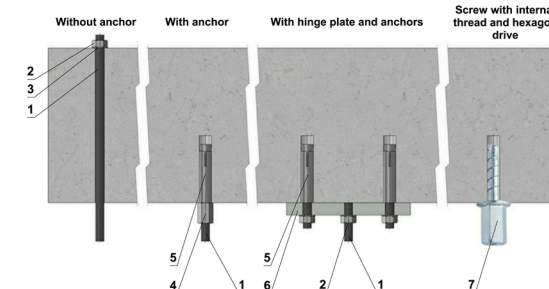
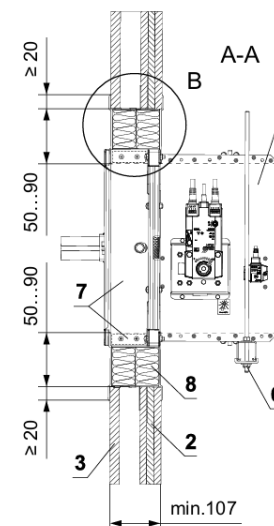
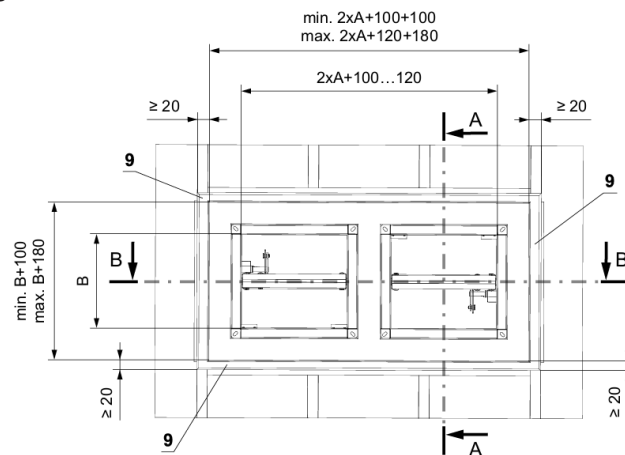
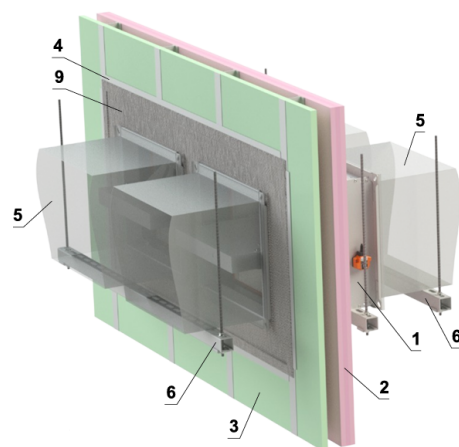
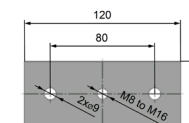
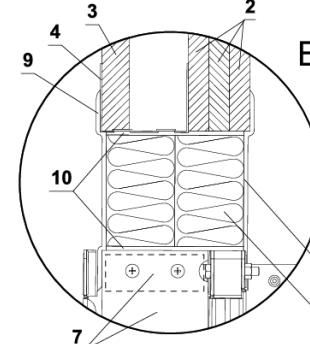
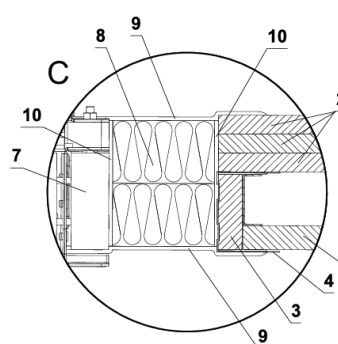
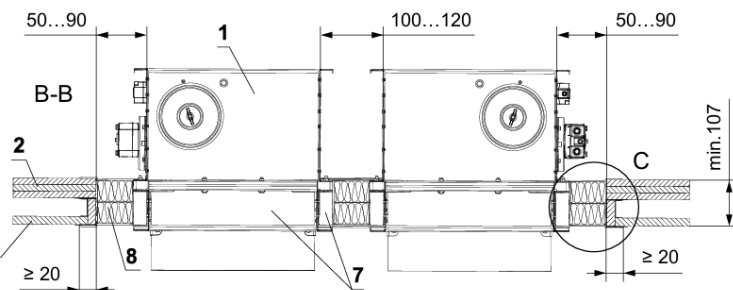


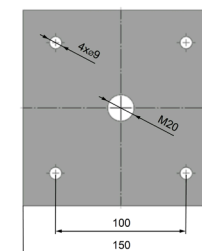
Advice provided by a fixing specialist contractor takes precedence.



