

INTEGRATED DOOR CLOSERS – GEZE BOXER RANGE



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## Overview table for the GEZE Boxer range

#### For single-leaf doors For double-leaf doors Boxer size 2-4 / 2-4 2V Boxer E size 2-4 Boxer E Gr. 3-6 **Boxer ISM-EFS** Boxer size 3-6 **Boxer E-ISM Boxer EFS Boxer ISM Boxer P** Approval for fire and smoke protection doors 1) • • • • EN4 Barrier-free in accordance with DIN 18040 EN4 FN4 EN4 FSA FSA FSA FL FSA FSA FL 1100 1100 1100 1100 up to leaf width (max.) in mm 4-6/ Closing force in accordance with EN 1154 2-4 3-6 2-4 3-6 4-6 2-4 2-4/3-6 2-4/3-6 3-6 (2-4) 1400/ Door leaf width (max.) in mm 1100 1400 1100 1400 1400 1100 1100/1400 1100/1400 1400 (1100) 180/ Leaf weight (max.) in kg 130 180 130 180 180 80 130/180 130/180 180 (130) **Application possibilities** Closer body integrated in the door leaf • Guide rail integrated in the door frame • • • • • • • 120° 120° 120° Opening angle (max.) 120° 120° 120° 120° 120° 120° **Functions** Closing force, adjustable • • • • • • Back check, adjustable • • • • • • Latching action, adjustable • • • • • • • • . Closing speed, adjustable • • • • • • • Mechanical hold-open device 2) • • • • Electric hold-open device • • • Electric hold-open device for free swing • Mechanical closing sequence control, integrated Flexible opening resctriction •

FSA = Hold-open system

FSA FL = Free swing hold-open system

 $<sup>\</sup>bullet = \mathsf{yes}$ 

<sup>&</sup>lt;sup>1)</sup> For fire and smoke protection doors an additional suitability certificate is required for the door.

<sup>&</sup>lt;sup>2)</sup> Can be retrofitted, not to fire and smoke protection doors

#### **GEZE Boxer**

## Integrated door closer for single-leaf doors with a leaf width of up to 1400 mm

The GEZE Boxer integrated door closer for single-leaf doors is incorporated discreetly into the door leaf and frame. The guide rail and lever are only visible when the door is open. Once the door is installed, the closing force and speed, latching action and hydraulic back check can be conveniently adjusted from the top. The door closer can be used for right and left single-action doors without any need for conversion.

An additional door suitability certificate is required for fire protection doors. The door must be limited at an opening angle of about 120°.

#### Optional:

Mechanical hold-open device

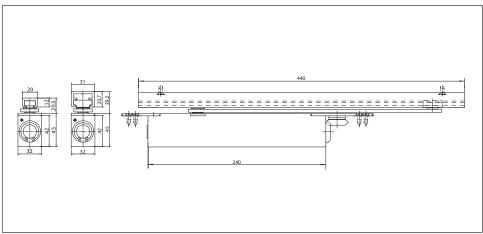
The hold-open angle can be set anywhere between about 80° and 120°, the hold-open retention force is adjustable.

Please note: Not permitted for use on fire protection doors.

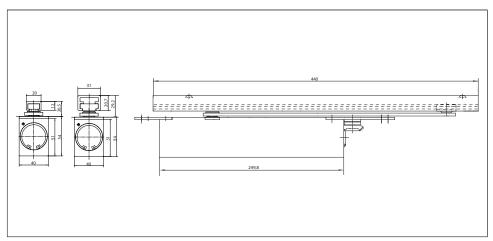
#### **GEZE Boxer**



## **GEZE Boxer**



Size 2-4



Size 3-6

## **Application range**

- For right and left hung doors without the need for conversion
- Closer size 2-4 for interior doors up to a leaf width of 1100 mm and a leaf weight of 130 kg
- Closer size 2-4 2V with independent latching action valve. This makes it possible to increase and reduce the latching action speed (brake-to-stop function).
- Closer size 3-6 for interior and exterior doors up to a leaf width of 1400 mm and a leaf weight of 180 kg
- Door leaf thickness from 40 mm for size 2-4, from 50 mm for size 3-6
- For fire protection doors with appropriate suitability certificate

#### Closer technical data

| Product features                                       | GEZE Boxer 2-4 closer                         | GEZE Boxer 2-4 2V closer      | GEZE Boxer 3-6 closer |  |
|--|---|-------------------------------|-----------------------|--|
| Closing force in accordance with EN 1154               | 2 - 4   | 2 - 4                         | 3 - 6                 |  |
| Leaf width recommended up to                           | 1100 mm                                       | 1100 mm                       | 1400 mm               |  |
| Leaf weight recommended up to                          | 130 kg  | 130 kg                        | 180 kg                |  |
| Minimum leaf thickness                                 | 40 mm   | 40 mm                         | 50 mm                 |  |
| Same version for DIN left and DIN right                | •   | •                             | •                     |  |
| Product tested in accordance with                      | Door closer tested in accordance with EN 1154 |                               |                       |  |
| Length   | 286 mm  | 286 mm                        | 293 mm                |  |
| Installation depth                                     | 32 mm   | 32 mm                         | 40 mm                 |  |
| Height   | 45 mm   | 45 mm                         | 54 mm                 |  |
|  |   |                               |                       |  |
| Functions  |   |                               |                       |  |
| Adjustable closing force                               |   | Yes, infinitely variable      |                       |  |
| Adjustable closing speed                               | •   | •                             | •                     |  |
| Adjustable latching action                             |   | Yes, via valve                |                       |  |
| Integrated back check                                  |   | Yes, hydraulically adjustable |                       |  |
| Closing force adjustment position                      | Тор   |                               |                       |  |
| Safety valve to protect against vandalism              | •   | •                             | •                     |  |
| Valve control for regulating the latching action speed |   | •                             |                       |  |

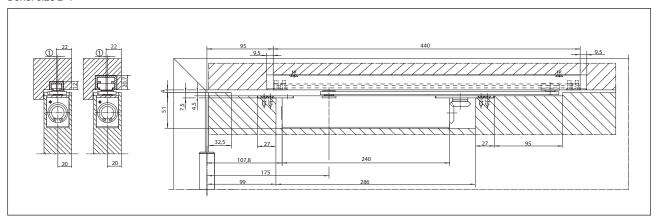
## Guide rail technical data

| Product features                             | Boxer guide rail 12 mm | Boxer guide rail 20,7 mm |  |  |
|--|------------------------|--------------------------|--|--|
| For use on single-action/double-action doors | Single-a               | ction door               |  |  |
| Length                                       | 440                    | 440 mm                   |  |  |
| Installation depth                           | 20 mm                  | 31 mm                    |  |  |
| Height                                       | 12 mm                  | 20,7 mm                  |  |  |
| Functions                                    |                        |                          |  |  |
| Integrated opening restrictor                | 0                      | 0                        |  |  |
| Integrated hold-open device                  | 0                      | 0                        |  |  |

- $\circ = Optional$
- = Standard

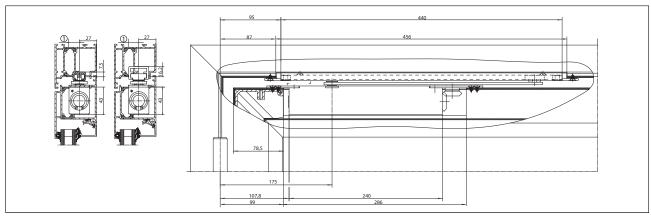
## Installation drawings

Boxer size 2-4



Installation on wooden door

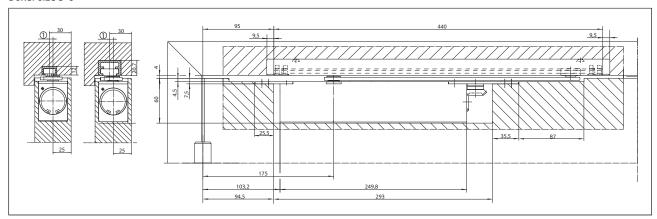
(1) = Guide rail offset: max. 10 mm



Installation on metal door

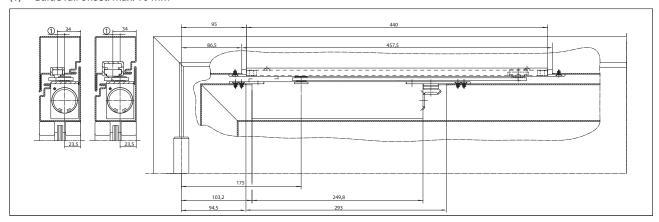
(1) = Guide rail offset: max. 10 mm

Boxer size 3-6



Installation on wooden door

(1) = Guide rail offset: max. 10 mm



Installation on metal door (1) = Guide rail offset: max. 10 mm

## **GEZE Boxer – Order information**

| Description   | Spindle extension | Version         | ID no. |
|---|-------------------|-----------------|--------|
| CETED 2.4.1   | 0 mm              |                 | 099728 |
| GEZE Boxer 2-4 closer Size EN 2-4 with back check (without guide rail)  | 4 mm              |                 | 101759 |
| Size Liv 2-4 with back theck (without guide fail)   | 8 mm              |                 | 101760 |
| GEZE Boxer 2-4 2V closer  | 0 mm              |                 | 134448 |
| Size EN 2-4 with back check and independent latching action valve   | 4 mm              |                 | 134493 |
| (end brake also possible, without guide rail)   | 8 mm              |                 | 134494 |
| CETED 2.6.1   | 0 mm              |                 | 099735 |
| GEZE Boxer 3-6 closer Size EN 3-6 with back check (without guide rail)  | 4 mm              |                 | 101761 |
| Size Liv 5-0 with back theck (without guide fail)   | 8 mm              |                 | 101762 |
| Boxer guide rail, 12 mm   |                   | silver-coloured | 129213 |
| with lever, installation height: 12 mm  |                   | acc. to RAL 1)  | 135732 |
| Boxer guide rail, 20,7 mm with lever, installation height: 20,7 mm  |                   | silver-coloured | 112161 |
| Boxer guide rail, 20.7 mm   |                   | silver-coloured | 095141 |
| with lever and mechanical hold-open device, installation height: 20.7 mm  |                   | acc. to RAL 1)  | 135689 |
| Accessories   |                   |                 |        |
| Mechanical hold-open unit for Standard / T-Stop / Boxer 20.7 mm guide rail, adjustable retention force, can be activated/deactivated and overridden |                   |                 | 071924 |
| Mechanical hold-open unit for Boxer 12 mm guide rail, adjustable retention force, cannot be overridden  |                   |                 | 129145 |
| Flexible opening restrictor for lightweight doors for riveted, Standard BG and Boxer 20.7 mm guide rails  |                   |                 | 069780 |
| Flexible opening restrictor for lightweight doors for Boxer 12 mm guide rail  |                   |                 | 129343 |

<sup>1)</sup> Surcharge for special RAL colours, see general information



VitraHaus, Weil am Rhein, Germany (Photo: Oliver Look)

#### **GEZE Boxer E**

## Integrated door closer for single-leaf doors with a leaf width of up to 1400 mm, with electrical hold-open device

The GEZE Boxer integrated door closer with electrical hold-open device in the guide rail is suitable for single-leaf doors and is incorporated discreetly into the door leaf and frame. The E guide rail with electrical hold-open device is tested in accordance with EN 1155 and only visible when the door is open. The retention force of the hold-open mechanism is infinitely adjustable; the hold-open point can be set anywhere between about 80° and about 120°. The hold-open point can be overridden, i.e. the door can be opened wider if needed.

