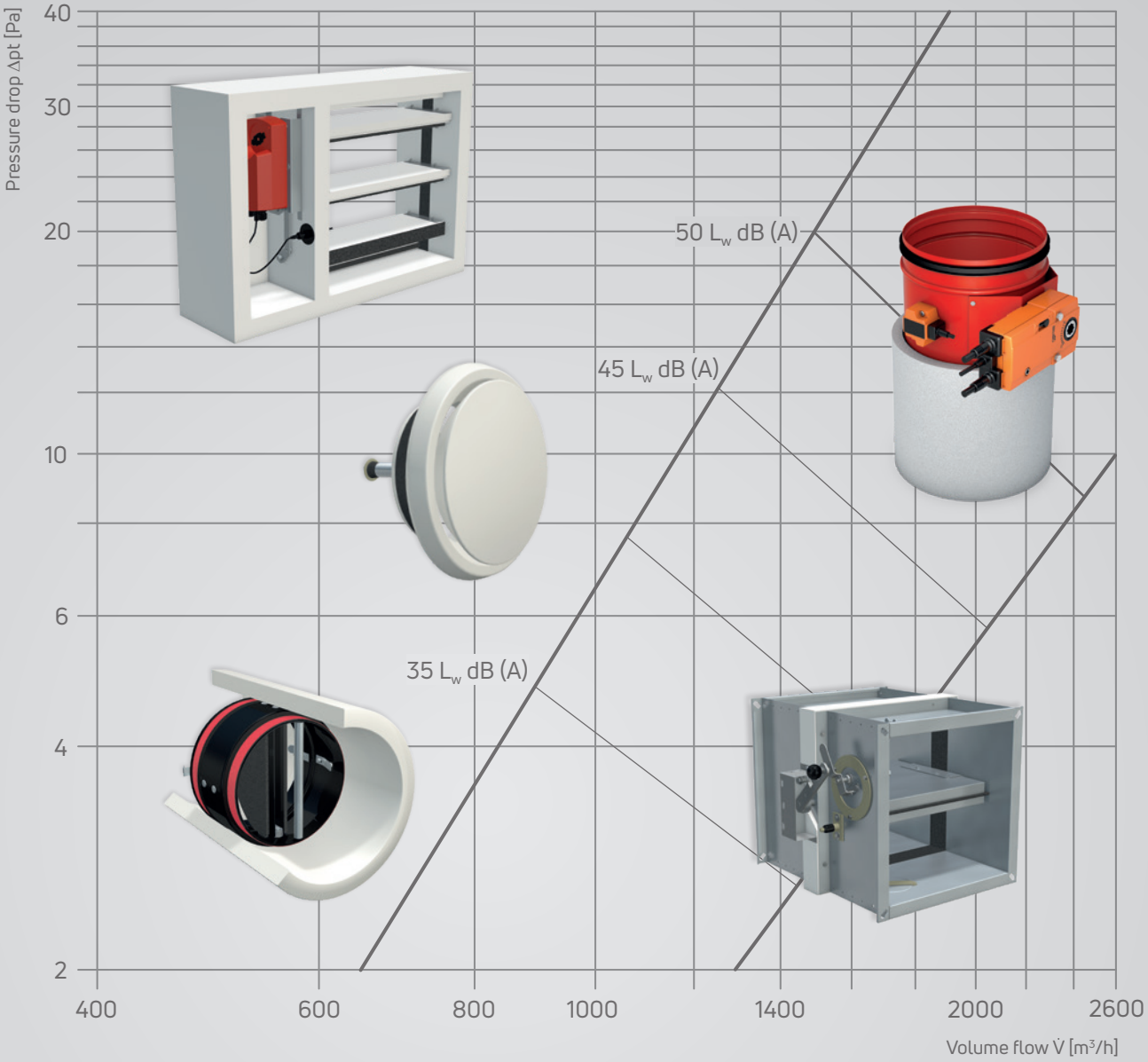
# Fire dampers




# Product overview

## Fire protection

# Table of contents

# Fire dampers with CE marking

# Type BR Fire damper

- Classification in accordance with EN 13501-3
- Available as version with mounting frame: DN 100/125/160/200/250 and 315 mm
- Available as version without mounting frame: DN 100/125/140/150/160/180/200/224/250/280/300 and 315 mm
- Available as version for mounting on the face of a solid wall or floor: DN 100/125/160 and 200 mm
- Declaration of performance DoP 06/13/01d

Type BR with motor

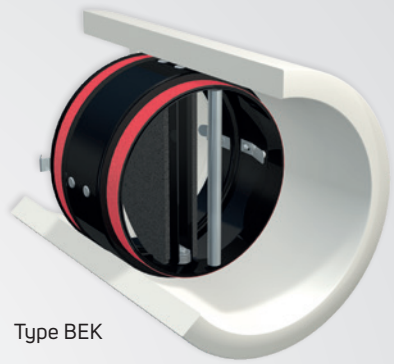
Type BR with manual release

## Fire resistance classification in accordance with EN 13501-3

| Installation options | Version | EI 120 S (300 Pa) | EI 90 S (300 Pa) |
|---|---|---|---|
| In solid walls<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³ (ve i↔o) | BR-ED | DN 100-315 mm | DN 100-315 mm |
| In solid walls<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³ (ve i↔o) | BR-N | DN 100-315 mm | DN 100-315 mm |
| Directly in front of a solid wall<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³ (ve i↔o) | BR-ED-V | DN 100-200 mm | DN 100-200 mm |
| Light partition walls with metal stud and panelling on both sides<br>Minimum thickness 100 mm (ve i↔o) | BR-EW-L | DN 100-315 mm | DN 100-315 mm |
| Light partition walls with metal stud and panelling on both sides<br>Minimum thickness 100 mm (ve i↔o) | BR-N | - | DN 100-315 mm |
| In solid floors<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³ (ho i↔o) | BR-ED | DN 100-315 mm | DN 100-315 mm |
| In solid floors<br>Minimum thickness 150 mm<br>Minimum density 650+/-200 kg /m³ (ho i↔o) | BR-N | - | DN 100-315 mm |
| On the surface above a solid floor<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³ (ho i↔o) | BR-ED-V | DN 100-200 mm | DN 100-200 mm |
| On the surface under a solid floor<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg/m³ (ho i↔o) | BR-ED-V | DN 100-200 mm | DN 100-200 mm |

# Type BEK Fire damper

- Classification in accordance with EN 13501-3
- Low noise
- Available in the following dimensions: DN 100/125/160 and 200 mm
- Declaration of performance DoP/BEK/008



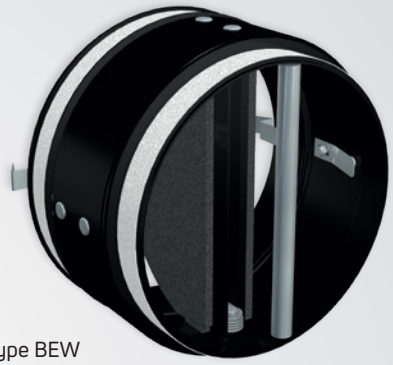
Type BEK

## Fire resistance classification in accordance with EN 13501-3

| Installation options | Version | EI 120 S (300 Pa) | EI 90 S (300 Pa) |
|---|---|---|---|
| **In solid walls**<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ve i↔o) | BEK-ED | DN 100-200 mm | DN 100-200 mm |
| **On the surface of a solid wall**<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ve i↔o) | BEK-V | DN 100-200 mm | DN 100-200 mm |
| **Light partition walls with metal stud and boards on both sides**<br>Minimum thickness 100 mm (ve i↔o) | BEK-EW-L | - | DN 100-200 mm |
| **Shaft walls with studs and boards on one side only**<br>**Minimum thickness 115 mm**<br>(C-profile 75 mm / planking 40 mm)<br>(ve i↔o) | BEK-ED-40 | - | DN 100-200 mm |
| **In solid floors**<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ho i↔o) | BEK-ED | DN 100-200 mm | DN 100-200 mm |
| **On the surface above a solid floor**<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ho i↔o) | BEK-V | DN 100-200 mm | DN 100-200 mm |
| **On the surface under a solid floor**<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg/m³<br>(ho i↔o) | BEK-V | DN 100-200 mm | DN 100-200 mm |

# Type BEW Fire damper

- Classification in accordance with EN 13501-3
- Low noise
- Available in the following dimensions:
  DN 80/100/125/160 and 200 mm
- Declaration of performance DoP/BEW/001



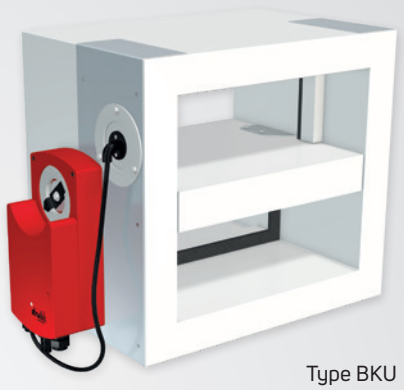
Type BEW

## Fire resistance classification in accordance with EN 13501-3

| Installation options | EI 120 S (300 Pa) | EI 90 S (300 Pa) |
|---|---|---|
| **In solid walls**<br>**Normal concrete/brickwork**<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ve i↔o) | DN 80-125 mm | DN 80-125 mm |
| **In solid walls**<br>**Masonry**<br>Minimum thickness 150 mm<br>Minimum density 2200+/-200 kg /m³<br>(ve i↔o) | – | DN 80-200 mm |
| **In solid walls**<br>**Cellular concrete**<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ve i↔o) | DN 80-125 mm | DN 80-125 mm |
| **In solid walls**<br>**Cellular concrete**<br>Minimum thickness 150 mm<br>Minimum density 650+/-200 kg /m³<br>(ve i↔o) | - | DN 80-200 mm |
| **Light partition walls with metal stud and panelling on both sides**<br>Minimum thickness 100 mm<br>(ve i↔o) | - | DN 80-125 mm |
| **C-profile stud shaft walls with boards on one side only**<br>**Minimum thickness of borads 40 mm**<br>plus doublings<br>(ve i↔o) | - | DN 80-125 mm |
| **In solid floors**<br>**Minimum thickness 100 mm**<br>Minimum density 650+/-200 kg /m³<br>(ho i↔o) | DN 80-200 mm | DN 80-200 mm |

# Type BKU Fire damper

- Classification in accordance with EN 13501-3 to EI 120 S depending on installation situation
- Suitable for installation in and directly on the surface of solid walls, on the surface above a solid floor, on the surface below a solid floor and in lightweight partition walls
- Declaration of performance 06/13/11d



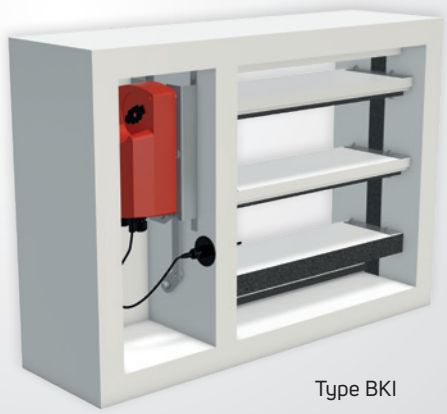
Type BKU

## Fire resistance classification in accordance with EN 13501-3

| Installation options | EI 120 S (300 Pa) | EI 90 S (300 Pa) |
|---|---|---|
| **In solid walls - normal concrete/brickwork**<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ve i↔o) | 200 x 200 mm -<br>1500 x 800 mm | 200 x 200 mm -<br>1500 x 800 mm |
| **In solid walls - cellular concrete**<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ve i↔o) | 200 x 200 mm -<br>1500 x 800 mm | 200 x 200 mm -<br>1500 x 800 mm |
| **Light partition walls with metal studs and boards on both sides**<br>Minimum thickness 100 mm<br>(ve i↔o) | 200 x 200 mm -<br>1500 x 800 mm | 200 x 200 mm -<br>1500 x 800 mm |
| **On the surface of a solid wall - normal concrete/brickwork**<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ve i↔o) | - | 200 x 200 mm -<br>1500 x 800 mm |
| **On the surface of a solid wall - cellular concrete**<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ve i↔o) | - | 200 x 200 mm -<br>1500 x 800 mm |
| **On the surface above a solid floor - normal concrete**<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ho i↔o) | - | 200 x 200 mm -<br>1500 x 800 mm |
| **On the surface above a solid floor - cellular concrete**<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ho i↔o) | - | 200 x 200 mm -<br>1500 x 800 mm |
| **On the surface below a solid floor - normal concrete**<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ho i↔o) | - | 200 x 200 mm -<br>1500 x 800 mm |
| **On the surface below a solid floor - cellular concrete**<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ho i↔o) | - | 200 x 200 mm -<br>1500 x 800 mm |

# Type BKI Fire damper

- Classification in accordance with EN 13501-3 to EI 120 S depending on installation situation
- Suitable for installation in and on the surface of solid walls and in light partition walls
- Declaration of performance 06/13/13c



