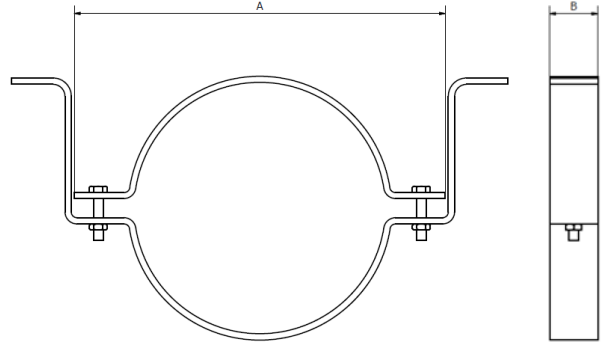


EF048MS – Stand Off Mild Steel Bracket



General Description


Stand Off Mild Steel Hanging Bracket

Technical Specification

Prod code:	See Table
Standard:	BS EN 877: 1999/AC: 2008
Material:	Mild Steel
Coating:	Red Oxide primer paint
Clamping Bolts:	2 x Zinc & Clear Mild Steel Hex Head Bolts (M8) – All Sizes
Clamping Nuts:	2 x Zinc & Clear Mild Steel Hex Head Nuts (M8) – All Sizes
System Fire Rating:	A1
Water Temperature Rating:	95° +/- 2° (Resistance to Hot Water in 24hr cycle constant)

Product code	Dia	A	B	WTKG
192414	200	296	40	2.0
192260	250	371	40	2.5
192261	300	420	40	2.7
192362	400	555	40	3.3
TBA	500	655	40	3.8

CE Marking Certificate



SAINT-GOBAIN PAM UK
Lows Lane
Stanton-by-Dale - Ilkeston
Derbyshire DE7 4QU
08

Unique identification code of the product-type: E001A
Declaration of Performance N°DoP-001UK
AVCP: 3 for reaction to fire (Range)
4 for all other characteristics

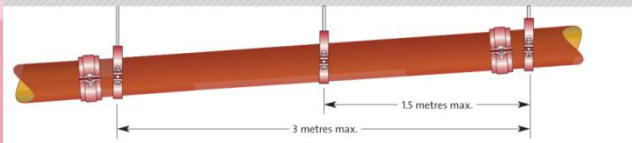
EN 877:1999/AC:2008
Cast iron pipes and fittings, their joints and accessories
for the evacuation of water from buildings

ENSIGN S (Soil) Range
Pipes, fittings and couplings DN 50-600

Reaction to fire	A1
- Cast iron	A1
- Range	Conform
Internal pressure strength	Conform
Dimension tolerances	Conform
Impact resistance	Conform
- Mechanical properties (pipes)	
• Tensile strength	300 MPa (average value)
• Ring crush strength	450 MPa (average value)
• Brinell hardness	220 HB (average value)
Tightness	Conform
- Water tightness *	
Internal pressure	
DN ≤ 200	≥ 5 bar
DN > 200	≥ 3 bar
* excluded flexible couplings, joints connecting to sanitary ware ...)	
Durability	Conform
- External coatings	
• Pipes	Acrylic/Conform
• Fittings	Epoxy/Conform
- Internal coatings	
• Pipes **	Epoxy/Conform
• Fittings **	Epoxy/Conform
** including resistance to salt spray	

Support Recommendations

Recommended Bracket Spacing: 2 per 3m Pipe. As advised in (BS EN 12056-2)



Recommended Threaded Rod sizes

Bracket Diameter	200	250	300	400	500
Threaded Rods (Recommended)	M12x2	M12x2	M12x2	M12x2	M16x2


The EF048MS provides double fixing as standard and can withstand hanging upto 2m from the underside of the floor slab.

Lateral movement brace may be required for horizontal pipework at 20m spacing's or where deemed necessary.

For use in other situations please seek advice from the Telford Technical Department on 01952 262529.



BS EN
9001:2008
Registered
No: FM12908



DAY MONTH YEAR
Date of manufacture = 19th June 2009

PAM ENSIGN®

MADE IN UK

PAM
BS EN 877
KM 51733
1-4
CE : A1

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