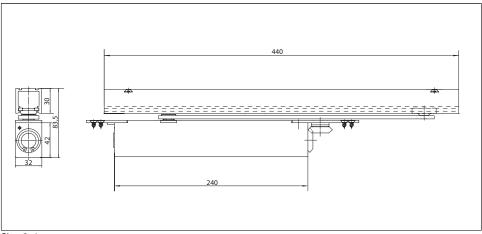
Once the door is installed, the closing force and speed, latching action and hydraulic back check can be conveniently adjusted from the top. The door closer can be used for right and left single-action doors without any need for conversion.

An additional door suitability certificate is required for fire protection doors. The Boxer E is building code approved with the GEZE smoke switch control units RSZ6. The door opening must be limited at an opening angle of about 120°.

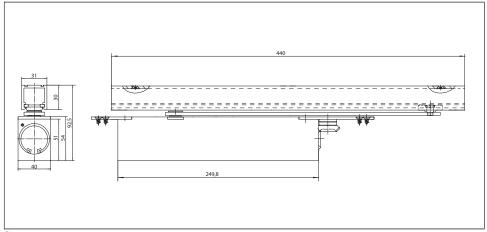
## **GEZE Boxer E**



### **GEZE Boxer E**



Size 2-4



Size 3-6

#### **Application range**

- For right and left hung doors without the need for conversion
- Closer size 2-4 for interior doors up to a leaf width of 1100 mm and a leaf weight of 130 kg
- Closer size 2-4 2V with independent latching action valve. This makes it possible to increase and reduce the latching action speed (brake-to-stop function).
- Closer size 3-6 for interior and exterior doors up to a leaf width of 1400 mm and a leaf weight of 180 kg
- Door leaf thickness from 40 mm for size 2-4, from 50 mm for size 3-6
- For fire protection doors with appropriate suitability certificate

#### Closer technical data

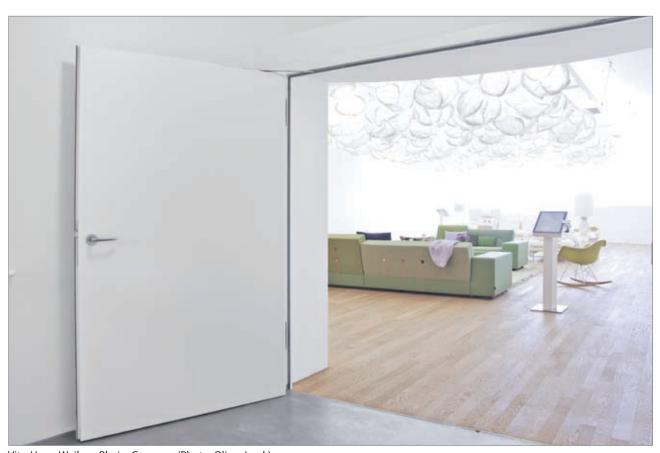
| Product features                                       | GEZE Boxer 2-4 closer | GEZE Boxer 2-4 2V closer        | GEZE Boxer 3-6 closer |  |
|--|-----------------------|---------------------------------|-----------------------|--|
| Closing force in accordance with EN 1154               | 2 - 4                 | 2 - 4                           | 3 - 6                 |  |
| Leaf width recommended up to                           | 1100 mm               | 1100 mm                         | 1400 mm               |  |
| Leaf weight recommended up to                          | 130 kg                | 130 kg                          | 180 kg                |  |
| Minimum leaf thickness                                 | 40 mm                 | 40 mm                           | 50 mm                 |  |
| Same version for DIN left and DIN right                | •                     | •                               | •                     |  |
| Product tested in accordance with                      | Door                  | loser tested in accordance with | n EN 1154             |  |
| Length   | 286 mm                | 286 mm                          | 293 mm                |  |
| Installation depth                                     | 32 mm                 | 32 mm                           | 40 mm                 |  |
| Height   | 45 mm                 | 45 mm                           | 54 mm                 |  |
| Functions  |                       |                                 |                       |  |
| Adjustable closing force                               |                       | Yes, infinitely variable        |                       |  |
| Adjustable closing speed                               | •                     | •                               | •                     |  |
| Adjustable latching action                             |                       | Yes, via valve                  |                       |  |
| Integrated back check                                  |                       | Yes, hydraulically adjustable   |                       |  |
| Closing force adjustment position                      | Тор                   |                                 |                       |  |
| Safety valve to protect against vandalism              | •                     | •                               | •                     |  |
| Valve control for regulating the latching action speed |                       | •                               |                       |  |

- $\circ = Optional$
- = Standard

## Guide rail technical data

| Product features                                  | Boxer E guide rail                                    |
|---|---|
| For use on single-action/double-action doors      | Single-action door                                    |
| Supply voltage                                    | 24V DC  |
| Enclosure rating                                  | IP 43   |
| Product tested in accordance with                 | Hold-open mechanism tested in accordance with EN 1155 |
| Length  | 440 mm  |
| Installation depth                                | 31 mm   |
| Height  | 30 mm   |
| Functions   |   |
| Integrated hold-open device                       | Electrical  |
| Hold-open device, can be activated or deactivated | •   |
| Hold-open device can be overridden                | •   |

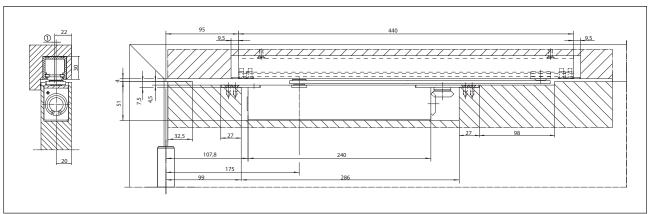
- $\circ = \mathsf{Optional}$
- = Standard



VitraHaus, Weil am Rhein, Germany (Photo: Oliver Look)

## Installation drawings

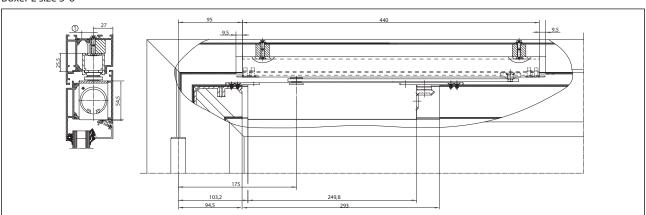
Boxer E size 2-4



Installation on wooden door

(1) = Guide rail offset: max. 10 mm

Boxer E size 3-6



Installation on metal door

(1) = Guide rail offset: max. 10 mm

## **GEZE Boxer E – Order information**

| Description   | Spindle exten-<br>sion | Version                   | ID no. |
|---|------------------------|---------------------------|--------|
| CE7E D  | 0 mm                   |                           | 099728 |
| GEZE Boxer 2-4 closer Size EN 2-4 with back check (without guide rail)  | 4 mm                   |                           | 101759 |
| Size Liv 2-4 with back check (without guide fail)   | 8 mm                   |                           | 101760 |
| GEZE Boxer 2-4 2V closer  | 0 mm                   |                           | 134448 |
| Size EN 2-4 with back check and independent latching action valve   | 4 mm                   |                           | 134493 |
| (end brake also possible, without guide rail)   | 8 mm                   |                           | 134494 |
|   | 0 mm                   |                           | 099735 |
| GEZE Boxer 3-6 closer Size EN 3-6 with back check (without guide rail)  | 4 mm                   |                           | 101761 |
| Size Liv 5-0 with back theck (without guide rail)   | 8 mm                   |                           | 101762 |
| Boxer E guide rail  |                        | silver-coloured           | 119640 |
| with lever and electrical hold-open   |                        | acc. to RAL 2)            | 135775 |
| Accessories   |                        |                           |        |
| GEZE flexible opening restrictor for guide rail 1-leaf: TS 5000 E/R/RFS (leaf installation), Boxer E; 2-leaf: all E/R/ISM variants TS 5000 and Boxer  |                        |                           | 145311 |
|   |                        | silver-coloured           | 099851 |
| GEZE smoke switch control unit RSZ6   |                        | dark bronze               | 099857 |
| Smoke switch and energy supply for all GEZE hold-open mechanisms  |                        | white RAL 9016            | 099858 |
|   |                        | Stainless steel effect 1) | 099856 |
|   |                        | acc. to RAL 2)            | 099859 |
|   |                        | silver-coloured           | 154976 |
| Set smoke switch control unit RSZ 6 ECwire  |                        | white RAL 9016            | 154979 |
| Smoke switch control unit ECwire for straightforward wiring with 2-wire technology incl. 2 ceiling-mounted smoke detectors GC 162 (white)   |                        | Stainless steel effect 1) | 154991 |
| teermology fren 2 centring modified smoke detectors de 102 (white)  |                        | acc. to RAL 2)            | 154980 |
| GEZE smoke detector GC 152<br>Complete with base, 24 V DC, 20 mA, tested to EN54-7, with general approval for use with all GEZE hold-open systems, integrated line control, conform with DIN EN 14637               |                        | white                     | 139850 |
| GEZE thermal detector GC 153<br>Complete with base, 24 V DC, 20 mA, tested to EN54-5, with general approval for use with all GEZE hold-open systems, integrated line control, conform with DIN EN 14637             |                        | white                     | 139881 |
| GEZE manual trigger switch Concealed version, for the manual release of electrically controlled hold-open devices including terminating resistance for line monitoring  |                        | Alpine white              | 116266 |
| Single surface-mounted socket matches the AS500 switch range  |                        |                           | 120503 |
| GEZE manual trigger switch with glass pane and 5 interchangeable labels Concealed version, for the manual release of electrically controlled hold-open devices including terminating resistance for line monitoring |                        | Alpine white              | 120880 |
| Replacement glass pane for GEZE circuit breaker 120880  |                        |                           | 010994 |
| 1) Only suitable for dry rooms  |                        | -                         |        |

<sup>1)</sup> Only suitable for dry rooms

<sup>2)</sup> Surcharge for special RAL colours, see general information

#### **GEZE Boxer EFS 4-6**

## Size EN 4-6, with electric free swing function incl. free swing lever with comfort hold-open function

The free swing function offered by the integrated door closer Boxer EFS EN4-6 enables barrier-free passage through 1-leaf doors. The door closer is embedded completely in the door leaf and frame. The guide rail and the lever are therefore not visible when the door is closed. The free swing function allows doors to be used with minimum resistance in the direction of opening or closing e.g. in homes for the elderly or hospitals after the door has been opened once (such as in the morning). The door closer can be used for right and left single-action doors without any need for conversion. Once installed, the closing speed, latching action and mechanical back check in the guide rail can be adjusted.

The Boxer EFS size EN 4-6 for single leaf doors offers the perfect combination of new, integrated comfort hold-open function, which allows the door to be lightly held in place at the end of the free swing area, and the tried-and-trusted GEZE free swing function. Light holding by means of the comfort hold-open function prevents the door closing inadvertently in a draught. The fire protection function is not affected, if an alarm is triggered the door closes safely.

An additional door suitability certificate is required for fire protection doors. The closer is tested in accordance with EN 1155 and building code approved for use with the GEZE smoke switch control unit RSZ6. The door must be limited at an opening angle of about 120°.

