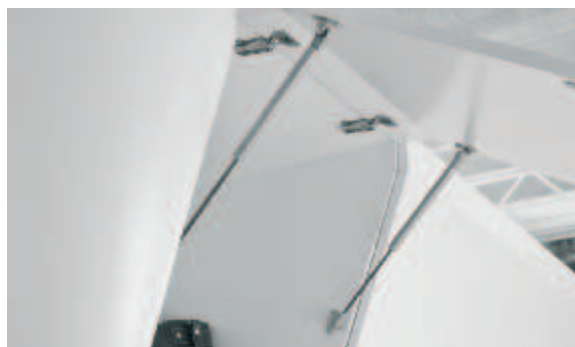


# Gas-Filled Struts

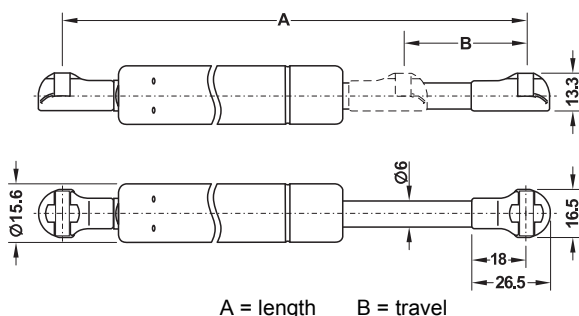
## For wooden lids or lids with aluminium frame

### Gas-filled strut

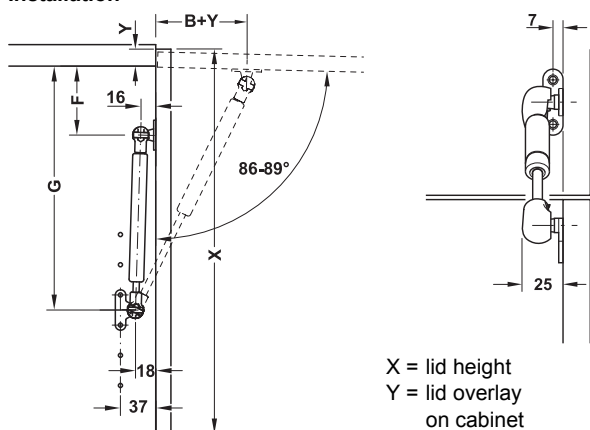
For lids made from wood or lids with aluminium frame, self-opening



- > Lid opens automatically from an opening angle of approx. 10°
- > With dynamic backcheck for particularly harmonious opening movement
- > Extremely suitable for front panels without handle
- > Separate spring is not required



#### Installation



- > Opening angle: Approx. 90°
- > Material: Strut and brackets: Steel, cover caps: Plastic
- > Finish: Strut and cover caps: Silver grey, brackets: Galvanized
- > Flap weight: Up to 11 kg
- > Flap height: Max. 600 mm
- > Installation: Into 32 mm series drilled holes

#### Sample measurements table for max. spring force

| Lid weight kg | Lid height X mm |        |        |        |        |        |       |
|---------------|-----------------|--------|--------|--------|--------|--------|-------|
|               | 300             | 350    | 400    | 450    | 500    | 550    | 600   |
| 2             | 60 N            | 60 N   | 80 N   | 80 N   | 100 N* | 100 N* | 100 N |
| 3             | 60 N            | 80 N   | 80 N   | 100 N* | 100 N* | 100 N  | 100 N |
| 4             | 80 N            | 100 N* | 100 N* | 100 N  | 100 N  | 100 N  | 120 N |
| 5             | 100 N*          | 100 N* | 100 N  | 100 N  | 120 N  | 120 N  | 140 N |
| 6             | 100 N*          | 100 N  | 100 N  | 120 N  | 120 N  | 140 N  | 140 N |
| 7             | —               | 100 N  | 120 N  | 120 N  | 140 N  | 140 N  | 150 N |
| 8             | —               | 120 N  | 120 N  | 140 N  | 125 N  | 150 N  | 150 N |
| 9             | —               | 120 N  | 140 N  | 125 N  | 125 N  | 150 N  | 175 N |
| 10            | —               | 140 N  | 140 N  | 125 N  | 150 N  | 175 N  | 175 N |
| 11            | —               | 140 N  | 125 N  | 150 N  | 150 N  | 175 N  | 175 N |

\* Only for Cat. No. 373.78.903

#### Note

The sample measurements table above refers to the use of 2 gas-filled struts and the depicted installation situation with concealed hinges.

