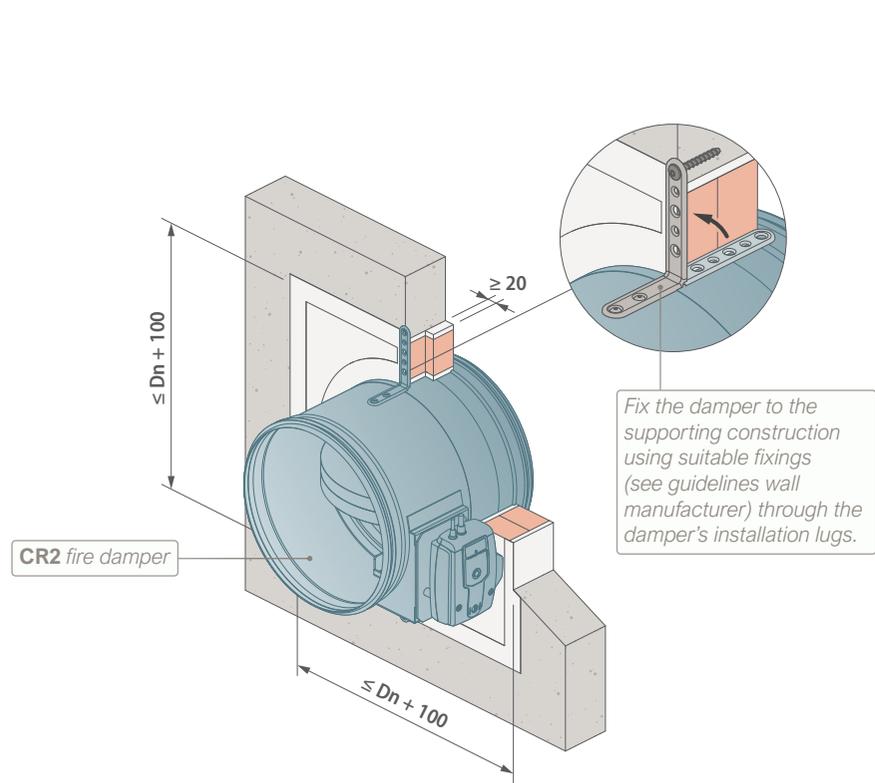


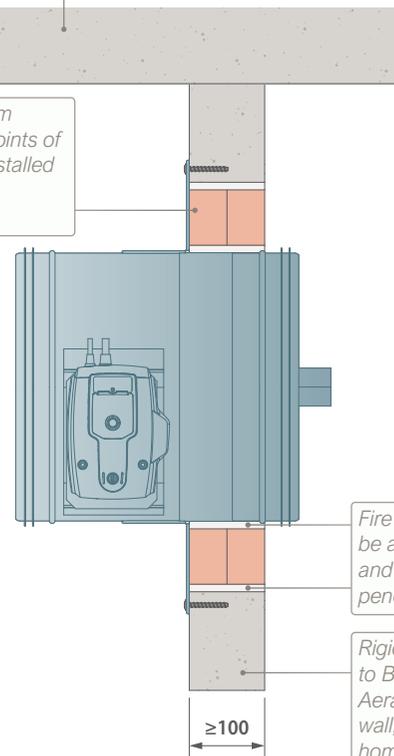
CR2 FIRE DAMPER



Supporting construction (slab or other)

Fire batt, 2 layers of 50mm thick, $\geq 140 \text{ kg/m}^3$. The joints of these 2 layers must be installed staggered ($\geq 20\text{mm}$). For ex: Promat, Hilti.

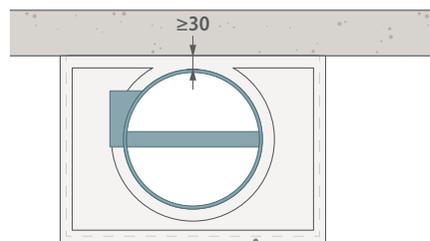
Fix the damper to the supporting construction using suitable fixings (see guidelines wall manufacturer) through the damper's installation lugs.