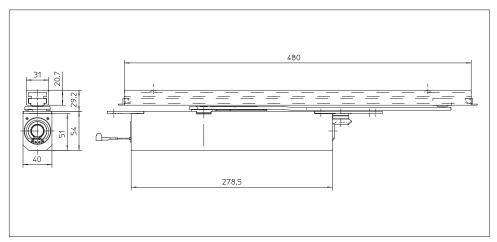
#### Please note:

According to the general DIBt official building approval for hold-open systems, the use of a circuit breaker for free swing door closers is compulsory.

#### **GEZE Boxer EFS**



#### **GEZE Boxer EFS**



#### **Application range**

- Can be used for doors mounted on the right or left without conversion
- Closer size 4-6 for doors up to 1400 mm leaf width and 180 kg leaf weight
- Door leaf thickness from 50 mm
- · For fire protection doors with respective suitability certificate
- With comfort hold-open function to latch the door at the maximum opening angle

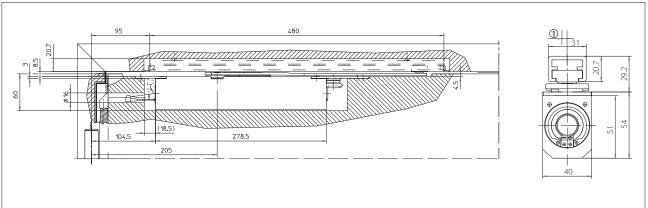
## Closer technical data

| Product features                          | GEZE Boxer EFS complete package  |
|---|--|
| Closing force in accordance with EN 1154  | 4-6  |
| Leaf width recommended up to              | 1400 mm  |
| Leaf weight recommended up to             | 180 kg   |
| Minimum leaf thickness                    | 50 mm  |
| Same version for DIN left and DIN right   | •  |
| Supply voltage                            | 24V DC   |
| Enclosure rating                          | IP 43  |
| Product tested in accordance with         | Door closer tested in accordance with EN 1154<br>Hold-open mechanism tested in accordance with EN 1155 |
| Length                                    | 332 mm   |
| Installation depth                        | 40 mm  |
| Height                                    | 54 mm  |
| Functions                                 |  |
| Adjustable closing force                  | Yes  |
| Adjustable closing speed                  | •  |
| Adjustable latching action                | Yes, via valve   |
| Integrated back check                     | Yes, mechanically in the guide rail  |
| Safety valve to protect against vandalism | •  |
| Integrated hold-open device               | electrical / for free swing function   |

- $\circ = \mathsf{Optional}$
- $\bullet = Standard$

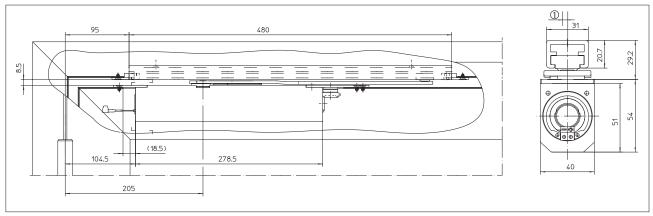
## Installation drawings

Boxer EFS



Installation on wooden door

(1) = Guide rail offset: max. 10 mm



Installation on metal door

(1) = Guide rail offset: max. 10 mm

## **GEZE Boxer EFS – Order information**

| Description  | Version                      | ID no. |
|--|------------------------------|--------|
| GEZE Boxer EFS<br>Size EN 4, with electric free swing function incl. free swing lever with comfort hold-open<br>function   |                              | 153559 |
| Guide rail Boxer EFS 12 mm<br>Overall height 12 mm, for Boxer EFS 4-6  |                              | 153560 |
| Guide rail Boxer EFS 20.7 mm<br>Overall height 20.7 mm, for Boxer EFS 4-6  |                              | 153571 |
| Accessories  |                              |        |
| GEZE spindle extension Boxer EFS 4-6   | 4 mm                         | 153573 |
| '  | 8 mm                         | 153574 |
|  | silver-coloured              | 099851 |
|  | dark bronze                  | 099857 |
| GEZE smoke switch control unit RSZ 6   | white RAL 9016               | 099858 |
| Smoke switch and power supply for all GEZE hold-open mechanisms  | simulated stainless<br>steel | 099856 |
| _  | acc. to RAL                  | 099859 |
|  | silver-coloured              | 154976 |
| smoke switch control unit RSZ 6 ECwire   | white RAL 9016               | 154979 |
| Smoke switch control unit ECwire for straightforward wiring with 2-wire technology incl. 2 ceiling-mounted smoke detectors GC 162 (white)  | simulated stainless<br>steel | 154991 |
|  | acc. to RAL                  | 154980 |
| GEZE smoke detector GC 152<br>Complete with base, 24 V DC, 20 mA, tested in accordance with EN54-7, with general approval<br>for use with all GEZE hold-open systems, integrated line monitoring, in accordance with DIN<br>EN 14637 | white                        | 139850 |
| GEZE thermal detector GC 153<br>Complete with base, 24 V DC, 20 mA, tested in accordance with EN54-5, with general approval<br>for use with all GEZE hold-open systems, integrated line control, in accordance with DIN EN<br>14637  | white                        | 139881 |
| GEZE manual trigger switch AS 500 for the manual release of electrically controlled hold-open mechanisms including terminating resistance for line monitoring  | alpine white/red             | 116266 |
| GEZE manual trigger switch AS 500 (with glass pane and 5 interchangeable labels) for the manual release of electrically controlled hold-open mechanisms  | alpine white/red             | 120880 |
| Surface-mounted box, single<br>Matching the AS 500 switch range  | alpine white                 | 120503 |
| Replacement glass cover<br>for GEZE manual trigger switch 120880 and 120881  |                              | 010994 |

#### **GEZE Boxer ISM**

## Integrated door closer system for double-leaf doors with a hinge clearance of up to 2800 mm featuring integrated closing sequence control

The GEZE Boxer ISM system for double-leaf doors consists of the Boxer 2-4 or Boxer 3-6 in the door leaves and the ISM guide rail with integrated mechanical closing sequence control in accordance with EN 1158 in the frame. The ISM guide rail is only visible when the door is open. On double-leaf doors it ensures that the active leaf always closes after the passive leaf. Once installed, the infinitely adjustable closing force, closing speed, latching action and hydraulic back check can be adjusted on the door closers. The system can be used on DIN left and right moving leaves without the need for conversion. In addition, the closing sequence control on the ISM guide rail is extremely resistant to vandalism, i.e. the system will not suffer damage even if the active leaf is consciously pushed closed from the waiting position.

An additional door suitability certificate is required for fire protection doors. The door must be limited at an opening angle of about 120°.

#### Optional:

Mechanical hold-open unit, can be retrofitted on both door leaves, adjustable hold-open retention force, the hold-open point can be overridden, i.e. the door can be opened wider if needed.

Please note: Not permitted for use on fire and smoke protection doors.

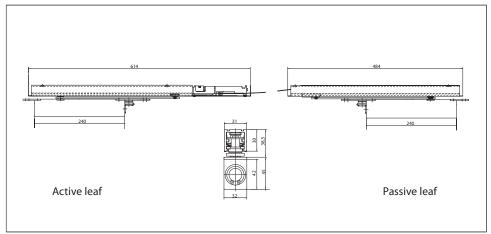
## **Special versions**

- For doors with narrow hinge clearance, from 1130 mm (opening angle max. 100°)
- For doors with small passive leaf, from 420 mm (opening angle of passive leaf max. 100°)

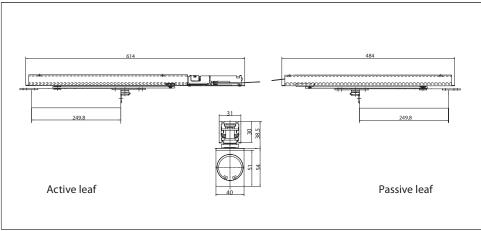
#### **GEZE Boxer ISM**



## **GEZE Boxer ISM**

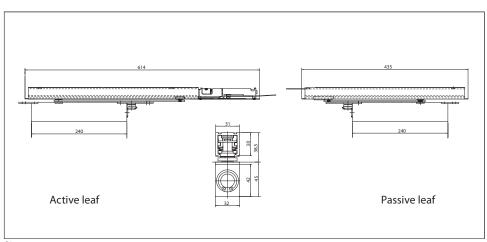


Size 2-4

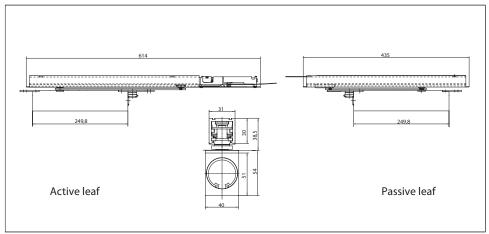


Size 3-6

## **GEZE Boxer ISM** for small passive leaf

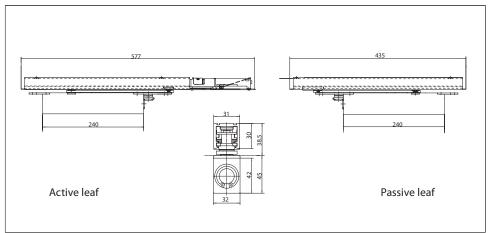


Size 2-4

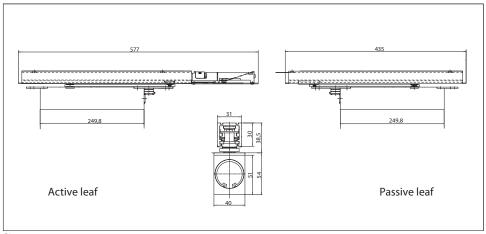


Size 3-6

## GEZE Boxer ISM for small hinge clearance



Size 2-4



Size 3-6

## **Application range**

- For double-leaf doors, leaf width of up to 1400 mm
- Min. hinge clearance = 1130 mm (version for small hinge clearance), max. hinge clearance = 2800 mm
- Min. width of passive leaf 420 mm (version for small passive leaf)
- Closer size 2-4 for interior doors up to a leaf width of 1100 mm and a leaf weight of 130 kg
- Closer size 2-4 2V with independent latching action valve. This makes it possible to increase and reduce the latching action speed (brake-to-stop function).
- Closer size 3-6 for interior and exterior doors up to a leaf width of 1400 mm and a leaf weight of 180 kg
- Door leaf thickness from 40 mm for size 2-4, from 50 mm for size 3-6
- For fire protection doors with appropriate suitability certificate

