



A 4 segment metal expansion plug for use with wood screws. Suitable for use in concrete, masonry and aerated concrete blocks

Part Number		MP05030	MP06032	MP08038	MP08060
Size	[mm]	5x30	6x32	8x38	8x60
Drill Diam	[mm]	5.0	6.0	8.0	8.0
Plug Length	[mm]	30	32	38	60
Hole Depth	[mm]	40	40	50	70
Minimum Thickness of base material	[mm]	60	60	70	120
Minimum Spacing	[mm]	90	110	120	180
Minimum Edge Distance	[mm]	45	55	60	90
Fixture Clearance Hole	[mm]	5.0	6.0	8.0	8.0
Screw Diameter	[mm]	4.5	4.5 – 5.0	5.0 – 6.0	5.0 – 6.0
Screw Length	[mm]	$t_{fix} + 35$	$t_{fix} + 37$	$t_{fix} + 43$	$t_{fix} + 65$

t_{fix} = Fixture thickness

Part Number	Characteristic Resistance			Design Resistance			Recommended Resistance		
	Concrete	Solid Brick	Aerated Blocks	Concrete	Solid Brick	Aerated Blocks	Concrete	Solid Brick	Aerated Blocks
	kN	kN	kN	kN	kN	kN	kN	kN	kN
MP05030	0.61	0.50	0.20	0.28	0.23	0.09	0.20	0.16	0.06
MP06032	0.66	0.53	0.22	0.30	0.24	0.10	0.22	0.17	0.07
MP08038	1.23	0.99	0.41	0.56	0.45	0.18	0.40	0.32	0.12
MP08060	1.45	1.17	0.49	0.66	0.53	0.22	0.47	0.37	0.15

Concrete = C20/25, Brick = 20N/mm², Aerated Blocks = 3.5N/mm²

Due the variable nature of bricks and blocks and variation in screw types these figures are for guidance only.