Hinge plates



Screw with internal thread and hexagon drive



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

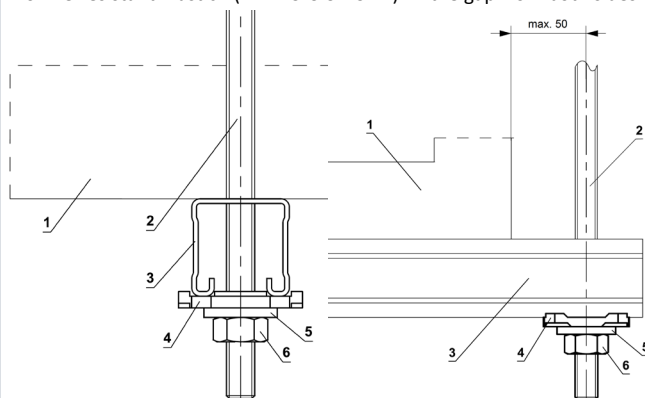
Size	A _s [mm ²]	Weight G [kg]	
		for 1 piece	for 1 pair
M8	36,6	22	44
M10	58	35	70
M12	84,3	52	104
M14	115	70	140
M16	157	96	192
M18	192	117	234
M20	245	150	300

-
- 1 FDMQ 120
 2 Plasterboard EN 520 - Type F - min. 3x15 mm
 3 Plasterboard EN 520 - Type F - min. 1x19 mm
 4 Plasteboard profile
 5 Duct
 6 Fixing profile with threaded rod
 7 Protective cladding boards - (not part of the damper) but must be used as part of the penetration filling
 8 Ablative Coated Batt (e.g. Firestop Board HILTI CFS-CT B 1S 140/50 - min. density 140 kg/m3 + Firestop acrylic sealant HILTI CFS-S ACR or equivalent)
 9 Fire stop coating - th. 1 mm (HILTI CFS-CT...) - coating is overcoated on the support construction and on the damper casing/duct
 10 Fire-resistant mastic - (HILTI CFS-S ACR...) fill the gap from both sides of the fire separation construction and around the perimeter of penetration and damper casing

Position:

- | | Q235 | Q355 | Q460 |
|--|---------|---------|----------|
| 1 Threaded rod M8 - M20 | M8 36,6 | M10 58 | M12 84,3 |
| 2 Nut | M10 35 | M12 52 | M14 70 |
| 3 Washer | M12 115 | M16 157 | M18 192 |
| 4 Coupling nut | M16 70 | M18 117 | M20 140 |
| 5 Anchor | M18 96 | M20 123 | M22 150 |
| 6 Hinge plate - min. thickness 10mm | M20 245 | M22 300 | M24 360 |
| 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.

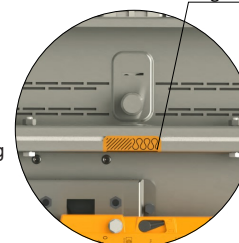


Drop rod and hanger position is not critical and can be positioned to suit the particular installation, applying symmetry where possible.

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

Built in
edge



MANÍK®

Mandik UK Ltd 2440 The Quadrant
Aztec West
Bristol
BS32 4AC

www.mandik.co.uk
Office: 0117 4526376

Title: **FDMQ120 - 2 dampers 1 opening - Shaft Wall**
Ablative Coated Batt

UKCA certified acc. to EN 15650

Tested in accordance with EN 1366-2

Classification: **EI 120 (v_e) S [H]**

Size: 150x150 1500x800

Drawing No: **0000-0000-242 Rev 1**

Date: 25/08/2026

Illustrated:	AA	Approved:	A
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