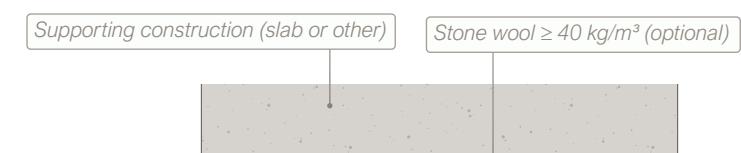
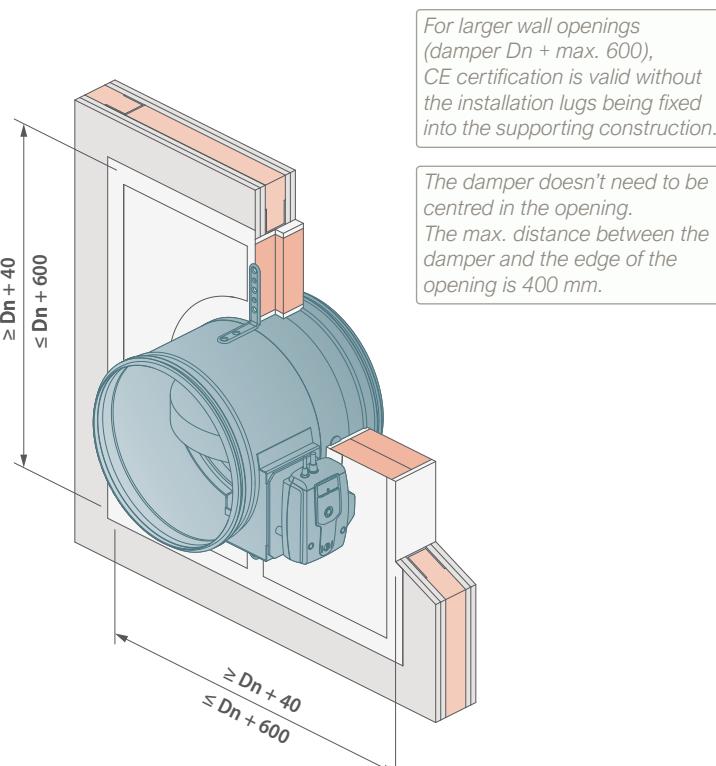