In case of threshold values always use stronger version. Trial mounting is recommended.

#### Supplied with

- 2 gas-filled struts
- 2 mounting brackets for cabinet
- 2 mounting brackets for lid
- 4 cover caps for cup-shaped recesses

| Spring force N | Length mm | Travel mm | Dim. G mm | Dim. F mm | Cat. No.   |
|----------------|-----------|-----------|-----------|-----------|------------|
| 60             | 230       | 76        | 231       | 68        | 373.78.901 |
| 80             | 230       | 76        | 231       | 68        | 373.78.902 |
| 100            | 230       | 76        | 231       | 68        | 373.78.903 |
| 100            | 300       | 110       | 295       | 96        | 373.78.904 |
| 120            | 300       | 110       | 295       | 96        | 373.78.905 |
| 125            | 360       | 140       | 359       | 120       | 373.78.907 |
| 140            | 300       | 110       | 295       | 96        | 373.78.906 |
| 150            | 360       | 140       | 359       | 120       | 373.78.908 |
| 175            | 360       | 140       | 359       | 120       | 373.78.909 |

Packing: 1 set

#### Order reference

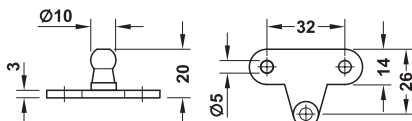
Two gas-filled struts must always be used.

Gas-filled strut for stay flap version ► FF 4.253

Push catches ► FF 4.265

### → Aluminium frame mounting bracket

For narrow aluminium frames



#### Note

Corresponds to the cabinet mounting bracket of the gas loaded spring set.

| Material | Finish     | Cat. No.   |
|----------|------------|------------|
| Steel    | Galvanized | 373.78.923 |

Packing: 1 piece

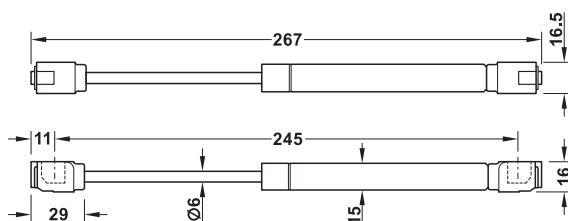
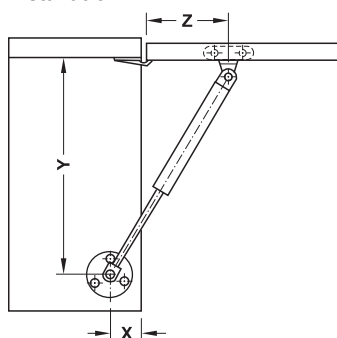
# Gas-Filled Struts For wooden lids or aluminium frames

## Gas-filled strut

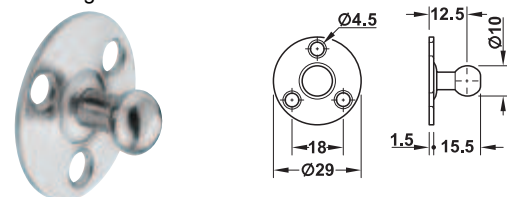
For wooden lids or lids with aluminium frame



