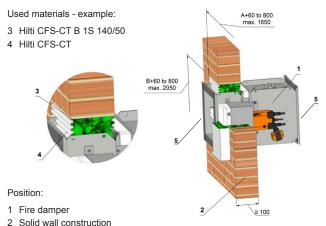
FDMA EI 90 S (Solid wall - Fire Batt Fire stop)



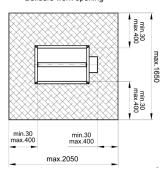
- 3 Fire resistant board
- 4 Fires stop coating thickness 1mm
- 5 DW144 standard duct supported to flanged breakaway joint on both front and rear of damper

FDMA solid 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°.

Fire batt installed as manufactures installation details

Builders work opening



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).

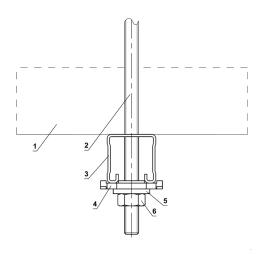
Built in edge signifies depth of damper insertion into wall

Built in edge for installation in construction

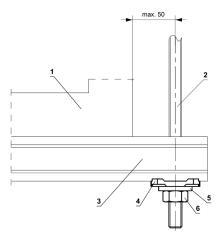
Built in edge isolation for installation outside construction

232

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



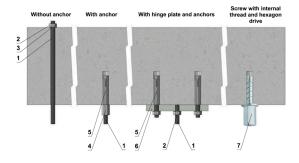
Drop rod and hanger position is not critical and can be positioned to suit the particular installation, applying symmetry where possible.



Position:

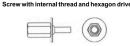
- 1 FDMA
- 2 Threaded rod M8 M20
- 3 Support HILTI (MQ-41 = <100kg or MQ-41/3 = >100kg)
- 4 Bored plate HILTI MQZ-L
- 5 Washer for M8 M20
- 6 Nut M8 M20

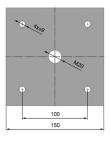
Advice provided by a fixing specialist contractor takes precedence.











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

[mm²]

36,6

192

M8

M12 84,3

M10 58

M16 157

M18

M14 115

M20 245

Weight G [kg]

44

70

104

140

192

234

for 1 piece

52

70

96

117

150

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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