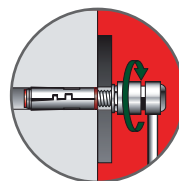
Drill your hole to the correct diameter...



...tap in anchor...



...insert Shield Anchor into hole...



...tighten to recommended tightening torque.



DROP IN WEDGE ANCHORS

MASON[®]
MATE



The Drop In is a deformation controlled wedge anchor suitable for concrete over 20N/mm².

It has an internal threaded socket for use with bolts or threaded rod of any length.

Lipped rim anchors are used to keep the anchor flush with the surface, ideal when the hole depth is much deeper as this won't effect the anchor.

DROP IN WEDGE ANCHORS - Zinc & Yellow

Code	Thread Size	Anchor Hole Size	Anchor Length	Min Hole Depth	Internal Thread Length (mm)	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0843M49	M6	8	25	25	10	100	2000	0.68	14.56
0843M54	M8	10	30	30	14	100	2000	1.26	17.19
0843M56	M10	12	40	40	15	100	1000	2.38	22.01
0843M58	M12	16	50	50	20	50	500	4.67	42.51
0843M62	M16	20	65	65	22	25	200	10.88	89.46
0843M64	M20	25	80	80	30	25	150	23.00	167.96

DROP IN WEDGE ANCHORS LIPPED - Zinc & Yellow

0843M54L	M8	10	30	30	100	2000	1.26	24.79
0843M58L	M12	16	50	50	50	500	4.67	44.29

DROP IN WEDGE ANCHORS - Stainless Steel A4

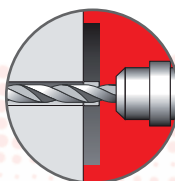
0843M49SS	M6	8	25	25	100	2000	0.70	161.60
0843M54SS	M8	10	30	30	100	2000	1.28	183.33
0843M56SS	M10	12	40	40	50	1000	2.40	250.67
0843M58SS	M12	16	50	50	50	500	4.70	410.33
0843M62SS	M16	20	65	65	25	200	11.00	806.46

SETTING TOOL - For Drop in Wedge Anchors

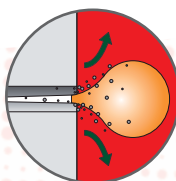
Code	Thread Size	Qty Per Box	Weight Kg Per 100	Price £ Per Item
0843M49SET	M6	1	0.8	0.69
0843M54SET	M8	1	0.9	0.73
0843M56SET	M10	1	1.3	1.19
0843M58SET	M12	1	3.0	1.76
0843M62SET	M16	1	3.7	3.69
0843M64SET	M20	1	5.0	4.65

Technical Information Drop In Wedge Anchors

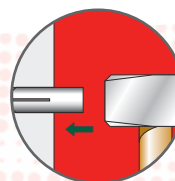
Thread Diameter (Size)	Hole Diameter (mm)	Hole Depth (mm)	Embedment Clearance Hole (mm)	Centre Spacing (mm)	Edge Distance (mm)	Rec Tensile Load kN	Rec Shear Load kN	Rec Tight Torque Nm
M6	8	25	7-8	70	95	2.4	1.9	4
M8	10	30	9-10	75	100	3.2	2.3	9
M10	12	40	11-12	100	135	4.9	2.8	17
M12	15	50	13-14	125	175	7.3	5.3	30
M16	20	65	17-18	165	230	9.8	8.4	75
M20	25	80	21-22	205	285	13.7	10.3	144



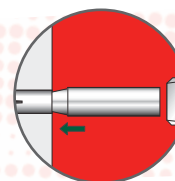
Drill your hole to the correct diameter...



...clear any debris...



...tap Wedge Anchor into hole...



...drive down plug using setting tool.

MASONRY NAILS - Countersunk & Round

Code	Shank	Length	Shank Diameter	Head Type	Qty Per Box	Weight Kg Per 100	Price £ per 100
0102T370025	Light	25	2.5	Countersunk	100	0.01	0.97
0102T370030	Light	30	2.5	Countersunk	100	0.12	1.14
0102T370040	Light	40	2.5	Countersunk	100	0.15	1.23
0102T370050	Light	50	2.5	Countersunk	100	0.19	1.36
0102T370060	Light	60	2.5	Countersunk	100	0.23	2.04
0102T390025	Medium	25	3.0	Countersunk	100	0.14	1.33
0102T390030	Medium	30	3.0	Countersunk	100	0.16	1.50
0102T390035	Medium	35	3.0	Countersunk	100	0.20	1.65
0102T390040	Medium	40	3.0	Countersunk	100	0.21	1.85
0102T390045	Medium	45	3.0	Countersunk	100	0.23	2.06
0102T390050	Medium	50	3.0	Countersunk	100	0.27	2.28
0102T390060	Medium	60	3.0	Countersunk	100	0.32	2.65
0102T390065	Medium	65	3.0	Countersunk	100	0.35	2.72
0102T390070	Medium	70	3.0	Countersunk	100	0.38	2.98
0102T390075	Medium	75	3.0	Countersunk	100	0.40	3.29
0102T390080	Medium	80	3.0	Countersunk	100	0.43	3.69
0103T430025	Heavy	25	3.5	Round	100	0.19	1.88
0103T430030	Heavy	30	3.5	Round	100	0.23	2.14
0103T430040	Heavy	40	3.5	Round	100	0.30	2.75
0103T430050	Heavy	50	3.5	Round	100	0.38	3.08
0103T430070	Heavy	70	3.5	Round	100	0.52	4.05
0103T430075	Heavy	75	3.5	Round	100	0.56	4.30
0103T430080	Heavy	80	3.5	Round	100	0.60	4.75
0103T430090	Heavy	90	3.5	Round	100	0.68	5.20



Masonry nails are hardened steel which may fracture and fly if not hit squarely.

Suitable eye protection must be worn.



MASONRY NAILS WITH WASHER - Mickey Pins

Code	Shank	Length	Shank Diameter	Head Type	Qty Per Box	Weight Kg Per 100	Price £ per 100
0103T370025W	Light	25	2.5	Round	100	0.14	7.69
0103T370030W	Light	30	2.5	Round	100	0.16	8.34



PLASTIC HEADED PINS/NAILS - A4 Stainless Steel

Code	Length	Shank Diameter	Colour	Qty Per Box	Weight Kg Per 100	Price £ per 100
0119W340025	25	2.00	White	250	0.08	6.73
0119W340030	30	2.00	White	250	0.09	6.73
0119W340040	40	2.00	White	250	0.12	6.73
0119W420040	40	3.35	White	100	0.34	19.39
0119W420050	50	3.35	White	100	0.40	18.65
0119W420065	65	3.35	White	100	0.51	18.65
0119B340025	25	2.00	Brown	250	0.08	6.99
0119B340030	30	2.00	Brown	250	0.09	6.99
0119B340040	40	2.00	Brown	250	0.12	6.99
0119B420050	50	3.35	Brown	100	0.40	19.39



