MARVON
DOMINIAMO IL FUOCO

GROUP SILMAR



DAISY

Technical information

DAISY is Marvon's fire collar designed and developed to ensure EI 240 fire resistance of penetration seals on wall and floor according to EN 1366-3.

DAISY is made of a red coated steel shell that can be opened to allow the accommodation even on already installed pipes and it has a hanger with a latch mechanism. The back flange with attachment buttonholes ensure a simple setting and a fast installation. The resistance and insulation EI 240 is guaranteed by the presence of two different types of intumescent graphite based reactive material (TECNOFLAME + EVA) and of special closure metal elements (petals).

The ethylene vinyl acetate (EVA) seal expands fast at low temperatures whereas the seal TECNOFLAME expands later so that it ensures high performance in time. While expanding, the intumescent seals act on the closure elements (petals) bringing them towards the position of fire exposure, creating an additional barrier.

Application field

The fire collar DAISY can be used on rigid wall (masonry, concrete or aerated concrete) and on rigid floor (concrete or aerated concrete).

It has an EI 240 fire resistance classified according to EN 13501-2 for:

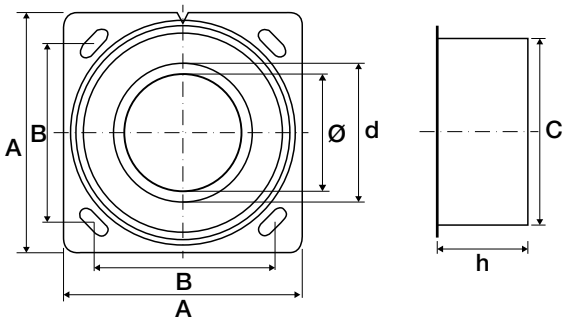
- Combustible pipes (PVC-U, PVC-C, PE, LDPE, MDPE, HDPE, ABS, SAN+PVC, PP)
- Combustible soundproof pipes (e.g. Valsir Triplus®, Valsir Silere®, Valsir PP3, Valsir Blackfire®)

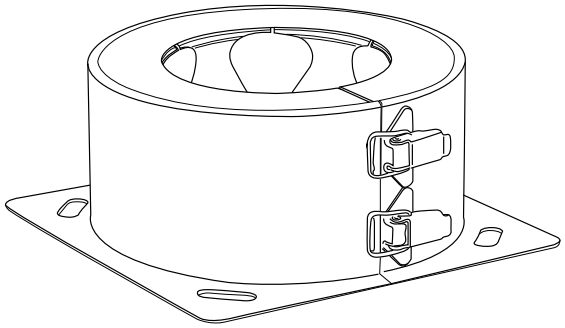
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Technical data

Fire resistance	EI 240
Fire reaction	Performance not assessed
Diameters	Ø 32 - 160
Collar's height	49.5 - 89.5 mm
Shell	Carbon-coated steel (1 mm thickness) with a lever hook and slotted flange
Intumescent material	Two different types of intumescent seal: ■ TECNOFLAME, PVC and graphite based - Expansion ratio 1:5.5 / 9.5 - Density 1,000 - 1,400 kg/m^3 - Minimum expansion temperature 180°C ■ EVA, ethylene vinyl acetate graphite based - Expansion ratio 1:30 - Density 1,000 kg/m^3 - Minimum expansion temperature 140°C
Colour	Red
Storage	Unlimited (in normal conditions)

Dimensions





COD.	Ø pipe	d	h	A	B	C
MA0TF500032	32	42	49.5	101	77	79
MA0TF500040	40	50	49.5	114	87	92
MA0TF500050	50	60	49.5	129	95	107
MA0TF500058	56/58	68	49.5	142	106	120
MA0TF500063	63	75	49.5	154	115	132
MA0TF500075	75	87	49.5	171	126	149
MA0TF500078	78/80	94	49.5	188	133	156
MA0TF500090	90	106	89.5	193	145	171
MA0TF500100	100	116	89.5	212	156	190
MA0TF500110	110	128	89.5	225	167	202
MA0TF500125	125	143	89.5	248	181	226
MA0TF500135	135	155	89.5	260	193	238
MA0TF500160	160	180	89.5	294	217	272

All the dimensions are in mm.

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Packaging

Individual collar in cardboard box.

Standard rules

- Test Standard: EN 1366-3
- Fire Classification Standard: EN 13501-2

Certifications

Classification Reports:

- CSI1862FR - wall
- CSI1915FR - floor
- CSI1917FR - wall

Technical Specification

Supply and installation of fire collar DAISY, composed of a steel box 1 mm thick and of a double kind of intumescent seal (TECNOFLAME + EVA), certified in accordance to EN 1366-3 in configuration U/U, for fire protection EI 240 of combustible pipes on wall and floor.

The fire collar must be installed on both sides on wall and on the underside of the floor with expansion bolts.

For different applications please refer to Classification Reports CSI1862FR - CSI1915FR - CSI1917FR.

Pipe collar recommended by the M.A.I.A. Association.

Diameters range from Ø 32 mm to Ø 160 mm.

Tested by CSI - Italy

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