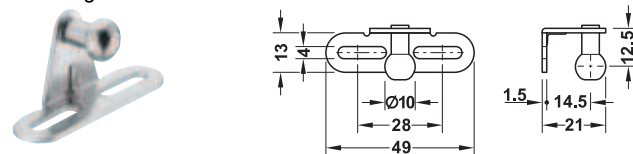
### Installation



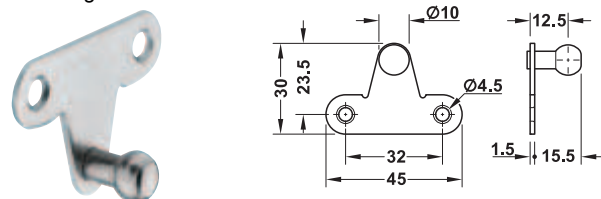
### Mounting bracket for cabinet



### Mounting bracket for wooden lid



### Mounting bracket for aluminium lid



|                  |                                                                                              |
|------------------|----------------------------------------------------------------------------------------------|
| > Material:      | Steel                                                                                        |
| > Finish:        | Nickel plated                                                                                |
| > Opening angle: | 75–110°                                                                                      |
| > Installation:  | With mounting bracket for screw fixing, gas-filled strut without tools (quick fixing system) |

### Sample measurements table for mounting dimensions when using hinges for full overlay mounting

| Opening angle | Dim. mm |     |    |
|---------------|---------|-----|----|
|               | X       | Y   | Z  |
| 75°           | 25      | 258 | 80 |
| 90°           | 25      | 236 | 80 |
| 110°          | 25      | 218 | 70 |

### Sample measurements tables

#### Max. lid weight (kg) with 75° application

| Spring force | Lid height mm |     |     |     |
|--------------|---------------|-----|-----|-----|
| N            | 300           | 400 | 500 | 600 |
| 60           | 2.0           | 1.5 | 1.2 | 1.0 |
| 80           | 2.7           | 2.0 | 1.6 | 1.4 |
| 100          | 3.4           | 2.6 | 2.0 | 1.7 |
| 120          | 4.1           | 3.1 | 2.5 | 2.0 |
| 150          | 4.7           | 3.5 | 2.9 | 2.4 |

#### Max. lid weight (kg) with 90° application

| Spring force | Lid height mm |     |     |     |
|--------------|---------------|-----|-----|-----|
| N            | 300           | 400 | 500 | 600 |
| 60           | 1.8           | 1.3 | 1.1 | 0.9 |
| 80           | 2.4           | 1.8 | 1.4 | 1.2 |
| 100          | 3.0           | 2.2 | 1.8 | 1.5 |
| 120          | 3.6           | 2.7 | 2.1 | 1.8 |
| 150          | 4.1           | 3.2 | 2.3 | 2.1 |

#### Max. lid weight (kg) with 110° application

| Spring force | Lid height mm |     |     |     |
|--------------|---------------|-----|-----|-----|
| N            | 300           | 400 | 500 | 600 |
| 60           | 1.6           | 1.2 | 0.9 | 0.8 |
| 80           | 2.1           | 1.6 | 1.2 | 1.0 |
| 100          | 2.6           | 1.9 | 1.6 | 1.3 |
| 120          | 3.1           | 2.3 | 1.9 | 1.6 |
| 150          | 3.5           | 2.6 | 2.2 | 1.9 |

### Note

The sample measurements tables apply to one gas-filled strut. The load bearing capacity doubles when using 2 gas-filled struts. It is recommended to use 2 gas-filled struts for parallel and synchronous opening action of large lids.

### Supplied with

- 1 gas-filled strut
- 1 mounting bracket for cabinet
- 1 mounting bracket for wooden lids
- 1 mounting bracket for lids with aluminium frame with frame width 20 mm
- 1 set of installation instructions
- Fixing material

| Spring force<br>N | Cat. No.   |
|-------------------|------------|
| 60                | 373.82.906 |
| 80                | 373.82.907 |
| 100               | 373.82.908 |
| 120               | 373.82.909 |
| 150               | 373.82.910 |

Packing: 1 piece