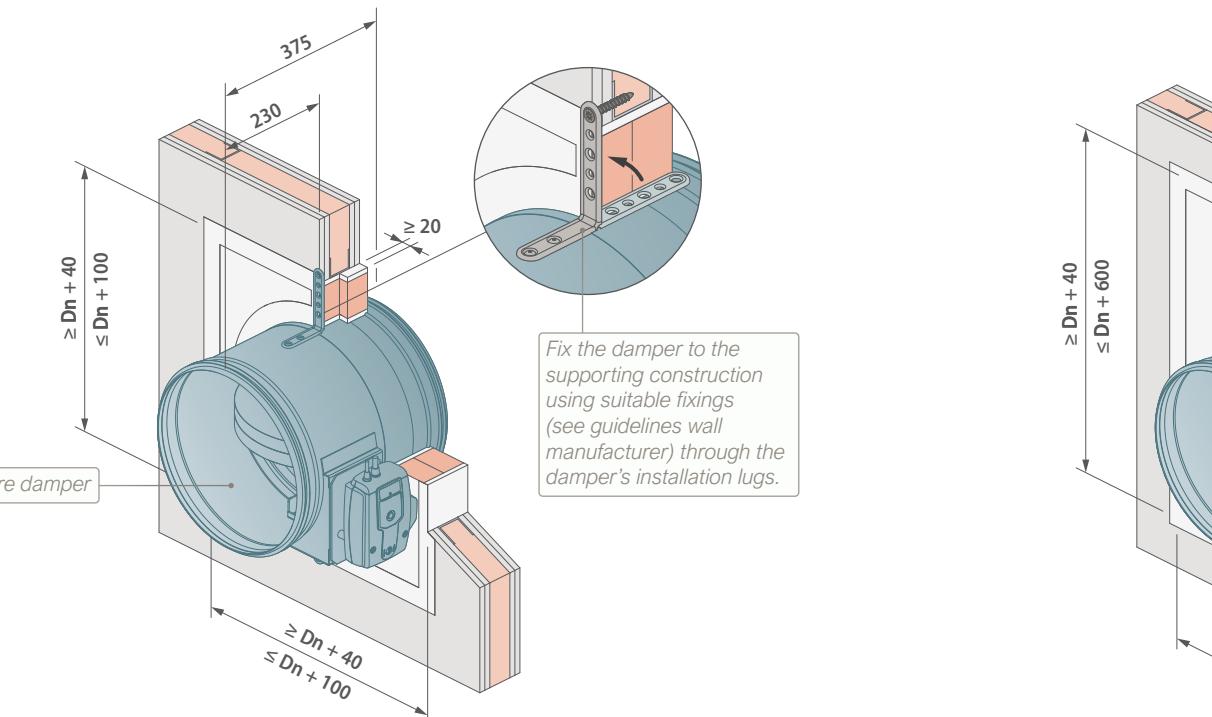
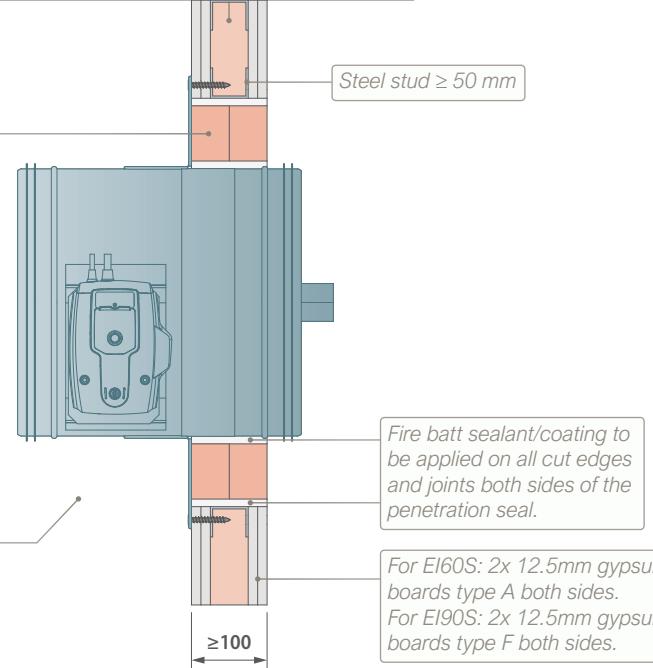


