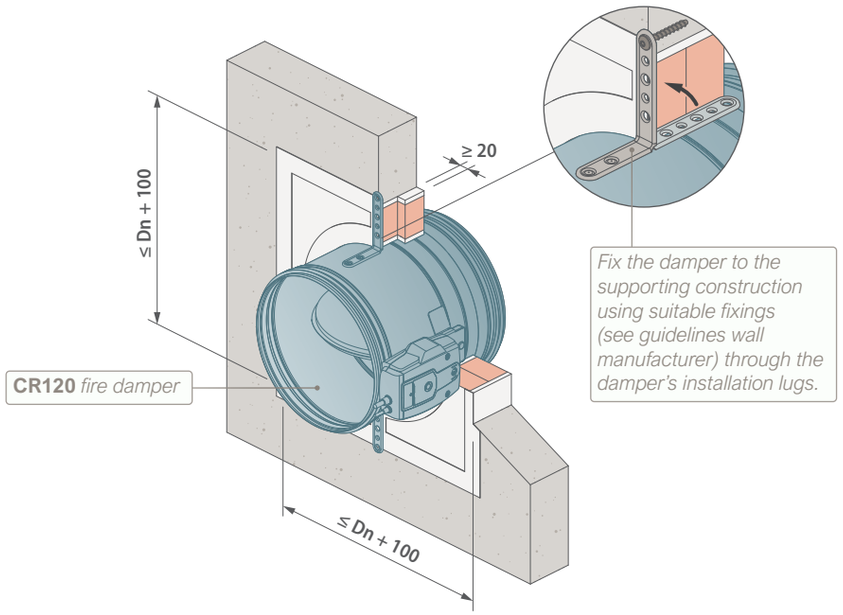
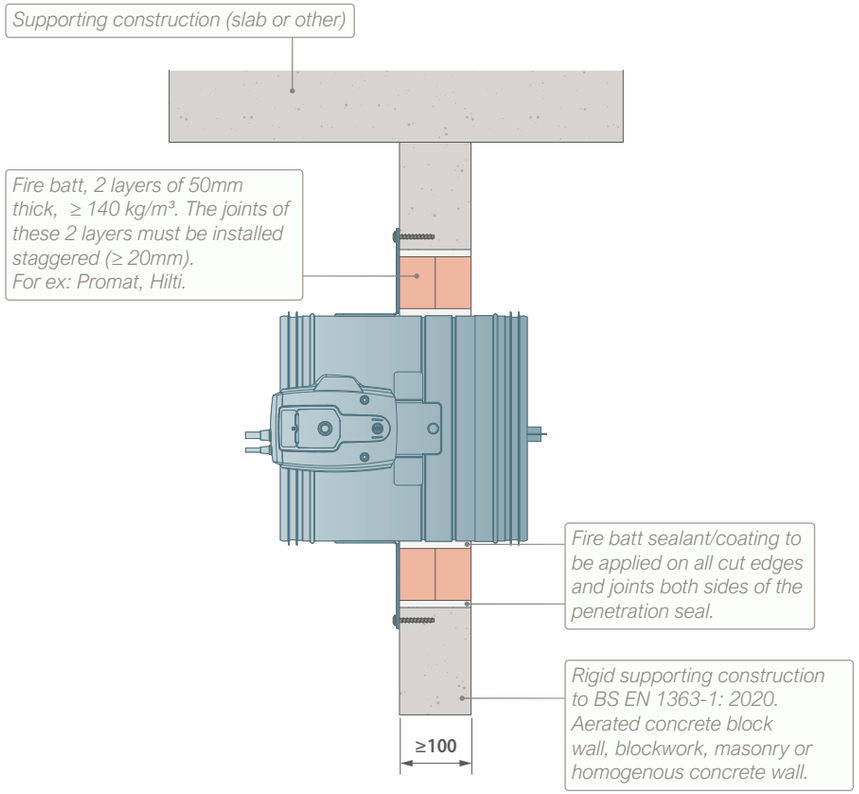
CR120 FIRE DAMPER

