OPTIMUS 60/60R®

Circular fire damper
EI60S

FIRE SAFETY



CE

UK CA

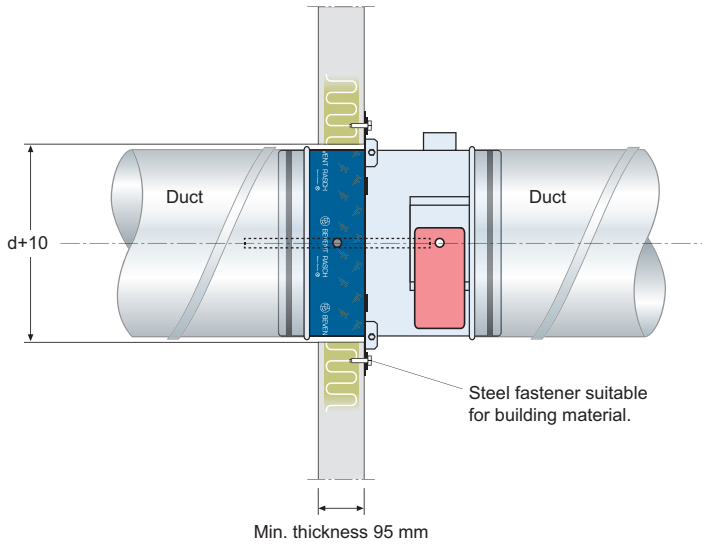
Installation instructions
Operation & Maintenance

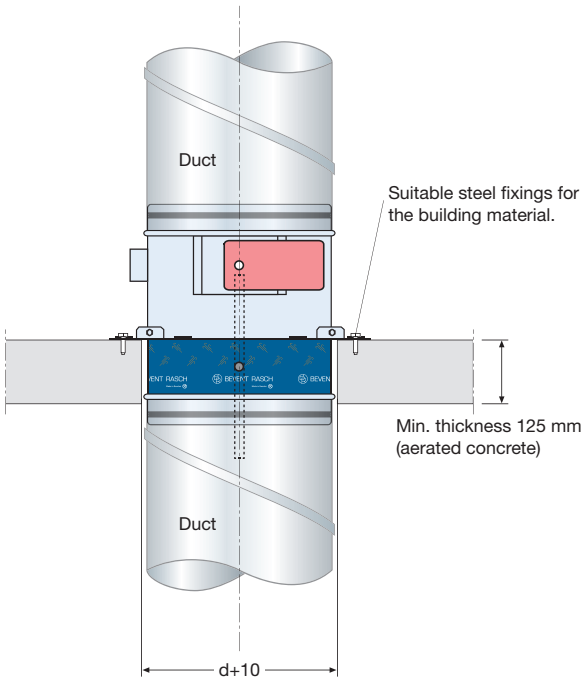
2026-11-16

www.bevent-rasch.se

Installation instructions

Installation in wall, floor or slab
Damper fire resistance class: EI 60 (ve ho) i <–> o [VH] S CMOD.
EC Certificate 0402-CPR-C500380





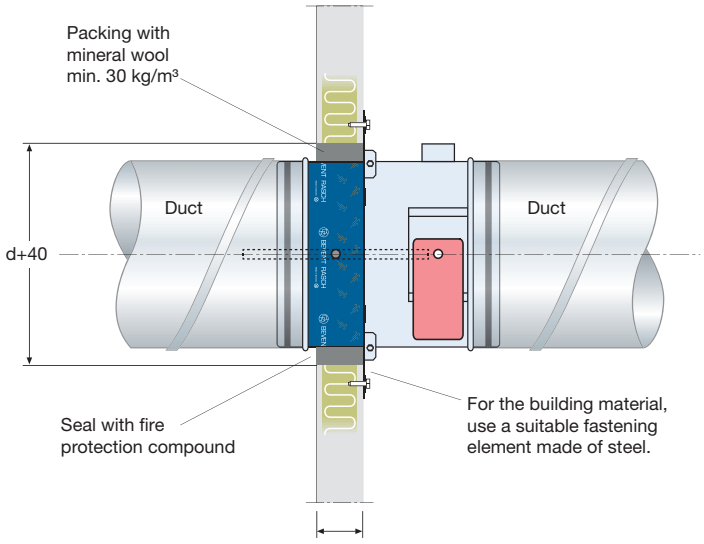
– Installation from one side
– No fire sealant
– No insulation strip
– No refinishing