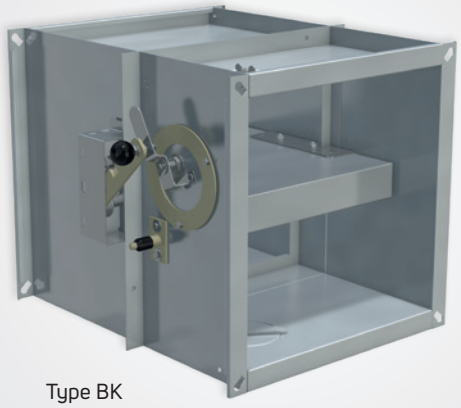
Type BKI

## Fire resistance classification in accordance with EN 13501-3

| Installation options | EI 120 S (300 Pa) | EI 90 S (300 Pa) |
|---|---|---|
| In solid walls<br>Normal concrete/brickwork<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ve i↔o) | 200 x 340 mm -<br>1000 x 1000 mm | 200 x 340 mm -<br>1000 x 1000 mm |
| In solid walls<br>Cellular concrete<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ve i↔o) | 200 x 340 mm -<br>1000 x 1000 mm | 200 x 340 mm -<br>1000 x 1000 mm |
| Light partition walls with metal stud and boards on both sides<br>Minimum thickness 100 mm<br>(ve i↔o) | 200 x 340 mm -<br>1000 x 1000 mm | 200 x 340 mm -<br>1000 x 1000 mm |
| On the surface of a solid wall<br>Normal concrete/brickwork<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ve i↔o) | - | 200 x 340 mm -<br>1000 x 1000 mm |
| On the surface of a solid wall<br>Cellular concrete<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ve i↔o) | - | 200 x 340 mm -<br>1000 x 1000 mm |

# Type BK Fire damper

- Fire protection tested in accordance with EN 1366-2
- Classification in accordance with EN 13501-3
- Installation in solid walls and lightweight partition walls
- Declaration of performance 06/13/10c



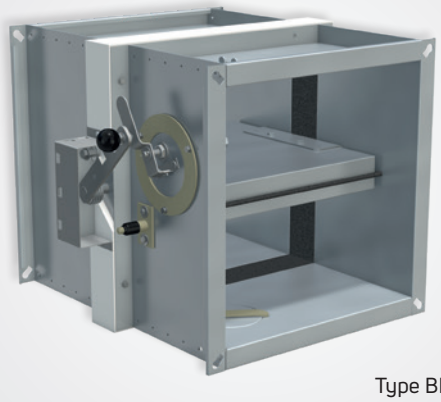
Type BK

## Fire resistance classification in accordance with EN 13501-3

| Installation options | EI 90 S (300 Pa) |
|---|---|
| In solid walls<br>Normal concrete/brickwork<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ve i↔o) | 200 x 200 mm - 1500 x 800 mm |
| In solid walls<br>Cellular concrete<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ve i↔o) | 200 x 200 mm - 1500 x 800 mm |
| Light partition walls with metal stud and boards on both sides<br>Minimum thickness 100 mm<br>(ve i↔o) | 200 x 200 mm - 1500 x 800 mm |

# Type BKS-2 Fire damper

- Fire damper without blade stops, acoustically and aerodynamically optimised
- Fire protection tested in accordance with EN 1366-2
- Classification in accordance with EN 13501-3 to EI 120 S depending on installation situation
- Declaration of performance DoP/BKS2/003



Type BKS-2

## Fire resistance classification in accordance with EN 13501-3

| Installation options | EI 120 S (300 Pa) | EI 90 S (300 Pa) |
|---|---|---|
| In solid walls<br>Normal concrete/brickwork<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ve i↔o) | 200 x 200 mm -<br>1500 x 800 mm | 200 x 200 mm -<br>1500 x 800 mm |
| In solid walls<br>Cellular concrete<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ve i↔o) | 200 x 200 mm -<br>1500 x 800 mm | 200 x 200 mm -<br>1500 x 800 mm |
| Light partition walls with metal stud and boards on both sides<br>Minimum thickness 100 mm<br>(ve i↔o) | 200 x 200 mm -<br>1500 x 800 mm | 200 x 200 mm -<br>1500 x 800 mm |
| In solid floors<br>Normal concrete<br>Minimum thickness 100 mm<br>Minimum density 2200 kg /m³<br>(ho i↔o) | - | 200 x 200 mm -<br>1500 x 800 mm |
| In solid floors<br>Cellular concrete<br>Minimum thickness 100 mm<br>Minimum density 650 kg /m³<br>(ho i↔o) | - | 200 x 200 mm -<br>1500 x 800 mm |

# Type BTZ-2 Fire protection cone valve

- Classification in accordance with EN 13501-3 to EI 120 S depending on installation situation
- Fully adjustable
- Available in the following dimensions: DN 100/125/160 and 200 mm
- Declaration of performance DoP/BTZ2/005
- Note: Additional applications covered by General Technical Approvals for installation in solid walls and ceilings, lightweight partition walls, independently classified suspended ceilings, shaft walls and L90 air ducts can be found from page 27 onwards in the fire prevention brochure or on our website (Independnet assessment, not CE marked)

Type BTZ-2

## Fire resistance classification in accordance with EN 13501-3

| Installation options | EI 120 S (300 Pa) | EI 90 S (300 Pa) |
|---|---|---|
| In solid walls<br>Normal concrete/brickwork<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ve o→i) | - | DN 100-200 mm |
| In solid walls<br>Cellular concrete<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ve o→i) | - | DN 100-200 mm |
| Light partition walls with metal stud and boards on both sides<br>Minimum thickness 100 mm<br>(ve o→i) | DN 100-200 mm | DN 100-200 mm |
| In solid floors<br>Normal concrete<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ho o→i) | - | DN 100-200 mm |
| In solid floors<br>Cellular concrete<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ho o→i) | - | DN 100-200 mm |

# Type BCF-2 Fire protection cone valve

- Classification in accordance with EN 13501-3 to EI 120 S depending on installation situation
- Continuously adjustable
- Available in the following dimensions: DN 100/125/160 and 200 mm
- Declaration of performance DoP/BCF2/005
- Note: Additional applications covered by General Technical Approvals for installation in solid walls and ceilings, lightweight partition walls, independently classified suspended ceilings, shaft walls and L90 air ducts can be found from page 27 onwards in the fire prevention brochure or on our website (Independnet assessment, not CE marked)

Type BCF-2

## Fire resistance classification in accordance with EN 13501-3

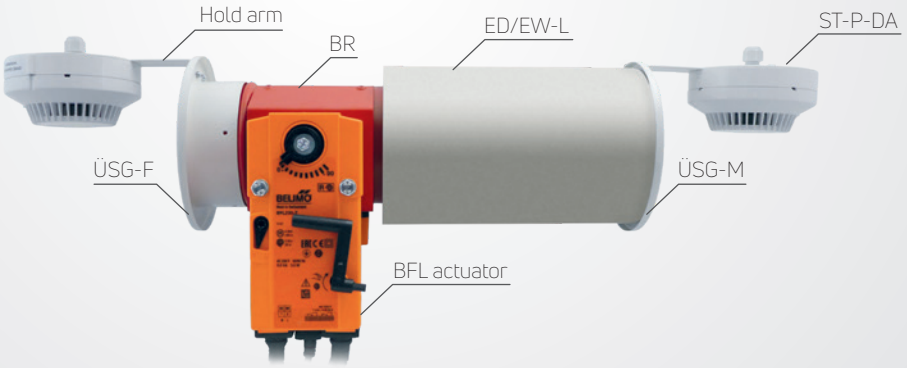
| Installation options | EI 120 S (300 Pa) | EI 90 S (300 Pa) |
|---|---|---|
| In solid walls<br>Normal concrete/brickwork<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ve o→i) | DN 100-200 mm | DN 100-200 mm |
| In solid walls<br>Cellular concrete<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ve o→i) | DN 100-200 mm | DN 100-200 mm |
| Light partition walls with metal stud and boards on both sides<br>Mindeststärke 100 mm<br>(ve o→i) | DN 100-200 mm | DN 100-200 mm |
| In solid floors<br>Normal concrete<br>Minimum thickness 100 mm<br>Minimum density 2200+/-200 kg /m³<br>(ho o→i) | DN 100-200 mm | DN 100-200 mm |
| In solid floors<br>Cellular concrete<br>Minimum thickness 100 mm<br>Minimum density 650+/-200 kg /m³<br>(ho o→i) | DN 100-200 mm | DN 100-200 mm |

# Fire-resistant closure solutions with General Technical Approvals

# Type BR-Ü Fire resistant closure

- Advantage: very small round fire damper
- Suitable for installation in and directly on the surface of solid walls made of masonry or concrete as well as in light partition walls
- Available in the following dimensions: DN 100 / 125 / 160 / 200 / 250 and 315 mm
- General technical approval: Z-6.50-2084

Type BR-Ü

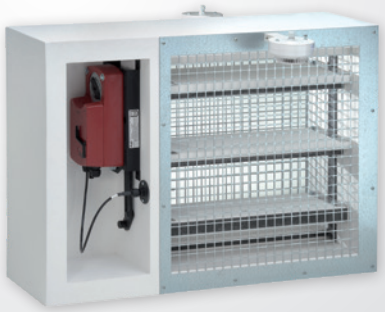



SM-Ü 230

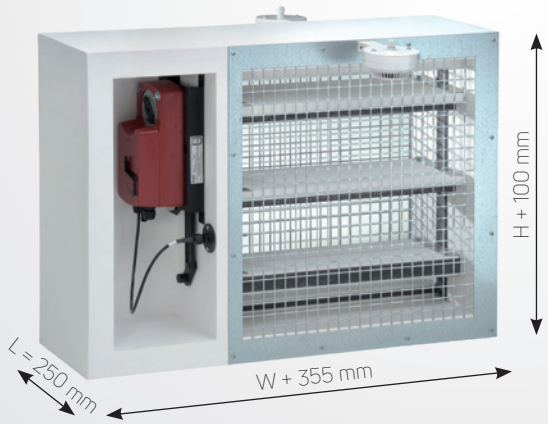
Identification plate

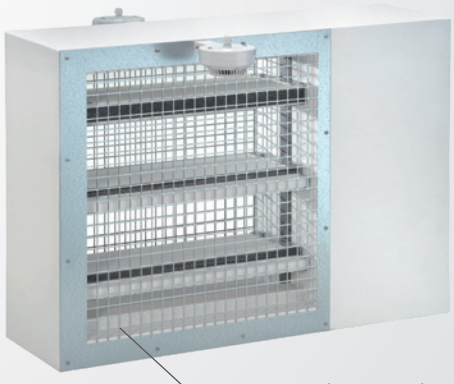
# Type BKI-Ü Fire resistant closure

- Advantage: flush mounting installation in solid walls
- Suitable for installation in and directly on the surface of solid walls made of masonry or concrete as well as in light partition walls
- Available in the following dimensions:
  Width (B): ≥ 200 mm to ≤ 1000 mm
  Height (H): 340 mm to 1000 mm
  Housing length (L): 250 mm
- General technical approval: Z-6.50-2083



Type BKI-Ü



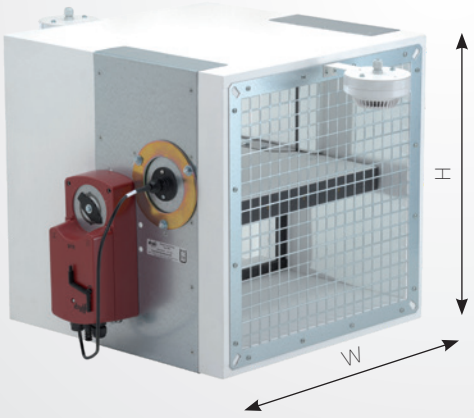

SM-Ü 230

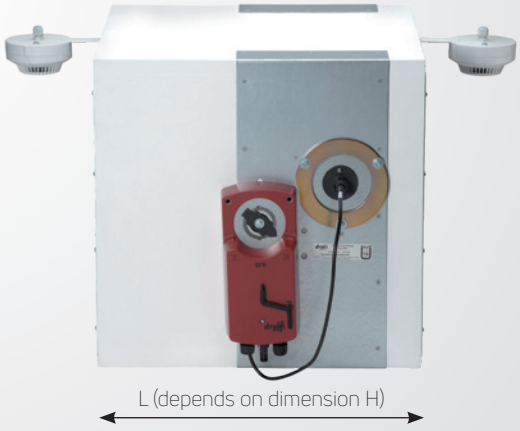
Identification plate

# Fire resistant closure type BKU-Ü

- Suitable for installation in and directly on the surface of solid walls made of masonry or concrete as well as in light partition walls
- Available in the following dimensions:
  Width (W): ≥ 200 mm to ≤ 1500 mm
  Height (H): ≥ 200 mm to ≤ 800 mm
  Housing length (L): ≥ 400 mm to ≤ 900 mm
  (Housing length depends on dimension H)
- General technical approval: Z-6.50-2093