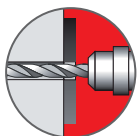
SCREWBOLTS - EXCALIBUR

**MASON[®]
MATE**

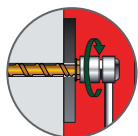


SCREWBOLTS HEX HEAD - Zinc & Yellow

Code	Size	Drill Diameter	Anchor Length	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0825M490050	M6 x 50	6	50	20	42	100	1.25	28.22
0825M490075	M6 x 75	6	75	35	42	100	1.80	37.80
0825M490100	M6 x 100	6	100	50	42	100	1.95	42.97
0825M540050	M8 x 50	8	50	14	56	100	2.40	40.64
0825M540075	M8 x 75	8	75	39	56	100	3.40	48.12
0825M540100	M8 x 100	8	100	50	56	100	4.40	64.72
0825M560060	M10 x 60	10	60	15	70	50	4.60	69.00
0825M560075	M10 x 75	10	75	30	70	50	5.60	74.70
0825M560100	M10 x 100	10	100	50	70	50	7.20	91.49
0825M560120	M10 x 120	10	120	70	70	50	8.40	97.68
0825M560150	M10 x 150	10	150	100	70	50	9.00	133.97
0825M580075	M12 x 75	12	75	20	84	50	8.00	94.30
0825M580100	M12 x 100	12	100	46	84	50	10.20	111.71
0825M580150	M12 x 150	12	150	96	84	50	14.17	168.86
0825M620100	M16 x 100	16	100	28	152	20	18.40	395.31
0825M620150	M16 x 150	16	150	58	152	20	25.50	454.90
0825M620200	M16 x 200	16	200	108	232	25	31.76	557.25
0825M640100	M20 x 100	20	100	28	140	20	33.65	447.15
0825M640150	M20 x 150	20	150	58	190	20	44.05	505.57
0825M640200	M20 x 200	20	200	108	240	10	52.50	651.63



Drill your hole to the correct diameter...



...drive down plug using setting tool.

Installation tips:-

The hole depth must be at least the embedment depth of the Screwbolt plus twice the diameter of the Screwbolt. Clean out excess dust.

Ensure that continual pressure is applied, particularly when engaging the first thread.

During installation, debris or dust created by the thread cutting action may cause some resistance to be experienced. This is easily overcome by unscrewing the Screwbolt for one turn or more, and then continuing fix to full embedment.

- **Secure fixing** - The Twin helical thread gives secure grip throughout the full embedment.
- **Fast** - 30° helix angle for fast insertion with power or hand tools (eg. 3 turns= 40mm embedment on 8mm).
- **Grip/Pullout** - The Wide pitch produces high strength grip without distressing surrounding substrate/material and the Deep thread engagement results in high performance.
- **Edge fixing** - No expansion by the bolt provides ability for close to the edge fixing.
- **Reusable** - Self tapping of thread into substrate allows for removal and replacement.

Torque Wrenches

Help confirm anchor is functioning correctly. Protects the material from being over stressed.

MasonMate tightening torques are calculated with care. When fixings are safety critical, and many are, torque needs to be right and use of torque wrench is vital.

Torque figure is quoted for concrete, consider reduction proportion for weaker materials such as soft brick or lightweight blocks.



Carolus 1/2" Torque Wrench

Code	Capacity	Price
4989T01210100	10-100Nm	158.52
4989T01220200	20-200Nm	158.52
4989T10260300	60-300Nm	172.31



Unior 264 Torque Wrenches

Code	Capacity	Price
6010T615485	1/4" 2-24Nm	96.75
6010T615486	3/8" 5-110Nm	96.75
6010T615487	1/2" 42-210Nm	96.75
6010T615488	1/2" 35-350Nm	147.95
6010T615489	3/4" 70-560Nm	280.65
6010T615490	3/4" 70-700Nm	512.25
6010T615491	1" 140-980Nm	606.85



SCREWBOLTS COUNTERSUNK HEX SOCKET - Zinc & Yellow

Code	Size	Drill Diameter	Anchor Length	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0827M490050	M6 x 50	6	50	20	42	100	1.14	28.36
0827M490075	M6 x 75	6	75	35	42	100	1.49	38.67
0827M540050	M8 x 50	8	50	14	56	100	2.03	41.82
0827M540075	M8 x 75	8	75	39	56	100	3.49	48.99
0827M540100	M8 x 100	8	100	50	56	100	3.95	54.72
0827M560075	M10 x 75	10	75	30	70	50	4.35	78.39
0827M560100	M10 x 100	10	100	50	70	50	5.45	92.68
0827M580075	M12 x 75	12	75	20	84	50	6.36	96.68
0827M580100	M12 x 100	12	100	46	84	50	7.90	116.02
0827M580150	M12 x 150	12	150	96	84	50	12.23	172.75



Technical Information Excalibur Screwbolts - Hex Head & Countersunk

Thread Diameter (Size)	Drill Diameter (mm)	Embedment 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	6	30	7	90	45	1.7	4.8	20
M8	8	40	10	100	60	4.9	8.5	25
M10	10	50	12	120	60	6.3	8.7	40
M12	12	60	14	170	80	8.8	12.3	60
M16	16	120	16	200	90	15.7	15.4	80

For loads for 30 N/mm² CONCRETE.

Shear loads are for loads away from a free edge.

EYE SCREWBOLTS - Zinc & Yellow

Code	Size	Drill Diameter	Anchor Length	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0829M540055	8 x 55	8	55	-	56	50	8.0	141.74
0829M560065	10 x 65	10	65	-	70	25	15.0	168.60
0829M580075	12 x 75	12	75	-	84	25	28.0	244.98



HOOK SCREWBOLTS - Zinc & Yellow

Code	Size	Drill Diameter	Anchor Length	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0830M560065	10 x 65	10	65	-	70	25	12.0	146.50
0830M580075	12 x 75	12	75	-	84	25	23.0	183.90



SCAFFOLD BOLT - Zinc

Code	Size	Drill Diameter	Anchor Length	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Each
0824M580120	12	12	185	-	-	25	30.0	6.36

(11 for soft materials)

Technical Information Scaffold Bolt

Thread Diameter (Size)	Drill Diameter (mm)	Ringbolt Internal Diameter (mm)	Fixture Clearance Hole (mm)	Safe Load on Eye kN
M12	12	52	15	16.4



Eye is closed by a weld.





**Non-Cut
System**



The (foil) bag system creates less product waste during usage, and leaves less waste product inside the cartridge, which gives you more resin to use.

410ml / 300ml / 165ml INJECTION RESIN

NEW NON-CUT SYSTEM FEATURES / BENEFITS:

- Ready to use without cutting means a safer, faster extrusion
- Available in the entire chemical anchor range
- Low extrusion force, easier and faster to use
- 100% resin extrusion
- No resin waste after opening
- Uses Standard Tools
- Absolutely no leakage



Sealing Plug



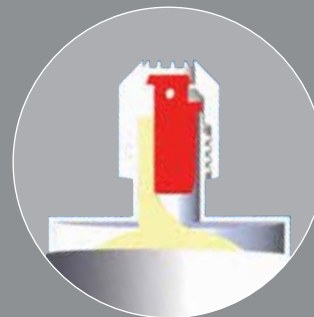
Step 1
Unscrew cap



Step 2
Screw on mixer



Step 3
Extrude using Standard Tools



Opening and Seal System
safer, quicker, easier

Code	Content	Cartridge Description
0868PR410	410ml	Polyester Resin with 1 mixer nozzle
0868EA410	410ml	Styrene Free Epoxy Acrylate with 1 mixer nozzle
0868VE410	410ml	High-Load Pure Vinylester Resin with 1 mixer nozzle
0868MC165	165ml	Styrene Free Polyester Resin with 1 mixer nozzle
0868PR300	300ml	Styrene Free Polyester Resin with 1 mixer nozzle



410ml - Single Piston

Suitable for
all cartridges.

Special disruptor
for diffusion effect
to reduce force.

X9 helical mixing
deflectors inside.

Instantly mixed
product with
no wastage.

Superior mixing
compared to
other mixers.



WITH "TURBO MIXER" NOZZLE!