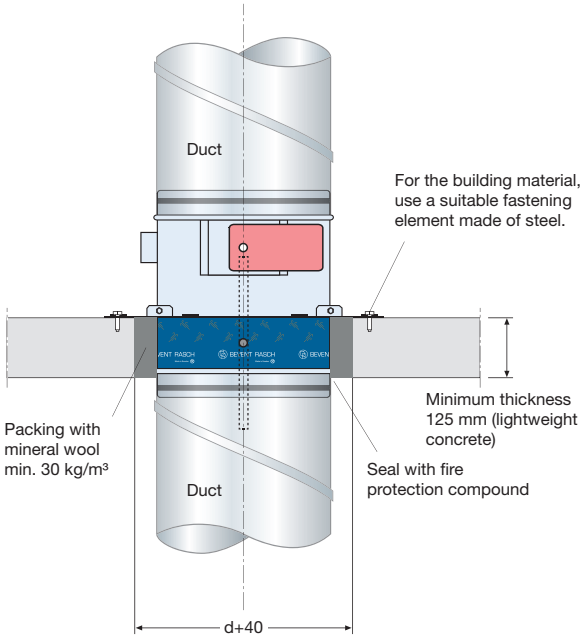
1. Cut an opening for the required size (d + 10 mm).
2. Fix the damper to the duct and secure the mounting flange flush against the building component. Use suitable fasteners for the building material in question. Ensure that the damper's shape is not affected during installation.
3. If required, the damper can be rotated after installation by loosening the screws in the mounting flange. Rotate the damper to the desired position and tighten the screws. The actuator can also be rotated to the desired position.
4. When installing without duct connection, the damper must be fitted with a non-combustible grille. Note that from size Ø250 mm and upwards, the damper blade extends outside the casing in the open position.
5. The duct system shall be suspended according to applicable requirements. Ensure that hangers and the duct system do not interfere with the movement of the damper blade.

- *Damper for installation in walls, floors or slabs.*
- *Minimum distance between dampers shall be 200 mm.*
- *Minimum distance to adjacent construction shall be 75 mm.*
- *Free positioning of the damper shaft.*

Installation instructions with joint packing & finishing

Installation in wall, floor or slab
Damper fire resistance class: EI 60 (ve ho) i <–> o [VH] S CMOD.
EC Certificate 0402-CPR-C500380