CR2 FIRE DAMPER



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.

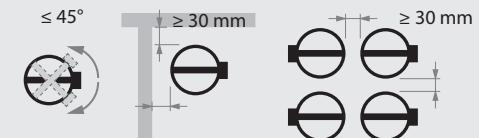
4-sided opening: the partition can support a deflection head without affecting the installation detail or classification of the fire damper.
3-sided opening: only applicable if no deflection of the supporting construction above is to be expected (see also page 2/2).



TECHNICAL FEATURES

- Damper range: $\varnothing 200$ till 630 .
- Damper can be installed with blade in any position.
- 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
- More info on larger wall openings. See CR2 Fire Damper Installation manual.
- 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 Installation manual.

360°



- To be read in conjunction with the CR2 Fire Damper Installation manual.
- Guidelines acc. to DW144/145 (not required for CE Certification):
 - 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: Breakaway and flexible joints should incorporate materials, fixings, clamps, etc. that are manufactured from non-fire-resistant material with a low melting point such as aluminium, plastic etc.).
 - Provide space to access the internal components of a damper through an adjacent ductwork opening.
 - Supports to the connecting ductwork should be provided in accordance with the requirements of BESA Specification DW/144.
- Dimensions in mm unless otherwise stated.

INSTALLATION MANUAL



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

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

PAGE
1/2

CLASSIFICATION

EI 60/90 (ve i↔o)S

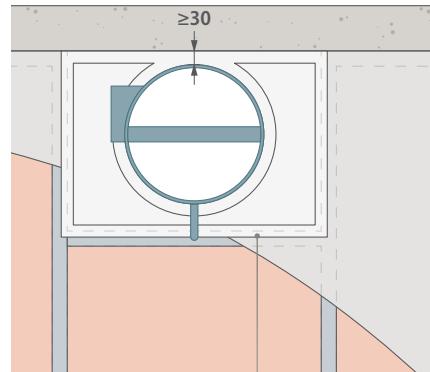


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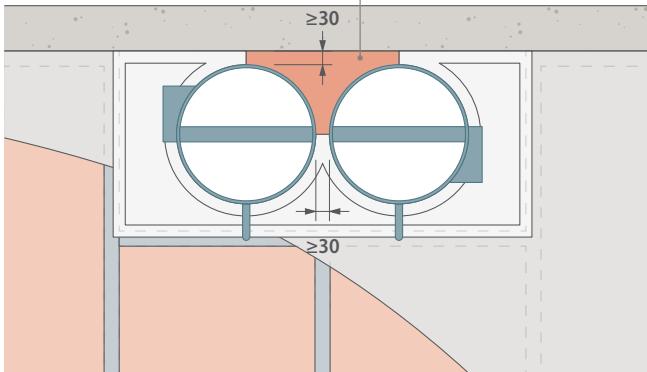
DATE
09/01/2026



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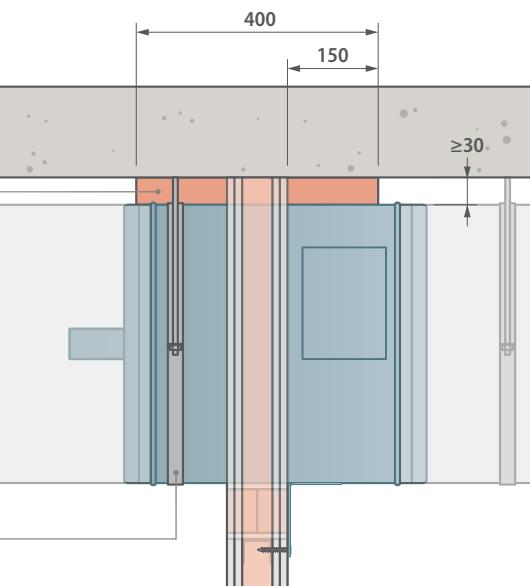
If 1 single damper:
apply 2 layers of fire batt
as shown above.



If 2 dampers close to each other:
If distance from damper tunnel to damper tunnel ≥ 30 and
 < 200 mm and if distance from damper tunnels to horizontal
supporting construction ≥ 30 and < 75 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.

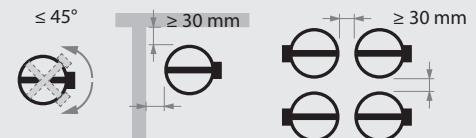
If 2 dampers close to each other:
If distance from damper tunnel to damper tunnel ≥ 30 and
 < 200 mm and if distance from damper tunnels to horizontal
supporting construction ≥ 30 and < 75 mm: apply fire batt (density min. 150kg/m^3) between fire
dampers and horizontal supporting construction over
a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

If 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. Suspension of the fire damper acc.
to DW145 guidelines. Dimension suspension
system acc. to weight and required fire resistance.
Suspension is not required for CE certification.



TECHNICAL FEATURES

- Damper range: $\varnothing 200$ till 630 .
- Damper can be installed with blade in any position.
- 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
- More info on larger wall openings. See CR2 Fire Damper Installation manual.
- 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 Installation manual.



- To be read in conjunction with the CR2 Fire Damper Installation manual.
- Guidelines acc. to DW144/145 (not required for CE Certification):
 - 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: Breakaway and flexible joints should incorporate materials, fixings, clamps, etc. that are manufactured from non-fire-resistant material with a low melting point such as aluminium, plastic etc.).
 - Provide space to access the internal components of a damper through an adjacent ductwork opening.
 - Supports to the connecting ductwork should be provided in accordance with the requirements of BESA Specification DW/144.
- Dimensions in mm unless otherwise stated.