CHEMICAL ANCHORS - Injection Resins

Code	Content	Cartridge Description	Qty Per Box	Weight Kg Per Cartridge	Price £ Per Item
0868MC165	165ml	Styrene Free Polyester Resin with 1 mixer nozzle	15	0.38	12.50
0868PR300	300ml	Styrene Free Polyester Resin with 1 mixer nozzle	12	0.60	17.39
0868PR410	410ml	Polyester Resin with 1 mixer nozzle	12	0.76	15.28
0868EA410	410ml	Styrene Free Epoxy Acrylate with 1 mixer nozzle	12	0.76	17.72
0868VE410	410ml	High-Load Pure Vinylester Resin with 1 mixer nozzle - ETA Approved	12	0.78	18.65
0868PE400	400ml	Pure Epoxy Resin with 1 mixer nozzle - WRAS Approved	10	0.82	26.55

NUMBER OF FIXINGS PER CARTRIDGE

Stud Diameter (mm)	Hole Diameter (mm)	Hole Depth (mm)	Fixings Per 410ml	Fixings Per 300ml	Fixings Per 165ml
8	10	80	90	71	39
10	12	90	55	43	24
12	14	110	33	26	14
16	18	125	17	13	7
20	22	170	9	7	4

Technical Information Epoxy Acrylate

Thread Diameter (size)	Hole Diameter (mm)	Embedment Depth (mm)	Fixture Clearance Hole (mm)	Characteristic Spacing (mm)	Characteristic Edge Distance (mm)	Structure Thickness (mm)	Rec Tensile Load kN	Rec Shear Load kN	Rec Tight Torque Nm
M8	10	80	9	160	80	100	5.60	5.40	6
M10	12	90	11	180	90	130	9.00	8.60	17
M12	14	110	13	220	110	150	14.10	12.50	33
M16	20	125	17	250	125	170	20.70	23.30	75
M20	24	170	22	340	170	190	27.70	36.40	120
M24	28	210	26	420	210	240	52.40	54.70	198
M30	35	280	33	560	280	360	118.60	118.60	480

Concrete = 25Nmm² (C20/25) 5.8 Grade Studding

Technical Information Polyester Resin

Thread Diameter (size)	Hole Diameter (mm)	Embedment Depth (mm)	Fixture Clearance Hole (mm)	Characteristic Spacing (mm)	Characteristic Edge Distance (mm)	Structure Thickness (mm)	Rec Tensile Load kN	Rec Shear Load kN	Rec Tight Torque Nm
M8	10	80	9	160	80	100	4.90	5.40	6
M10	12	90	11	180	90	130	7.50	8.60	17
M12	14	110	13	220	110	150	10.60	12.50	33
M16	20	125	17	250	125	170	12.30	23.30	75
M20	24	170	22	340	170	190	19.90	36.40	120
M24	28	210	26	420	210	240	27.40	52.40	198
M30	35	280	33	560	280	360	46.50	69.30	480

Concrete = 25Nmm² (C20/25) 5.8 Grade Studding

Typical Cure Times Example for Polyester with M12 Fixing

Base Material Temperature °C	35°C	25°C	15°C	5°C	-5°C	-10°C
Gel Time (Working Time)	3mins	7mins	11mins	21mins	50mins	60mins
Minimum Loading Time	20mins	20mins	20mins	30mins	90mins	180mins

(also listed on label of each resin tube)

COSHH safety sheet available on request or online at www.masonmate.com



300ml
Polyester Resin



410ml
Epoxy Acrylate



410ml High-Load
Pure Vinylester



0603526



400ml
Pure Epoxy Resin

Injection Resins are used for fixing in awkward materials or where access may be difficult.

Polyester Resin is a general purpose, fixing resin.

Epoxy Acrylate is for improved performance in concrete, damp or corrosive conditions.

Pure Resin can be used in damp or even wet conditions.

WRAS approved for potable water applications.

Arctic and Tropical resins available.



INJECTION TOOLS

Code	Description	Qty	Weight Kg Per Item	Price £ Per Item
0868IT380	Heavy Duty, for any 380ml or 410ml Cartridge	1	1.00	36.11
0868IT150	Heavy Duty, for any 300ml or 165ml Cartridge	1	1.00	20.00
AT11001	Light Duty, for any 300ml or 165ml Cartridge	1	0.33	2.60
3010TSGNEPOWER	Medium duty, for 300ml or 165ml Cartridge (Everbuild Power Pro)	1	1.20	19.97

MIXER NOZZLES

Code	Description	Qty Per Bag	Weight Kg Per Bag	Price £ Per Item
0868MN	Mixer Nozzles to suit 165ml, 300ml, 380ml, 400ml, 410ml Cartridges	25	0.23	1.00
0868MNE	Nozzle Extension 250ml	25	0.23	1.00

HOLE CLEANING BRUSHES

Code	Hole Size	Brush Diameter	Brush Length	Qty	Weight Kg Per Item	Price £ Per Item
0868B59	M8 - M12	13	300mm with 80mm Bristles	1	0.04	4.44
0868B63	M12 - M16	18	300mm with 80mm Bristles	1	0.04	4.67
0868B687	M16 - M24	28	300mm with 80mm Bristles	1	0.05	4.78

BLOW OUT PUMPS

Code	Hole Size	Description	Qty	Weight Kg Per Item	Price £ Per Item
0868BP	190mm	Blow Out Pump	1	0.15	10.61

For clearing holes prior to installation.

WIRE MESH SLEEVES

Code	For Stud Size	Sleeve Size	Hole size	Length	Qty	Weight Kg Per Item	Price £ Per Item
0868WS57	M6 - M8	11 x 1000	12	1mtr	1	0.06	8.89
0868WS61	M10 - M12	15 x 1000	16	1mtr	1	0.07	9.44
0868WS65	M16	22 x 1000	22	1mtr	1	0.10	11.67

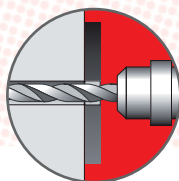
Sleeves sold individually and can be cut to the required length.

NYLON SLEEVES WITH STUD ALIGNMENT COLLAR

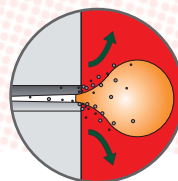
Code	For Stud Size	Sleeve Size	Hole Size	Length	Qty Per Bag	Weight Kg Per Item	Price £ Per 100
0868S61	M8 - M12	15 x 85	16	85mm	25	0.003	29.44
0868S64	M16	20 x 85	22	85mm	25	0.003	40.00

Use sleeves with injection resin in hollow brick or block applications.

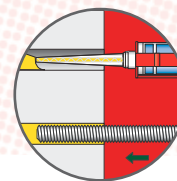
With caps for overhead applications.



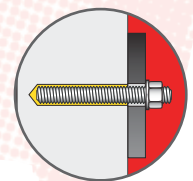
Drill your hole to the correct diameter...



...clear any debris...



...pump in the resin and twist stud...



...allow the recommended cure time.