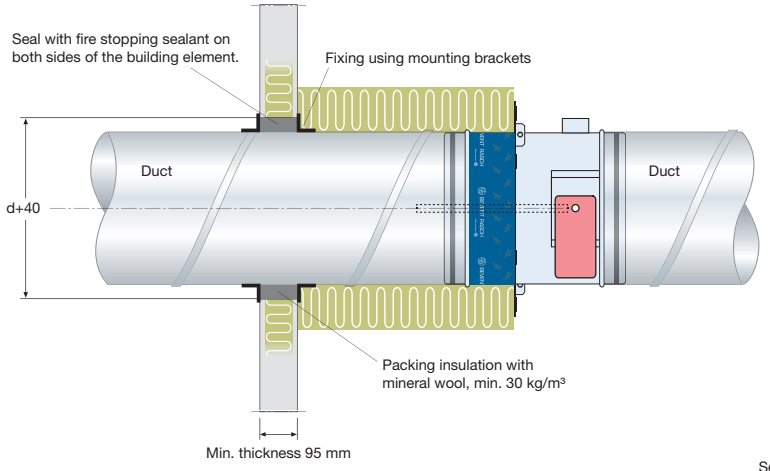


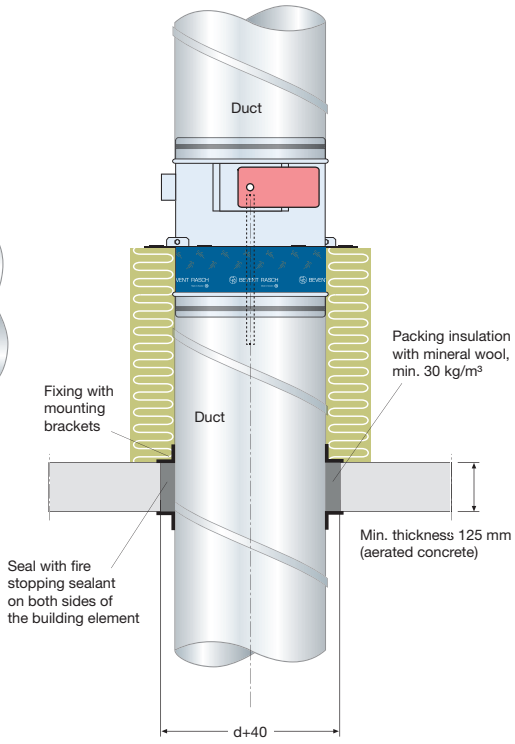
1. Cut an opening for the required size (max. d + 40 mm).
2. Fix the damper to the duct and secure the mounting flange flush against the building component. Use suitable fasteners for the building material in question. Ensure that the damper's shape is not affected during installation.
3. If required, the damper can be rotated after installation by loosening the screws in the mounting flange. Rotate the damper to the desired position and tighten the screws. The actuator can also be rotated to the desired position.
4. Fill the gap between the damper casing and the building component with packing insulation, mineral wool min. 30 kg/m³, and seal with fire protection compound.
5. When installing without duct connection, the damper must be fitted with a non-combustible grille. Note that from size Ø250 mm and upwards, the damper blade extends outside the casing in the open position.
6. The duct system shall be suspended according to applicable requirements. Ensure that hangers and the duct system do not interfere with the movement of the damper blade.

- *Damper for installation in walls, floors or slabs.*
- *Minimum distance between dampers shall be 200 mm.*
- *Minimum distance to adjacent construction shall be 75 mm.*
- *Free positioning of the damper shaft.*

Installation Instructions

Installation in Ductwork
Fire Resistance Classification of the Damper: EI 60 (ve ho) i↔o [VH] S CMOD.
EC Certificate: 0402-CPR-C500380