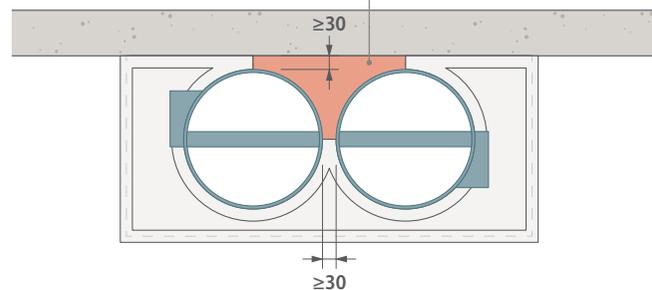
Fire batt sealant/coating to be applied on all cut edges and joints both sides of the penetration seal.

Rigid supporting construction to BS EN 1363-1: 2020. Aerated concrete block wall, blockwork, masonry or homogenous concrete wall.

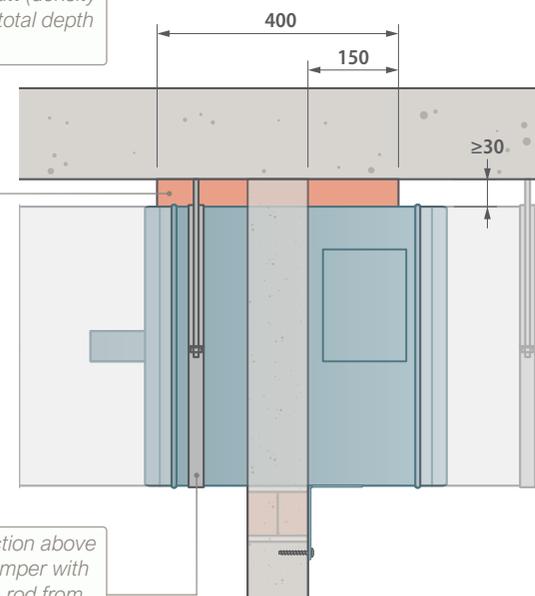
If 2 dampers close to each other:
If distance from damper tunnel to damper tunnel ≥ 30 and $< 200 \text{ mm}$ and if distance from damper tunnels to horizontal supporting construction ≥ 30 and $< 75 \text{ mm}$: apply fire batt (density min. 150kg/m^3) between fire dampers and horizontal supporting construction over a total depth of 400 mm. Not required to coat the fire batt nor use coated fire batt.



If 1 single damper: apply 2 layers of fire batt as shown above.



If not possible to fix the lug to the vertical supporting construction above the damper due to space constraints, order the CR2-L500 damper with elongated tunnel and suspend the damper from min. M8 drop rod from the horizontal supporting construction. Dimension suspension system acc. to weight and required fire resistance.



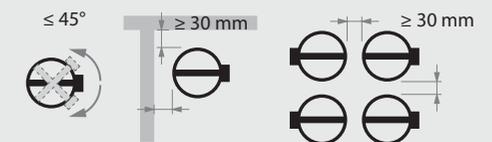
TECHNICAL FEATURES

- Damper range: $\varnothing 200$ till 630.
- Damper can be installed with blade in any position.

360°



- Damper can be installed with mechanism on either side of the wall (independent of fire side).
- Please consult with the fire batt manufacturer for appropriate sealant/coating
- For larger wall openings. See CR2 Fire Damper Technical Datasheet.
- A max. of 4 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. Blade horizontal or max. 45°. See detailed guidelines in the CR2 Technical Datasheet.



- To be read in conjunction with the CR2 Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
 - Installation lugs as shown in the drawings are available upon request.
 - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: eg socket & spigot or flanged with appropriate fixings eg plastic cleats, clips, clamps, bolts, aluminium alloy rivets etc.).
 - Provide a panel in the adjacent ductwork to allow access to the internal components of the fire damper.
 - Ductwork must be independently supported and installed (DW144).
- Dimensions in mm unless otherwise stated.