Technical Information Studs with Capsules

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
M8	10	80	10	120	100	110	4.75	4.20	10
M10	12	90	12	140	110	130	7.55	6.85	30
M12	14	110	14	165	135	160	10.95	8.85	30
M16	18	125	18	190	155	175	14.75	15.65	60
M20	25	170	25	260	210	220	22.30	26.50	120
M24	28	210	28	320	260	270	28.50	33.60	200
M30	35	280	35	420	350	340	32.10	62.00	400



Technical Information Threaded Sockets Used With Spin-In Capsules

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
M8	14	90	10	180	110	110	6.0	3.3	7
M10	18	90	12	200	125	115	9.6	5.3	11
M12	22	90	14	240	135	120	14.0	7.7	25
M16	28	125	18	280	155	160	21.3	11.3	50



Technical Information Threaded Sockets Used With Injection Resin

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
M8	14	90	10	130	110	110	7.3	5.8	7
M10	18	90	12	145	130	115	13	8.9	11
M12	22	90	14	170	150	120	17.7	13.2	25
M16	28	125	18	200	170	160	27.8	23.9	50



Technical Information Rebar with Capsules & Injection Resins

Thread Diameter (size)	Capsule code	Hole Diameter (mm)	Embedment Depth (mm)	Centre Spacing (mm)	Edge Distance (mm)	Structure Thickness (mm)	Rec Tensile Load kN	Rec Shear Load kN
M8	0868M54HI	10	80	120	100	120	5.1	6
M10	0868M56HI	13	100	150	125	150	8.6	9.2
M12	0868M58HI	15	120	165	135	180	11.7	13.6
M14	0868M58HI	18	140	175	145	210	16.6	18.4
M16	0868M62HI	20	160	190	155	240	20.1	24
M20	0868M64HI	25	200	300	250	300	32.9	37.6
M24	0868M66HI	30	250	360	300	375	49.1	58.8



Technical Information Threaded Stud with Capsules

Thread Diameter (size)	Capsule code	Hole Diameter (mm)	Embedment Depth (mm)	Centre Spacing (mm)	Edge Distance (mm)	Structure Thickness (mm)	Rec Tensile Load kN	Rec Shear Load kN	Rec Tight Torque Nm
M8	0868M54HI	10	80	120	100	120	5.1	4.1	10
M10	0868M56HI	12	100	150	125	150	7.7	6.6	20
M12	0868T62HI	14	110	165	135	165	10	9.7	40
M16	0868M62HI	18	125	190	155	190	16.6	19.1	95
M20	0868M64HI	25	200	300	250	300	28.6	28.8	180
M24	0868M66HI	28	240	360	300	360	41.5	41.7	315



NB: Technical information will vary depending upon rebar.

COSHH safety sheets available on request.

For loads for 30 N/mm² CONCRETE



High performance chemical based anchors made with Vinylester (often referred to as Epoxy Acrylate).

For attaching studs to concrete, brick and stone.

Free from expansion forces.



Industry standard length Studs, complete with a nut and washer and stud end cut at 45° with hexagon drive.



Industry standard length Studs, complete with a nut and washer and stud end cut at 45° with hexagon drive.



Industry standard length Studs, complete with a nut and washer and stud end cut at 45° with hexagon drive.

GLASS SPIN-IN CAPSULES - Vinylester (Epoxy Acrylate)

Code	Size	Hole Diameter	Capsule Length	Capsule Diameter	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0868M54SI	M8	10	80	9	-	80	10	1.18	130.74
0868M56SI	M10	12	80	11	-	90	10	1.46	140.00
0868M58SI	M12	14	95	13	-	110	10	2.50	159.37
0868M62SI	M16	18	95	17	-	125	10	3.80	199.21
0868M64SI	M20	25	175	22	-	170	6	12.17	316.93
0868M66SI	M24	28	210	24	-	210	6	16.17	398.42

STUDS - Zinc & Yellow with internal hexagon tool in each box

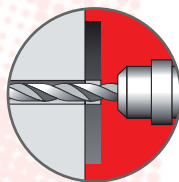
Code	Size	Length	Hole Diameter	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0868S540110	M8	110	10	20	80	10	4.50	58.72
0868S560130	M10	130	12	45	90	10	8.00	69.90
0868S580160	M12	160	14	35	110	10	13.50	99.08
0868S620190	M16	190	18	45	125	10	30.00	148.61
0868S640260	M20	260	25	67	170	10	60.00	356.67
0868S660300	M24	300	28	65	210	10	110.00	607.95
0868S690380	M30	380	35	70	280	5	240.00	1729.29

STUDS - Hot Dipped Galvanised with internal hexagon tool in each box

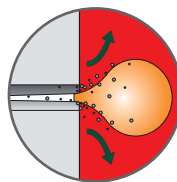
Code	Size	Length	Hole Diameter	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0868S540110G	M8	110	10	20	80	10	4.50	127.78
0868S560130G	M10	130	12	45	90	10	8.00	164.36
0868S580160G	M12	160	14	35	110	10	13.50	193.98
0868S620190G	M16	190	18	45	125	10	30.00	300.00
0868S640260G	M20	260	25	67	170	10	60.00	598.29
0868S660300G	M24	300	28	65	210	10	110.00	1109.44

STUDS - Stainless Steel A2 requires setting tool when used with capsule

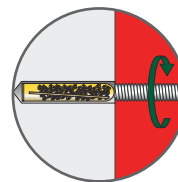
Code	Size	Length	Hole Diameter	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0868S540110SS	M8	110	10	20	80	10	4.50	157.99
0868S560130SS	M10	130	12	45	90	10	8.00	236.05
0868S580160SS	M12	160	14	35	110	10	13.50	343.32
0868S620190SS	M16	190	18	45	125	10	30.00	628.87
0868S640260SS	M20	260	25	67	170	10	60.00	1197.22
0868S660300SS	M24	300	28	65	210	10	110.00	1766.51



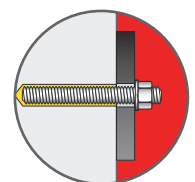
Drill your hole to the correct diameter...



...clear any debris...



...insert capsule and spin in the stud...



...allow the recommended cure time.

GLASS HAMMER IN CAPSULES - Vinylester (Epoxy Acrylate)

Code	Size	Hole Diameter	Capsule Length	Capsule Diameter	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0868M54HI	M8	10	80	9	-	80	10	1.0	134.56
0868M56HI	M10	12	90	11	-	100	10	1.4	143.20
0868M58HI	M12	14	110	13	-	120	10	2.5	166.62
0868M62HI	M16	18	125	17	-	160	10	4.0	204.20
0868M64HI	M20	25	175	22	-	200	6	10.0	331.19
0868M66HI	M24	28	210	24	-	240	6	14.2	420.74

For use with Rebar or Threaded Rod in concrete.



INTERNAL THREADED SOCKETS - Zinc

Code	Internal Thread Size	Length	Internal Thread Length	Outside Diameter	Hole Diameter	Min Hole Depth	Capsule Code	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0868I54	M8	90	20	M12	14	90	0868M58SI	25	4.0	154.16
0868I56	M10	90	25	M16	18	90	0868M62SI	25	7.0	192.34
0868I58	M12	90	30	M20	25	90	0868M64SI	25	16.0	268.80
0868I62	M16	125	40	M20	28	125	0868M66SI	10	29.0	548.33

Permanent threaded sockets for use with glass capsules or injection resins. It has an internal threaded socket for use with bolts or threaded rod of any length. Use tool when using with capsules.



INTERNAL THREADED SOCKETS - Stainless Steel A2 (A4 Available on request)

Code	Internal Thread Size	Length	Internal Thread Length	Overall Diameter	Hole Diameter	Min Hole Depth	Capsule Code	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0868I54SS	M8	90	20	M12	14	90	0868M58SI	25	4.0	
0868I56SS	M10	90	25	M16	18	90	0868M62SI	25	7.0	
0868I58SS	M12	90	30	M20	25	90	0868M64SI	25	16.0	
0868I62SS	M16	125	40	M24	28	125	0868M66SI	10	29.0	

Permanent threaded sockets for use with glass capsules or injection resins.

It has an internal threaded socket for use with bolts or threaded rod of any length.

Use tool when using with capsules.