## Closer technical data

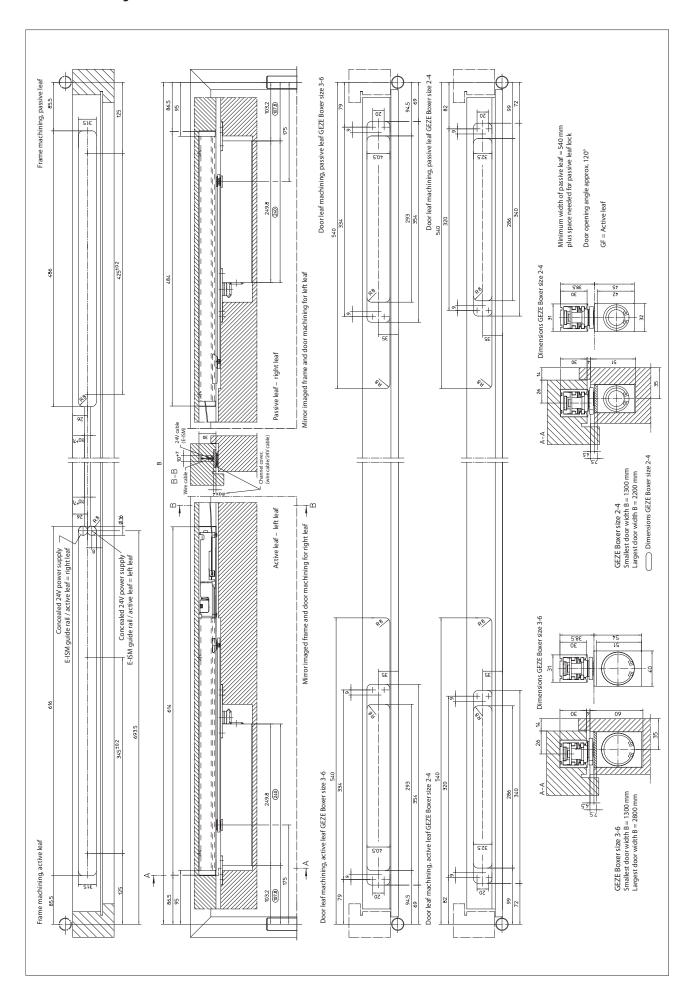
| Product features                                       | GEZE Boxer 2-4 closer                         | GEZE Boxer 2-4 2V closer      | GEZE Boxer 3-6 closer |  |
|--|---|-------------------------------|-----------------------|--|
| Closing force in accordance with EN 1154               | 2 - 4   | 2 - 4                         | 3 - 6                 |  |
| Leaf width recommended up to                           | 1100 mm                                       | 1100 mm                       | 1400 mm               |  |
| Leaf weight recommended up to                          | 130 kg  | 130 kg                        | 180 kg                |  |
| Minimum leaf thickness                                 | 40 mm   | 40 mm                         | 50 mm                 |  |
| Same version for DIN left and DIN right                | •   | •                             | •                     |  |
| Product tested in accordance with                      | Door closer tested in accordance with EN 1154 |                               |                       |  |
| Length   | 286 mm  | 286 mm                        | 293 mm                |  |
| Installation depth                                     | 32 mm   | 32 mm                         | 40 mm                 |  |
| Height   | 45 mm   | 45 mm                         | 54 mm                 |  |
| Functions  |   |                               |                       |  |
| Adjustable closing force                               |   | Yes, infinitely variable      |                       |  |
| Adjustable closing speed                               | •   | •                             | •                     |  |
| Adjustable latching action                             |   | Yes, via valve                |                       |  |
| Integrated back check                                  |   | Yes, hydraulically adjustable |                       |  |
| Closing force adjustment position                      | Тор   |                               |                       |  |
| Safety valve to protect against vandalism              | •   | •                             | •                     |  |
| Valve control for regulating the latching action speed |   | •                             |                       |  |

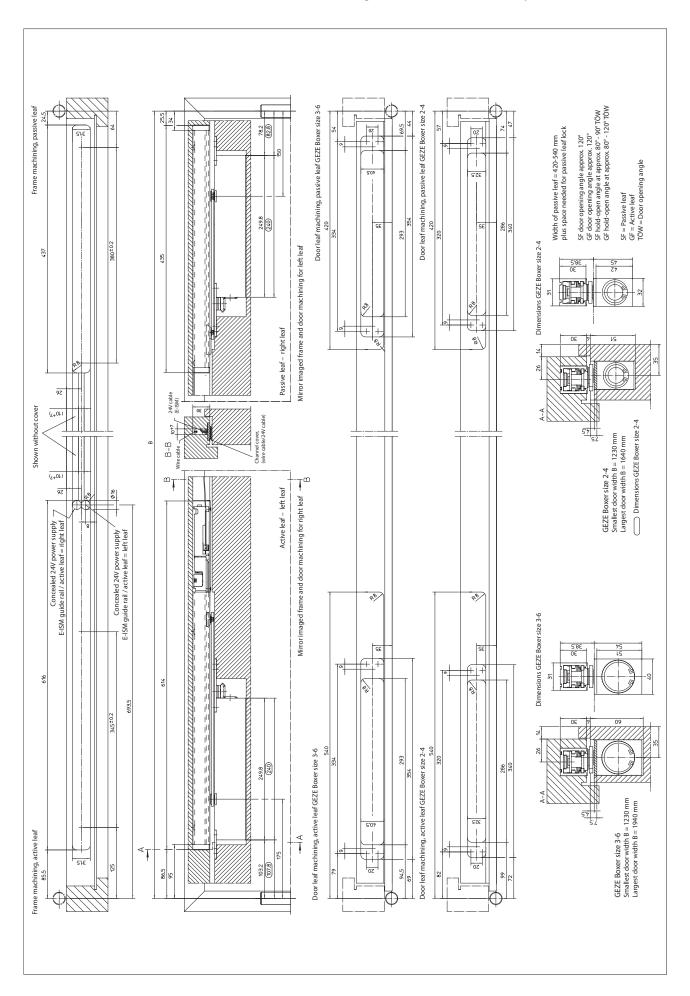
## Guide rail technical data

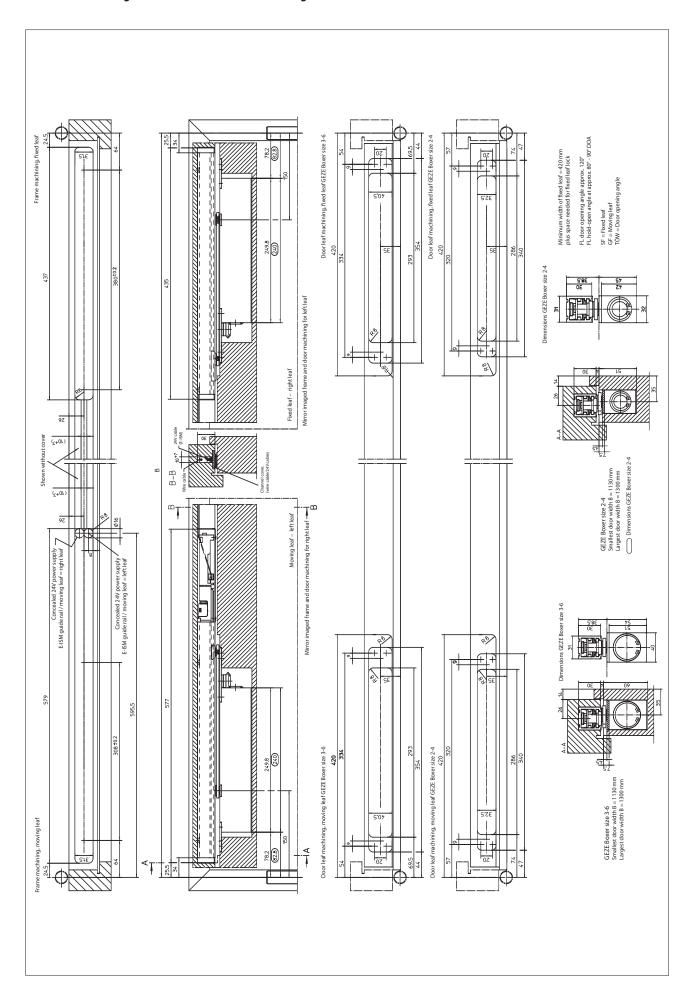
| Product features                    | Boxer ISM guide rail  | Boxer ISM guide rail Boxer ISM guide rail, Bo<br>version for small<br>hinge clearance |         |  |  |
|-------------------------------------|---|---|---------|--|--|
| Minimum hinge clearance             | 1300 mm   | 1130 mm   | 1230 mm |  |  |
| Minimum width of passive leaf       | 540 mm  | 420 mm  | 420 mm  |  |  |
| Product tested in accordance with   | Closing sequence controller tested in accordance with EN 1158 |   |         |  |  |
| Installation depth                  | 31 mm   |   |         |  |  |
| Height                              |   | 30 mm   |         |  |  |
|                                     |   |   |         |  |  |
| Functions                           |   |   |         |  |  |
| Integrated closing sequence control | •   | • •   |         |  |  |
| Integrated hold-open device         | 0 0 0   |   |         |  |  |

 $<sup>\</sup>circ = \mathsf{Optional}$ 

 $<sup>\</sup>bullet = Standard$ 







## **GEZE Boxer ISM – Order information**

| Description   |                   | Version         | ID no. |
|---|-------------------|-----------------|--------|
| 65750   | _                 | 0 mm            | 099728 |
| GEZE Boxer 2-4 closer Size EN 2-4 with back check (without guide rail)  | Spindle extension | 4 mm            | 101759 |
| Size Liv 2-4 with back check (without guide rail)   |                   | 8 mm            | 101760 |
| GEZE Boxer 2-4 2V closer  |                   | 0 mm            | 134448 |
| Size EN 2-4 with back check and independent latching action valve   | Spindle extension | 4 mm            | 134493 |
| (end brake also possible, without guide rail)   |                   | 8 mm            | 134494 |
| CE7E D  |                   | 0 mm            | 099735 |
| GEZE Boxer 3-6 closer Size EN 3-6 with back check (without guide rail)  | Spindle extension | 4 mm            | 101761 |
| Size LIV 5 6 WITH Buck Check (Without guide fall)   |                   | 8 mm            | 101762 |
| Boxer ISM guide rail Boxer with integrated closing sequence control and levers  |                   | silver-coloured | 114141 |
| Boxer ISM guide rail, Boxer version for small hinge clearance specially for small hinge clearances from 1130 mm, with integrated closing sequence control and levers  |                   | silver-coloured | 120894 |
| Boxer ISM guide rail, Boxer version for small passive leaf specially for doors with small fixed leaves from 420 mm, with integrated closing sequence control and levers   |                   | silver-coloured | 128597 |
| Accessories   |                   |                 |        |
| Mechanical hold-open unit for ISM guide rail, adjustable retention force, can be overridden   |                   |                 | 118437 |
| GEZE flexible opening restrictor for guide rail 1-leaf: TS 5000 E/R/RFS (leaf installation), Boxer E; 2-leaf: all E/R-ISM variants TS 5000 and Boxer  |                   |                 | 145311 |
| GEZE carry bar CB flex  |                   | silver-coloured | 153602 |
| for use on all 2-leaf rebated doors. Stepless, concealed length adjust-<br>ment up to 210 mm leaf projection, hinged mechanism not visible, profi-<br>le can be shortened if required, with attachment material | _                 | acc. to RAL     | 153728 |

#### **GEZE Boxer E-ISM**

Integrated door closer system for double-leaf doors with a hinge clearance of up to 2800 mm featuring integrated closing sequence control and electrical hold-open

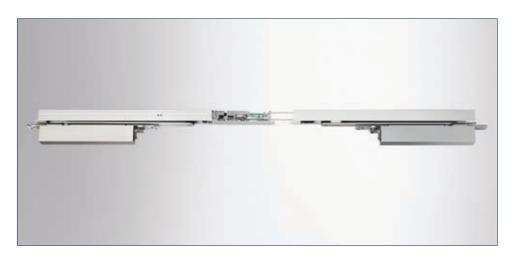
The GEZE Boxer E-ISM system for double-leaf doors consists of the Boxer 2-4 or Boxer 3-6 in the door leaves and the E-ISM guide rail in the frame. The guide rail is fitted with integrated mechanical closing sequence control in accordance with EN 1158 and an electromechanical hold-open mechanism in accordance with EN 1155 on both sides. The E-ISM guide rail is only visible when the door is open. On double-leaf doors it ensures that the active leaf always closes after the passive leaf. The retention force of the electromechanical hold-open mechanism is infinitely adjustable; the hold-open point can be set anywhere between about 80° and about 120°. The hold-open point can be overridden, i.e. the door can be opened wider if needed. Once installed, the infinitely adjustable closing force, closing speed, latching action and hydraulic back check can be adjusted on the door closers. The system can be used on DIN left and right moving leaves without the need for conversion. In addition, the closing sequence control on the ISM guide rail is extremely resistant to vandalism, i.e. the system will not suffer damage even if the active leaf is consciously pushed closed from the waiting position.