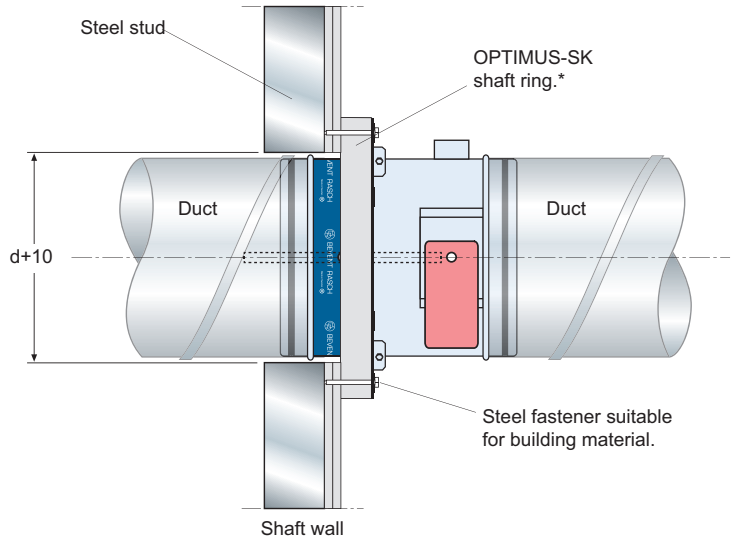


1. Cut an opening of the required size (max. d + 40 mm).
2. Fill the gap between the duct and the building element with packing insulation, mineral wool min. 30 kg/m³. Seal both sides of the building element with a fire stopping sealant. The duct shall be secured with four mounting brackets on each side of the building element.
3. When installed without a duct connection, the damper shall be fitted with a non-combustible grille.
4. Insulate the duct from the building element up to the damper mounting flange using a type-approved insulation system rated EI60 for horizontal ducts and EI120 for vertical ducts, such as Rockwool Conlit Fire Mat or equivalent.
5. The duct system shall be suspended in accordance with applicable requirements. Ensure that hangers and ductwork do not deform the damper or interfere with the movement of the damper blade.

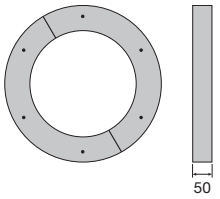
- *Damper for installation in horizontal or vertical duct systems.*
- *Minimum distance between dampers: 200 mm.*
- *Minimum distance to adjacent structures: 75 mm.*
- *Damper shaft may be positioned freely.*

Installation instructions

Installation in shaft wall
Damper fire resistance class: EI 60 (ve ho) i <–> o [VH] S CMOD.
EC Certificate 0402-CPR-C500380



*** Accessory:**
OPTIMUS-SK Shaft ring



– No sealant
– No insulation strip
– No refinishing

1. Cut an opening for the required size (d + 10 mm).
2. Install the accessory Optimus-SK shaft collar between the damper's mounting flange and the wall. Secure the damper with suitable fasteners for the building material in question. Ensure that the damper's shape is not affected during installation.
3. If required, the damper can be rotated after installation by loosening the screws in the mounting flange. Rotate the damper to the desired position and tighten the screws. The actuator can also be rotated to the desired position.
4. When installing without duct connection, the damper must be fitted with a non-combustible grille.
5. The duct system shall be suspended according to applicable requirements. Ensure that hangers and the duct system do not interfere with the movement of the damper blade.

- *Damper for installation in shaft wall.*
- *Minimum distance between dampers shall be 200 mm.*
- *Minimum distance to adjacent construction shall be 75 mm.*
- *Free positioning of the damper shaft.*

Before installation

Do not expose the damper to moisture or dirt. Check that the damper is not damaged.

The building should not be put into operation before the installation is fully commissioned and the relevant dampers, heat and smoke detectors have been function tested.

Periodic maintenance and inspection

The damper is maintenance-free and has inspection holes for internal checks.

Function check

- Check the damper casing to ensure that no external damage or other details prevent the movement of the damper blade.
- Check the mounting screws and fixings of the actuator.
- Verify actuator functionality by cutting the power supply using the test button on the thermal sensor BAT 72°. The damper closes. The damper reopens when power is restored by releasing the button.
- Testing via the control unit is carried out according to the unit's instructions for function testing.

Cleaning

The cleaning requirement corresponds to the requirements placed on the ventilation system or part of the system concerned.

Cleaning shall be carried out as required using a dry cleaning method.

Solvents may damage the fire protection material, seals, and bearings. In case of doubt, contact Bevent Rasch.

After cleaning, check that the damper is functional according to the instructions for function check.

Function test

According to current P-marking requirements, fire dampers shall be automatically function tested every 48 hours, with any malfunction immediately indicated.

Alternatively, the automatic function test can be replaced with a manual, documented function test carried out at least twice per year.

Note that a monitoring system MRB, MRB3, Fenix or equivalent is required for smoke detectors.

MRB, MRB3 and Fenix also include built-in function testing of dampers every 48 hours and automatic fault indication.

Designation



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