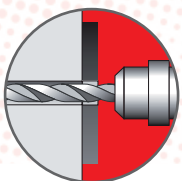
Technical Information

CURING TIMES FOR DRY HOLE INSTALLATION:

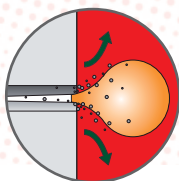
Concrete Temperature °C	HAMMER-IN CAPSULES Curing Time (mins)	SPIN-IN CAPSULES Curing Time (mins)
over 20	60	10
10 - 20	120	20
0 - 10	300	60
-5 - 0	600	300

CURING TIMES FOR DAMP HOLE INSTALLATION:

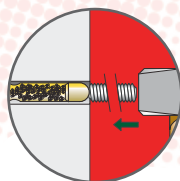
Concrete Temperature °C	HAMMER-IN CAPSULES Curing Time (mins)	SPIN-IN CAPSULES Curing Time (mins)
over 20	60	20
10 - 20	240	40
0 - 10	600	120



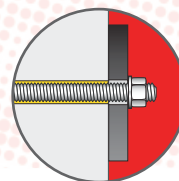
Drill your hole to the correct diameter...



...clear any debris...



...hammer in the stud to the bottom...



...allow the recommended cure time.



Long shafted nylon plug for through fixing a wide range of products with a specially matched zinc & yellow screw.

Suitable for concrete, full brick and perforated bricks.

Pozi Drive
M8 = No3
M10 = No4

NYLON FRAME FIXINGS

Code	Size	Anchor Hole Size	Anchor Plug Length	Fastens Up To	Min Hole Depth	Rec Tensile kN	Rec Shear kN	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0835M540060	8 x 60	8	60	20	70	0.5	0.5	50	1200	1.29	18.92
0835M540080	8 x 80	8	80	40	90	0.5	0.5	50	1200	1.61	23.96
0835M540100	8 x 100	8	100	50	110	0.5	0.5	50	1100	1.96	25.96
0835M540120	8 x 120	8	120	70	130	0.5	0.5	25	600	2.36	36.25
0835M540135	8 x 140	8	140	90	150	0.5	0.5	25	600	2.70	39.35
0835M560080	10 x 80	10	80	30	90	0.6	0.6	25	600	2.40	34.68
0835M560100	10 x 100	10	100	50	110	0.6	0.6	25	600	3.02	39.35
0835M560115	10 x 120	10	120	70	130	0.6	0.6	20	480	3.88	47.28
0835M560135	10 x 135	10	140	90	150	0.6	0.6	20	480	4.98	55.36
0835M560160	10 x 160	10	160	110	170	0.6	0.6	20	480	5.38	72.11



Recommended where a rapid fix and a large number of fixings are required.

This plug can be used for quick installation in internal and external construction work.

Suitable for concrete natural stone and solid brick masonry.

Zinc or stainless steel screws available.

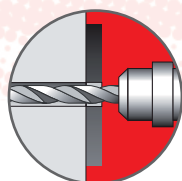
HAMMER FIXINGS

Code	Size	Anchor Hole Size	Anchor Plug Length	Fastens Up To	Min Hole Depth	Rec Tensile kN	Rec Shear kN	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0837M470030	5 x 30	5	30	5	40	0.16	0.18	100	3500	0.25	7.16
0837M470045	5 x 40	5	40	15	55	0.18	0.20	100	3500	0.40	7.48
0837M490040	6 x 40	6	40	10	50	0.20	0.20	100	3500	0.38	7.25
0837M490055	6 x 60	6	60	25	65	0.22	0.22	100	2400	0.54	8.75
0837M490070	6 x 70	6	70	40	80	0.22	0.22	100	2400	0.70	11.17
0837M540060	8 x 60	8	60	12	67	0.32	0.30	50	1750	0.94	13.95
0837M540075	8 x 80	8	80	30	85	0.32	0.30	50	1750	1.26	15.23
0837M540100	8 x 100	8	100	60	110	0.32	0.30	50	1200	1.60	23.26
0837M540120	8 x 120	8	120	80	130	0.32	0.30	50	1200	1.92	25.12
0837M540135	8 x 135	8	135	95	145	0.32	0.30	50	1200	2.16	27.64

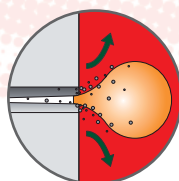
HAMMER FIXINGS - Stainless Steel Screw A2-304

Code	Size	Anchor Hole Size	Anchor Plug Length	Fastens Up To	Min Hole Depth	Rec Tensile kN	Rec Shear kN	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0837M490040SS	6 x 40	6	40	10	50	1.00	1.00	100	0.47	25.93
0837M540100SS	8 x 100	8	100	60	110	1.10	1.50	100	1.56	66.55

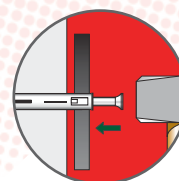
Loads are for 25 N/mm² CONCRETE.



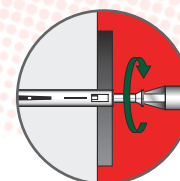
Drill your hole to the correct diameter...



...clear any debris...



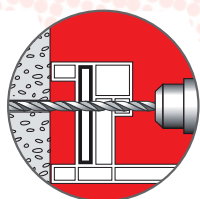
...insert fixing into hole...



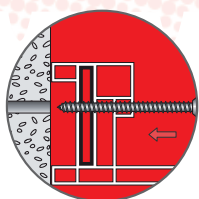
...tighten to complete fixing process.

CONCRETE SCREWS - T30 drive bit and cover cap in every box

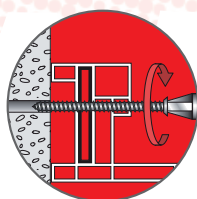
Code	Size	Drill Size	Screw Length	Fastens Up To	Min Hole Depth	Rec Tensile Load Kn	Rec Shear Load Kn	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0869T7560	7.5 x 60	6	60	20	45	2.0	2.5	100	1.45	16.96
0869T7580	7.5 x 80	6	80	40	45	2.0	2.5	100	1.72	22.19
0869T75100	7.5 x 100	6	100	60	45	2.0	2.5	100	2.53	24.82
0869T75120	7.5 x 120	6	120	80	45	2.0	2.5	100	2.93	33.99
0869T75150	7.5 x 150	6	150	110	45	2.0	2.5	100	3.16	41.29



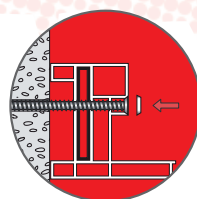
Drill the correct diameter.



Position the self tapping concrete screw.



Insert screw though and...



... fit cover cap if required.

Countersunk self tapping screw, zinc & yellow plated for use in concrete block and masonry, ideal alternative in fixing frames.

- Neat Firm Fixing
- Door and Window Frames
- uPVC and Aluminium
- Dense Concrete
- Solid Brick
- Perforated Bricks
- Aircrete
- Natural Stone



NYLON WINDOW FRAME ANCHOR - with white cover caps

Code	Size	Anchor Hole Size	Anchor Plug Length	Fastens Up To	Min Hole Depth	Rec Tensile Load kN	Rec Shear Load Kn	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0836M540100	8 x 100	8	100	50	60	0.8	1.0	50	500	1.63	21.44
0836M540120	8 x 120	8	120	70	60	0.8	1.0	50	500	2.09	25.84
0836M540140	8 x 140	8	140	90	60	0.8	1.0	50	500	2.34	32.19
0836M560075	10 x 75	10	75	15	70	1.3	1.5	50	500	1.74	25.08
0836M560100	10 x 100	10	100	40	70	1.3	1.5	50	500	2.39	27.14
0836M560120	10 x 120	10	120	60	70	1.3	1.5	50	500	2.93	33.93

For mounting uPVC window frames to brickwork and masonry.



