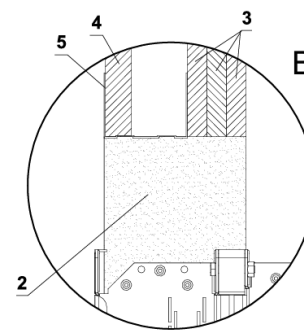
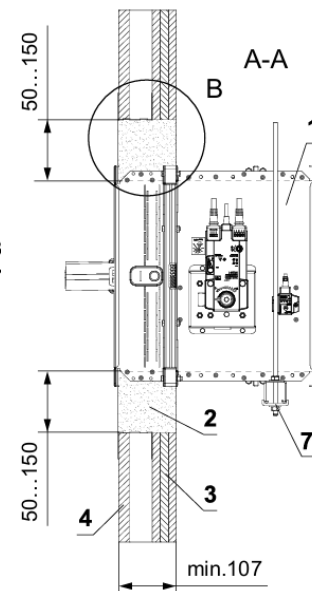
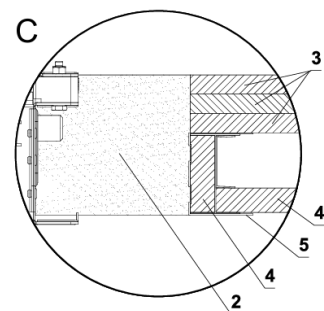
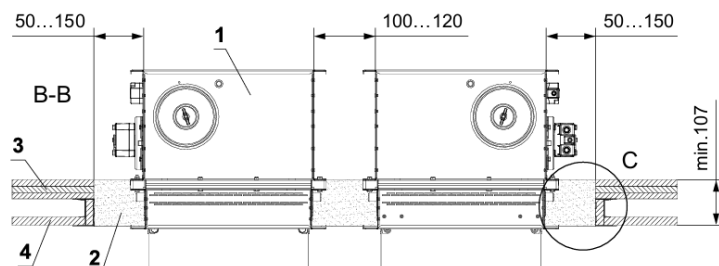
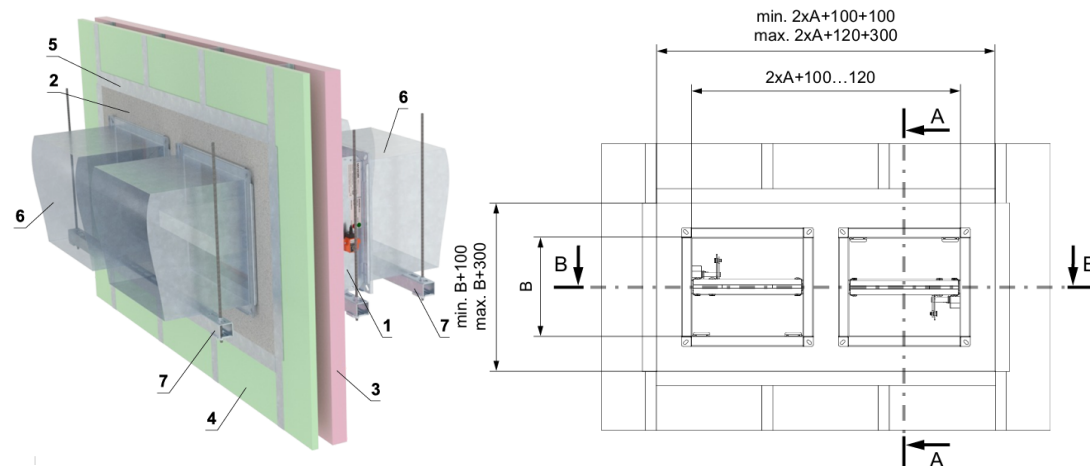
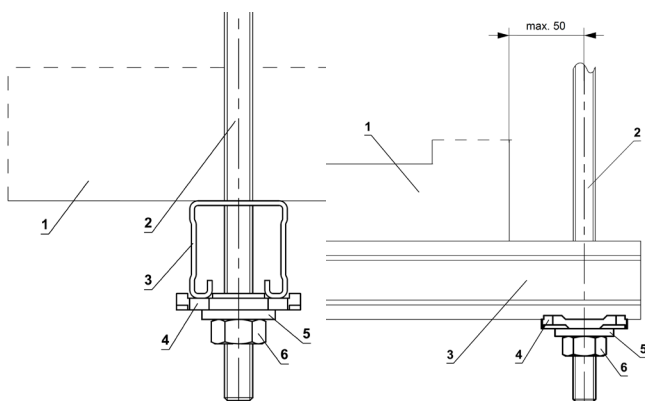


FDMQ 120 - 2 Dampers in one opening in a Shaft wall Construction - Mortar or Gypsum - EI 120 (v_e) S [H] - UKCA



- 1 FDMQ 120
- 2 British gypsum thistle bond 60 (or equivalent can be used) minimum density 670 kg/m³
- 3 Plasterboard BS EN 520 - Type F - min. 3x15 mm
- 4 Plasterboard BS EN 520 - Type F - min. 1x19 mm
- 5 Plasterboard profile
- 6 Duct
- 7 Fixing profile with threaded rod



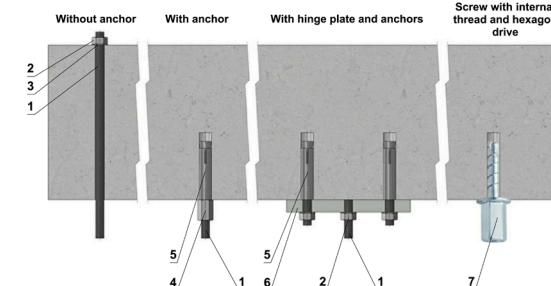
Drop rod and hanger position is not critical and can be positioned to suit the particular installation, applying symmetry where possible.

- Position:
- 1 FDMQ 120
 - 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

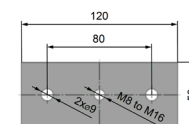


FFDM or alternative breakaway joint must be used either side of the damper. See Product TPM for full duct connection details.

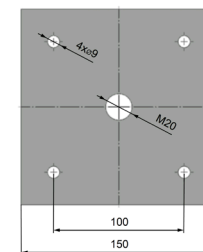
Advice provided by a fixing specialist contractor takes precedence.



Hinge plates



Screw with internal thread and hexagon drive



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

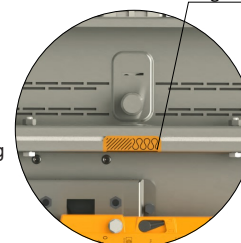
Size	A _s [mm]	Weight G [kg]	
		for 1 piece	for 1 pair
M8	36.6	22	44
M10	58	35	70
M12	84.3	52	104
M14	115	70	140
M16	157	96	192
M18	192	117	234
M20	245	150	300

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 technical@Mandik.co.uk. Mandik reserves the right to update this information without prior notice.

Built in edge



MANDIK®		Mandik UK Ltd www.mandik.co.uk Office: 0117 4526376		2440 The Quadrant Aztec West Bristol BS32 4AQ	
Title: FDMQ120 - 2 dampers 1 opening - Shaft Wall Mortar or Gypsum				UKCA certified acc. to EN 15650	
Classification: EI 120 (v_e) S [H]				Tested in accordance with EN 1366-2	
Drawing No: 0000-0000-241 Rev 1				Size: (min-max) 150x150 - 1500x800	
				Date: 25/08/2026	
				Illustrated: AA	Approved: MF
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