An additional door suitability certificate is required for fire protection doors. The system is building code approved with the GEZE smoke switch control units RSZ6. The door must be limited at an opening angle of about 120°.

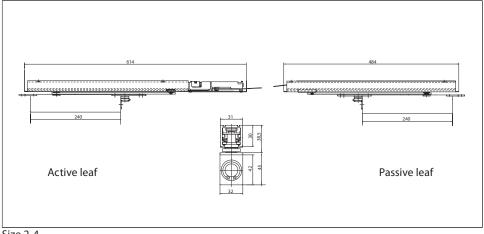
#### **Special versions**

- For doors with narrow hinge clearance, from 1130 mm (opening angle max. 100°)
- For doors with small passive leaf, from 420 mm (opening angle of passive leaf max. 100°)

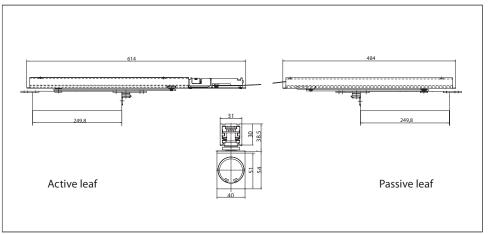
#### **GEZE Boxer E-ISM**



#### **GEZE Boxer E-ISM**

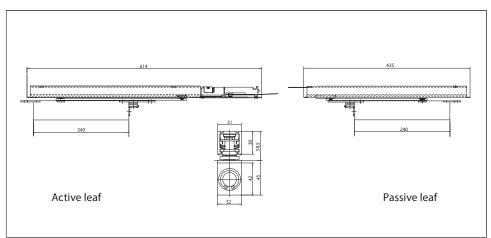


Size 2-4

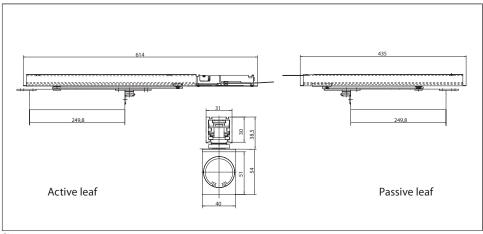


Size 3-6

# GEZE Boxer E-ISM for small passive leaf

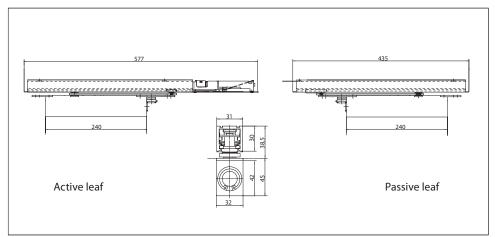


Size 2-4

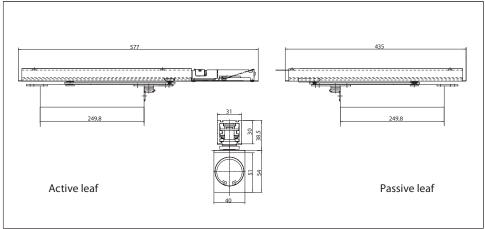


Size 3-6

## GEZE Boxer E-ISM for small hinge clearance



Size 2-4



Size 3-6

## **Application range**

- For double-leaf doors, leaf width of up to 1400 mm
- Min. hinge clearance = 1130 mm (version for small hinge clearance), max. hinge clearance = 2800 mm
- Min. width of passive leaf 420 mm (version for small passive leaf)
- Closer size 2-4 for interior doors up to a leaf width of 1100 mm and a leaf weight of 130 kg
- Closer size 2-4 2V with independent latching action valve. This makes it possible to increase and reduce the latching action speed (brake-to-stop function).
- Closer size 3-6 for interior and exterior doors up to a leaf width of 1400 mm and a leaf weight of 180 kg
- Door leaf thickness from 40 mm for size 2-4, from 50 mm for size 3-6
- For fire protection doors with appropriate suitability certificate

## Closer technical data

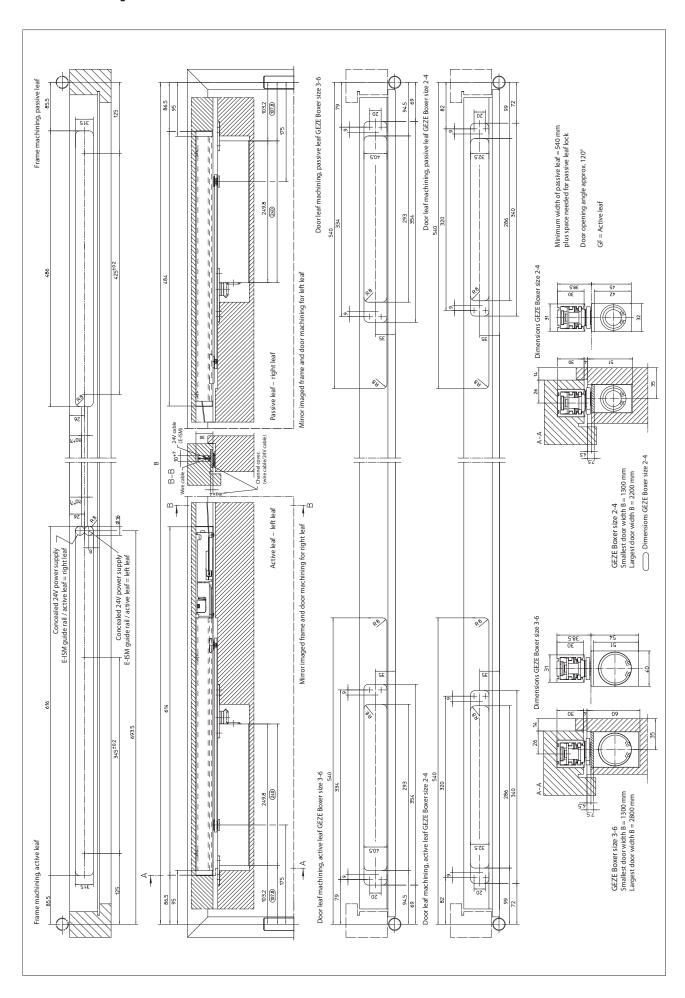
| Product features                                       | GEZE Boxer 2-4 closer                         | GEZE Boxer 2-4 2V closer | GEZE Boxer 3-6 closer |
|--|---|--------------------------|-----------------------|
| Closing force in accordance with EN 1154               | 2 - 4   | 2 - 4                    | 3 - 6                 |
| Leaf width recommended up to                           | 1100 mm                                       | 1100 mm                  | 1400 mm               |
| Leaf weight recommended up to                          | 130 kg  | 130 kg                   | 180 kg                |
| Minimum leaf thickness                                 | 40 mm   | 40 mm                    | 50 mm                 |
| Same version for DIN left and DIN right                | •   | •                        | •                     |
| Product tested in accordance with                      | Door closer tested in accordance with EN 1154 |                          |                       |
| Length   | 286 mm  | 286 mm                   | 293 mm                |
| Installation depth                                     | 32 mm   | 32 mm                    | 40 mm                 |
| Height   | 45 mm   | 45 mm                    | 54 mm                 |
| Functions  |   |                          |                       |
| Adjustable closing force                               |   | Yes, infinitely variable |                       |
| Adjustable closing speed                               | •   | •                        | •                     |
| Adjustable latching action                             | Yes, via valve                                |                          |                       |
| Integrated back check                                  | Yes, hydraulically adjustable                 |                          |                       |
| Closing force adjustment position                      | Тор   |                          |                       |
| Safety valve to protect against vandalism              | •   | •                        | •                     |
| Valve control for regulating the latching action speed |   | •                        |                       |