METAL WINDOW FRAME ANCHOR - with white cover caps

Code	Size	Anchor Hole Size	Anchor Plug Length	Fastens Up To	Min Hole Depth	Rec Tensile Load kN	Rec Shear Load Kn	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ Per 100
0838T560075	10 x 72	10	70	40	50	-	-	100	500	3.3	42.17
0838T560092	10 x 92	10	90	60	50	-	-	100	500	3.9	46.68
0838T560112	10 x 112	10	110	80	50	-	-	100	500	4.6	50.82
0838T560132	10 x 132	10	130	100	50	-	-	100	500	5.3	55.37
0838T560152	10 x 152	10	150	140	50	-	-	100	500	5.9	64.37

Fixes door and window frames to most building materials.

All steel for strength and durability.





HOLLOW WALL ANCHORS - with screws

Code	Size	Screw Diameter	Anchor Length	Wall Thickness	Fastens Up To	Hole Diameter	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0840T450020	M4 X 20	4	20	0-5	8	8	100	0.51	19.93
0840T450032	M4 X 32	4	32	3-12	16	8	100	0.51	21.72
0840T450040	M4 X 38	4	38	10-16	17	8	100	0.85	21.30
0840T450050	M4 X 46	4	46	16-24	30	8	100	1.21	24.41
0840T470040	M5 X 37	5	37	6-13	17	10	100	1.30	28.40
0840T470065	M5 X 65	5	65	14-32	26	10	100	1.55	30.03
0840T490052	M6 X 52	6	52	3-16	30	13	50	1.95	30.69
0840T490065	M6 X 65	6	65	14-32	26	13	50	2.05	32.68

For use in plasterboard and cavity walls, in different sizes to suit varying wall depths.



HOLLOW WALL ANCHOR SETTING TOOL

Code	Description	Qty Per Box	Weight Kg Per Item	Price £ Per Item
0840TSET	Hollow Wall Anchor Setting Tool	1	0.45	22.51

Use unique setting tool for fast repetitive fixings.



SPRING TOGGLES - Complete with screws

Code	Thread Diameter	Screw Size	Wall Thickness	Cavity Depth	Hole Size	Rec Tensile Load kN	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0862M390050	3	50	30	20	11	0.10	100	0.52	22.64
0862M470050	5	50	20	30	14	0.18	100	1.27	27.03
0862M470075	5	75	45	30	14	0.18	50	1.62	27.03
0862M470100	5	100	70	30	14	0.18	50	1.88	33.21
0862M490075	6	75	45	30	18	0.30	50	2.55	37.29

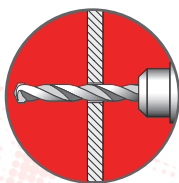
Light duty fixing, ideal for ceiling installations and gives high loadings because of its wide wing coverage.



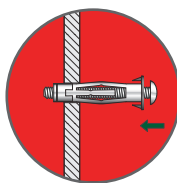
SPRING TOGGLE - Wings only

Code	Thread Diameter	Screw Size	Wall Thickness	Cavity Depth	Hole Size	Rec Tensile Load kN	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0862M39	3	-	-	20	11	0.10	100	0.34	14.65
0862M47	5	-	-	30	14	0.18	100	0.63	17.30
0862M49	6	-	-	30	18	0.30	50	0.97	23.97

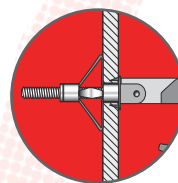
Light duty fixing, ideal for ceiling installations and gives high loadings because of its wide wing coverage.



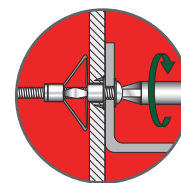
Drill your hole to the correct diameter...



...tap fixing ensuring anti-rotation...



...attach setting tool to screw...



...remove screw and position fixture.

PLASTERBOARD FIXINGS - Metal or Nylon

Code	Screw Size	Max Fixture Thickness	Fixing Length	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0866METAL	4.5 x 30	10	38	100	0.91	17.36
0866NYLON	4.5 x 30	10	31	100	0.45	12.12



Metal - extremely efficient and popular for plasterboard.

Nylon - cost effective fixing used for light fixtures into plasterboard.

PLASTERBOARD FIXINGS Open end for variable screw lengths - Metal

Code	Screw Size	Max Fixture Thickness	Fixing Length	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0968T707	4.5 x 37	12	31	100	1.40	26.58
0961T718	4.5 x 45	12	38	100	1.90	66.70



Heavy duty and easy fix with higher load capacity.

NYLON TOGGLE ANCHORS

Code	Woodscrew Size	Screw Gauge	Wall Thickness	Minimum Cavity Depth	Hole Size	Rec Tensile Load Kn	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0863T1012	3.5-4.0	6-8	10-12	30	8	0.12	100	0.23	8.95
0863T1216	3.5-4.0	6-8	12-16	35	8	0.12	100	0.25	9.91
0863T1619	3.5-4.0	6-8	16-19	40	8	0.12	100	0.25	14.22



Medium duty plasterboard fixing used for ceiling fixtures, light shelving or kitchen & bathroom fittings.

RUBBER NUTS - with Brass inserts

Code	Thread Diameter	Hole Diameter	Wall Thickness	Overall Length	Flange Thickness	Flange Diameter	Rec Tightening Torque	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0864M450011	4	8	0.0-2.0	11	1.4	11	1.0	50	0.19	38.02
0864M450025	4	8	6.0-14.0	25	1.4	11	1.0	50	0.30	34.60
0864M470015	5	10	0.0-2.0	15	1.0	13	1.8	50	0.24	40.09
0864M470025	5	10	6.0-14.0	25	1.3	14	1.8	50	0.36	41.47
0864M470040	5	10	19.0-26.0	40	1.3	14	1.8	50	0.40	46.32
0864M490015	6	13	0.0-2.0	15	1.3	16	4.0	50	0.42	51.16
0864M490025	6	13	3.0-13.0	25	2.0	18	4.0	50	0.58	59.44
0864M540025	8	18	6.0-15.0	25	5.7	22	8.0	50	1.12	94.01
0864M540050	8	18	25.0-35.0	50	1.6	20	8.0	50	1.88	113.37
0864M560055	10	20	25.0-35.0	55	1.3	22.5	10.0	50	2.28	135.49
0864M580075	12	24	33.0-45.0	75	1.3	27	15.0	50	4.00	215.67

(loads vary depending on the condition of the base material)



Vibration resistant fixing that can be used in virtually any construction material as the sleeve compresses in irregular holes.

Used in damp and sanitary applications.



PLASTIC WALL PLUGS

Code	Colour	Hole Size	Plug Length	Woodscrew Gauge	Woodscrew Size	Min Hole Depth	Qty Per Box	Qty Per Outer	Weight Kg Per 100	Price £ per 1000
0948TBROWN	Brown	7	37	No. 10-14	5.0-6.0	46	100	1000	1.08	17.62
0948TRED	Red	6	30	No. 6-10	3.5-5.0	37	100	1000	0.70	13.89
0948TYELLOW	Yellow	5	25	No. 4-6	3.0-3.5	30	100	1000	0.37	13.19
0948TBLUE	Blue	10	50	No. 14-18	6.0-8.0	55	100	1000	1.30	52.09

All purpose cost effective fixings for light to medium applications.

Manufactured to British standard lengths for the professional tradesman.
Soft and pliable for cold site use (made with premium HDPE).



