

SA5/6 - METAL WALL PLUGS

Description:

For use where traditional Red or Brown Nylon wall plugs would not comply with current Fire Safety Regulations, in areas where fire considerations prohibit the use of plastic anchors.

Material:

Steel



SA

OTHER ADDITIONAL INFORMATION

- Screw can be removed and reinserted into the Wall Plug.
- Fast fitting and installation with chipboard and wood screws.
- Used in areas where fire considerations prohibit the use of plastic wall plugs.

Code	Size	Drill Hole Size	Hole Depth	Min. Thickness of base material	Min. Spacing	Min. Edge Distance	Fixture Clearance Hole	Screw Diameter	Screw Length
SA5	M5 x 30	6mm*	40	60	90	45	5.0	4.5	$t_{fix} + 35$
SA6	M6 x 32	7mm*	40	60	110	55	6.0	4.5-5.0	$t_{fix} + 37$

*Can be increased for substrates of high compressive strength, to prevent damage to plug on insertion

t_{fix} = Fixture Thickness

Code	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
SA5	0.61	0.50	0.20	0.28	0.23	0.09	0.20	0.16	0.06
SA6	0.66	0.53	0.22	0.30	0.24	0.10	0.22	0.17	0.07

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