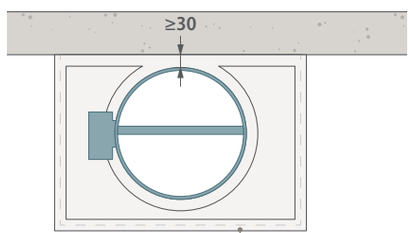


CR120 *fire damper*

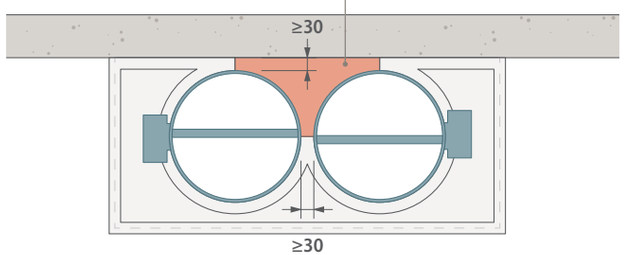
Fix the damper to the supporting construction using suitable fixings (see guidelines wall manufacturer) through the damper's installation lugs.

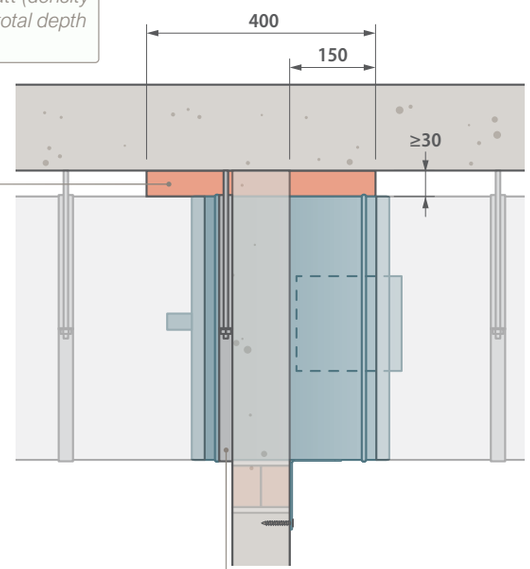


If 2 dampers close to each other:
If distance from damper tunnel to damper tunnel ≥ 30 and < 200 mm and if distance from damper tunnels to horizontal supporting construction ≥ 30 and < 75 mm: apply fire batt (density min. 150kg/m³) between fire dampers and horizontal supporting construction over a total 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.



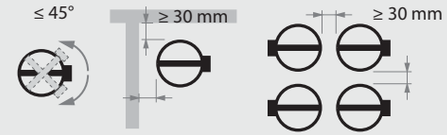


If not possible to fix the lug to the vertical supporting construction above the damper due to space constraints, suspend the damper from min. M8 drop rod from the horizontal supporting construction. Dimension suspension system acc. to weight and required fire resistance.

TECHNICAL FEATURES

- Damper range: ø100 till 315.
- 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
- For larger wall openings. See CR120 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 CR120 Technical Datasheet.



- To be read in conjunction with the CR120 Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
  - 1 installation lug is included by default. A 2nd lug, as shown in the drawings, is 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

CR120 fire damper in rigid supporting construction.
Installation detail with fire batt.