NYLON WALL PLUGS - Suitable for solid base

Code	Size	Anchor Hole Size	Plug Length	Screw Gauge	Screw Size	Min Hole Depth	Rec Tensile Load kN	Qty Per Box	Weight Kg Per 100	Price £ per 100
0947E525	5 x 25	5	25	4-6G	2.5-3.5	35	0.20	200	0.04	1.47
0947E630	6 x 30	6	30	6-10G	3.5-5.0	40	0.30	100	0.08	1.88
0947E730	7 x 30	7	30	8-12G	4.5-5.0	40	0.35	100	0.12	2.74
0947E840	8 x 40	8	40	10-14G	5.0-6.0	55	0.45	100	0.15	2.77
0947E1050	10 x 50	10	50	14-18G	6.0-8.0	65	0.90	50	0.29	7.08
0947E1260	12 x 60	12	60	18-24G	8.0-10.0	75	1.10	25	0.52	8.21
0947E1475	14 x 75	14	75	24-32G	10.0-12.0	90	1.90	20	0.74	15.01

Rimless plugs, ideal for fixing wall lights, shelving and cupboards.
Often used with coach screws as satellite fixings.



UNIVERSAL NYLON WALL PLUGS - Suitable for hollow or solid base

Code	Size	Anchor hole size	Plug length	Screw Gauge	Screw Size	Min Hole Depth	Rec Tensile Load kN	Qty Per Box	Weight Kg Per 100	Price £ per 100
0947TPF637	6 x 37	6	37	6-8G	3.5-4.0	50	0.14	100	0.04	4.00
0947TPF850	8 x 50	8	50	10-12G	4.5-5.5	60	0.20	50	0.12	6.04
0947TPF1060	10 x 60	10	60	12-14G	6.0-8.0	70	0.30	25	0.15	8.10

Universal plugs used in lightweight, aerated and hollow blockwork giving quicker and greater expansion than standard wall plugs.



NAIL IN ANCHORS - Zinc Alloy

Code	Size	Anchor Hole Size	Anchor Length	Fastens Up To	Head Diameter	Rec Tensile Load kN	Rec Shear Load kN	Qty Per Box	Weight Kg Per 100	Price £ per 100
0842T490030	6 x 30	6	30	10	13	1.1	1.40	100	1.05	14.06
0842T490040	6 x 40	6	40	20	13	1.1	1.40	100	1.18	16.56
0842T490050	6 x 50	6	50	30	13	1.1	1.40	100	1.50	18.86

Pre-assembled for quick and repetitive hammer action installation offering simple through fixing.

CABLE TIES - Polyamide 6.6

Code Black	Code Neutral	Type	Size	Minimum Bundle Diameter (mm)	Maximum Bundle Diameter (mm)	Qty Per Pack	Qty Per Outer	Price £ Per 100
0946B2598	0946N2598	Small	2.5 x 100mm	1	21	100	40000	0.43
0946B26160	0946N26160	Small	2.6 x 160mm	1	32	100	35000	0.97
0946B26200	0946N26200	Small	2.6 x 200mm	1	52	100	35000	1.21
0946B36140	0946N36140	Intermediate	3.6 x 140mm	2	35	100	25000	1.11
0946B36200	0946N36200	Intermediate	3.6 x 203mm	2	50	100	20000	1.84
0946B36290	0946N36290	Intermediate	3.6 x 290mm	2	80	100	15000	2.13
0946B36370	0946N36370	Intermediate	3.6 x 370mm	2	103	100	10000	4.06
0946B45160	0946N45160	Standard	4.5 x 160mm	2.5	40	100	15000	1.89
0946B48200	0946N48200	Standard	4.8 x 200mm	3	50	100	13000	2.03
0946B48250	0946N48250	Standard	4.8 x 250mm	3	68	100	10000	2.86
0946B48290	0946N48290	Standard	4.8 x 300mm	3.5	79	100	10000	3.28
0946B48360	0946N48360	Standard	4.8 x 368mm	3.5	103	100	7500	4.16
0946B48390	0946N48390	Standard	4.8 x 390mm	3.5	106	100	7000	4.74
0946B48430	0946N48430	Standard	4.8 x 430mm	3.5	115	100	6000	5.61
0946B78300	0946N78300	Heavy Duty	7.6 x 300mm	4	80	100	4000	6.58
0946B78365	0946N78365	Heavy Duty	7.6 x 365mm	8	100	100	3500	8.22
0946B78450	0946N78450	Heavy Duty	7.6 x 380mm	35	130	100	3000	11.26
0946B78540	0946N78540	Heavy Duty	7.8 x 540mm	35	158	100	2000	12.77
0946B78750	0946N78750	Heavy Duty	7.8 x 750mm	35	200	100	2000	18.42
0946B90780	0946N90780	Heavy Duty	9.0 x 762mm	32	233	100	1300	27.08



Quick & easy method of securing cables etc.

Fast pull through, strong holding and consistent moulded design, Polyamide 6.6.

EXPANDING FOAM - Fire Protection

Code	Size	Description	Qty Per Box	Price £ Per Item
3011TFIREB1	750ml	Firefoam B1 Firefoam	12	23.87
3011TB2FIREGUN	750ml	Firefoam B2 Gungrade	12	14.91
3011TB2FIREHAND	750ml	Firefoam B2 Handheld	12	14.66

Firefoam B1 Handheld is a quick setting fire rated, one part polyurethane foam.

Firefoam B2 Gungrade is a quick setting fire rated, one part polyurethane foam designed in a ready to use hand held canister.

Firefoam B2 Handheld is a quick setting fire rated, one part polyurethane foam designed for application by any standard foam applicator gun.



EXPANDING FOAM - Fix & Fill

Code	Size	Description	Qty Per Box	Price £ Per Item
3011TEVGGF7	750ml	Gun Grade Expanding Foam	12	13.80
3011TEVFF5	500ml	Fix & Fill Expanding Foam	12	7.78
3011TEVFF7	750ml	Fix & Fill Expanding Foam	12	13.55

Gun Grade and Fix & Fill Expanding Foam are quick setting polyurethane based foam which expands greatly on application.

EXPANDING FOAM - Applicators

3011TGFAPP45	Foam Applicator Medium Duty	47.41
3011TGFAPP65	Foam Applicator Heavy Duty	101.56



DRILLS

MASON[®]
MATE



SDS PLUS DRILL BITS

Code	Diameter	Overall Length (mm)	Working Length (mm)	Price £ Per Item
AT30101	5	110	50	1.44
AT30102	5	160	100	1.50
AT30102A	5	210	150	2.12
AT30103	5.5	110	50	1.42
AT30104	5.5	160	100	1.57
AT30104A	5.5	210	150	2.10
AT30104B	5.5	260	210	2.53
AT30105	6	110	50	1.42
AT30106	6	160	100	1.57
AT30106S	6	210	150	2.12
AT30106A	6	260	200	2.53
AT30107	6.5	160	100	1.64
AT30107S	6.5	210	150	2.18
AT30107A	6.5	110	50	1.50
AT30107B	6.5	260	210	2.67
AT30108	7	110	50	1.51
AT30109	7	160	100	1.69
AT30109A	7	210	150	2.26
AT30110	8	160	100	1.64
AT30110A	8	110	50	1.50
AT30111	8	210	150	2.26
AT30111S	8	460	410	5.27
AT30111A	8	260	210	2.73
AT30112	10	160	100	1.78
AT30112A	10	110	50	1.63
AT30113	10	210	150	2.46
AT30114	20	260	200	3.02
AT30114S	10	310	250	3.42
AT30114SA	10	450	400	5.24
AT30115	12	160	100	2.05
AT30116	12	210	150	2.80
AT30117	12	260	200	3.42
AT30117S	12	310	250	3.97
AT301176	12	450	400	5.68
AT30118	14	210	150	3.48
AT30118A	14	160	100	4.18
AT30119	14	310	250	4.84
AT30119A	14	450	400	6.77
AT30120	16	210	150	4.10
AT30120A	16	260	200	4.65
AT30121	16	310	260	5.26
AT30121S	16	450	400	7.69
AT30122	18	210	160	4.79
AT30122S	20	210	160	6.43
AT30122A	18	260	210	6.27
AT30122B	18	450	400	8.76
AT30122C	18	310	250	6.58
AT30123	20	310	260	8.27
AT30123A	20	450	400	11.04
AT30123B	20	260	210	8.28
AT30124	25	250	200	25.64
AT30124A	25	450	400	16.80