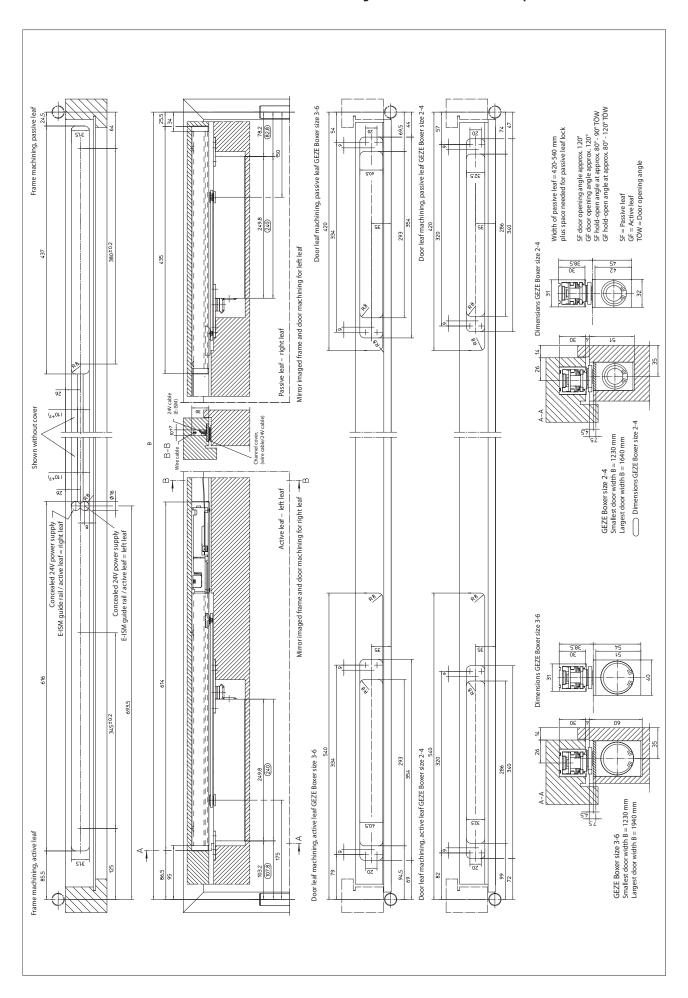
## Guide rail technical data

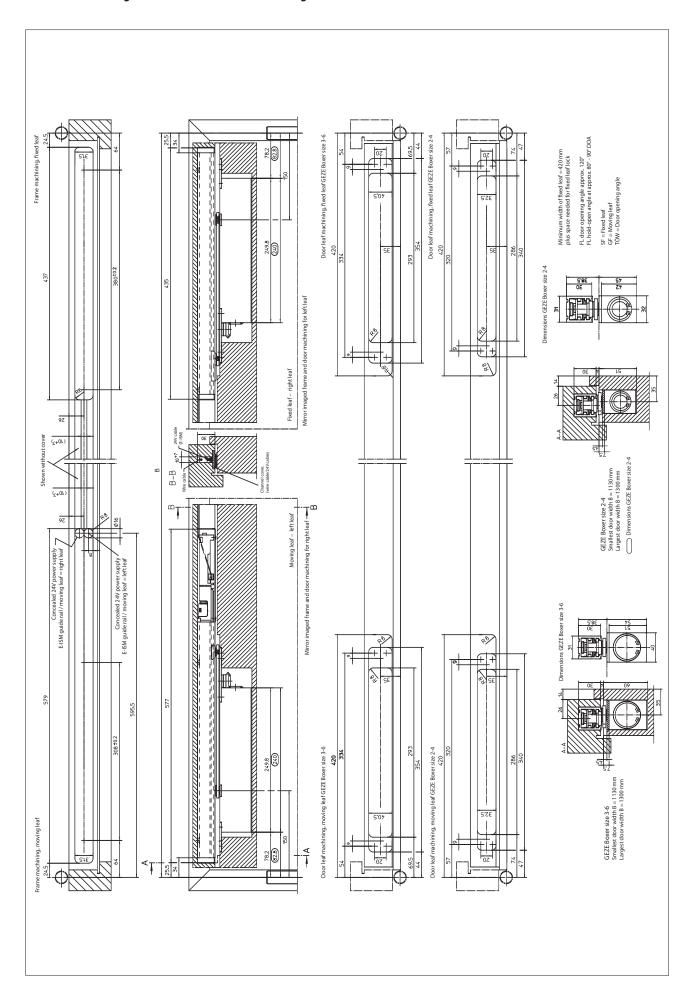
| Product features                                  | Boxer E-ISM<br>guide rail  | Boxer E-ISM<br>guide rail, version<br>for small hinge<br>clearance | Boxer E-ISM<br>guide rail, version<br>for small passive<br>leaf |
|---|--|--|---|
| Minimum hinge clearance                           | 1300 mm  | 1130 mm  | 1230 mm   |
| Minimum width of passive leaf                     | 540 mm 420 mm 420 mm   |  |   |
| Supply voltage                                    | 24V DC   |  |   |
| Enclosure rating                                  | IP 43  |  |   |
| Product tested in accordance with                 | Hold-open mechanism tested in accordance with EN 1155<br>Closing sequence controller tested in accordance with EN 1158 |  |   |
| Installation depth                                | 31 mm  |  |   |
| Height  | 30 mm  |  |   |
| Functions   |  |  |   |
| Integrated closing sequence control               | •  | •  | •   |
| Integrated hold-open device                       | Electrical   |  |   |
| Hold-open mechanism on active leaf / passive leaf |  | • / •  |   |
| Hold-open device, can be activated or deactivated | •  | •  | •   |
| Hold-open device can be overridden                | •  | •  | •   |

 $<sup>\</sup>circ = \mathsf{Optional}$ 

 $<sup>\</sup>bullet$  = Standard







## **GEZE Boxer E-ISM – Order information**

| Description  | Spindle exten-<br>sion | Version                   | ID no.  |
|--|------------------------|---------------------------|---------|
|  | 0 mm                   |                           | 099728  |
| GEZE Boxer 2-4 closer  | 4 mm                   |                           | 101759  |
| Size EN 2-4 with back check (without guide rail)   | 8 mm                   |                           | 101760  |
| CE7E D 0. 4 214 J.   | 0 mm                   |                           | 134448  |
| GEZE Boxer 2-4 2V closer Size EN 2-4 with back check and independent latching action valve   | 4 mm                   |                           | 134493  |
| Spindle extension (end brake also possible, without guide rail)  | 8 mm                   |                           | 134494  |
| opiniale extension (end state also possiste) maneat garde raily  | 0 mm                   |                           | 099735  |
| GEZE Boxer 3-6 closer  | 4 mm                   |                           | 101761  |
| Size EN 3-6 with back check (without guide rail)   | 8 mm                   |                           | 101761  |
| Payar F ICM guida rail   | 0 111111               |                           | 101702  |
| Boxer E-ISM guide rail with integrated closing sequence control,   |                        | silver-coloured           | 114142  |
| electrical hold-open device on both sides, and levers  |                        | Silver coloured           | 114142  |
| Boxer E-ISM guide rail, Boxer version for small hinge clearance specially  |                        |                           |         |
| for small hinge clearances from 1130 mm, with integrated closing se-   |                        | silver-coloured           | 120895  |
| quence control, electrical hold-open device on both sides, and levers  |                        |                           |         |
| Boxer E-ISM guide rail, Boxer version for small passive leaf specially for   |                        |                           |         |
| doors with small fixed leaves from 420 mm, with integrated closing   |                        | silver-coloured           | 128598  |
| sequence control, electrical hold-open device on both sides, and levers  |                        |                           |         |
| Accessories  |                        |                           |         |
| GEZE flexible opening restrictor   |                        |                           |         |
| for guide rail 1-leaf: TS 5000 E/R/RFS (leaf installation), Boxer E;<br>2-leaf: all E/R-ISM variants TS 5000 and Boxer   |                        |                           | 145311  |
|  |                        |                           | 152602  |
| GEZE carry bar CB flex for use on all 2-leaf rebated doors. Stepless, concealed length adjust-   |                        | silver-coloured           | 153602  |
| ment up to 210 mm leaf projection, hinged mechanism not visible, profi-  |                        | acc. to RAL               | 153728  |
| le can be shortened if required, with attachment material  |                        | acc. to NAL               | 155720  |
|  |                        | silver-coloured           | 099851  |
|  |                        | dark bronze               | 099857  |
| GEZE smoke switch control unit RSZ6  |                        | white RAL 9016            | 099858  |
| Smoke switch and energy supply for all GEZE hold-open mechanisms   |                        | Stainless steel effect 1) | 099856  |
|  |                        | acc. to RAL 2)            | 099859  |
|  |                        | silver-coloured           | 154976  |
| Set smoke switch control unit RSZ 6 ECwire   |                        | white RAL 9016            | 154979  |
| Smoke switch control unit ECwire for straightforward wiring with 2-wire  |                        | Stainless steel effect 1) | 154991  |
| technology incl. 2 ceiling-mounted smoke detectors GC 162 (White)  |                        | acc. to RAL 2)            | 154980  |
| GEZE smoke detector GC 152   |                        | dec. to This              | 13 1300 |
| Complete with base, 24 V DC, 20 mA, tested to EN54-7, with general ap-   |                        | 1.6                       |         |
| proval for use with all GEZE hold-open systems, integrated line control,   |                        | white                     | 139850  |
| conform with DIN EN 14637  |                        |                           |         |
| GEZE thermal detector GC 153   |                        |                           |         |
| Complete with base, 24 V DC, 20mA, tested to EN54-5, with general ap-  |                        | white                     | 139881  |
| proval for use with all GEZE hold-open systems, integrated line control,   |                        |                           |         |
| conform with DIN EN 14637  |                        |                           |         |
| GEZE manual trigger switch   |                        | Alminaudita               | 116266  |
| Flush-mounted version, for the manual release of electrically controlled hold-open devices including terminating resistance for line monitoring  |                        | Alpine white              | 116266  |
| Single surface-mounted socket matches the AS500 switch range   |                        |                           | 120503  |
|  |                        |                           | 120303  |
| GEZE circuit breaker with glass pane and 5 interchangeable labels Flush-mounted version, for the manual release of electrically controlled   |                        | Alpine white              | 120880  |
| hold-open devices including terminating resistance for line monitoring   |                        | Alphie Wille              | 120000  |
| Replacement pane for GEZE circuit breaker 120880   |                        |                           | 010994  |
| The state of the s |                        |                           | 0.0001  |

<sup>1)</sup> Only suitable for dry rooms

<sup>2)</sup> Surcharge for special RAL colours, see general information

#### **GEZE Boxer ISM-EFS**

Integrated door closer system for 2-leaf doors up to 2800 mm hinge clearance with integrated closing sequence control and electric free swing function on the active leaf

The GEZE Boxer ISM-EFS system for double leaf doors consists of the Boxer EFS 4-6 with free swing function on the active leaf, a Boxer 2-4 or Boxer 3-6 on the passive leaf and the ISM guide rail with integrated mechanical closing sequence control in accordance with EN 1158 in the door frame. The ISM guide rail is only visible when the door is open. On double leaf doors, it ensures that the active leaf always closes after the passive leaf. The free swing function allows the active leaf to be used with minimum resistance in the direction of opening or closing e.g. in homes for the elderly or hospitals after the door has been opened once (such as in the morning).

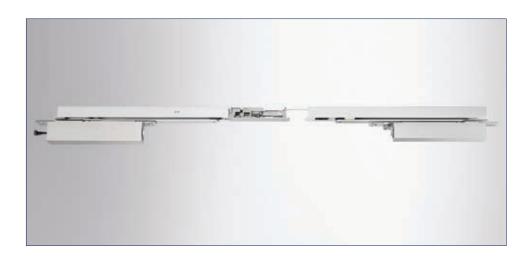
Once installed, the closing speed, latching action and closing force on the passive leaf can be adjusted on the door closers. The system can be used for left hand or right hand active leaves with the need for conversion. In addition, the closing sequence control of the ISM rail is extremely resistant to vandalism, i.e. the system will not suffer damage even if the active leaf is consciously pushed closed from the waiting position.

An additional door suitability certificate is required for fire protection doors. The system is building code approved with the GEZE smoke switch control unit RSZ6. The door must be limited at an opening angle of about 120°.

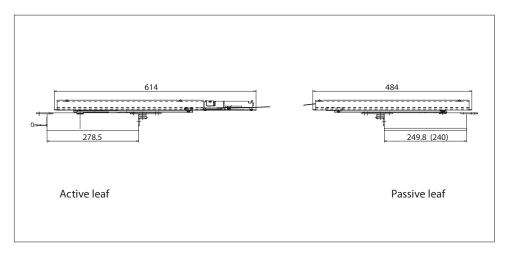
#### **Special versions**

• For doors with small passive leaf, from 420 mm (opening angle of passive leaf max. 100°)

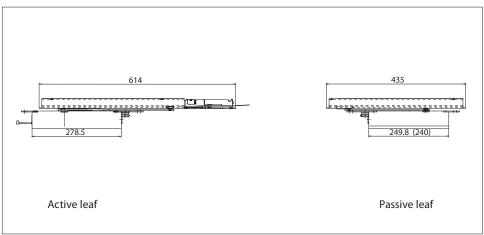
#### **GEZE Boxer ISM-EFS**



#### **GEZE Boxer ISM-EFS**



## GEZE Boxer ISM-EFS for small passive leaf



## **Application range**

- For 2-leaf doors, leaf width up to 1400 mm, with comfort hold-open function at the end of the free swing area for easier latching of the active leaf
- $\bullet \ \ \text{Min. hinge clearance} = 1230 \ \text{mm} \ (\text{version for small passive leaf}), \ \text{max. hinge clearance} = 2800 \ \text{mm}$
- Min. width of passive leaf 420 mm (version for small passive leaves)
- Closer size 3-6 for doors up to 1400 mm leaf width and 180 kg leaf weight
- Closer size 2-4 2V with independent latching action valve. This makes it possible to increase and reduce the latching action speed (brake-to-stop function).
- Door leaf thickness from 50 mm
- For fire protection doors with respective suitability certificate