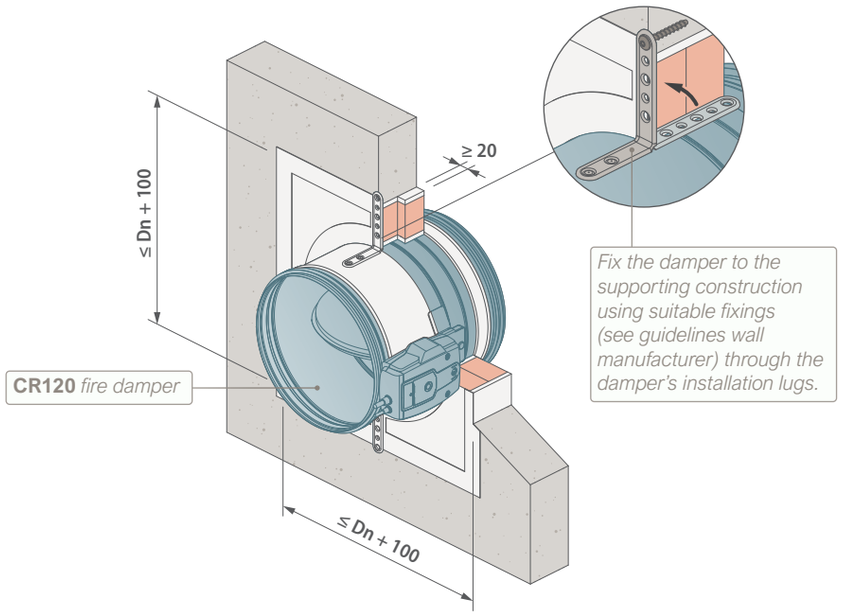
CLASSIFICATION

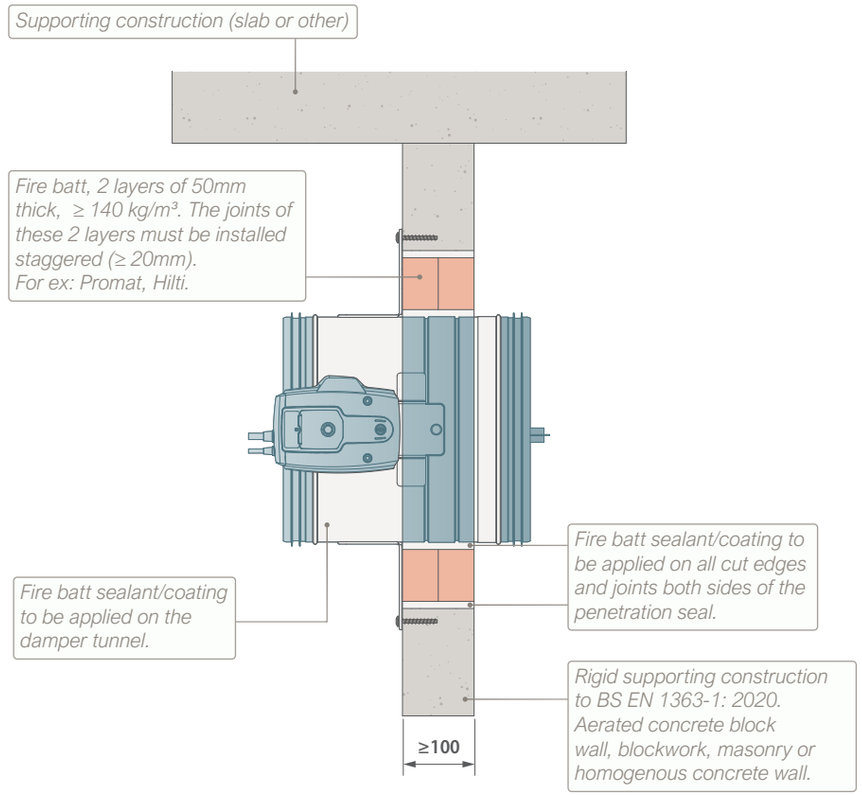
EI 90 (ve i↔o)S

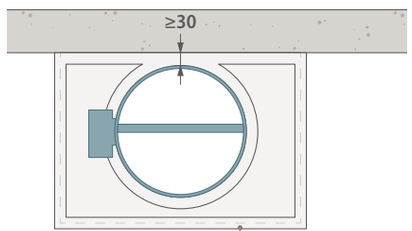
REV	DATE
A	07/11/2023

Rf-t Rf-Technologies

CR120 FIRE DAMPER

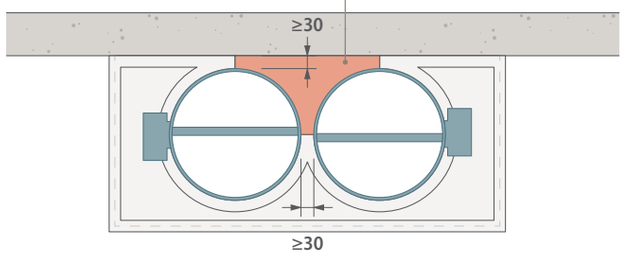


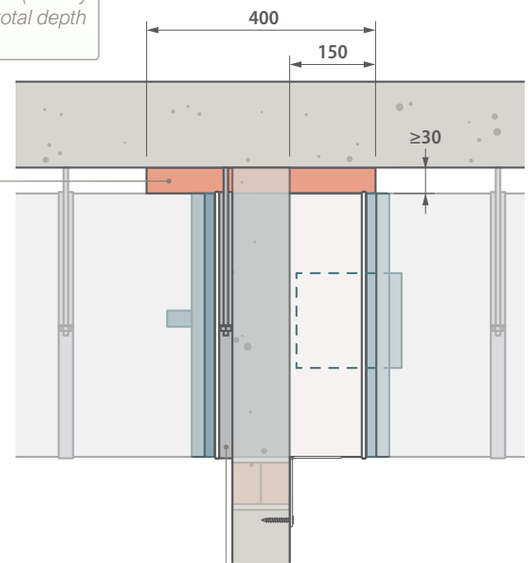




If 1 single damper: apply 2 layers of fire batt as shown above.

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/m³) 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.



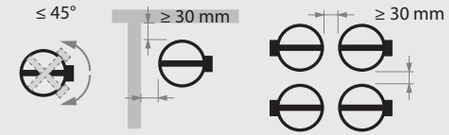


If not possible to fix the lug to the vertical supporting construction above the damper due to space constraints, suspend the damper from min. M8 drop rod from the horizontal supporting construction. Dimension suspension system acc. to weight and required fire resistance.

TECHNICAL FEATURES

- Damper range: ø100 till 315.
- 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
- For larger wall openings. See CR120 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 CR120 Technical Datasheet.



- To be read in conjunction with the CR120 Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
  - 1 installation lug is included by default. A 2nd lug, as shown in the drawings, is 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

CR120 fire damper in rigid supporting construction.
Installation detail with fire batt and coating on the damper tunnel.

