

SEDM EI 120 S (Lightweight wall - Fire Batt Fire stop)

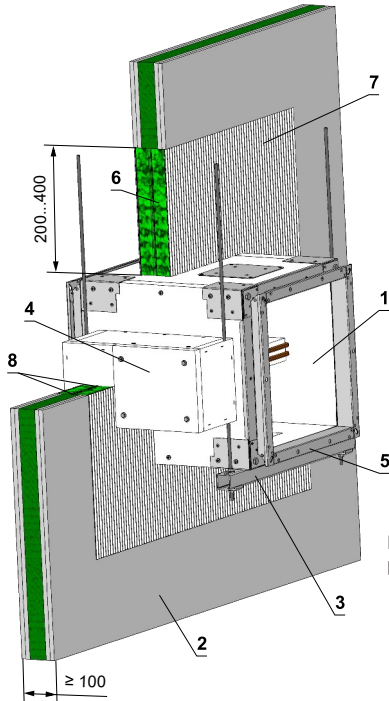
- 1 SEDM
- 2 Gypsum wall construction
- 3 Profile with threaded rod
- 4 Actuator cover - must be removable after installation of the damper
- 5 Flange

Ablative Coated Batt System HILTI
 6 Mineral wool board - min. density 140 kg/m³ (HILTI CFS-CT B 1S 140/50...) 7 Fire stop coating - th. 1 mm (HILTI CFS-CT...) - coating is overcoated on the support construction and on the damper casing/duct.
 8 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.

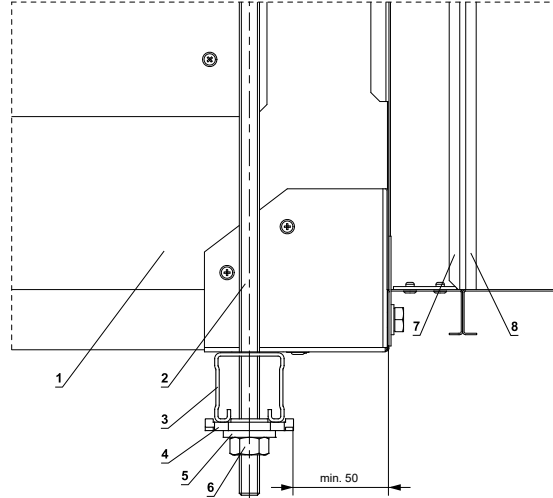
SEDM Lightweight wall minimum thickness is 100mm (wall must be minimum EI 90 construction to BS EN 1363-1)

SEDM can be installed with blade axis positioned either vertically or horizontally and with the actuator positioned at 0°, 90°, 180° or 270°

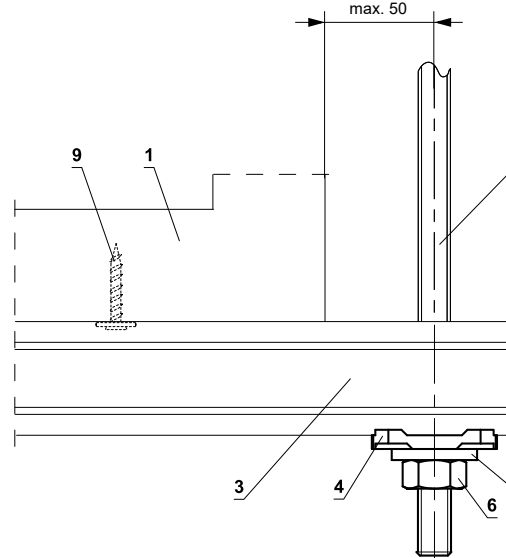
Firebatt installed as manufactures installation details



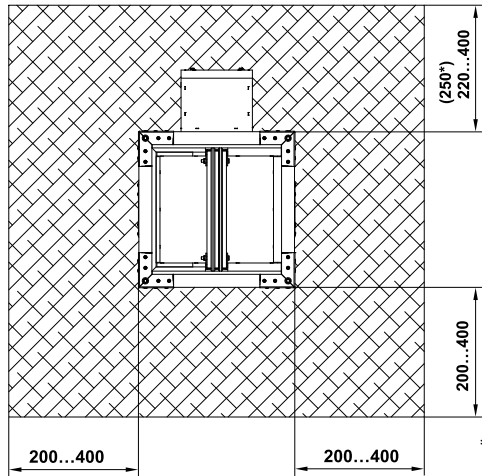
Drop rod and hanger location, please ensure that actuator operation is not compromised and ensure sufficient space to allow access hatch removal.



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



- 1 SEDM
- 2 Threaded rod M8 - M20
- 3 Support HILTI MQ-41 (or MQ-41/3 or equivalent)
- 4 Bored plate HILTI MQZ-L or equivalent
- 5 Washer for M8 - M20
- 6 Nut M8 - M20
- 7 Flange of SEDM
- 8 Flange of duct
- 9 Self-tapping screw 5x30 mm and 1 pcs large washer M5 (for additional fixing, prevents the damper from sliding off the support - not necessary use)



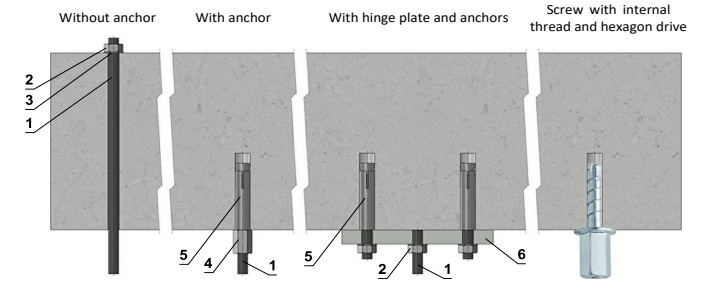
* Dimensions with actuating mechanism InMax 50.75S.

For damper blade offset dimensions see full TPM.

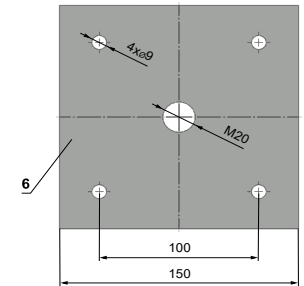
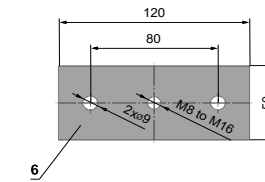
It is crucial that damper actuator access cover can be removed once fire stop is completed.

Advice provided by a fixing specialist contractor takes precedence.

Examples of anchoring to the ceiling construction
 Follow the instructions of fixing specialist or installation company



Hinge plates



■ If in doubt, always consult an anchor specialist engineer such as Halfen or Hilti.

Load capacities of threaded rods at the required fire resistance 60 min. $t \le 120 \text{ min.}$

Size	As [mm ²]	Weight [kg]	
		for 1 rod	for 2 rods
M8	36,6	22	44
M10	58	35	70
M12	84,3	52	104
M16	157	96	192
M18	192	117	234
M20	245	150	300

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		2440 The Quadrant Aztec West Bristol BS32 4AQ	
		www.mandik.co.uk Office: 0117 4526376		UKCA certified acc. to EN 12101-8	
Title:		SEDM - Lightweight Wall - Fire Batt		Tested in accordance with EN 1366-2 & 1366-10	
Classification:		EI 120 (vew i<->o) S1500CmodHOT 400/30MAmulti		Size: (min-max) 180x180 - 1600x1000	
Drawing No:		0000-0000-520 Rev 3		Date: 06/01/2025	
		Illustrated: AA		Approved: MF	
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