INSTALLATION MANUAL

INSPECTION AND
HANDOVER CHECK LIST

PLAN TITLE

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

PAGE

2/2

CLASSIFICATION

EI 60/90 (ve i↔o)S

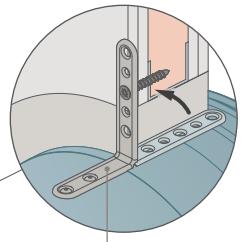
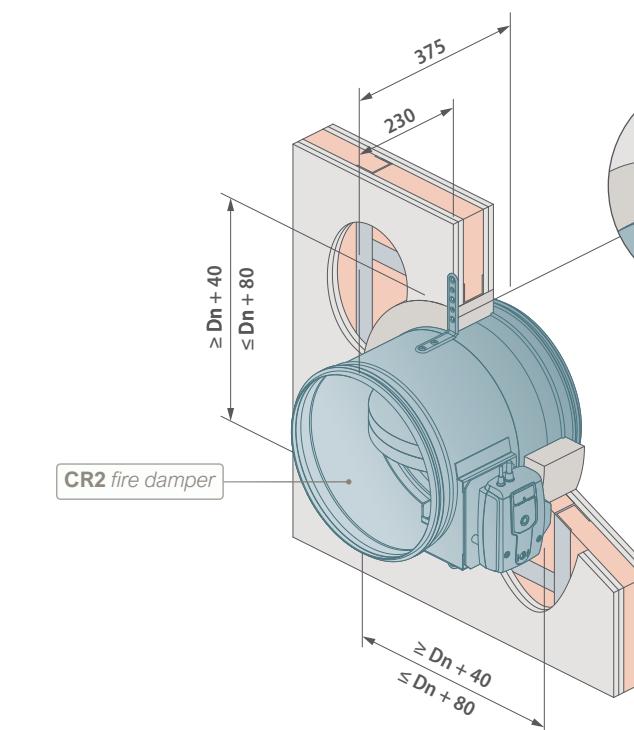


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CR2 FIRE DAMPER

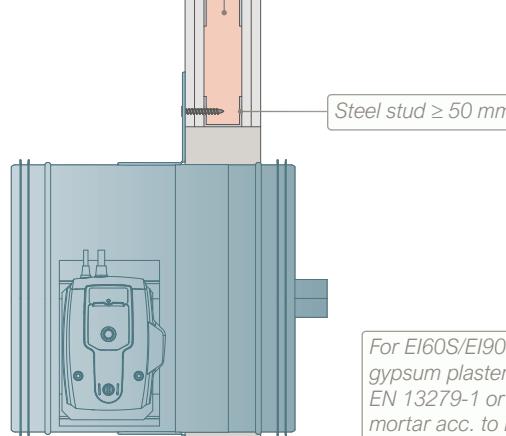


Fix the damper to the supporting construction using suitable fixings (see guidelines wall manufacturer) through the damper's installation lugs.

Supporting construction (slab or other) Stone wool $\geq 40 \text{ kg/m}^3$ (optional)



Steel stud $\geq 50 \text{ mm}$



For EI60S/EI90S: use gypsum plaster acc. to EN 13279-1 or masonry mortar acc. to EN 998-2.
For EI120S: use gypsum plaster acc. to EN 13279-1

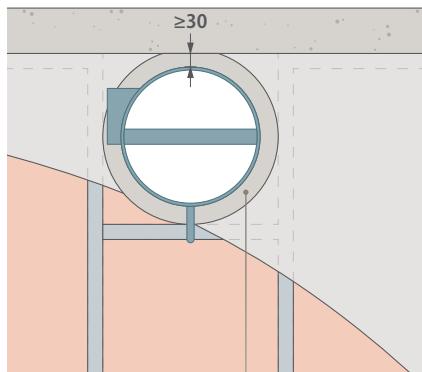
For EI60S: 2x 12.5mm gypsum boards type A both sides.
For EI90S/EI120S: 2x 12.5mm gypsum boards type F both sides.