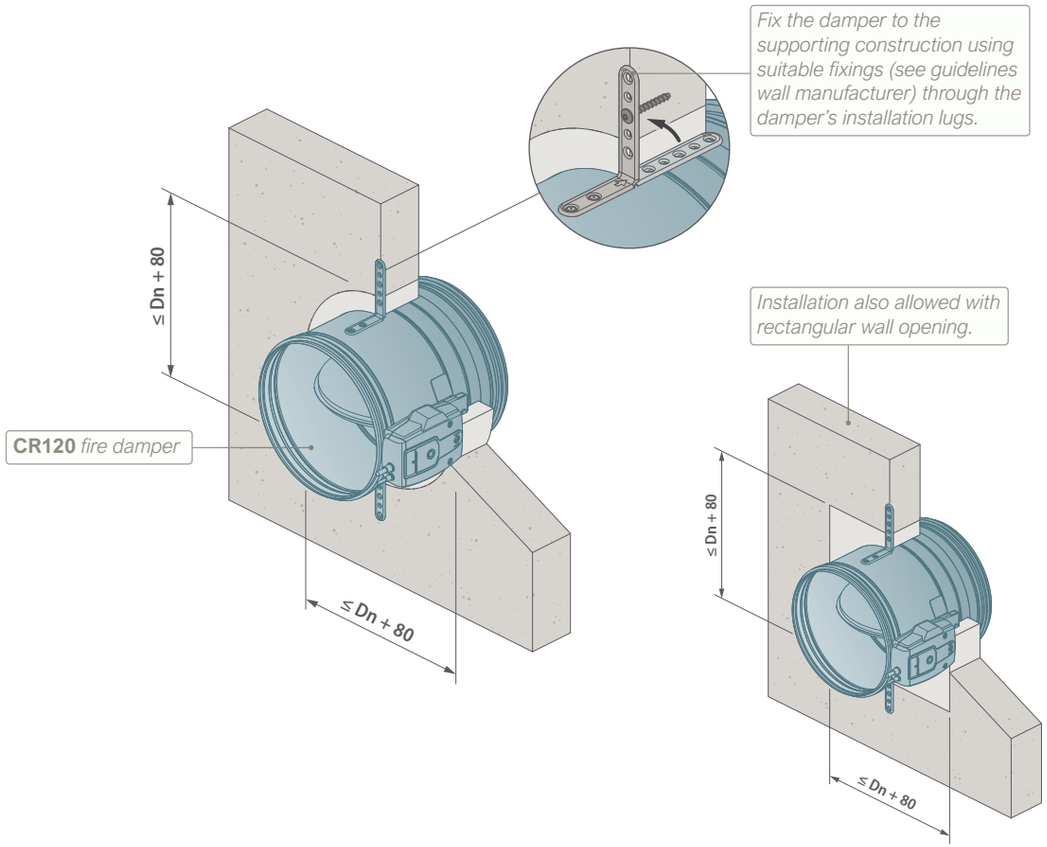
CLASSIFICATION

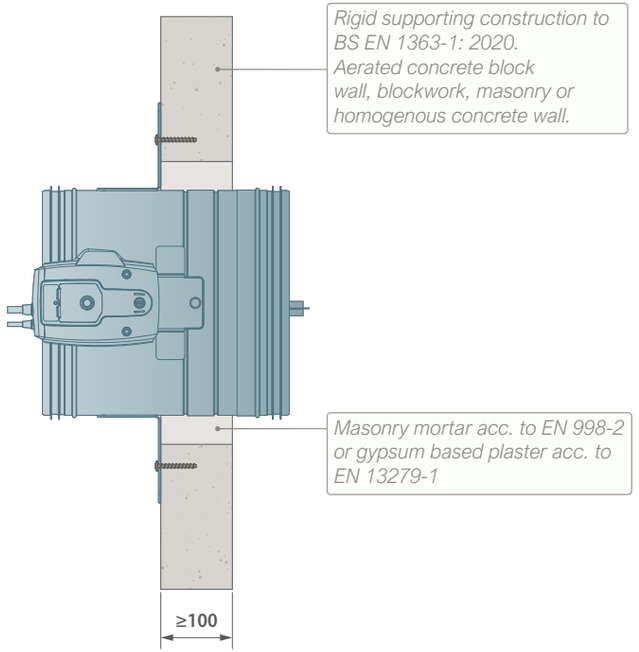
EI 120 (ve i↔o)S

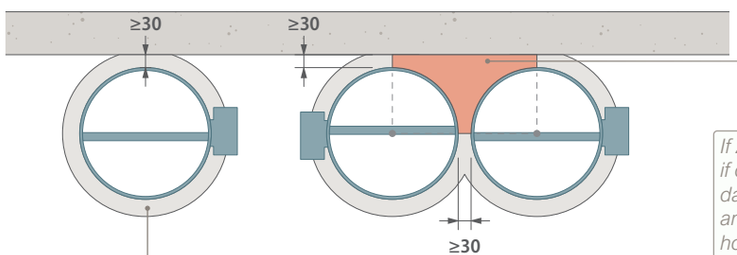
UK CA CE

REV	DATE	
A	07/11/2023	Rf-t Rf-Technologies

CR120 FIRE DAMPER

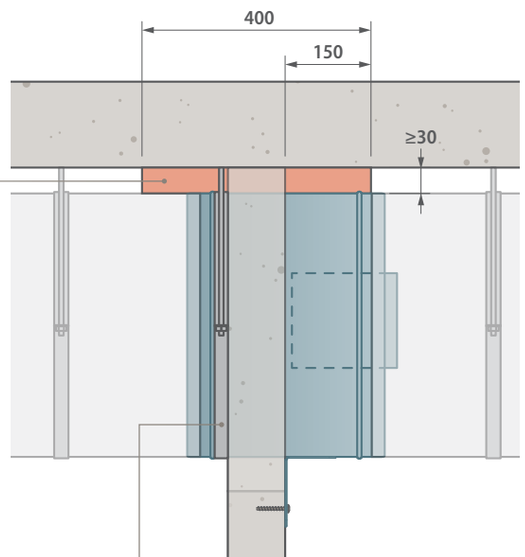






If 1 single damper: apply masonry mortar or gypsum based plaster as shown above.

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/m³) 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.

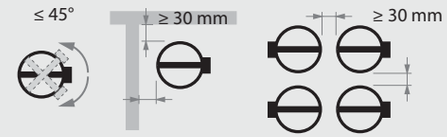


If not possible to fix the lug to the vertical supporting construction above the damper due to space constraints, suspend the damper from min. M8 drop rod from the horizontal supporting construction. Dimension suspension system acc. to weight and required fire resistance.

TECHNICAL FEATURES

- Damper range: ø100 till 315.
- 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).
- 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 CR120 Technical Datasheet.



