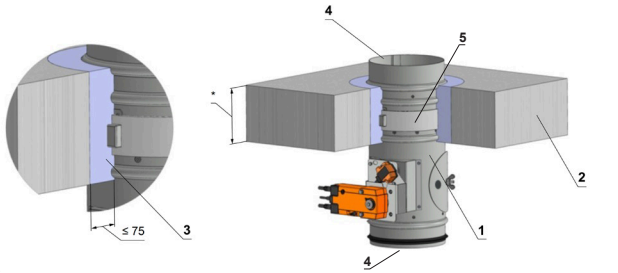
FDMR EI 120 S (Slab - Fire Pro Fire stop)



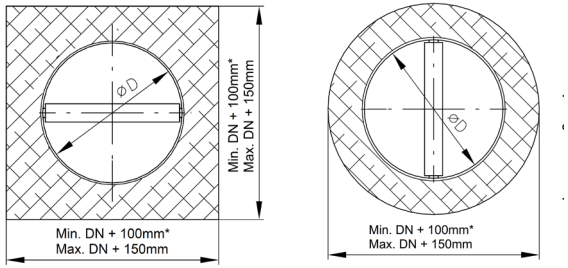
* min. 110 - Concrete/ min. 125 - Aerated concrete

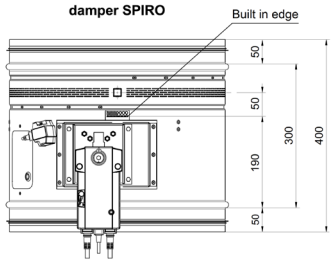
Position:
1. Fire damper
2. Solid ceiling construction
3. Firepro firestop compound
4. DW144 standard duct supported to flanged breakaway joint on both front and rear of damper
5. Damper and duct connection in wall line to be solid fixings

FDMR solid wall minimum thickness is 100mm

FDMR can be installed with blade axis positioned either vertically or horizontally and with the actuator positioned at 0°, 90° or 270°, but not at 180°.

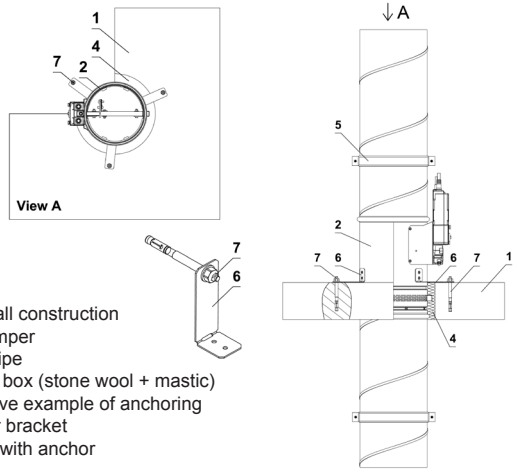
Builders work opening





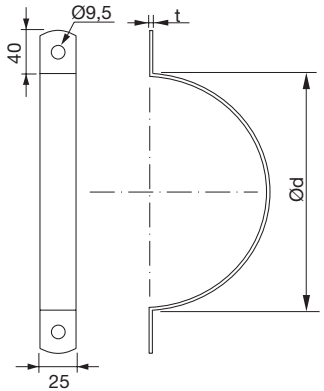
Built in edge signifies depth of damper insertion into wall

Damper supported by integral brackets only, quantity of brackets dependant on damper diameter. Dampers mounted in a solid floor do not need independent supports once gypsum is fully cured - permanent supports are therefore optional.



Position:
1. Solid wall construction
2. Fire damper
3. Spiral pipe
4. Stuffing box (stone wool + mastic)
5. Illustrative example of anchoring
6. Damper bracket
7. Nut M8 with anchor

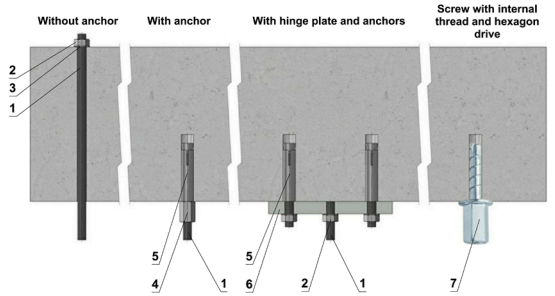
Suspension rings - UVH25



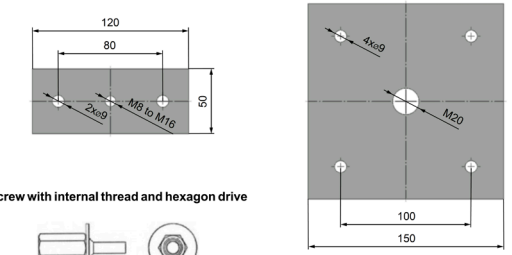
t(mm): 2.0

For suspension of circular ducting. For insulated duct it is recommended that the suspension ring is mounted inside the insulation.

Advice provided by a fixing specialist contractor takes precedence.



Hinge plates



Screw with internal thread and hexagon drive

Load capacities of threaded hanger rods F [N] at the required fire resistance 90 minutes

Size	A_s [mm²]	Weight G [kg]	
		for 1 piece	for 1 pair
M8	36,6	22	44
M10	58	35	70
M12	84,3	52	104
M14	115	70	140
M16	157	96	192
M18	192	117	234
M20	245	150	300

Position:
1. Threaded rod M8 - M20
2. Nut
3. Washer
4. Coupling nut
5. Anchor
6. Hinge plate - min. thickness 10mm
7. Concrete screw tested for fire resistance R30-R90, max. tension up to 0.75KN (length 35mm)

Drop rod diameter is based on damper weight, see full Damper TPM for further technical details or contact help@Mandik.co.uk. Mandik reserves the right to update this information without prior notice.

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Title: FDMR - Slab/Fire Pro	CE certified acc. to EN 15650
	Tested in accordance with EN 1366-2
Classification: EI 120 (ho i<->o) S	Size: (min-max) 100x200 - 710x800
Drawing No: 0000-0000-023 Rev 4	Date: 29/10/2021
	Illustrated: GP / Approved: MF