

TECHNICAL INFORMATION FOR

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# METAL EXPANSION PLUGS

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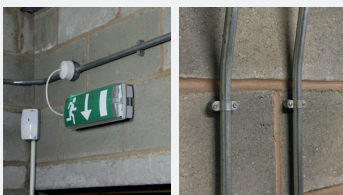
TECHNICAL DATA SHEET



## METAL EXPANSION PLUGS



- An all steel fixing for light weight aggregate blocks.
- Ideal for fixing in areas such as fire escape routes where regulations restrict the use of plastic anchors and plugs.
- Perfect for installing gas pipes, water pipes and cable clips.



## FEATURES



- External teeth expand and grip into the material, giving high load bearing strength.
- Designed specifically for use with wood and chipboard screws. Internal ribs interlock with screw's thread to provide a secure fixing.
- Increased installation safety.
- Broad range of applications.

• The required screw length is given by:  
Anchor length + plaster and/or insulation layer thickness + fixture thickness or installation spacing + 1 x screw diameter.

## PRODUCT RANGE

Product Code	Length (mm)	Screw Ø (mm)	Box Qty	Carton Qty (Box)	Carton Qty
632MEP	32	4.5 - 5.0	100	18	1800
838MEP	38	5.0 - 6.0	50	9	900
860MEP	60	5.0 - 6.0	50	9	900
1060MEP	60	6.0 - 8.0	50	9	900

## TECHNICAL DATA

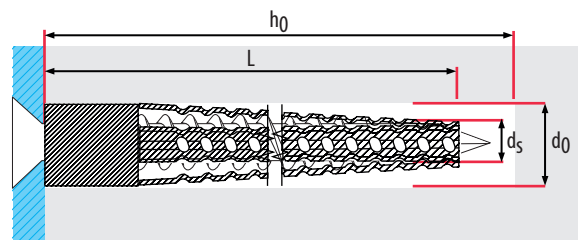


Substrate	Concrete Block 7N/mm <sup>2</sup>		
Size Ø (mm)	6	8	10
Drill Hole Ø (mm)	6	8	10
Min Embedment Depth (mm)	32	38	60
Test Screw Size (mm)	4.5	5	6
Rec. Tensile Load (kN)	0.2	0.4	0.5
Max Rec. Load (kg)	20	40	50

Note: Drill hole size is relative to the compressive strength of the substrate. When fixing into concrete, the above drill holes sizes should be increased to prevent damage to the plug during installation.

## INSTALLATION DATA

Product Code	Plug Length L (mm)	Drill Hole d <sub>0</sub> (mm)	Min. Drill Hole Depth h <sub>0</sub> (mm)	Screw Dia. d <sub>s</sub> (mm)	*all figures stated are approximate and for reference only.
632MEP	32	6	37.0	4.5 - 5.0	Sometimes beneficial to reduce drill size in materials with a low compressive strength.
838MEP	38	8	44.0	5.0 - 6.0	
860MEP	60	8	66.0	5.0 - 6.0	
1060MEP	60	10	68.0	6.0 - 8.0	



L	Plug Length
d <sub>0</sub>	Drill Hole
h <sub>0</sub>	Min. Drill Hole Depth
d <sub>s</sub>	Screw Dia.

## INSTALLATION GUIDELINES

