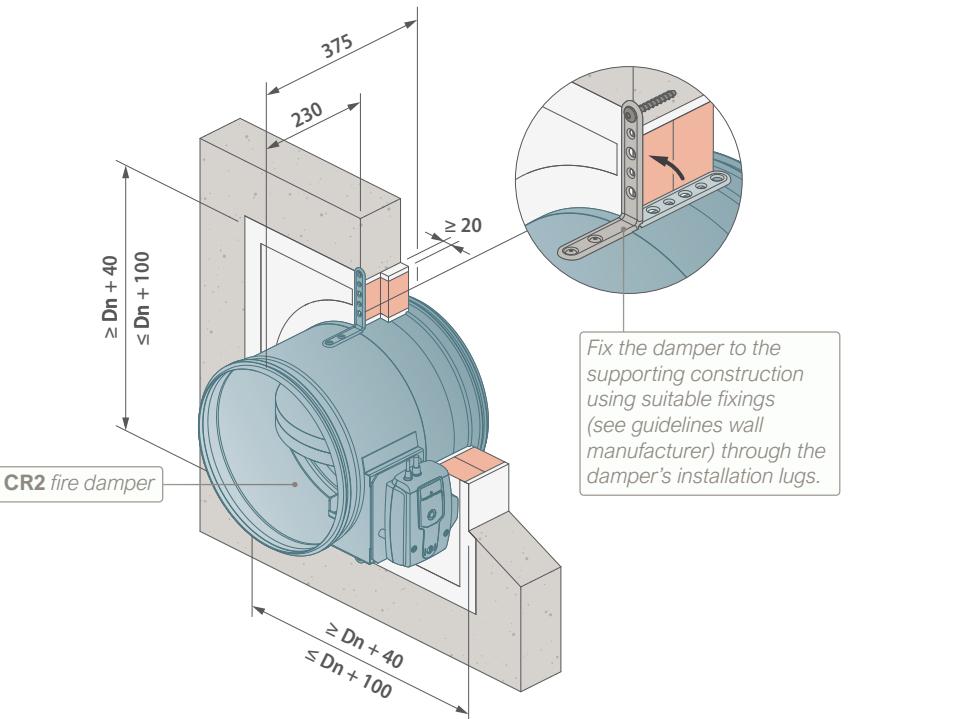


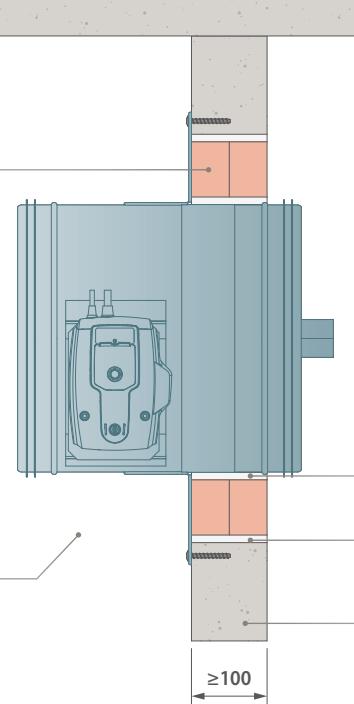
CR2 FIRE DAMPER



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.

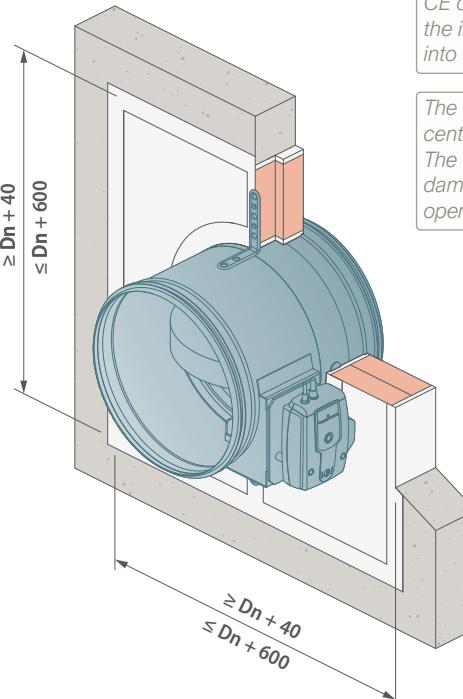
4-sided opening: the partition can support a deflection head without affecting the installation detail or classification of the fire damper.
3-sided opening: only applicable if no deflection of the supporting construction above is to be expected (see also page 2/2).