TECHNICAL DATASHEET



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

CR2 fire damper in rigid supporting construction. Installation detail with fire batt.

CLASSIFICATION

EI 90 (ve i↔o)S

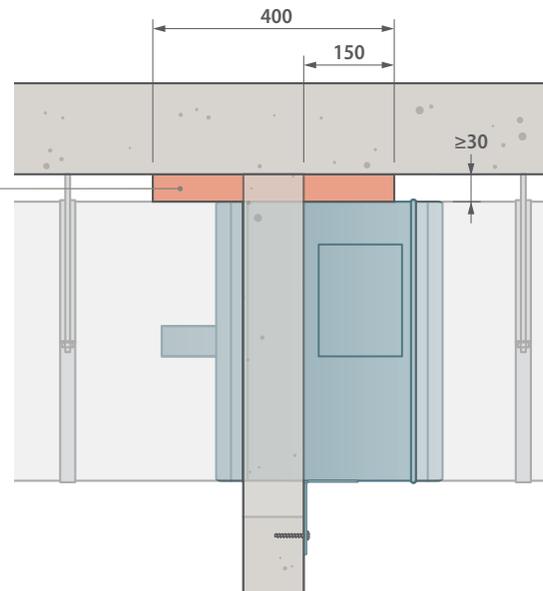
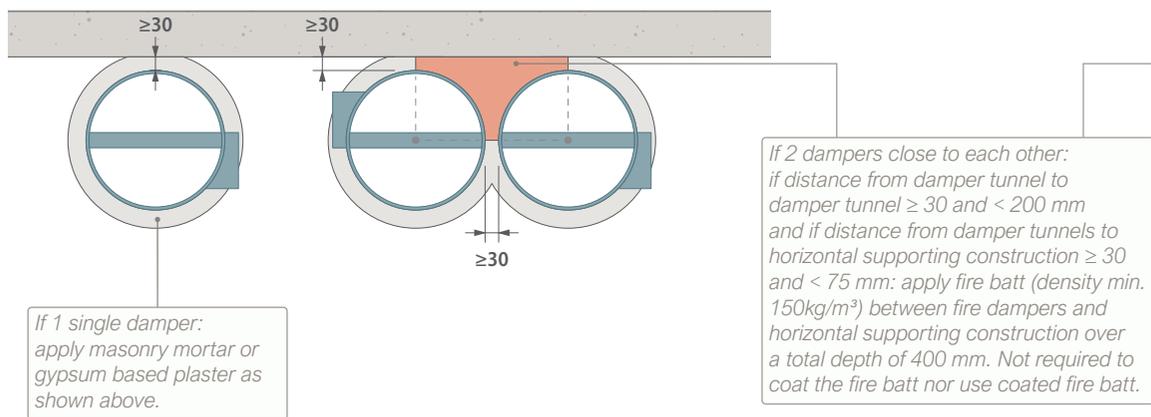
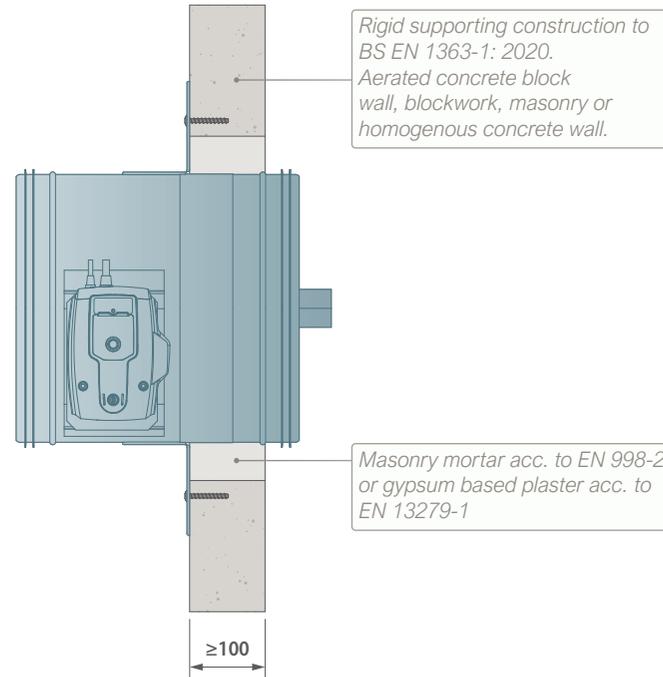
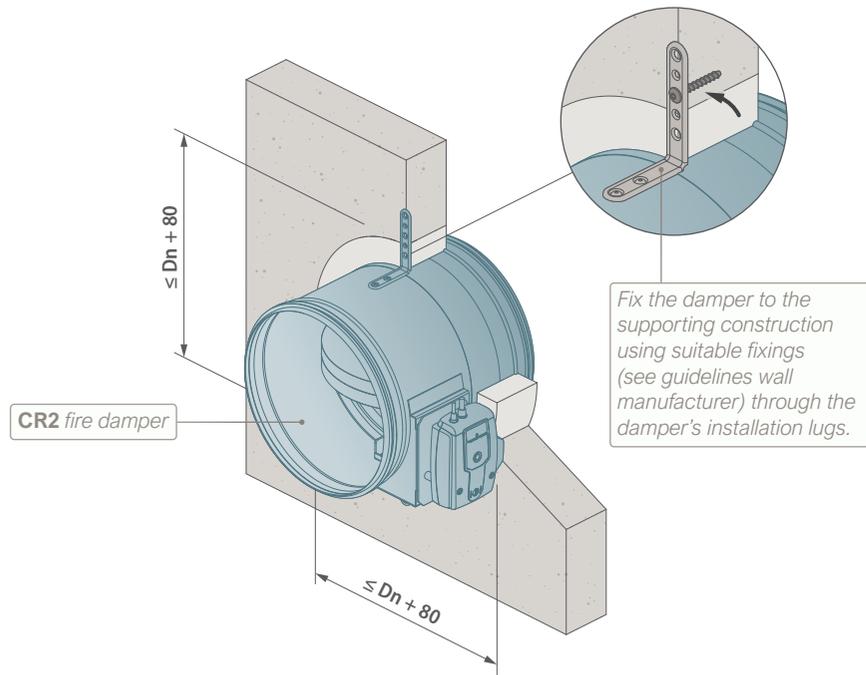


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CR2 FIRE DAMPER



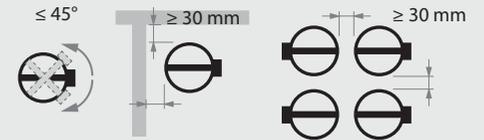
TECHNICAL FEATURES

- Damper range: $\varnothing 200$ till 630.
- Damper can be installed with blade in any position.

360°



- Damper can be installed with mechanism on either side of the wall (independent of fire side).
- A max. of 4 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. Blade horizontal or max. 45°. See detailed guidelines in the CR2 Technical Datasheet.



- To be read in conjunction with the CR2 Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
 - Installation lugs as shown in the drawings are available upon request.
 - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: eg socket & spigot or flanged with appropriate fixings eg plastic cleats, clips, clamps, bolts, aluminium alloy rivets etc.).
 - Provide a panel in the adjacent ductwork to allow access to the internal components of the fire damper.
 - Ductwork must be independently supported and installed (DW144).
- Dimensions in mm unless otherwise stated.

TECHNICAL DATASHEET



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

CR2 fire damper in rigid supporting construction
Installation detail with mortar or gypsum based plaster.

CLASSIFICATION

EI 120 (ve i↔→)S



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22/12/2023

