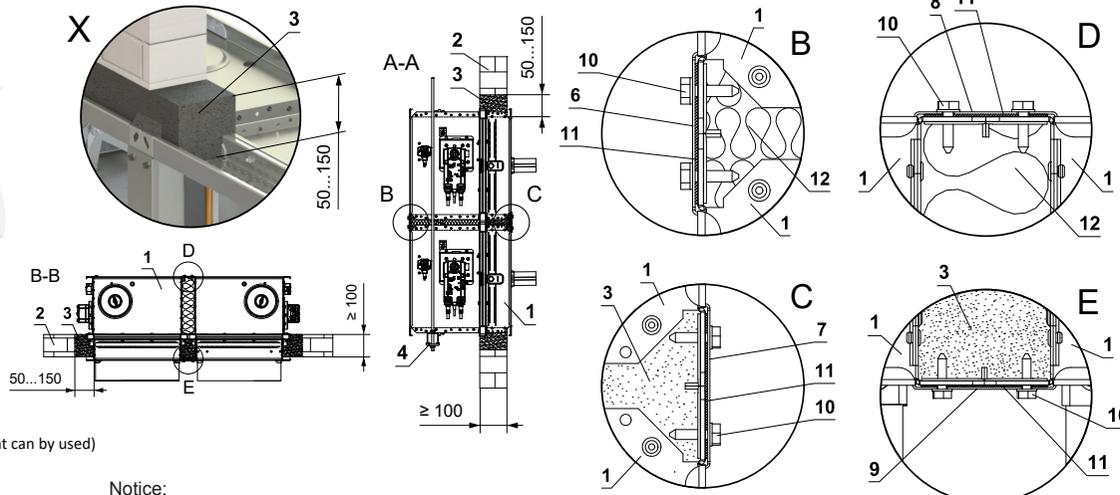
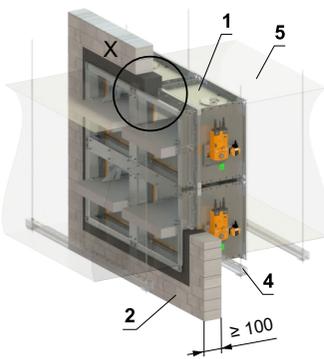


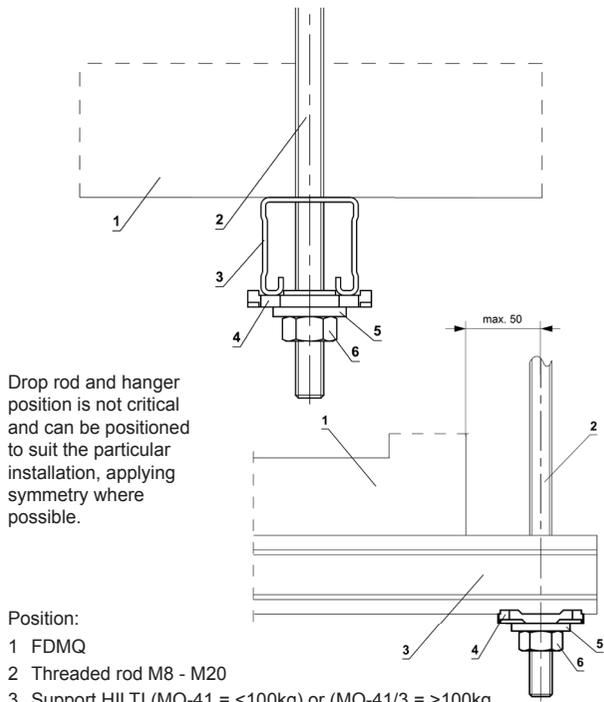
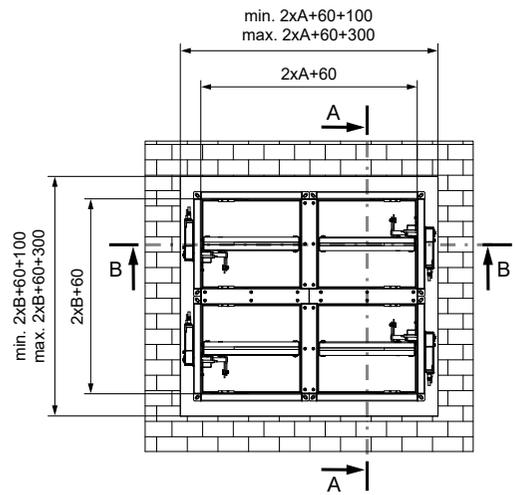
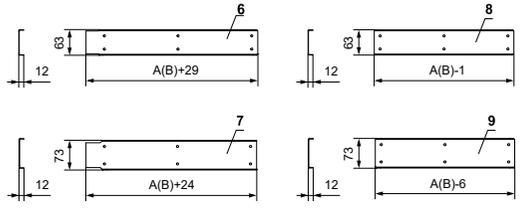
FDMQ 120 Battery (Solid wall - Gypsum/Mortar Fire stop) - EI 120 S - UKCA



- 1 FDMQ 120
- 2 Solid wall construction
- 3 British gypsum thistle bond 60 (or equivalent can be used) minimum density 670 kg/m³
- 4 Fixing profile with threaded rod
- 5 Duct
- 6 U-profile type 2
- 7 U-profile type 4
- 8 U-profile type 1
- 9 U-profile type 3
- 10 Screw TEK 4,8x18 mm (span ≤ 185 mm)
- 11 Seal
- 12 Insulation board made of stone wool, density 66 kg/m³ (e.g. ISOVER Ultimate Protect SLAB 4), th. 60 mm

Notice:

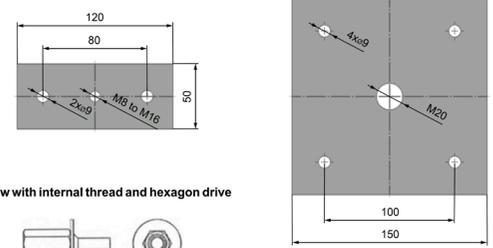
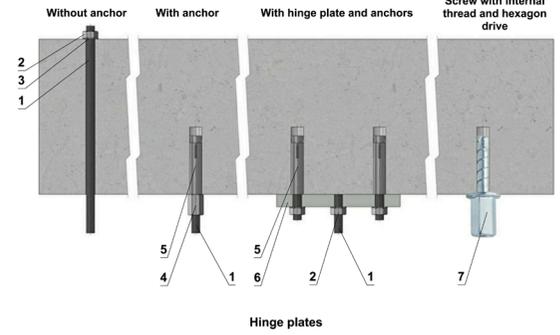
- Gap between damper and construction is filled by mortar or gypsum
- Distance between dampers 60mm
- Flange to flange connection - up to 4 dampers can be installed



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

- 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	130 Aztec West Park Avenue Bristol BS32 4UB
		UKCA certified acc. to EN 15650 Tested in accordance with EN 1366-2	
Title: FDMQ 120 Battery - Solid Wall - UKCA		Classification: EI 120 (ve i <-> o) S	
Drawing No: 0000-0000-212 Rev 1		Size: (min-max) 150x150 - 1500x800	Date: 04/05/2023
		Illustrated: AA	Approved: MF
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