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

For larger wall openings (damper Dn + max. 600), CE certification is valid without the installation lugs being fixed into the supporting construction.

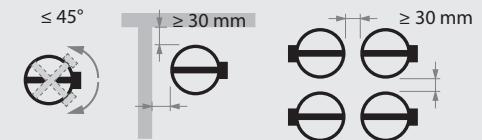
The damper doesn't need to be centred in the opening. The max. distance between the damper and the edge of the opening is 400 mm.



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 rigid supporting construction.
Installation detail with fire batt.

PAGE
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CLASSIFICATION

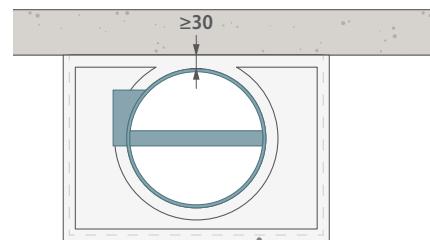
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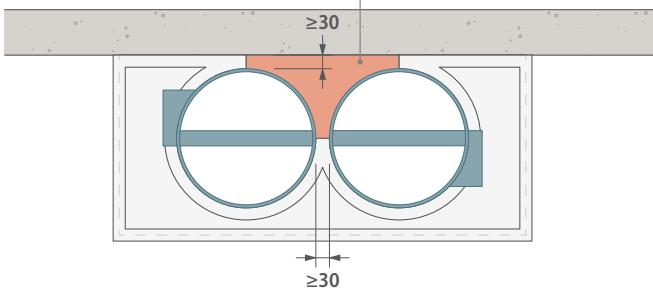
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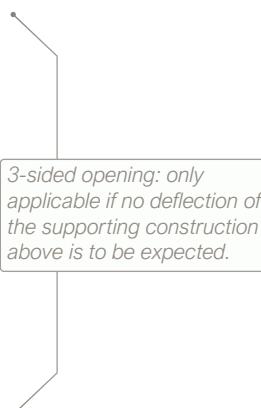
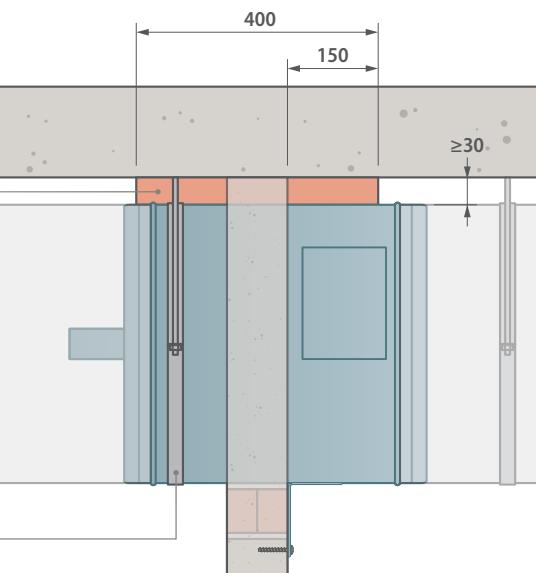
If 1 single damper:
apply 2 layers of fire batt
as shown above.



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.

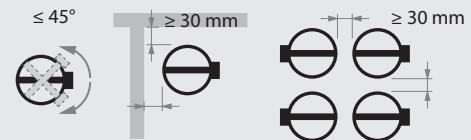
If 2 dampers close to each other:
If distance from damper tunnel to damper tunnel ≥ 30 and
 < 200 mm and if distance from damper tunnels to horizontal
supporting construction ≥ 30 and < 75 mm: apply fire batt (density min. 150kg/m^3) between fire
dampers and horizontal supporting construction over
a 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, 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 rigid supporting construction.
Installation detail with fire batt.