MASONRY DRILL BITS

Code	Diameter	Overall Length (mm)	Working Length (mm)	Price £ Per Item
AT30201	5	150	90	8.73
AT30201A	5	85	50	5.90
AT30202	5.5	150	90	9.46
AT30202A	5.5	85	50	6.06
AT30203	6	150	90	9.28
AT30203A	6	100	60	6.12
AT30203B	6	200		15.53
AT30204	6.5	150	90	10.14
AT30204A	6.5	100	60	7.05
AT30204B	6.5	400		3.04
AT30205	7	150	90	10.58
AT30205A	7	100	60	7.67
AT30206	8	150	90	10.94
AT30206A	8	120	80	9.00
AT30206B	8	200	140	1.89
AT30207	8	400		3.23
AT30208	10	200	140	2.26
AT30208A	10	120	80	1.10
AT30208B	10	150	90	1.38
AT30209	10	400	300	3.68
AT30210	12	200	140	2.70
AT30210A	12	150	90	1.50
AT30211	12	400	300	3.63
AT30212	14	150	90	2.84
AT30213	14	400	300	5.23
AT30214	16	150	90	3.49
AT30215	16	400	300	6.10
AT30216	18	160		4.57
AT30216A	18	400		7.73
AT30217	20	160	100	5.02
AT30218	20	400	300	8.53
AT30219	22	400	400	9.20

HSS DRILL BITS

Code	Diameter	Pack Size	Overall Length (mm)	Price £ Per Item
AT30301	1	10	34	3.20
AT30302	1.5	10	40	3.20
AT30303	2	10	49	3.17
AT30304	2.5	10	57	2.67
AT30305	3	10	61	2.67
AT30305A	3.3	10	65	2.93
AT30306	3.5	10	70	2.77
AT30307	4	10	75	3.20
AT30307A	4.2	10	75	4.00
AT30308	4.5	10	80	3.73
AT30309	5	10	86	4.08
AT30310	5.5	10	93	5.21
AT30311	6	10	93	5.54
AT30312	6.5	10	101	6.13
AT30313	7	10	109	8.00
AT30314	7.5	10	109	8.27
AT30315	8	10	117	9.07
AT30316	8.5	10	117	9.60
AT30317	9	10	125	12.06
AT30317A	9.5	10	125	13.96
AT30318	10	10	133	14.40
AT30318A	10.5	5	133	7.85
AT30318B	11	5	142	8.93
AT30318C	1.5	5	142	10.20
AT30319	12	5	151	10.52
AT30319A	12.5	5	151	11.23
AT30320	13	5	151	11.43



BOX & LABEL INFORMATION



- Strong & durable box construction.
- Easy to open – secure to close.



ALSO AVAILABLE IN TRADE BAGS

- Product information detailed on reverse.
- Barcoded for quick sale.
- Product coded.
- Clear and durable packaging.



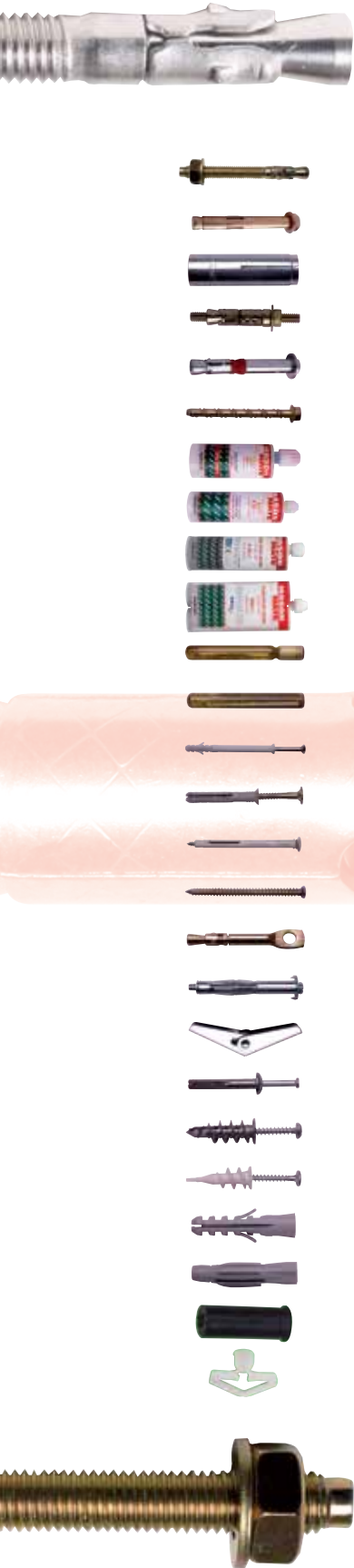
Range Includes:

Frame Fixings
 Hammer in Fixings
 Hex Nut Sleeve Anchor
 Eye/Hook Bolt Shield Anchor
 Loose Bolt Shield Anchor
 Projecting Shield Anchor
 Through Bolts
 Hex Head Screw Bolt
 Hex Head Coach Screw
 Spring Toggle & Screw
 Hollow Wall Anchor
 Metal/Nylon Plaster Board Fixing

Wall Plugs
 Timber Connectors
 Drive Screws
 Cup Square Hex
 H.T. Set Screw
 Roofing Bolt & Nut
 Gutter Bolt & Nut
 Hexagon Full Nut
 Nylon Insert Nut
 Wing Nut
 Washers

SELECTION CHART

MASON[®] MATE



PRODUCTS	MATERIALS	Concrete	Concrete Blocks	Hollow Blocks	Solid Brick	Perforated Brick	Aerated Concrete	Stone	Plasterboard	Steel
THROUGH BOLTS		●								
SLEEVE ANCHORS		●	●		●	○		●		
DROP IN ANCHORS		●			○			○		
SHIELD ANCHORS		●	●		●			●		
HEAVY DUTY ANCHORS		●								
SCREWBOLTS		●	●	●	●	●		●		
EPOXY ACRYLATE RESINS		●	●	●	○	○	○	○		
POLYESTER RESINS		●	●	●	●	●	●	●		
HIGH-LOAD PURE VINYLESTER RESIN		●	●	●	○	○	○	○		
PURE EPOXY RESIN		●	●	●	○	○		○		
HAMMER IN CAPSULES		●								
SPIN IN CAPSULES		●								
FRAME FIXINGS		●	●		●	○	○	●		
HAMMER FIXINGS		●	●		●	○		●		
WINDOW FRAME ANCHORS		●	●		●			○		
CONCRETE SCREWS		●	●	●	●	●		●		
WIRE HANGERS		●								
HOLLOW WALL ANCHORS				●					●	
SPRING TOGGLES				●					●	
NAIL IN ANCHORS		●	●		●					
METAL PLASTERBOARD FIXINGS									●	
NYLON PLASTERBOARD FIXINGS									●	
NYLON PLUGS		●	●	●	●	●	●	●		
UNIVERSAL PLUGS		●	●	●	●	●	●	●		
RUBBER NUTS		○	○	●	○	●			○	●
NYLON TOGGLES									●	

KEY Suitable ● More Suitable Fixings Available ○

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