- To be read in conjunction with the CR120 Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
  - 1 installation lug is included by default. A 2nd lug, as shown in the drawings, is 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

CR120 fire damper in rigid supporting construction
Installation detail with mortar or gypsum based plaster.

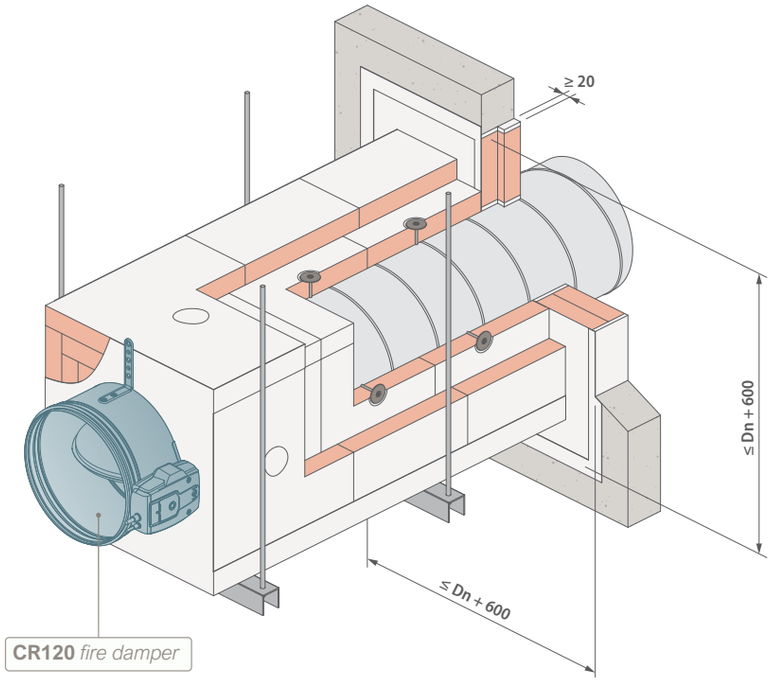
CLASSIFICATION

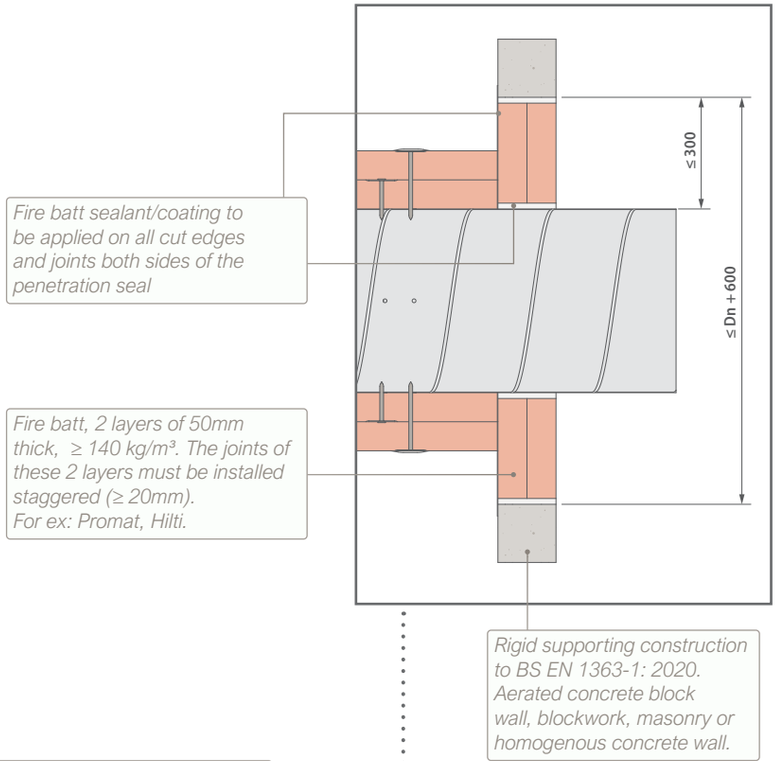
EI 120 (ve i↔o)S

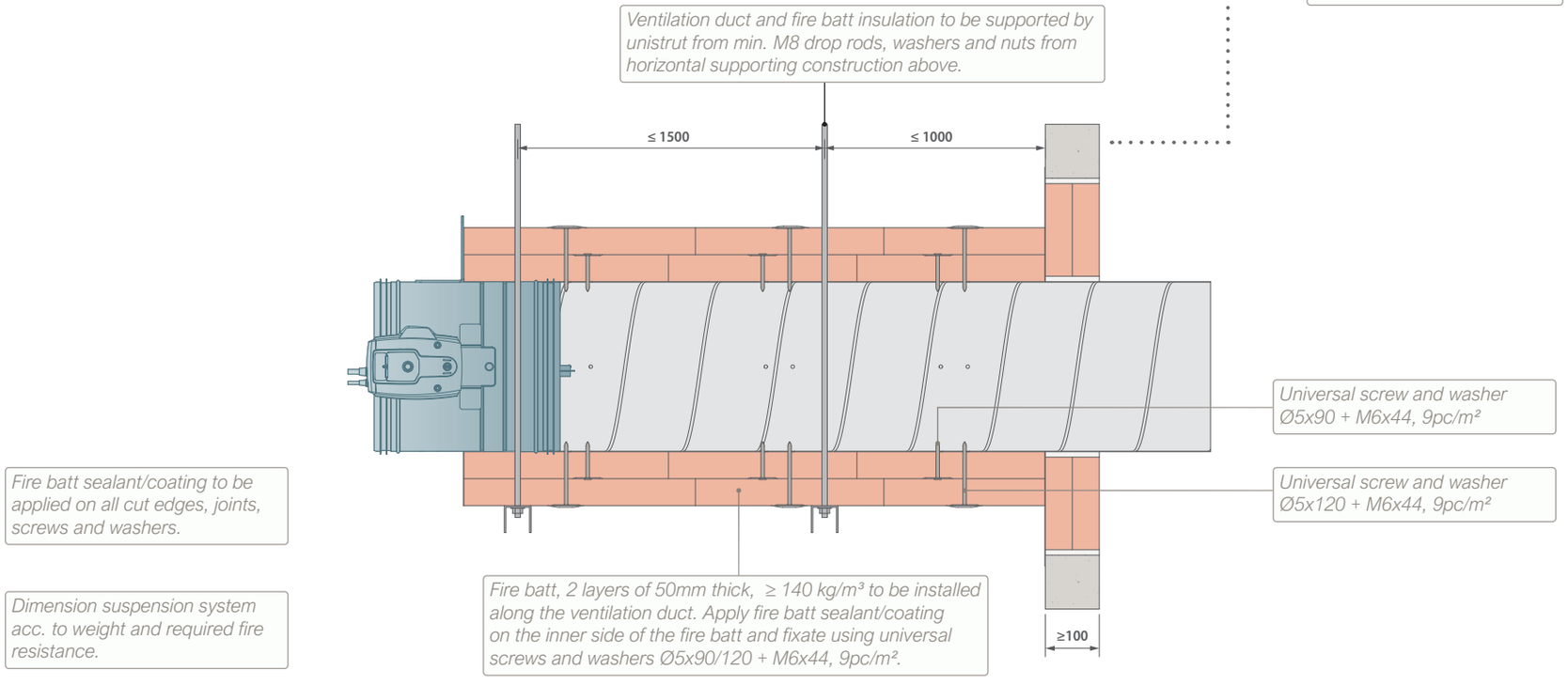
UK CA CE

REV	DATE	
A	07/11/2023	Rf-t Rf-Technologies

CR120 FIRE DAMPER



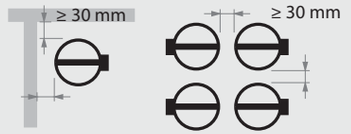




TECHNICAL FEATURES

- Damper range: ø100 till 315.
- Install the damper with the blade in horizontal 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.
- 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. Install with damper blade in horizontal position. See detailed guidelines in the CR120 Technical Datasheet.



- To be read in conjunction with the CR120 Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
  - 1 installation lug is included by default. A 2nd lug, as shown in the drawings, is 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

CR120 fire damper remote from a rigid supporting construction Installation detail with fire batt

CLASSIFICATION

EI 90 (ve i↔o)S

UK CA CE

REV	DATE
A	07/11/2023

Rf-t Rf-Technologies