Type BKU-Ü



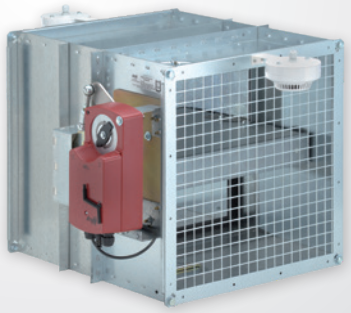




SM-Ü 230

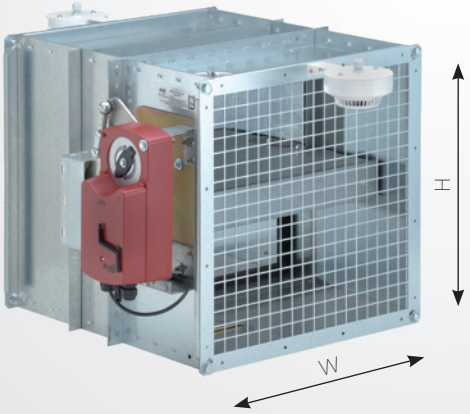

Identification plate

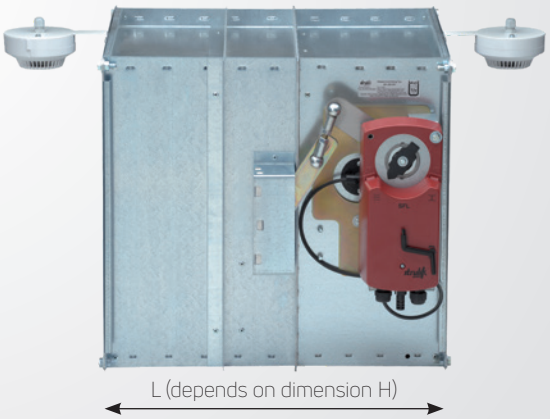
# Fire resistant closure type BK-326-Ü

- Suitable for installation in solid masonry or concrete walls as well as in lightweight partition walls
- Available in the following dimensions:
  Width (W): ≥ 200 mm to ≤ 1500 mm
  Height (H): ≥ 200 mm to ≤ 800 mm
  Housing length (L): ≥ 375 mm to ≤ 900 mm
  (Housing length depends on dimension H)
- General technical approval: Z-6.50-2092



Type BK-326-Ü



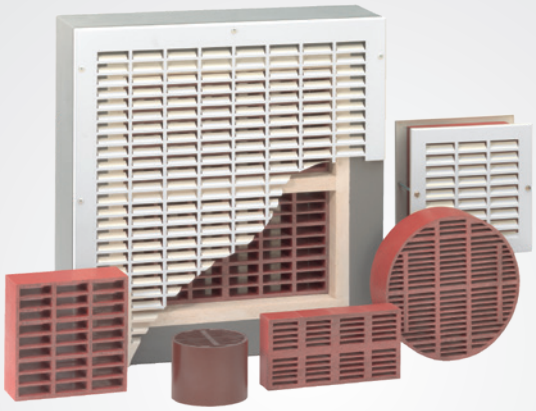

SM-Ü 230


Identification plate

# Intumescent grilles with general technical approvals

# Type PX-G intumescent grille

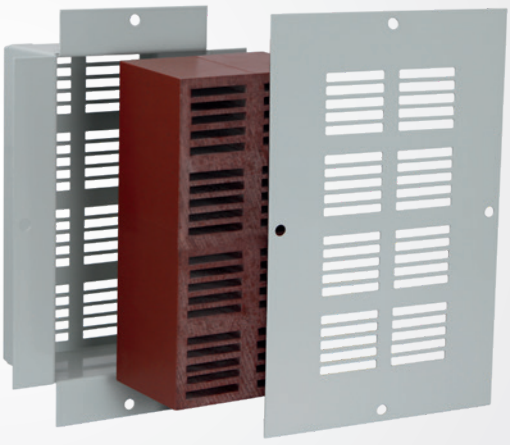
- Fire resistance class: F30 - F120 to DIN 4102 Part 2
  1 hour Integrity to BS 476 Part 20
- No moving parts
- Easy cleaning
- Simple installation
- Very good aerodynamic properties, openings parallel to the air flow - compensation of turbulences
- Resistant to high humidity and most corrosive/ industrial air conditions
- Installation in the fire protective housings for fire resistant switch cabinets for installation any room with the exception of the stairwell.
- General technical approval: Z-19.18-1648



PX-G

# Type PX-G Ventilation Module - Example application - ventilation for Disused Chimneys

- Ventilation module with sheet steel housing and cover grille for installation for ventilation of disused chimneys
- Dimension: W = 96 mm, H = 188 mm
  Accessories: Screws and dowels
- Manufacturer: Strulik
  Type: PX-G-Sch
- General technical approval: Z-19.18-1648



Front grille with mounting frame

# Fire shut-off devices in accordance with DIN 18017 with general technical approvals

# Type BSE Shut-off device

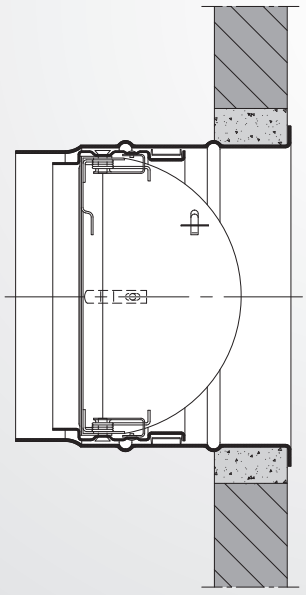
- General technical approval: Z-41.3-332
- Resistance class: K90-18017
- Available in the following dimensions:
  DN 80 (only insert in spiral ducts)
  DN 100/125/160 and 200 mm

Type BSE

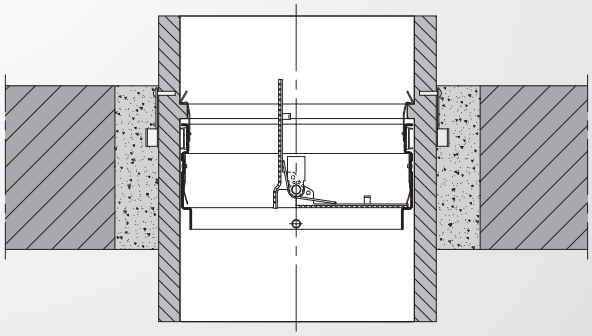
## Features & Benefits

Strulik type BSE shut-off devices have a 90 minute resistance class K90-18017. The shut-off devices can be mounted in walls and ceilings. No special fixings are required (simply insert into the duct), which is both time saving and economic.

These shut-off devices may be used in ventilation systems in accordance with DIN 18017-3 for supply and return air, in and outside F90/F30 shaft partitions, in association with L90/L30 classified or system-tested ducts (with or without mortar - wet or dry installation). The Shut-off devices may be used in domestic kitchens. Fume extraction hoods (without their own fans), which are components of central ventilation systems in accordance with DIN 18017-3, may be fitted with these shut-off devices.



Type BSE-W



Type BSE-D

# Type WBE Shut-off device with tight air seal

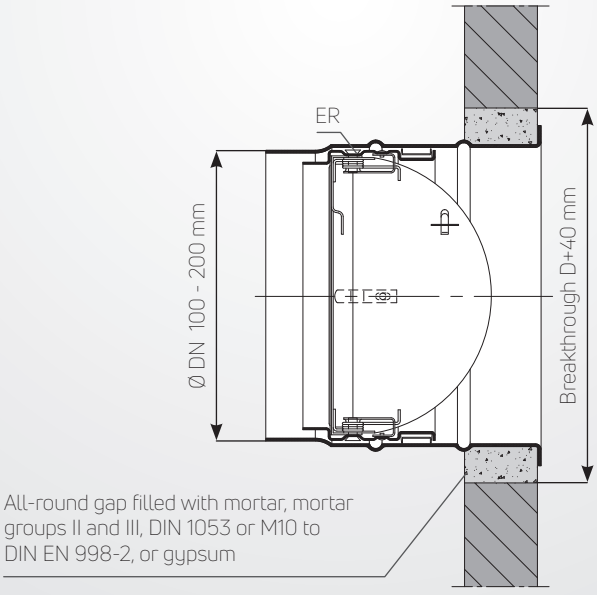
- Tight air seal capability
- Resistance class: K90-18017
- Available in the following dimensions: DN 100/125/160 and 200 mm

Type WBE

## Features & Benefits

The type WBE have a 90 minute resistance class K90-18017. The shut-off devices can be mounted in walls. No special fixings are required (simply insert into the duct), which is both time saving and economic.

These shut-off devices may be used in ventilation systems in accordance with DIN 18017-3 for supply and return air, in and outside F90/F30 shaft partitions, in association with L90/L30 classified or system-tested ducts (with or without mortar - wet or dry installation). The Shut-off devices may be used in domestic kitchens. Fume extraction hoods (without their own fans), which are components of central ventilation systems in accordance with DIN 18017-3, may be fitted with these shut-off devices.



# Type WBV and type WBZ Shut-off devices with air tight seal

- General technical approvals:
  Type WBV: Z-41.3-561
  Type WBZ: Z-41.3-572
- Resistance class: K90-18017
- Available in the following dimensions:
  DN 100/125/160 and 200 mm

Type WBV (exhaust air)

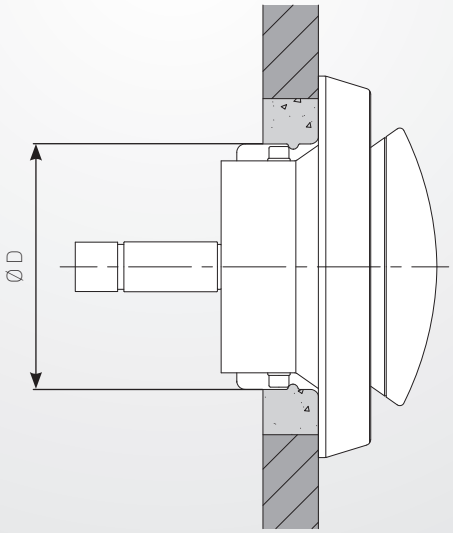
Type WBZ (supply air)

## Features & Benefits

The Strulik type WBV and WBZ shut-off devices have a tight air seal. They cleverly combine the function of a fully adjustable exhaust air or supply cone air valve with a 90 minute fire resistance class K90-18017.

The shut-off devices can be installed in single- or multi-layer board ventilation shafts made of mineral building materials and with a minimum wall thickness of 24 mm.

## Installation in fire resistant shaft wall or duct



# Type BSV and type BZV Shut-off devices with fusible link

- General technical approvals:
  Type BSV: Z-41.3-606
  Type BZV: Z-41.3-343
- Resistance class: K90-18017
- Available in the following dimensions:
  DN 100/125/160 and 200 mm

Type BSV (exhaust air)

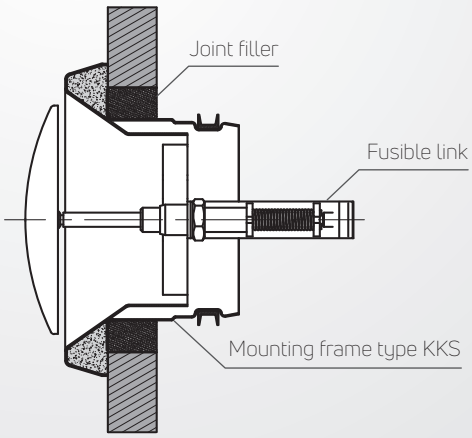
Type BZV (supply air)

## Features & Benefits

The Strulik type BSV and BZV shut-off devices have a tight air seal. They cleverly combine the function of a fully adjustable exhaust air or supply cone air valve with a 90 minute fire resistance class K90-18017. The shut-off devices can be installed in single- or multi-layer board ventilation shafts made of mineral building materials and with a minimum wall thickness of 24 mm.

## Safety

Strulik type BSV shut-off devices have been subjected to a large number of test series in Germany and other countries.



# Fire protected extract ventilation system HS 1-1 S 25

- General technical approval: Z-41.6-626
- Resistance class: K90-18017 S

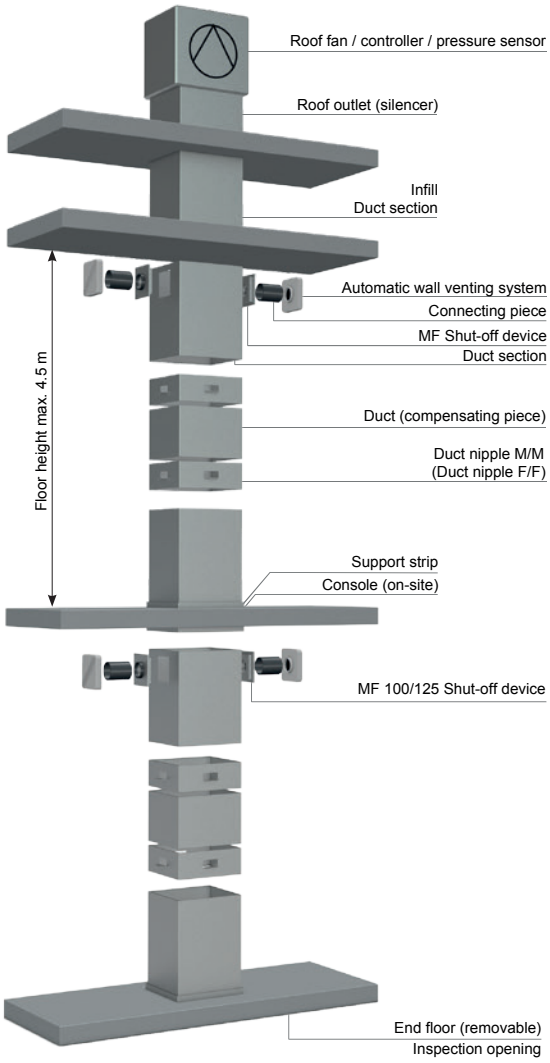
## Features & Benefits

The HS 1-1 S 25 fire protected extract ventilation system is a combination of duct made of calcium silicate and an MF 100/125 shut-off device. This system may be used for the ventilation of apartments up to a cross-section of 1000 cm$^2$ in accordance with DIN 18017. The floor height must not exceed 4.5 m. Additional cladding is not required for fire protection. It is possible to connect the cables in the roof area using fire resistant cables (L30 or L90 depending on requirements). If an insulation is used for fire and sound, a conventional sheetmetal duct can be used.

