



**Non-Cut
System**

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



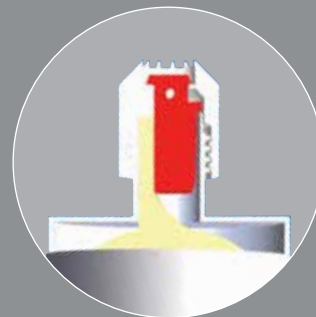
Step 1
Unscrew cap



Step 2
Screw on mixer



Step 3
Extrude using Standard Tools



**Opening and Seal System
safer, quicker, easier**



410ml - Single Piston

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

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.

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!



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.

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
3010TSGNEWPOWER	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

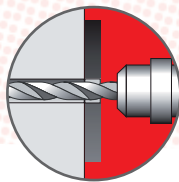
Sleeves sold individually and can be cut to the required length.

NYLON SLEEVES WITH STUD ALIGNMENT COLLAR

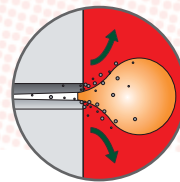
Code	For Stud Size	Sleeve Size	Hole Size	Length	Qty Per Bag	Weight Kg Per Item	Price £ Per 100
0868S61	M8 - M12	15 x 85	16	85mm	25	0.003	29.44
0868S64	M16	20 x 85	22	85mm	25	0.003	40.00

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

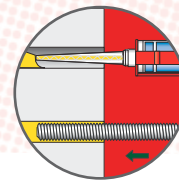
With caps for overhead applications.



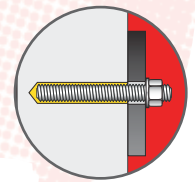
Drill your hole to the correct diameter...



...clear any debris...



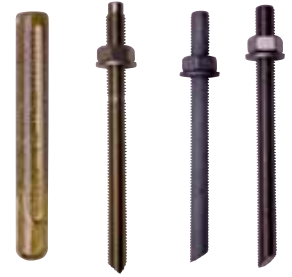
...pump in the resin and twist stud...



...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



COSHH safety sheets available on request.

For loads for 30 N/mm² CONCRETE

NB: Technical information will vary depending upon rebar.



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.

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



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



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



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

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

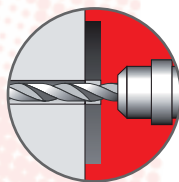
Code	Size	Length	Hole Diameter	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0868S540110G	M8	110	10	20	80	10	4.50	127.78
0868S560130G	M10	130	12	45	90	10	8.00	164.36
0868S580160G	M12	160	14	35	110	10	13.50	193.98
0868S620190G	M16	190	18	45	125	10	30.00	300.00
0868S640260G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



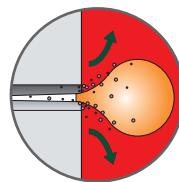
Industry standard length Studs, complete with a nut and washer and stud end cut at 45° with hexagon drive.

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

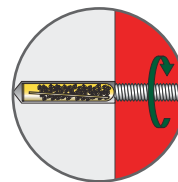
Code	Size	Length	Hole Diameter	Fastens Up To	Min Hole Depth	Qty Per Box	Weight Kg Per 100	Price £ Per 100
0868S540110SS	M8	110	10	20	80	10	4.50	157.99
0868S560130SS	M10	130	12	45	90	10	8.00	236.05
0868S580160SS	M12	160	14	35	110	10	13.50	343.32
0868S620190SS	M16	190	18	45	125	10	30.00	628.87
0868S640260SS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



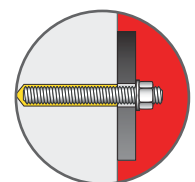
Drill your hole to the correct diameter...



...clear any debris...



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



...allow the recommended cure time.