## Closer technical data

| Product features                                       | GEZE Boxer 2-4<br>closer                            | GEZE Boxer 2-4<br>2V closer                         | GEZE Boxer 3-6<br>closer                            | GEZE Boxer<br>EFS 4-6   |
|--|---|---|---|---|
| Closing force in accordance with EN 1154               | 2 - 4   | 2 - 4   | 3 - 6   | 4 - 6   |
| Leaf width recommended up to                           | 1100  | 1100 mm 1400  |   | ) mm  |
| Leaf weight recommended up to                          | 130   | ) kg  | 180 kg  | 180 kg  |
| Minimum leaf thickness                                 | 40 mm   | 40 mm   | 50 mm   | 50 mm   |
| Same version for DIN left and DIN right                | •   | •   | •   | •   |
| Supply voltage   |   |   |   | 24 V DC   |
| Enclosure rating                                       |   |   |   | IP 43   |
| Product tested in accordance with                      | Door closer tested<br>in accordance<br>with EN 1154 | Door closer tested<br>in accordance<br>with EN 1154 | Door closer tested<br>in accordance<br>with EN 1154 | Door closer tested in accordance with EN 1154 Hold-open mechanism tested in accordance with EN 1155 |
| Length   | 286 mm  | 286 mm  | 293 mm  | 332 mm  |
| Installation depth                                     | 32 mm   | 32 mm   | 40 mm   | 40 mm   |
| Height   | 45 mm   | 45 mm   | 54 mm   | 54 mm   |
| Functions  |   |   |   |   |
| Adjustable closing force                               | Yes, infinitely variable                            | Yes, infinitely variable                            | Yes, infinitely variable                            | Yes, infinitely variable  |
| Adjustable closing speed                               | •   | •   | •   | •   |
| Adjustable latching action                             |   | Yes, via valve                                      |   |   |
| Integrated back check                                  | Yes, hydraulically adjustable                       | Yes, hydraulically adjustable                       | Yes, hydraulically adjustable                       | Yes, mechanically in the guide rail   |
| Closing force adjustment position                      |   | Тор   |   |   |
| Safety valve to protect against vandalism              | •   | •   | •   | •   |
| Valve control for regulating the latching action speed |   | •   |   |   |
| Integrated hold-open device                            |   |   |   | electrical / for free<br>swing function   |

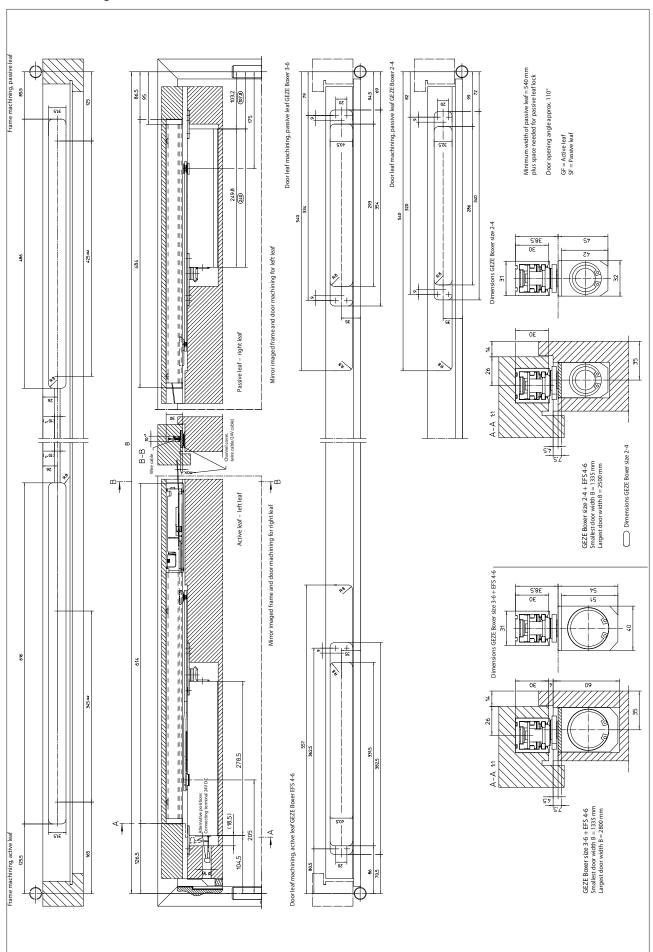
## Guide rail technical data

| Product features                    | Boxer ISM guide rail  | Boxer ISM guide rail,<br>version for small passive leaf |  |
|-------------------------------------|---|---|--|
| Minimum hinge clearance             | 1300 mm   | 1230 mm   |  |
| Minimum width of passive leaf       | 540 mm  | 420 mm  |  |
| Product tested in accordance with   | Closing sequence controller tested in accordance with EN 1158 |   |  |
| Installation depth                  | 31 mm   |   |  |
| Height                              | 30 mm   |   |  |
| Functions                           |   |   |  |
| Integrated closing sequence control | •   | •   |  |

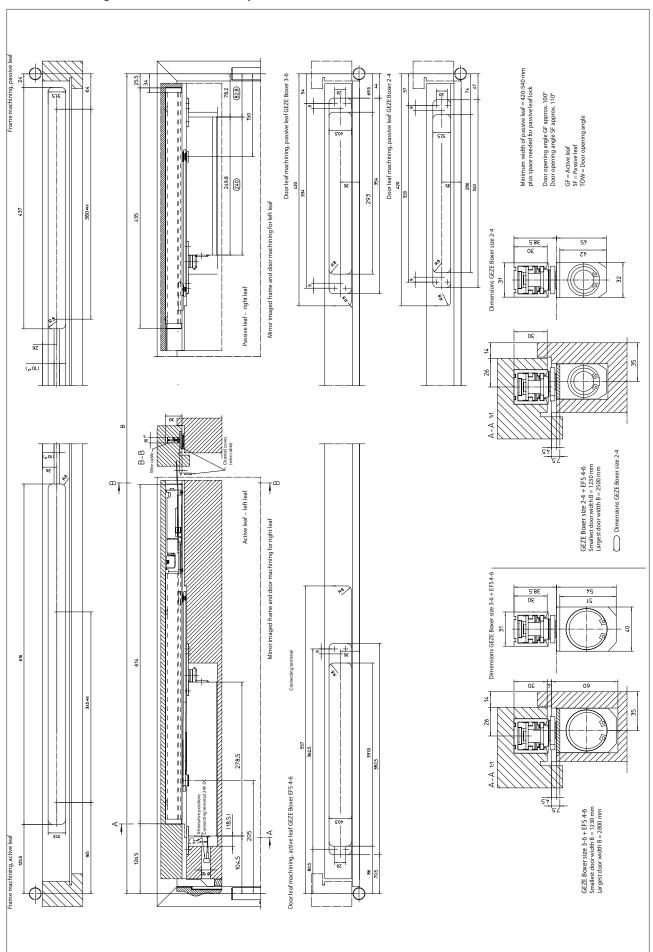
 $<sup>\</sup>circ = Optional$ 

 $<sup>\</sup>bullet$  = Standard

## Installation drawing GEZE Boxer ISM-EFS Standard in wooden door



# Installation drawing GEZE Boxer ISM-EFS small passive leaf in wooden door



# **GEZE Boxer ISM-EFS – Order information**

| Description  | Spindle exten-<br>sion | Version                      | ID no. |
|--|------------------------|------------------------------|--------|
| GEZE Boxer EFS 4-6<br>Size EN 4-6, with electric free swing function incl. free swing lever with comfort   | 0 mm                   |                              | 153559 |
| hold-open function   |                        |                              |        |
| GEZE spindle extension Boxer EFS 4-6   | 4 mm                   |                              | 153573 |
|  | 8 mm                   |                              | 153574 |
| GEZE Boxer 2-4 closer  | 0 mm                   |                              | 099728 |
| Size EN 2-4 with back check (without guide rail)   | 4 mm                   |                              | 101759 |
|  | 8 mm                   |                              | 101760 |
| GEZE Boxer 2-4 2V closer   | 0 mm                   |                              | 134448 |
| Size EN 2-4 with back check and independent latching action valve (end brake also possible, without guide rail)  | 4 mm                   |                              | 134493 |
| (eria brake also possible, without guide fall)   | 8 mm                   |                              | 134494 |
| CE7E Davis 2 C Clare   | 0 mm                   |                              | 099735 |
| GEZE Boxer 3-6 Closer Size EN 3-6 with back check (without guide rail)   | 4 mm                   |                              | 101761 |
|  | 8 mm                   |                              | 101762 |
| ISM guide rail Boxer with integrated closing sequence control and levers   |                        | silver-coloured              | 114141 |
| ISM guide rail Boxer variant, small passive leaf especially for doors with small passive leaf from 420 mm, with integrated closing sequence control and levers   |                        | silver-coloured              | 128597 |
| Accessories  |                        |                              |        |
| GEZE flexible opening restrictor<br>for guide rail 1-leaf: TS 5000 E/R/RFS (leaf installation), Boxer E;<br>2-leaf: all E/R-ISM variants TS 5000 and Boxer   |                        |                              | 145311 |
| GEZE carry bar CB flex   |                        | silver-coloured              | 153602 |
| for use on all 2-leaf rebated doors. Stepless, concealed length adjustment up to 210 mm leaf projection, hinged mechanism not visible, profile can be shortened if required, with attachment material                                |                        | acc. to RAL <sup>1)</sup>    | 153728 |
|  |                        | silver-coloured              | 099851 |
|  |                        | dark bronze                  | 099857 |
| GEZE smoke switch control unit RSZ 6<br>Smoke switch and power supply for all GEZE hold-open mechanisms  |                        | white RAL 9016               | 099858 |
|  |                        | simulated stainless<br>steel | 099856 |
|  |                        | acc. to RAL 1)               | 099859 |
|  |                        | silver-coloured              | 154976 |
| Set smoke switch control unit RSZ 6 ECwire   |                        | white RAL 9016               | 154979 |
| Smoke switch control unit ECwire for straightforward wiring with 2-wire technology incl. 2 ceiling-mounted smoke detectors GC 162 (White)  |                        | simulated stainless<br>steel | 154991 |
|  |                        | acc. to RAL 1)               | 154980 |
| GEZE smoke detector GC 152<br>Complete with base, 24 V DC, 20 mA, tested in accordance with EN54-7,<br>with general approval for use with all GEZE hold-open systems, integrated<br>line monitoring, in accordance with DIN EN 14637 |                        | white                        | 139850 |
| GEZE thermal detector GC 153<br>Complete with base, 24 V DC, 20 mA, tested in accordance with EN54-5,<br>with general approval for use with all GEZE hold-open systems, integrated<br>line control, in accordance with DIN EN 14637  |                        | white                        | 139881 |
| GEZE manual trigger switch<br>flush-mounted version for the manual release of electrically controlled hold-<br>open mechanisms including terminating resistance for line monitoring  |                        | alpine white                 | 116266 |
| GEZE manual trigger switch<br>(with glass pane and 5 interchangeable labels), flush-mounted version<br>for the manual release of electrically controlled hold-open mechanisms  |                        | alpine white                 | 120880 |
| Surface-mounted box, single<br>Matching the AS 500 switch range  |                        | alpine white                 | 120503 |
| Replacement glass cover for GEZE manual trigger switch 120880 and 120881   |                        |                              | 010994 |

## **GEZE Boxer P**

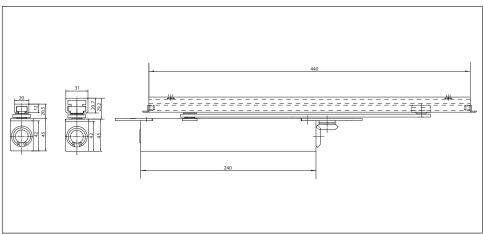
## Integrated door closer for single-leaf double-action doors with a leaf width of up to 1100 mm

The GEZE Boxer 2-4 integrated door closer with double-action guide rail is suitable for installation in lightweight double-actions doors. It is fully incorporated into the door leaf and is not visible when the door is closed. Once installed, the closing force, closing speed, latching action and hydraulic back check can be conveniently adjusted from the top. The door must be limited at an opening angle of about 120°.