The openings for the shut-off devices are made to suit the existing conditions on site. Several shut-off devices may be installed in the same branch, if the rooms to be connected are in the same apartment.

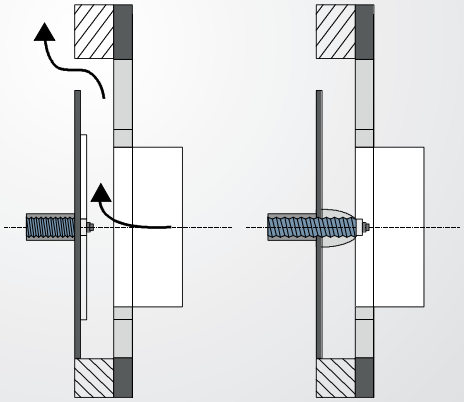
## Acoustics

When using an HS 1-1 S 25 system, in conjunction with the MF shut-off device, the sound insulation requirements for building construction according to DIN 4109 for false ceilings, Rw = 54 dB, are met.



# Type MF 100 and type MF 125 Shut-off devices with tight air seal

- General technical approval: Z-41.3-301
- Resistance class: K90-18017 S
- Available in the following dimensions: DN 100 and 125 mm



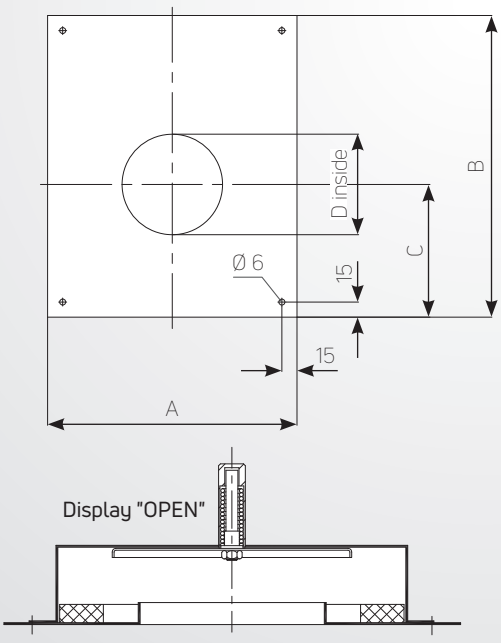
Type MF - Operating status (open)

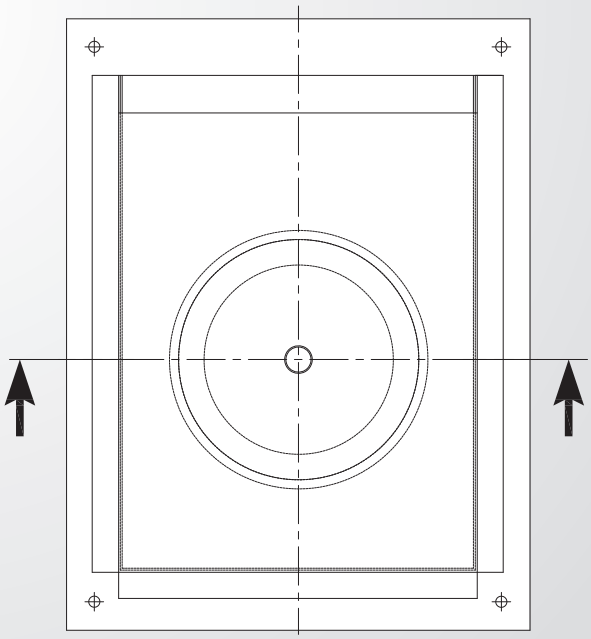
Type MF - triggered in case of fire (closed)

## Features & Benefits

In the event of a fire, a memory spring presses and locks the metal plate to cover the opening of the connection pipe.

| DN | D | A | B | C |
|---|---|---|---|---|
| 100 | 100 | 248 | 300 | 132 |
| 125 | 125 | 248 | 300 | 132 |



Shut-off devices for installation in independently fire resisitance classified suspended ceilings (F30/F90) as well as being in accordance with DIN 4102, supported by general technical approval

# Type BCF-K90 Shut-off device

- Installation in independently fire resistant classified suspended ceilings
- General technical approval: Z-41.3-331
- Resistance class: K90U / K30U
- Available in the following dimensions: DN 125/160 and 200 mm

Type BCF-K90

## Features & Benefits

Strulik type BCF-K90 shut-off devices cleverly combine the function of a fully adjustable exhaust or supply cone air valve with a 90/30 minute fire resistance class of K90U and K30U.

The shut-off device is installed directly in the structure to be protected. The fire protection is intrinsically provided by the cone valve.

No special fixings are required, which is both time saving and economic.

Strulik shut-off devices can even be retrofitted into ventilation systems to allow compliance with the fire rsisitance regulations.

### The type BCF-K90 shut-off device can be used in:

- F90 and F30 slab ceilings, in screwed and filled design with general technical approvals
- Metal panel ceilings F30 with abP
- Owakustik-DUO-F30 inlaid tile ceilings with general technical approvals

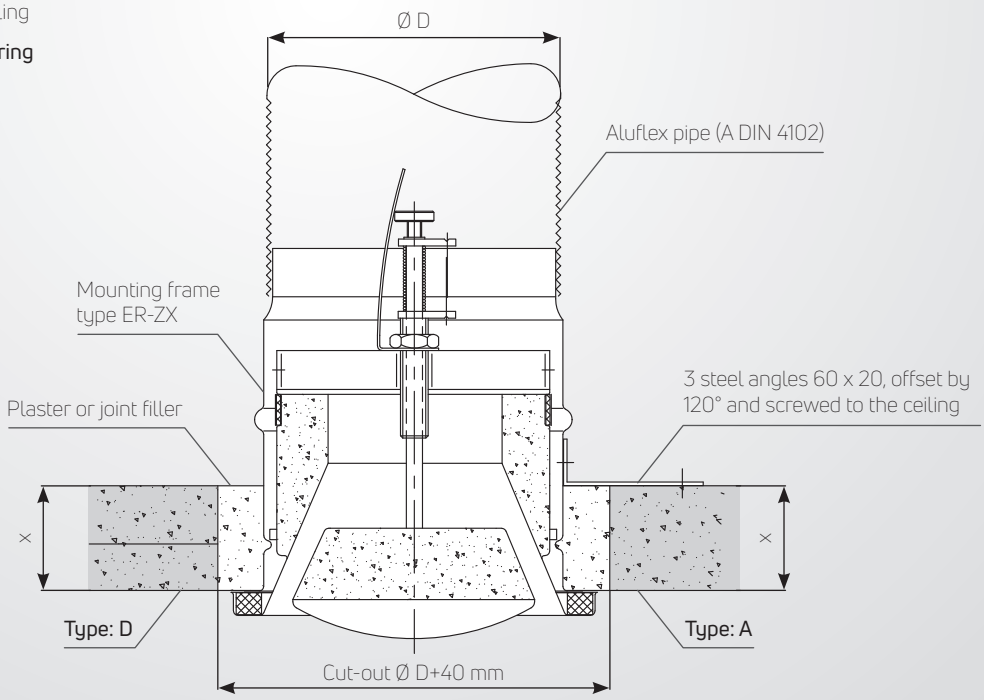
## Installation in fire-resistant false ceilings F30

As ceiling F30, screwed and filled, type: D, or as inserted ceiling, type: A

x = according to the required slab thickness of the ceiling

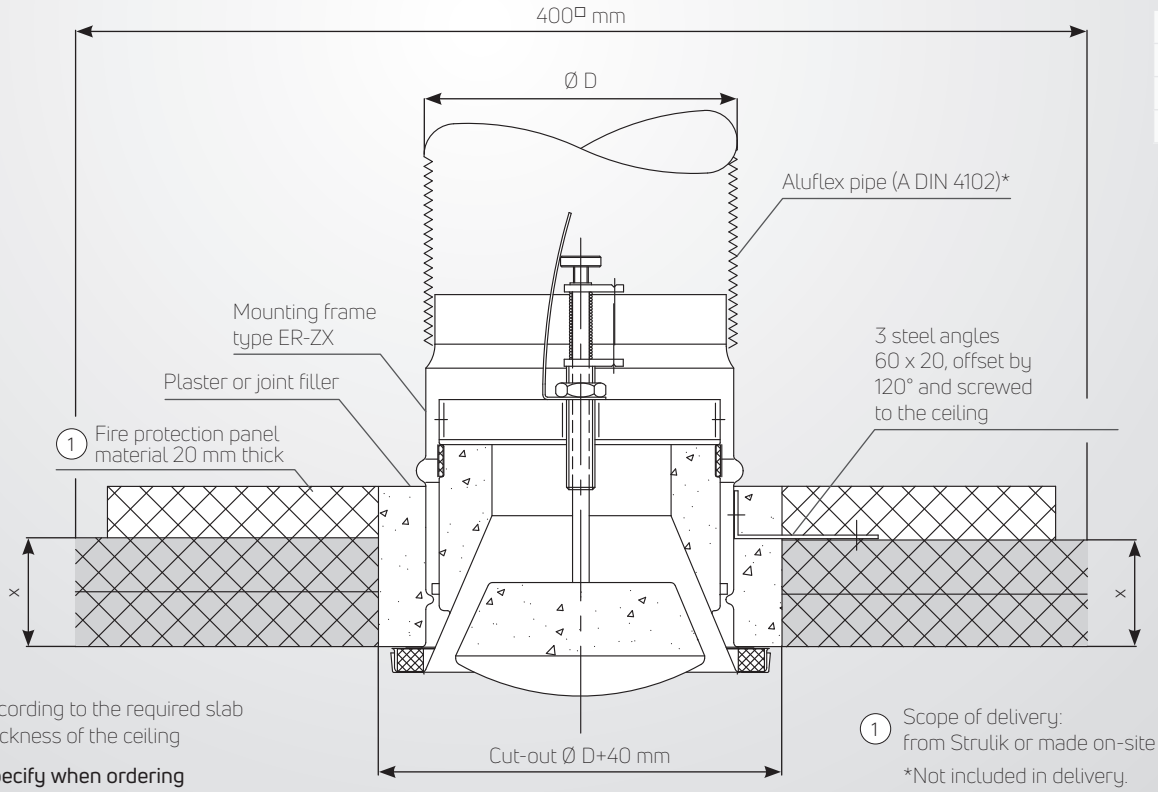
**Specify when ordering**

| Ø D |
|---|
| 125 |
| 160 |
| 200 |




## Installation in fire-resistant false ceilings F90

| Ø D |
|---|
| 125 |
| 160 |
| 200 |




x = according to the required slab thickness of the ceiling

**Specify when ordering**

1 Scope of delivery: from Strulik or made on-site

*Not included in delivery.

# Type BTZ-2-K90 Shut-off device

- Installation in independent classified suspended ceilings and special installations with general technical approvals
- General technical approval: Z-41.3-549
- Resistance class: K90U/K30U to DIN 4102 Part 2
- Available in the following dimensions: DN 100/125/160 and 200 mm

Type BTZ-2-K90

## Features & Benefits

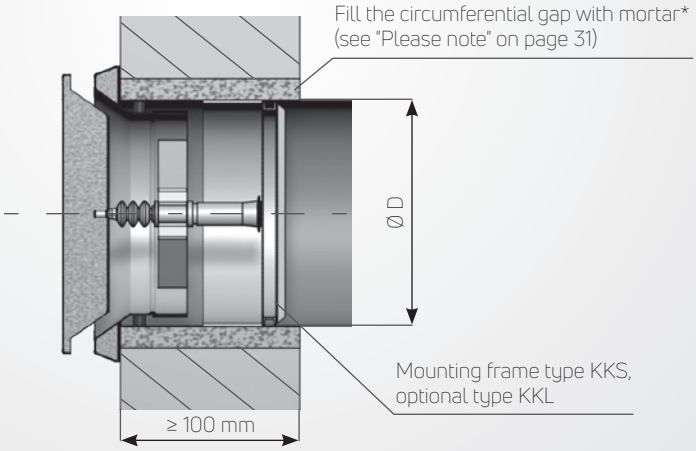
Strulik type BTZ-2-K90 shut-off devices cleverly combine the function of a fully adjustable exhaust or supply cone air valve with a 90 minute fire resistance class of K90.

