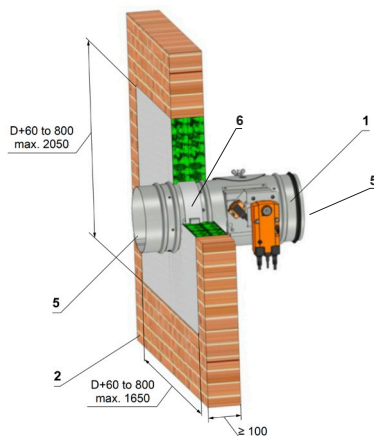
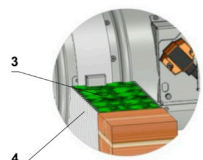


FDMR EI 90 S (Solid wall - Fire Batt Fire stop)

Used materials - example:

- 3 Hilti CFS-CT B 1S
- 4 140/50 Hilti CFS-CT



Position:

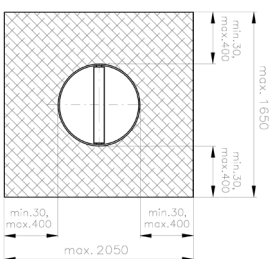
1. Fire damper
2. Solid wall construction
3. Fire resistant board
4. Fire stop coating thickness 1mm
5. DW144 standard duct supported to flanged breakaway joint on both front and rear of damper
6. Damper and duct connection in wall line to be solid fixings

FDMR solid wall minimum thickness is 100mm

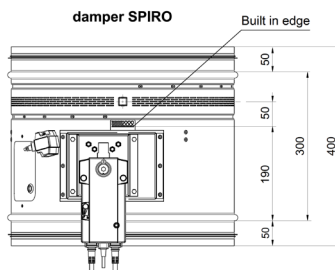
FDMR can be installed with blade axis positioned either vertically or horizontally and with the actuator positioned at 0°, 90° or 270°, but not at 180°.

Fire batt installed as manufactures installation details

Builders work opening

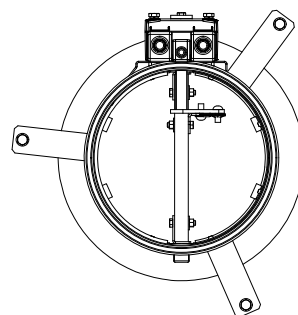
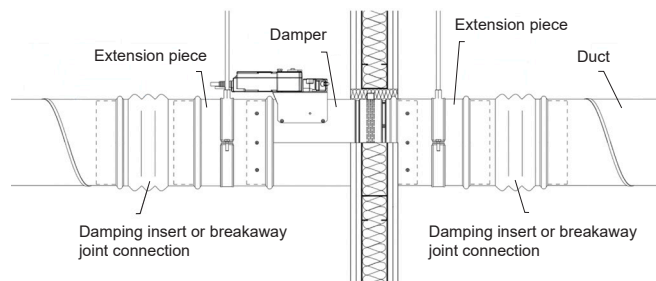


Fire Batt sizes can be rotated

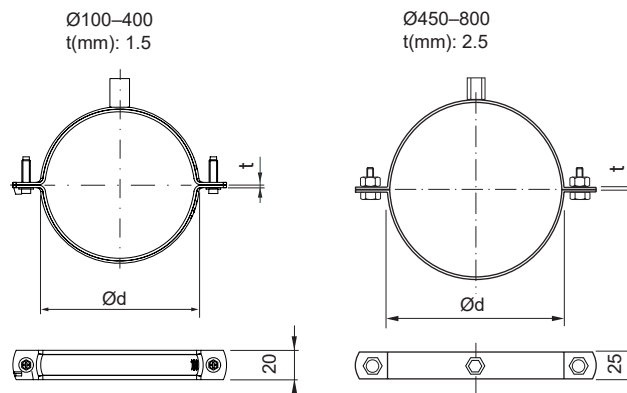


Built in edge signifies depth of damper insertion into wall

Extension piece required to mount support ring only over section where damper slips into duct, with solid fixings, ring supports only to be used for FDMR.



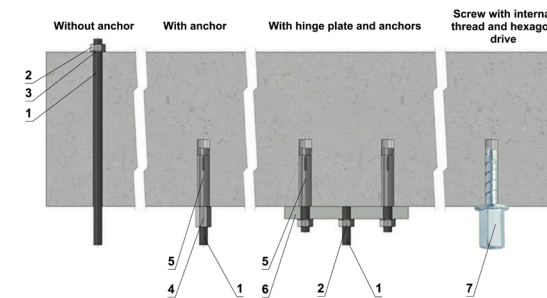
Circular suspension - DRSN



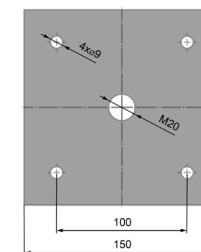
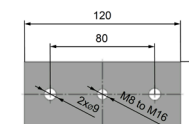
Ø100-400
With slotted quick closure.
With screw M6x20 and head: hex 1/4" and PH2.
Connection nut M8xM10.

Ø450-800
With Ø 10 hole.
With bolt and nut H17 M10x30.
Connection nut M8xM10.

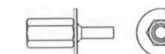
Advice provided by a fixing specialist contractor takes precedence.



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	As [mm]	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.

		Mandik UK Ltd www.mandik.co.uk Office: 0117 4526376	Redwood House Brotherhood Court Great Park Road Almondsbury Bristol BS32 4QW
		CE certified acc. to EN 15650	
Title: FDMR - Solid wall/ Fire Batt		Tested in accordance with EN 1366-2	
Classification: EI 90 (ve i<->o) S		Size: (min-max) 100x200 - 710x800	Date: 29/10/2021
Drawing No: 0000-0000-020 Rev 4		Illustrated: GP	Approved: MF
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