PAGE

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CLASSIFICATION

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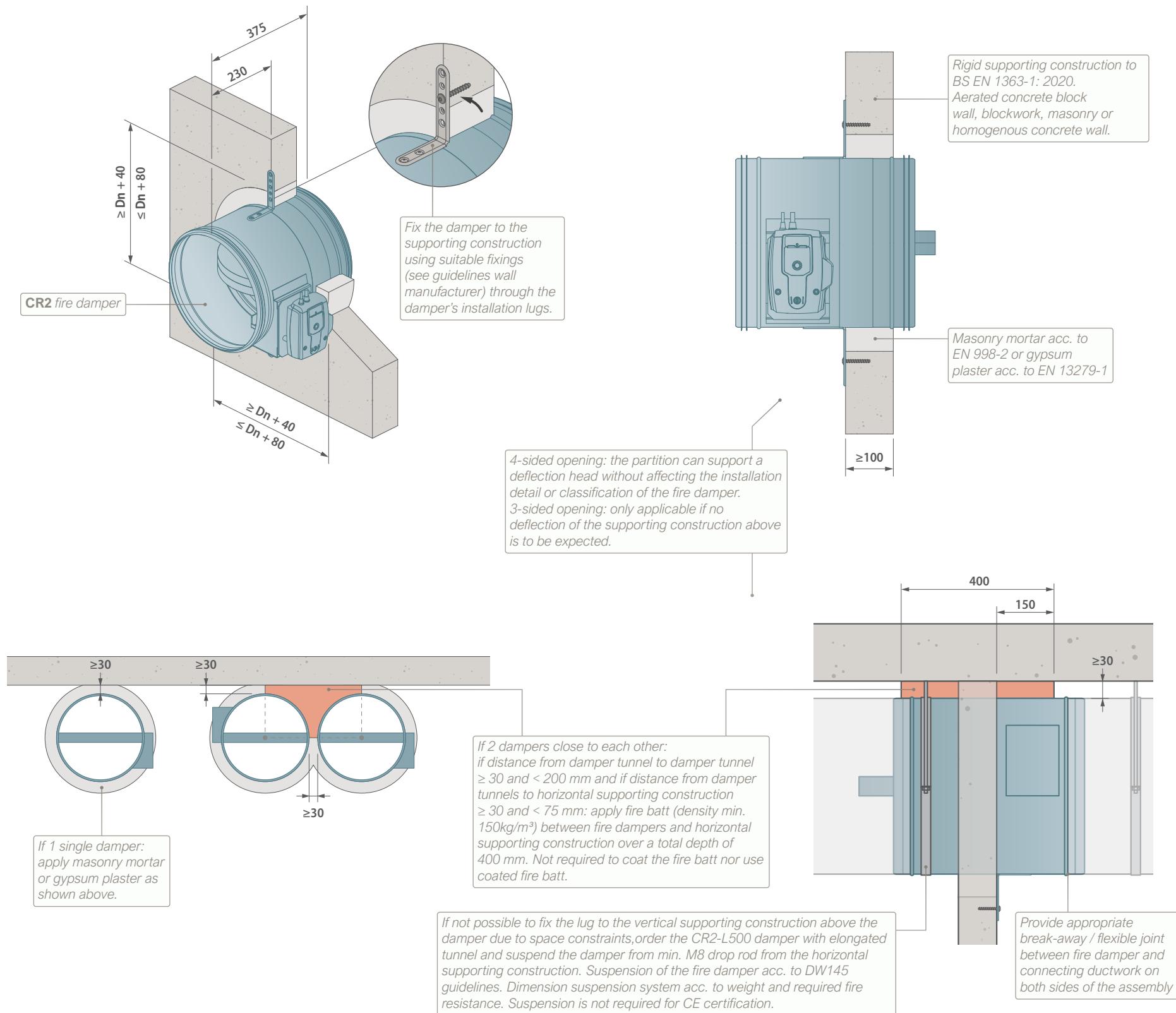


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CR2 FIRE DAMPER



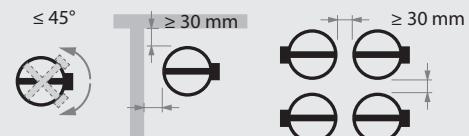
TECHNICAL FEATURES

- 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 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 rigid supporting construction
Installation detail with mortar or gypsum plaster.

PAGE

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