≥ 100

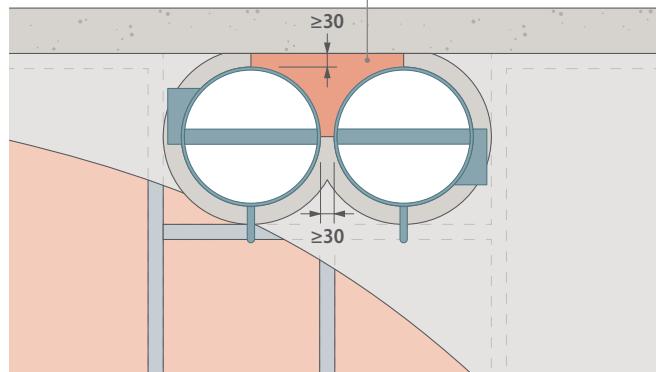
4-sided opening: the partition can support a deflection head without affecting the installation detail or classification of the fire damper.
3-sided opening: only applicable if no deflection of the supporting construction above is to be expected.

If 2 dampers close to each other:

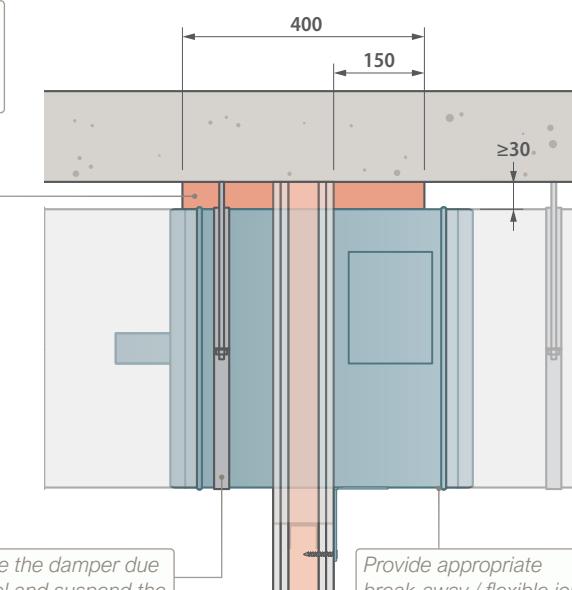
If distance from damper tunnel to damper tunnel ≥ 30 and $< 200 \text{ mm}$ and if distance from damper tunnels to horizontal supporting construction ≥ 30 and $< 75 \text{ mm}$: apply fire batt (density min. 150 kg/m^3) between fire dampers and horizontal supporting construction over a total depth of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



If 1 single damper:
apply gypsum plaster or masonry mortar 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. Suspension of the fire damper acc. to DW145 guidelines. Dimension suspension system acc. to weight and required fire resistance. Suspension is not required for CE certification.



Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly

TECHNICAL FEATURES

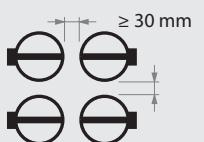
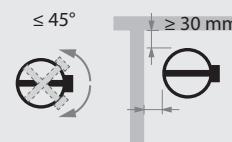
- Damper range: $\varnothing 200$ till 630 .
- Damper can be installed with blade in any position.

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 Installation manual.



- To be read in conjunction with the CR2 Fire Damper Installation manual.
- Guidelines acc. to DW144/145 (not required for CE Certification):
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 - Provide space to access the internal components of a damper through an adjacent ductwork opening.
 - Supports to the connecting ductwork should be provided in accordance with the requirements of BESA Specification DW/144.
- Dimensions in mm unless otherwise stated.

INSTALLATION MANUAL



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

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

PAGE

1/1

CLASSIFICATION

EI 60/90/120 (ve i↔o)s



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