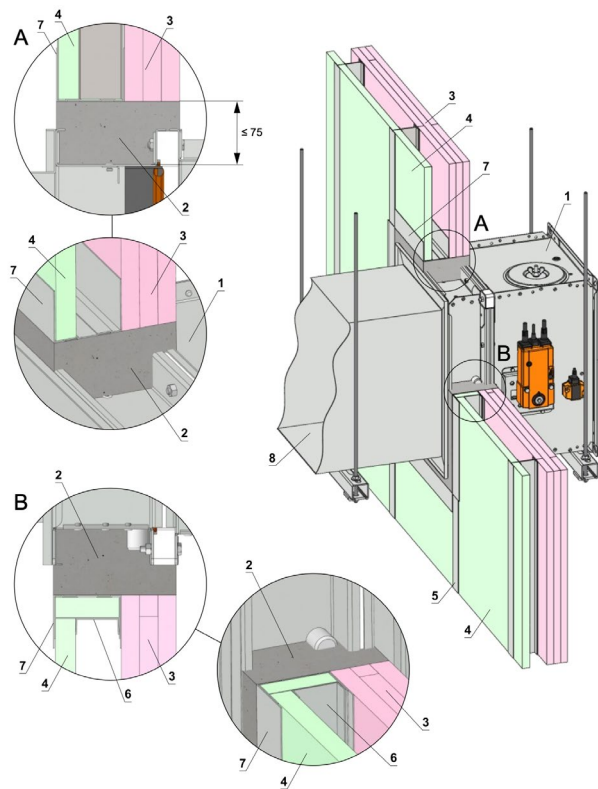


# FDMQ EI 120 S (120M Shaftwall - Fire Pro Fire stop)



**Position:**

- 1 Fire damper
- 2 Gypsum plaster to EN 13279-1 class A min density 670 kg m<sup>3</sup> typically BG Thistle bond 60 (or equivalent)
- 3 Gyproc FireLine
- 4 Gyproc CoreBoard
- 5 Gypframe 'I' Stud
- 6 Gypframe Retaining channel
- 7 Gypframe Deep Flange Floor & Ceiling Channels
- 8 DW144 standard duct supported to flanged breakaway joint on both front and rear of damper

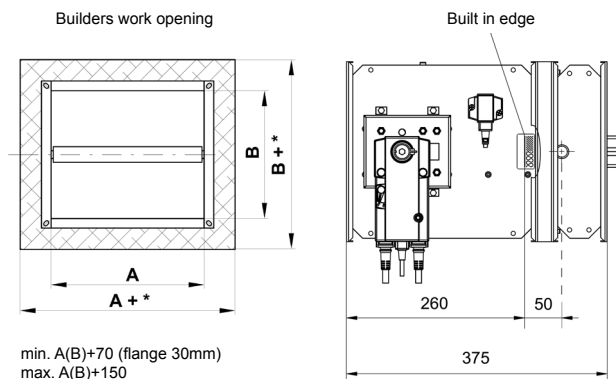
**Note:**

- Maximum size for FMDQ in 120M shaftwall is 1500mm x 650mm
- Damper can be installed on either side of the wall
- Ensure damper is fire stopped from both sides

Wall build construction must be tested in accordance with BS EN 1364-1.

FDMQ 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°.

Built in edge signifies depth of damper insertion into wall

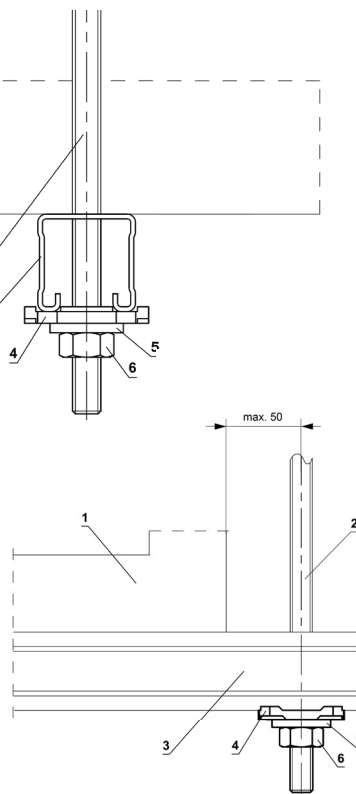


Drop rod and hanger position is not critical and can be positioned to suit the particular installation, applying symmetry where possible.

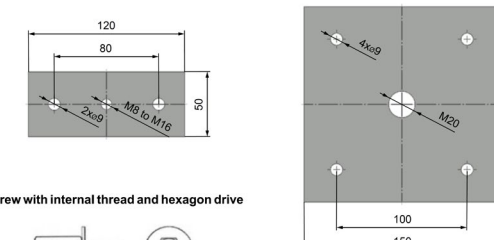
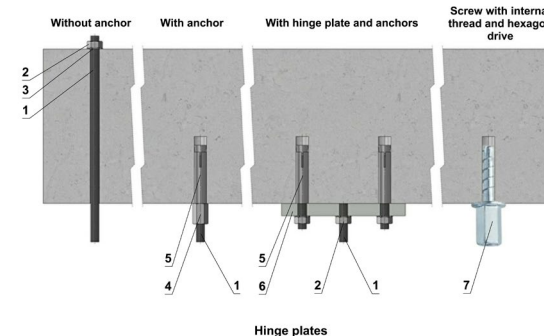
Please ensure that actuator operation is not compromised and ensure sufficient space to allow access hatch removal.

**Position:**

- 1 FDMQ
- 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

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 Brotherswood Court Great Park Road Almondsbury Bristol BS32 4QW	
		<b>Title: FDMQ - Shaftwall/ Fire Pro</b>		CE certified acc. to EN 15650	
<b>Classification: EI 120 (ve i&lt;-&gt;o) S</b>		Tested in accordance with EN 1366-2		Size: (min-max) 150x150 - 1500x650	
<b>Drawing No: 0000-0000-055 Rev 1</b>		Date: 13/04/22		Illustrated: GP Approved: RL	
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