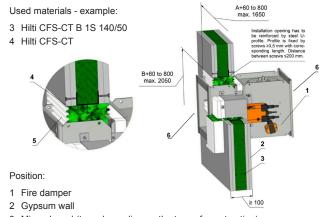
FDMA EI 90 S (Lightweight Wall - Fire Batt Fire stop)



- 3 Mineral wool (type depending on the type of construction)
- 4 Fire resistant board

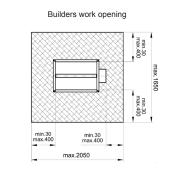
C

- 5 Fire stop coating thickness 1mm
- 6 DW144 standard duct supported to flanged breakaway joint on both front and rear of damper

Wall build construction must be symmetrical and in accordance with BS EN 1363-1 and tested in accordance with BS EN 1364-1. FDMA lightweight wall minimum thickness is 100mm

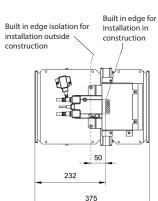
FDMA can be installed with blade axis positioned either vertically or horizontally and with the actuator positioned at 0°, 90° or 270°, but not at 180°.

Detail of plasterboard construction according to Rigips instructions (substitutes can be used that have a minimum of 2 x 12.5mm gypsum boards per side, such as British Gypsum, Knauf or Lafarge products that are the same overall wall thickness & EI performance).



Fire Batt sizes can be rotated

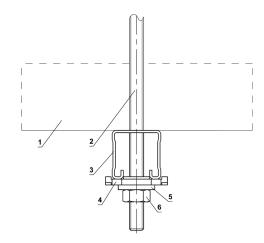
For larger format dampers, potentially two sprig cut-outs are required in fire batt (only for dampers with mechanical controls).



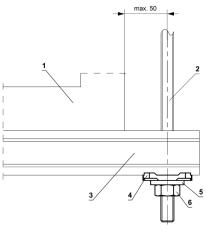
Built in edge signifies depth of damper insertion into wall

Fire batt installed as manufactures installation details

Drop rod and hanger location, please ensure that actuator operation is not compromised and ensure sufficient space to allow access hatch removal.

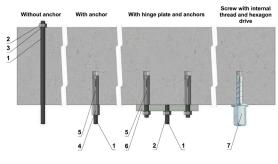


Drop rod and hanger position is not critical and can be positioned to suit the particular installation, applying symmetry where possible.



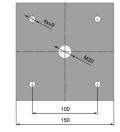
- Position:
- 1 FDMA
- 2 Threaded rod M8 M20
- 3 Support HILTI (MQ-41 = <100kg or MQ-41/3 = >100kg)
- 4 Bored plate HILTI MQZ-L
- 5 Washer for M8 M20
- 6 Nut M8 M20

Advice provided by a fixing specialist contractor takes precedence.









Screw with internal thread and hexagon drive

O

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

Weight G [kg]

- 1 Threaded rod M8 M20
- 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.

M		Mandik UK Ltd www.mandik.co. Office: 0117 4526	
Title: FDMA - Lightweight wall/ Fire Batt		CE certified acc. to EN 15650	
		Size: (min-max) 180x180 - 1600x1000	
Classification:	El 90 (ve i<->o) S		
Drawing No:	0000-0000-016 Rev 5	Date: 29/10/2021	
		Illustrated: GF	Approved: MF
In	tellectual property of MANDIK Ltd. Unauthorised	l use shall be pi	unishable by law

Α, Size [mm²] 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:

 - 2 Nut