The shut-off device is installed directly in the structure to be protected. The fire protection is intrinsically provided by the cone valve. No special fixings are required, which is both time saving and economic. Strulik shut-off devices can even be retrofitted into ventilation systems to allow compliance with the fire rsisitance regulations.

### The type BTZ-2-K90 shut-off device can be used in:

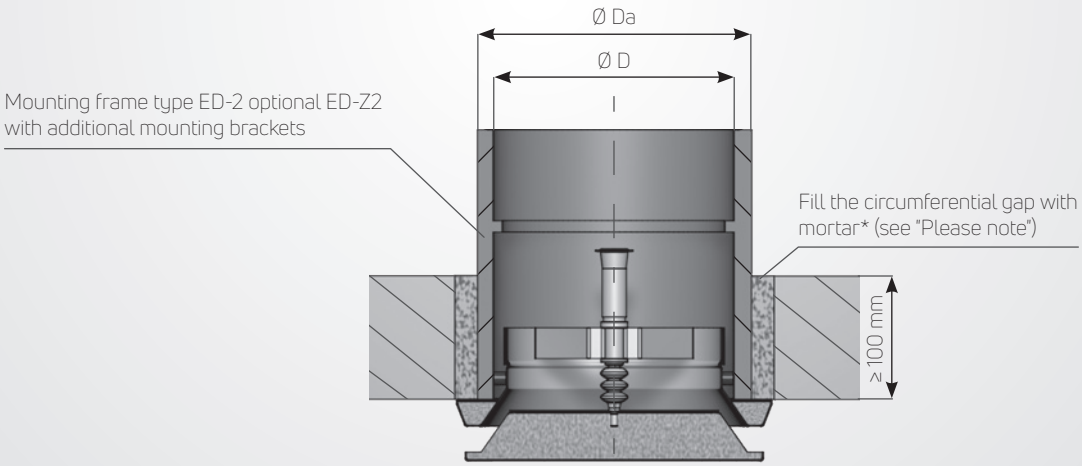
- F90 and F30 slab ceilings, in screwed and filled design with general technical approvals
- Metal panel ceilings F30 with general technical approvals
- Insert slab ceilings F30
- Owakustik-DUO-F30 inlaid tile ceilings with general technical approvals

## Installation in solid masonry, concrete or cellular concrete walls




| Ø D |
|---|
| 100 |
| 125 |
| 160 |
| 200 |

## Installation in concrete or cellular concrete ceilings

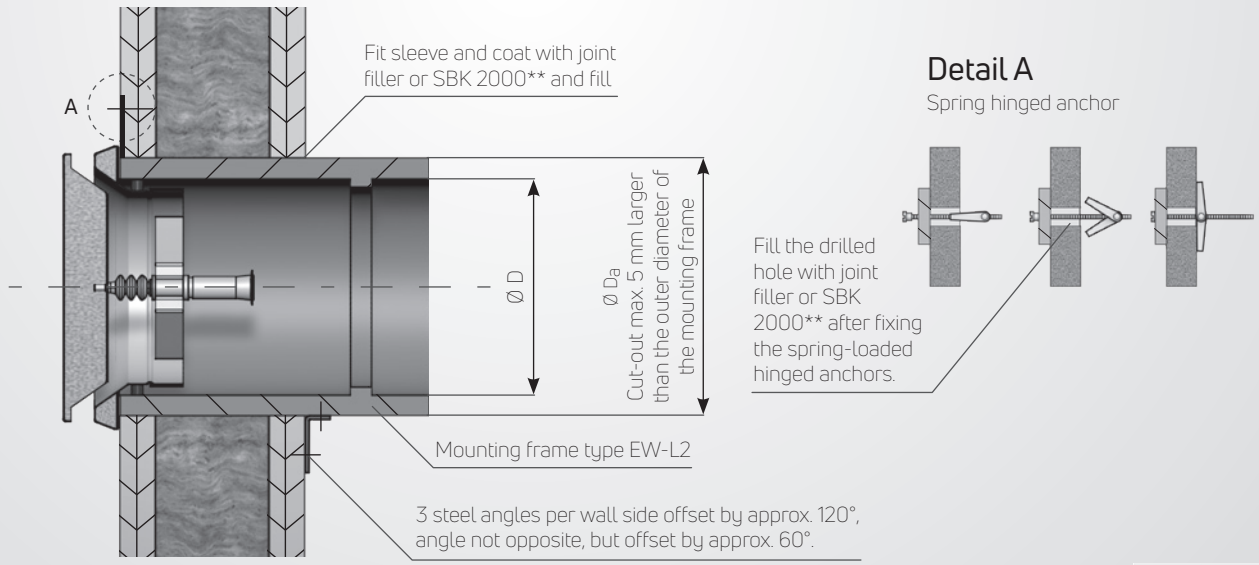



| Ø D | Ø Da |
|---|---|
| 100 | 131 |
| 125 | 156 |
| 160 | 191 |
| 200 | 232 |

*** Please note:** All-round gap from ≥ 10 to ≤ 50 mm must be filled with cement mortar of category M10 in accordance with DIN EN 998-2 or with mortar of group II or III in accordance with DIN 1053. Mechanical fillings with cement mortar of category M10 in accordance with DIN EN 998-2 are permissible.

## Installation in lightweight partition walls, dry installation

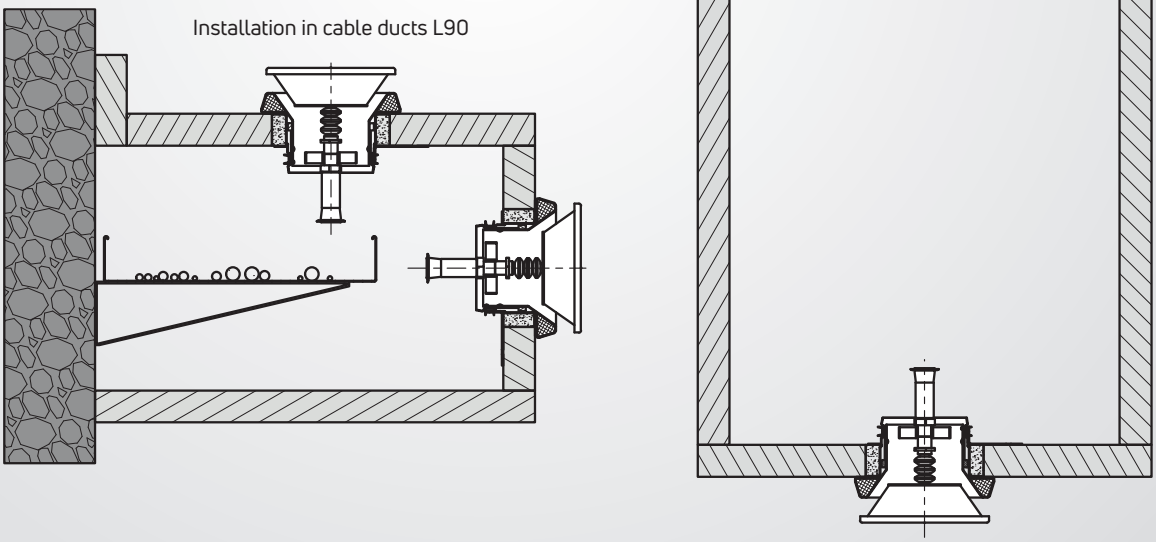
### Installation in lightweight partition walls with installation frame type EW-L2




| Ø D | Ø Da |
|---|---|
| 100 | 131 |
| 125 | 156 |
| 160 | 191 |
| 200 | 232 |

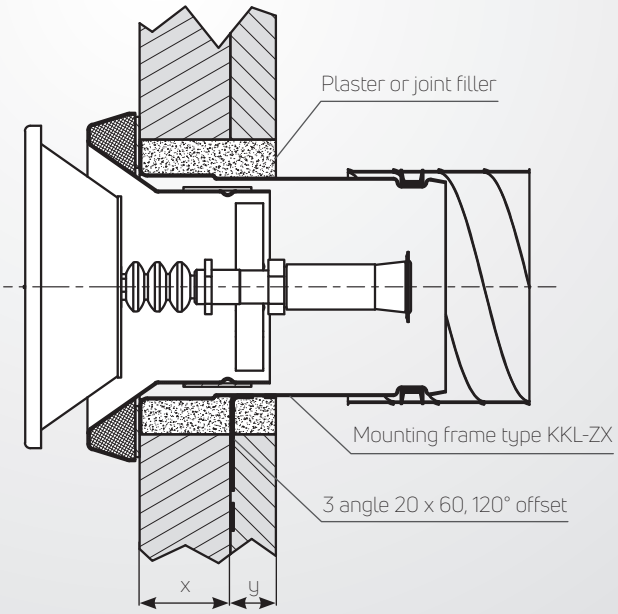
** As an aid for the proper application of the SBK-2000 adhesive, we recommend a manual pres sure gun for bags (minimum capacity 600 ml).

## Installation in fire-resistant ventilation ducts L90




Depending on the wall thickness X,
a total of at least 40 mm must be achieved.

## Installation in shaft walls F30/F90

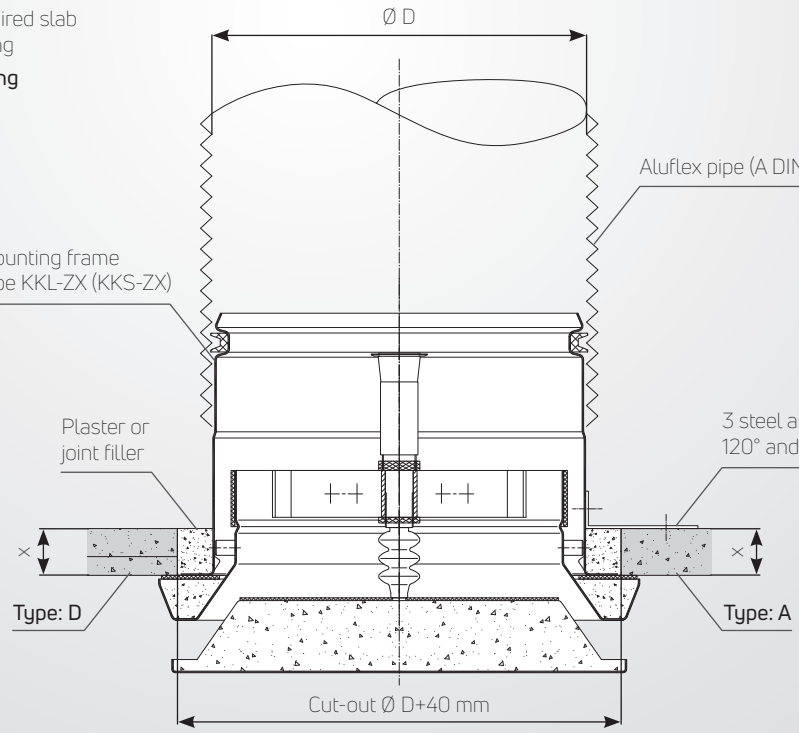



**F90:** x + y at least 60 mm
**F30:** x + y at least 60 mm

## Installation in fire-resistant false ceilings F30

As ceiling F30, screwed and filled, type: D, or as inserted ceiling, type: A

x = according to the required slab thickness of the ceiling
**Specify when ordering**

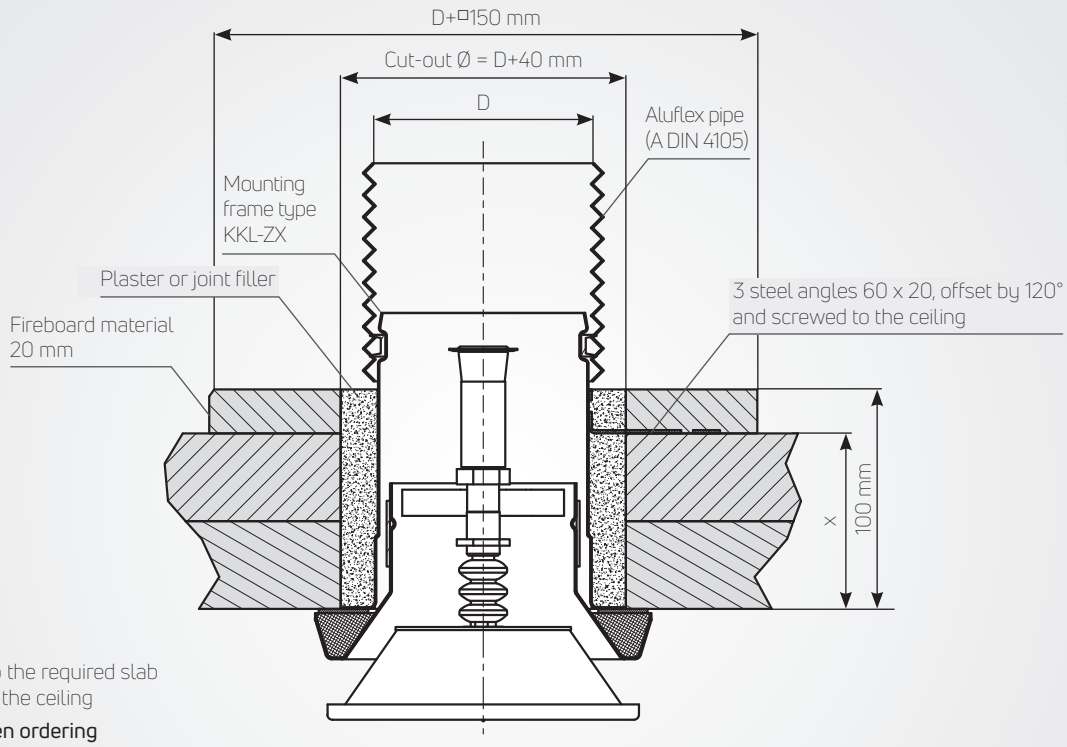



| Ø D |
|---|
| 100 |
| 125 |
| 160 |
| 200 |

* Not included in delivery.

## Installation in fire-resistant false ceilings F90

As ceiling F90, screwed and filled

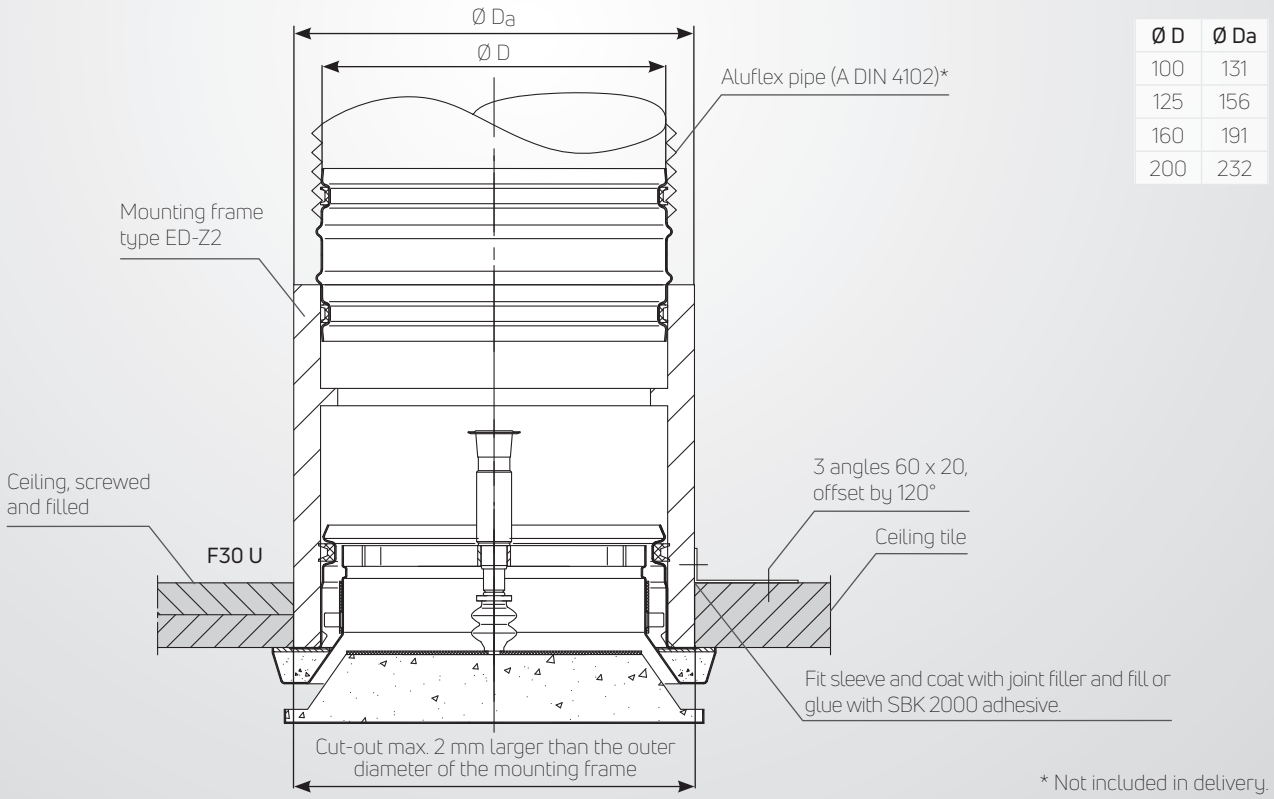



| Ø D |
|---|
| 100 |
| 125 |
| 160 |
| 200 |

x = According to the required slab thickness of the ceiling
**Specify when ordering**

## Installation in fire-resistant false ceilings F30 U, dry installation

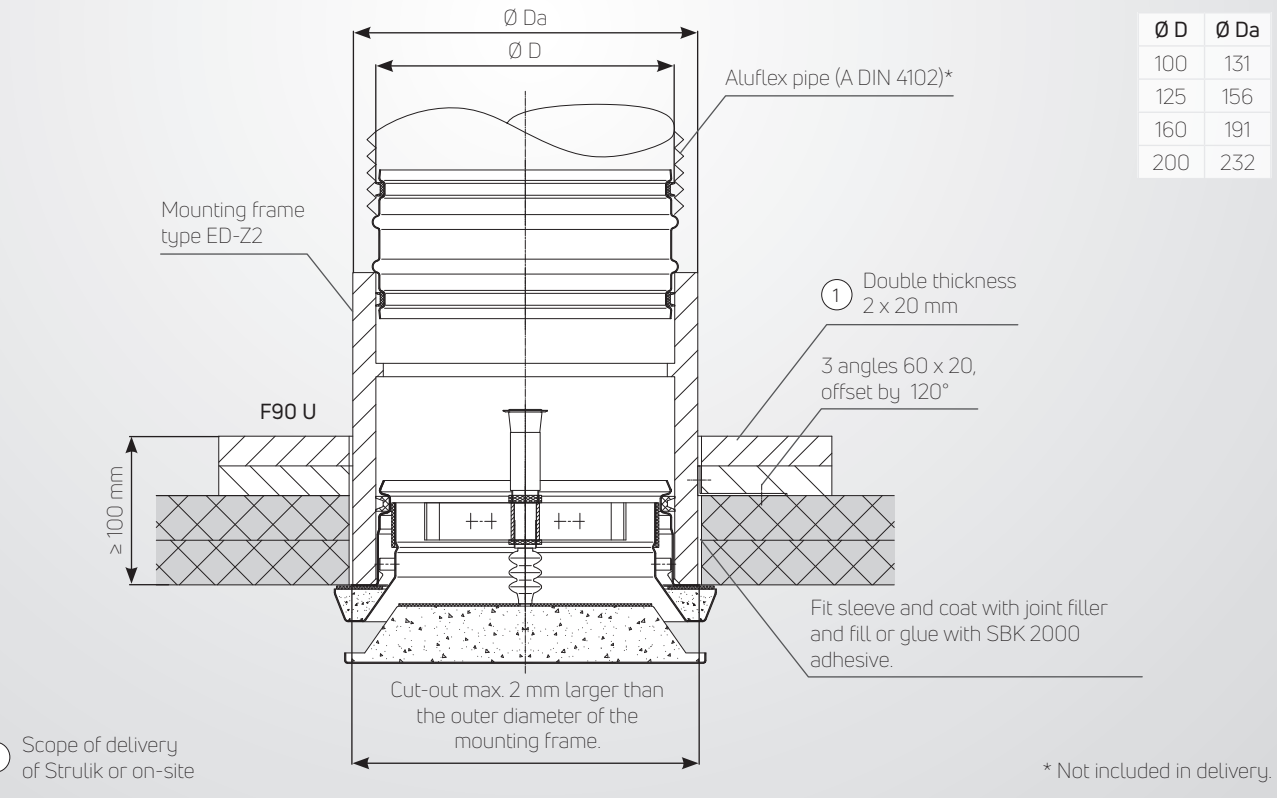
### As ceiling F30, screwed and filled, or as installed ceiling




| Ø D | Ø Da |
|---|---|
| 100 | 131 |
| 125 | 156 |
| 160 | 191 |
| 200 | 232 |

* Not included in delivery.

## Installation in fire-resistant false ceilings F90 U, dry installation




| Ø D | Ø Da |
|---|---|
| 100 | 131 |
| 125 | 156 |
| 160 | 191 |
| 200 | 232 |

* Not included in delivery.

# Shut-off device type BCF-2-K90

- Installation in independently fire classified suspended ceilings or special fixtures with general technical approval
- General building authority approval: Z-41.3-647
- Resistance class: K30U accordance to DIN 4102 part 2
- Available in the following dimensions: DN 100/125/160 and 200 mm

Type BCF-2-K90

## Features & Benefits

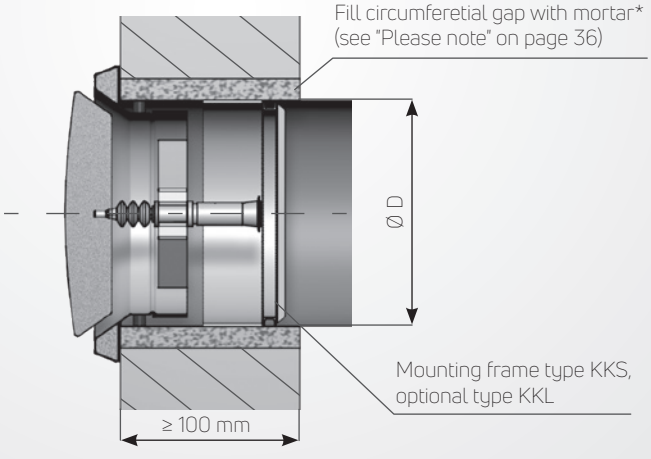
Strulik type BCF-2-K90 shut-off devices cleverly combine the function of a fully adjustable exhaust or supply cone air valve with a 30 minute fire resistance class of K30U.

The shut-off device is installed directly in the structure to be protected. The fire protection is intrinsically provided by the cone valve. No special fixings are required, which is both time saving and economic. Strulik shut-off devices can even be retrofitted into ventilation systems to allow compliance with the fire rsisitance regulations.

### The shut-off device type BCF-2-K30 can be used in:

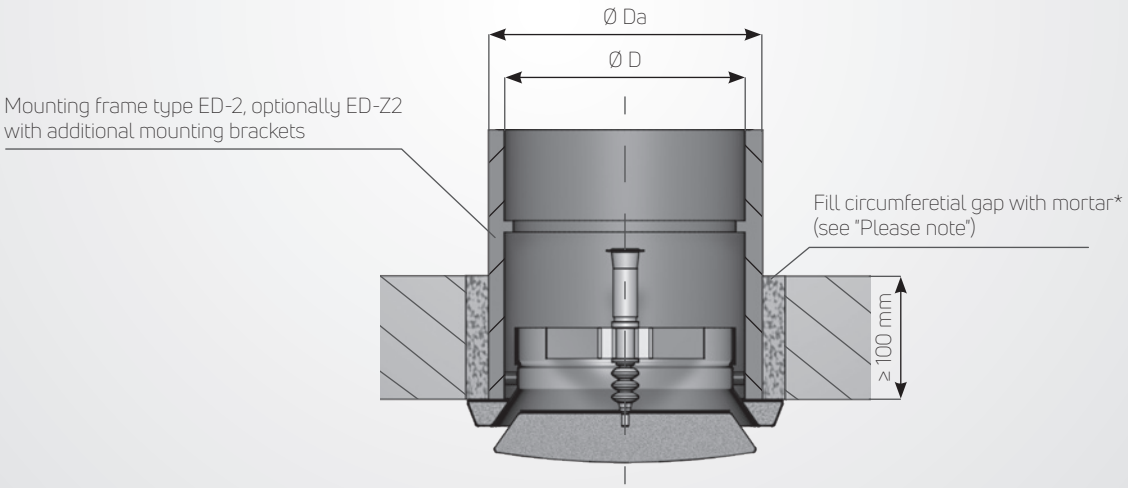
- F30 slab ceilings, in screwed and filled design with general technical approval
- Metal panel ceilings F30 with general technical approval
- Dipling metal panel ceilings F30 with general technical approval
- Owakustik-DUO-F30 inlaid tile ceilings with general technical approval

## Installation in solid masonry, concrete or cellular concrete walls




| Ø D |
|---|
| 100 |
| 125 |
| 160 |
| 200 |

## Installation in concrete or cellular concrete ceilings

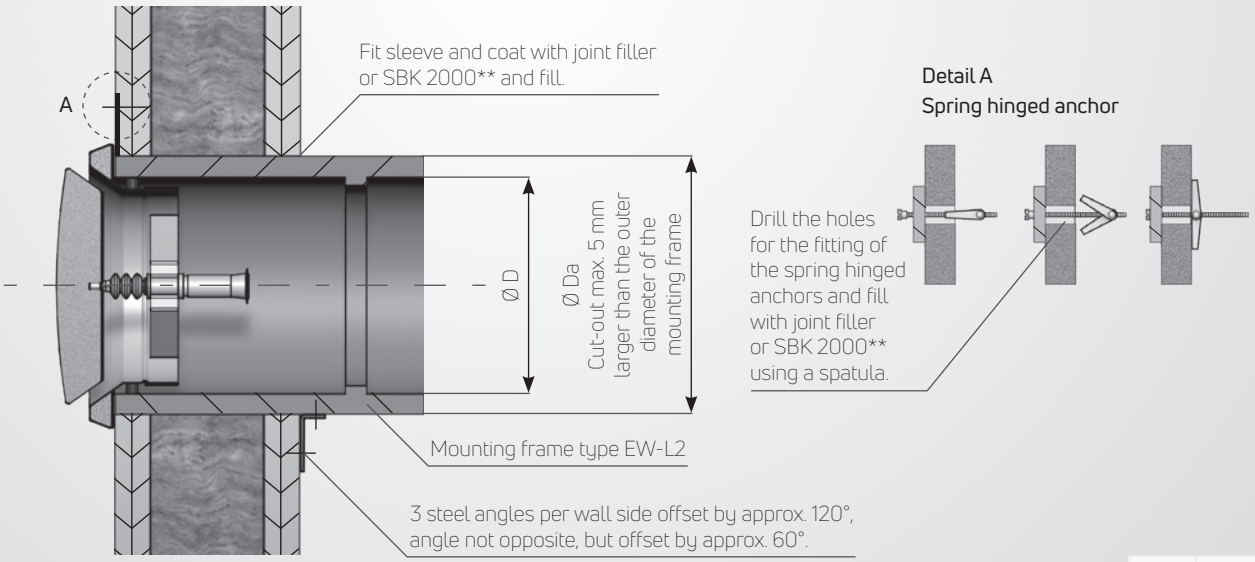



| Ø D | Ø Da |
|---|---|
| 100 | 131 |
| 125 | 156 |
| 160 | 191 |
| 200 | 232 |

*** Please note:** All-round gap from ≥ 10 to ≤ 50 mm must be filled with cement mortar of category M10 in accordance with DIN EN 998-2 or with mortar of group II or III in accordance with DIN 1053. Mechanical fillings with cement mortar of category M10 in accordance with DIN EN 998-2 are permissible.

## Installation in lightweight partition walls, dry installation

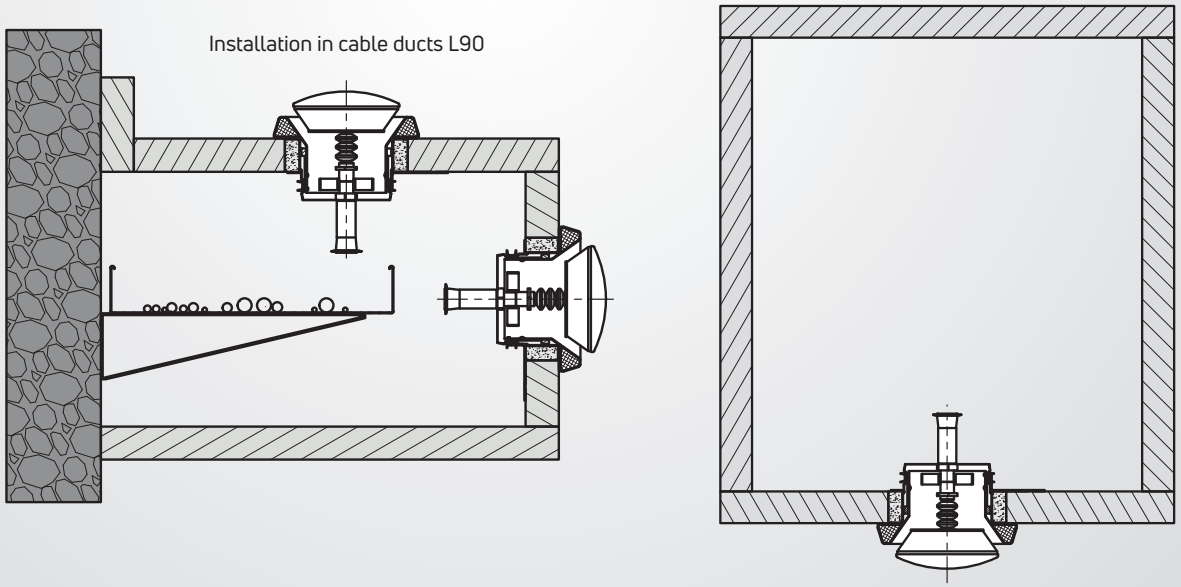
### Installation in lightweight partition walls with installation frame type EW-L2




| Ø D | Ø Da |
|---|---|
| 100 | 131 |
| 125 | 156 |
| 160 | 191 |
| 200 | 232 |

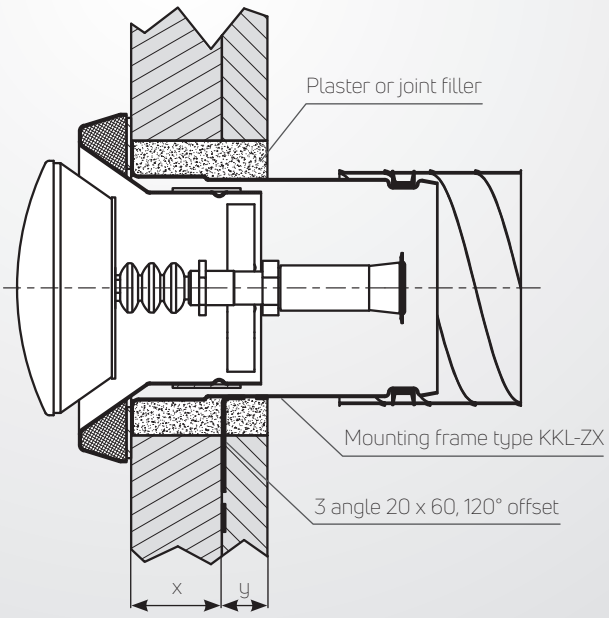
** As an aid for the proper application of the SBK-2000 adhesive, we recommend a manual pressure gun for bags (minimum capacity 600 ml).

## Installation in fire-resistant ventilation ducts L90




Depending on the wall thickness X, a
total of at least 40 mm must be achieved.

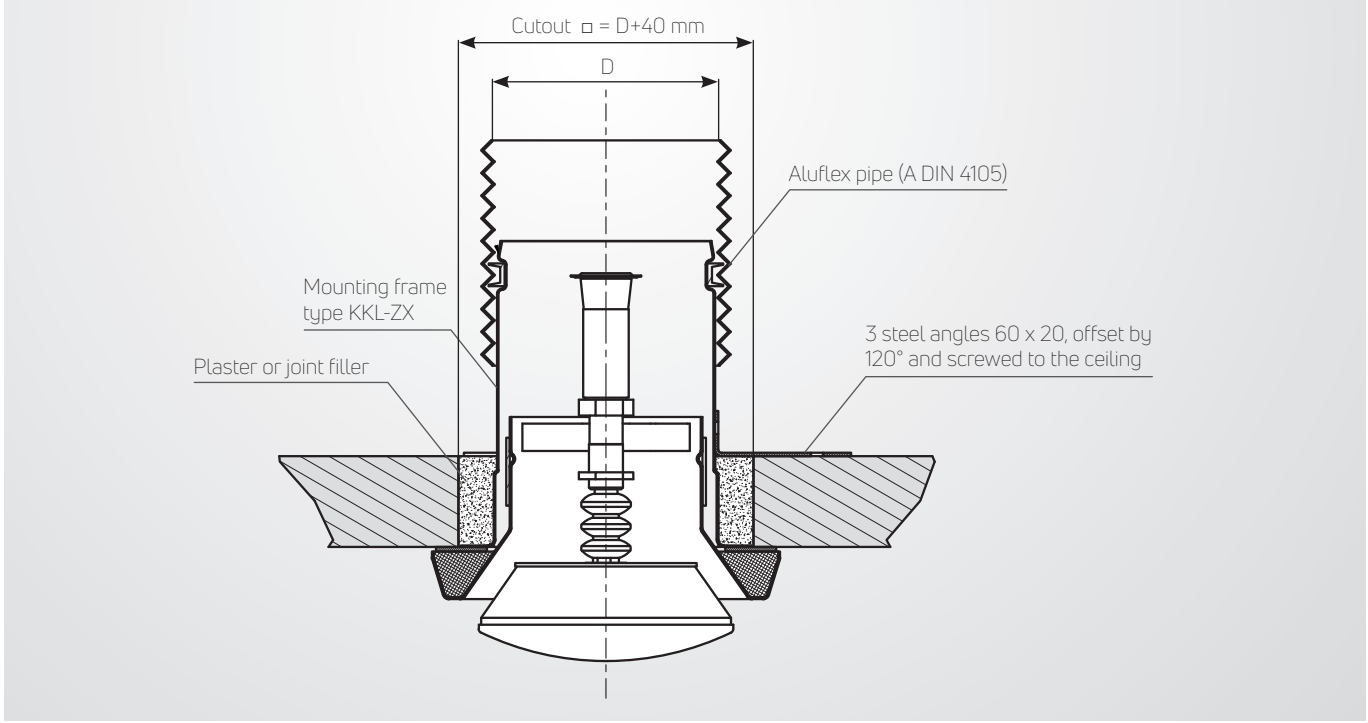
## Installation in shaft walls F30/F90



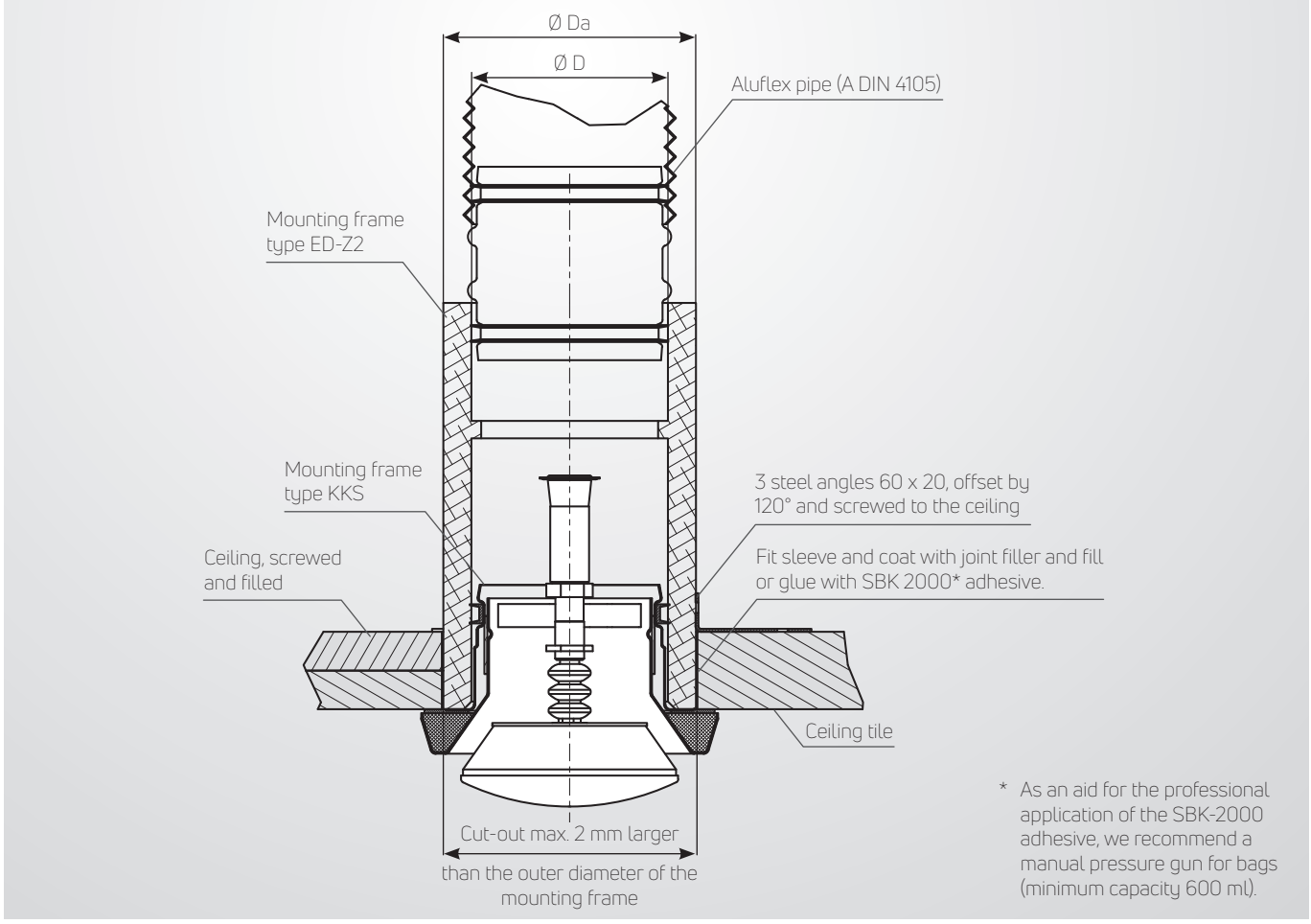

**F90:** x + y at least 60 mm
**F30:** x + y at least 60 mm

## Installation in fire-resistant false ceilings F30 U, wet installation

### As ceiling F30, screwed and filled




## Installation in fire-resistant false ceilings F30 U, dry installation




* As an aid for the professional application of the SBK-2000 adhesive, we recommend a manual pressure gun for bags (minimum capacity 600 ml).

# Plenum boxes for installation in independently fire classified suspended ceilings

# Air plenum box type LB

- General technical approval: Z-41.3-336
- Resistance class: K90U/K30U to DIN 4102 Part 2
- Available in the following dimensions:
  All dimensions below max. 0.354 $m^2$ can be manufactured.
  Dimension H ≥ 350 to ≤ 450 mm
- Type LB-K30U and Type LB-K90U

Type LB

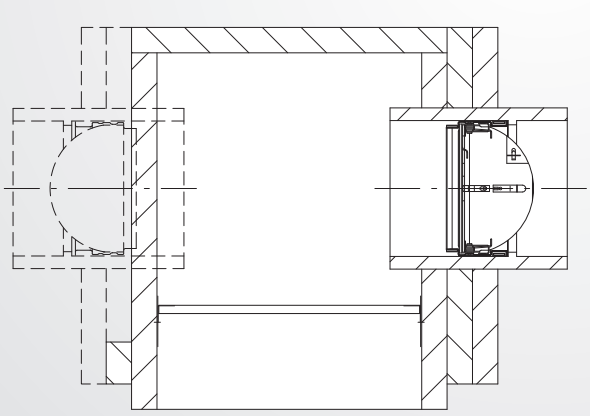
## Features & Benefits

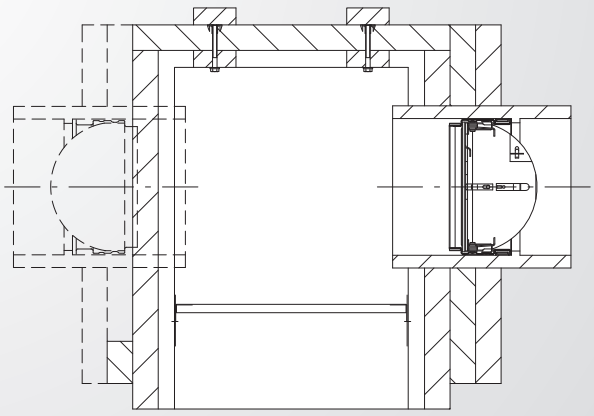
### The type LB-K30U plenum box can be used in:

- Panel ceilings F30 from board - screwed and plastered design
- Metal ceilings F30 with general technical approval

### The type LB-K30U plenum box with inner sheet metal lining can be used in:

- Panel ceilings F30 from board - screwed and plastered design



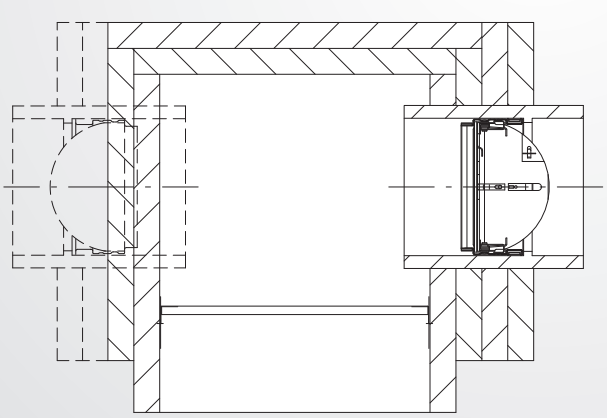


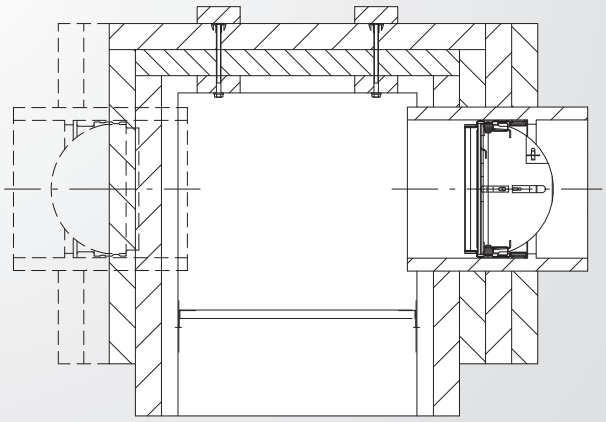
With inner sheet metal lining

## Features & Benefits

### The type LB-K90U plenum box with, and without, inner sheet metal lining can be used in:

- Panel ceilings F90 from board - screwed and plastered design





With inner sheet metal lining

# Air plenum box type LBR

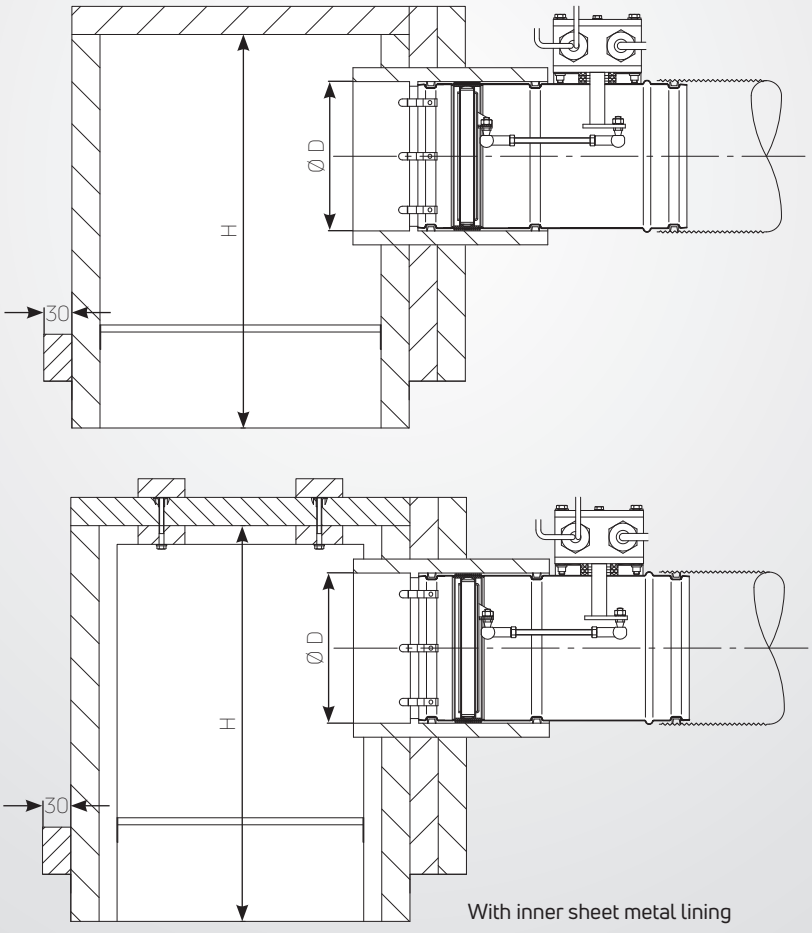
- General technical approval: Z-41.3-661
- Resistance class: K90U/K30U to DIN 4102 Part 2
- Available in the following dimensions: All dimensions below max. 0.354 $m^2$ can be manufactured.
  Dimension H ≥ 350 to ≤ 450 mm
- Type LBR-K30U and Type LBR-K90U

Type LBR

## Features & Benefits

The type LBR-K30U plenum box with, and without, inner sheet metal lining can be used in:

- Panel ceilings F30 and F90 from board - screwed and plastered design

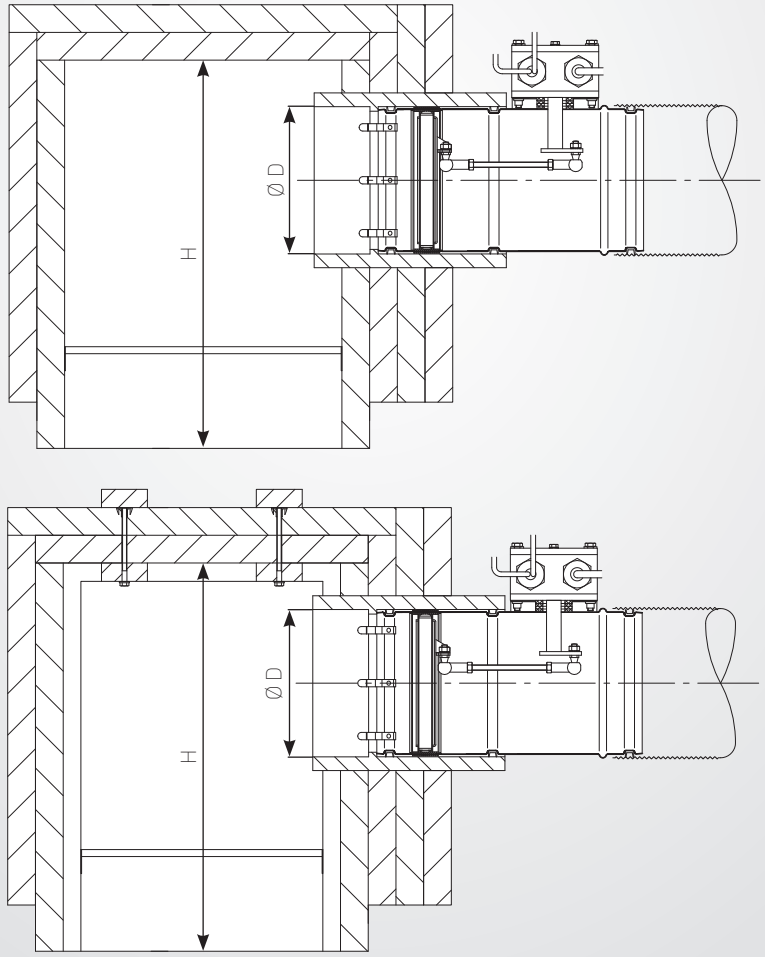



With inner sheet metal lining

## Features & Benefits

### The type LBR-K90U plenum box with, and without, inner sheet metal lining can be used in:

- Panel ceilings F30 and F90 from board - screwed and plastered design



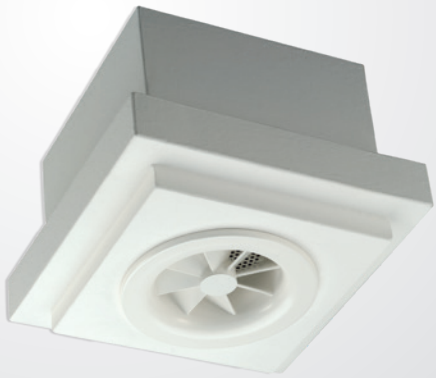

With inner sheet metal lining

**Note:** If the dimensions (W x L) of the air plenum box type LBR ≥ are 400 mm, the inspection of the fire damper type BR can also be carried out from the inside.

# Fire protection cubes for installation in independently fire classified suspended ceilings

# Fire protection cubes type BW

- General technical approval: Z-41.3-335
- Resistance class: K30U accordance to DIN 4102 part 2
- Available in the following dimensions: DN 100/125/160 and 200 mm
- Type BW-K30U



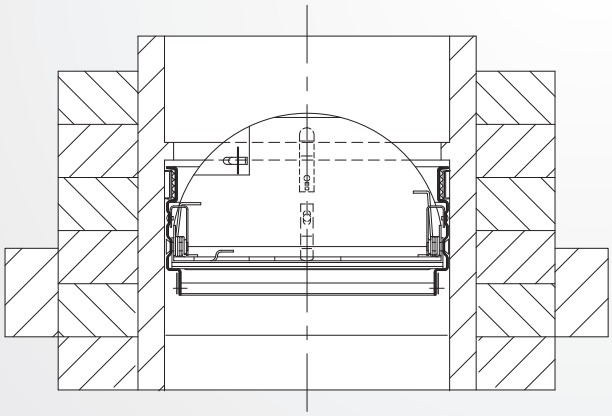
Type BW

## Features & Benefits

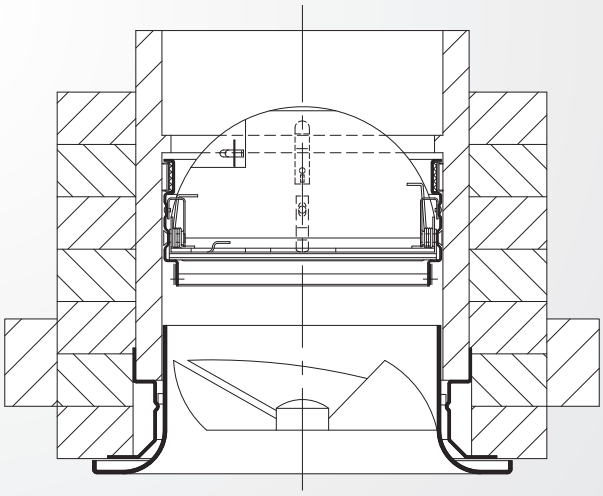
### Fire protection cubes type BW-K30U

- Panel ceilings F30 from board - screwed and plastered design
- Ceiling tiles - F30
- Metal ceilings F30 with general technical approvals

BW-K30U



BW-K30U incl. swirl diffuser (from DN 125 mm)



# Notes

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