#### **GEZE Boxer P**



#### **GEZE Boxer P**



# **Application range**

- For double-action doors up to a leaf width of 1100 mm
- Leaf weights up to 80 kg
- Leaf thickness min. 40 mm

# Closer technical data

| Product features                                       | GEZE Boxer 2-4 closer         | GEZE Boxer 2-4 2V closer                      |  |
|--|-------------------------------|---|--|
| Closing force in accordance with EN 1154               | 2 - 4                         | 2-4   |  |
| Leaf width recommended up to                           | 1100 mm                       | 1100 mm                                       |  |
| Leaf weight recommended up to                          | 80 kg                         | 80 kg   |  |
| Minimum leaf thickness                                 | 40 mm                         | 40 mm   |  |
| Same version for DIN left and DIN right                | •                             | •   |  |
| Product tested in accordance with                      | Door closer tested in a       | Door closer tested in accordance with EN 1154 |  |
| Length   | 286 mm                        | 286 mm  |  |
| Installation depth                                     | 32 mm                         | 32 mm   |  |
| Height   | 45 mm                         | 45 mm   |  |
| Functions  |                               |   |  |
| Adjustable closing force                               | Yes, infinit                  | Yes, infinitely variable                      |  |
| Adjustable closing speed                               | •                             | •   |  |
| Adjustable latching action                             | Yes, via valve                |   |  |
| Integrated back check                                  | Yes, hydraulically adjustable |   |  |
| Closing force adjustment position                      | Тор                           |   |  |
| Safety valve to protect against vandalism              | •                             |   |  |
| Valve control for regulating the latching action speed |                               | •   |  |

# Guide rail technical data

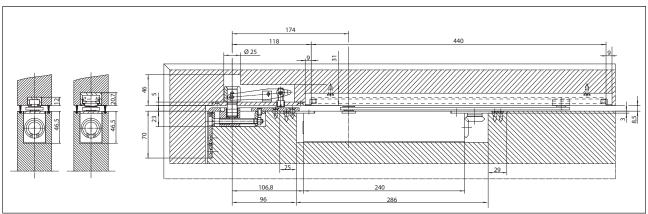
| Product features                                  | Boxer guide rail, 12 mm | Boxer guide rail, 20.7 mm |  |
|---|-------------------------|---------------------------|--|
| For use on single-action/double-action doors      | Double-action door      |                           |  |
| Length  | 440                     | 440 mm                    |  |
| Installation depth                                | 20 mm                   | 31 mm                     |  |
| Height  | 12 mm                   | 20,7 mm                   |  |
|   |                         |                           |  |
| Functions   |                         |                           |  |
| Integrated opening restrictor                     | 0                       | 0                         |  |
| Integrated hold-open device                       | 0                       | Mechanical                |  |
| Hold-open device, can be activated or deactivated |                         | •                         |  |
| Hold-open device can be overridden                |                         | •                         |  |

 $<sup>\</sup>circ = Optional$ 

 $<sup>\</sup>bullet = Standard$ 

# Installation drawing

Boxer P size 2-4



Installation on wooden door



Hermitage Museum, Amsterdam, Netherlands (Photo: Erwin Kamphuis)

# **GEZE Boxer P – Order information**

| Description   | Spindle exten-<br>sion | Version         | ID no. |
|---|------------------------|-----------------|--------|
| CETE December 2 Andrews 1 - ENI 2 And 14 hand of the land   | 0 mm                   |                 | 099728 |
| GEZE Boxer 2-4 closer size EN 2-4 with back check (without guide rail)  | 4 mm                   |                 | 101759 |
| (Without guide fail)  | 8 mm                   |                 | 101760 |
| GEZE Boxer 2-4 2V closer  | 0 mm                   |                 | 134448 |
| Size EN 2-4 with back check and independent latching action valve (end  | 4 mm                   |                 | 134493 |
| brake also possible, without guide rail)  | 8 mm                   |                 | 134494 |
| Boxer 12 mm guide rail  | _                      | silver-coloured | 129344 |
| with lever for double-action doors, installation height 12 mm<br>(Boxer 2-4 only)   |                        | acc. to RAL 1)  | 135733 |
| Boxer 20.7 mm guide rail  |                        | silver-coloured | 104246 |
| with lever for double-action doors and mechanical hold-open, installation height 20.7 mm (Boxer 2-4 only)   | -                      | acc. to RAL 1)  | 135731 |
| Accessories   |                        |                 |        |
| Mechanical hold-open unit for Standard / T-Stop / Boxer 20.7 mm guide rail, adjustable retention force, can be activated/deactivated and overridden |                        |                 | 071924 |
| Mechanical hold-open unit for Boxer 12 mm guide rail, adjustable retention force, cannot be overridden  |                        |                 | 129145 |
| Flexible opening restrictor for lightweight doors for riveted, Standard BG and Boxer 20.7 mm guide rails  |                        |                 | 069780 |
| Flexible opening restrictor for lightweight doors for Boxer 12 mm guide rail  |                        |                 | 129343 |

<sup>1)</sup> Surcharge for special RAL colours, see general information

## GEZE smoke switch control unit RSZ6 / RSZ6 ECwire

## Smoke switch and energy supply for all GEZE hold-open mechanisms

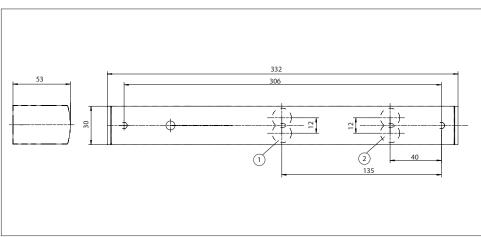
The GEZE smoke switch control unit RSZ6 features the typical GEZE design and has an installation height of 30 mm. It is connected to the 230V mains and provides a reliable supply of 24V DC voltage to the connected hold-open mechanisms (max. 200mA).

The smoke switch control unit is mounted on the vertical wall above the door opening and therefore acts as an early fire and smoke warning system (please leave at least 20 mm clearance to the ceiling). When the alarm is activated, the supply of voltage to the hold-open mechanisms (e.g. electrical hold-open in the guide rail or retention magnet) is interrupted and the doors close immediately. Two additional ceiling detectors can be connected, depending on requirements. The integrated smoke switch is fitted with automatic adaptation of the alarm threshold. This compensates for any slight soiling of the smoke chamber and increases its service life. The current status of the smoke switch is displayed visually.

# GEZE smoke switch control unit RSZ6



# GEZE smoke switch control unit RSZ6



- (1) = Additional connections
- (2) = Concealed power supply 230V AC

## **Application range**

• Approved for use with all GEZE hold-open mechanisms

# GEZE smoke switch control unit RSZ6 - Order information

| Description  | Version                         | ID no. |
|--|---------------------------------|--------|
| GEZE smoke switch control unit RSZ 6<br>Smoke switch and power supply for all GEZE hold-open mechanisms  | silver-coloured                 | 099851 |
|  | dark bronze                     | 099857 |
|  | white RAL 9016                  | 099858 |
|  | simulated stainless<br>steel 1) | 099856 |
|  | acc. to RAL 2)                  | 099859 |
|  | silver-coloured                 | 154976 |
| Set smoke switch control unit RSZ 6 ECwire   | white RAL 9016                  | 154979 |
| Smoke switch control unit ECwire for straightforward wiring with 2-wire technology incl. 2 ceiling-mounted smoke detectors GC 162 (White)  | simulated stainless<br>steel 1) | 154991 |
|  | acc. to RAL 2)                  | 154980 |
| Accessories  |                                 |        |
| GEZE smoke detector GC 152<br>Complete with base, 24 V DC, 20 mA, tested in accordance with EN54-7, with general approval<br>for use with all GEZE hold-open systems, integrated line monitoring, in accordance with DIN<br>EN 14637 | white                           | 139850 |
| GEZE thermal detector GC 153<br>Complete with base, 24 V DC, 20 mA, tested in accordance with EN54-5, with general approval<br>for use with all GEZE hold-open systems, integrated line control, in accordance with DIN EN<br>14637  | white                           | 139881 |
| GEZE manual trigger switch flush-mounted version for the manual release of electrically controlled hold-open mechanisms including terminating resistance for line monitoring   | alpine white                    | 116266 |
| GEZE manual trigger switch with glass pane and 5 interchangeable labels flush-mounted version for the manual release of electrically controlled hold-open mechanisms including terminating resistance for line monitoring            | alpine white                    | 120880 |
| Surface-mounted box, single<br>Matching the AS 500 switch range  |                                 | 120503 |
| Replacement glass cover for GEZE manual trigger switch 120880 and 120881   |                                 | 010994 |

<sup>1)</sup> Only suitable for dry rooms

<sup>2)</sup> Surcharge for special RAL colours, see general information.



Residential care home for the elderly Zamenhof, Stuttgart, Germany (Photo: Dirk Wilhelmy)

You will find more product information in the relevant brochures, see ID numbers.

| Door   | technology   |
|--------|--|
| 01     | Overhead door closers<br>ID 091593, ID 091594                  |
| 02     | Hold-open systems<br>ID 091593, ID 091594                      |
| 03     | Integrated door closers ID 091609                              |
| 04     | Floor springs and all-glass fittings ID 091607                 |
| 05     | Sliding fitting systems and linear guides ID 123605, ID 000586 |
| Autor  | natic door systems   |
| 06     | Swing doors<br>ID 144785                                       |
| 07     | Sliding, telescopic and folding doors<br>ID 143639             |
| 08     | Curved sliding doors<br>ID 135772                              |
| 09     | Revolving doors ID 132050                                      |
| 10     | Actuation devices and sensors ID 142655                        |
| Smok   | e and heat extraction and window technology                    |
| 11     | Fanlight opening systems ID 127787                             |
| 12     | Electric opening and locking systems ID 127785, ID 127789      |
| 13     | Electrical spindle and linear drives<br>ID 127785, ID 127789   |
| 14     | Electric chain drives<br>ID 127785, ID 127789                  |
| 15     | Smoke and heat extraction systems ID 127785, ID 139075         |
| Safety | y technology   |
| 16     | Emergency exit systems ID 132408                               |
| 17     | Access control systems ID 132158                               |
| 18     | Panic locks<br>ID 132848                                       |
| 19     | Electric strikes<br>ID 148666                                  |
| 20     | Building management system<br>ID 132408                        |
| Glass  | systems  |
| 21     | Manual sliding wall systems (MSW) ID 104377                    |
| 22     | Integrated all-glass systems (IGG)                             |



ID 104366



## **Door technology**

The functionality, superior performance and reliability of GEZE door closers are impressive. A common design across the range, the ability to use them on all common door leaf widths and weights, and the fact that they can be individually adjusted makes their selection simple. They are continually being improved and enhanced with up-to-date features. For example, the requirements of fire protection and accessibility are fulfilled with a door closer system.

## **Automatic door systems**

GEZE automatic door systems open up a huge variety of options in door design. The latest, innovative high-performance drive technology, safety, ease of accessibility and first class universal drive design set them apart. GEZE offers complete solutions for individual requirements. A dedicated division is responsible for the development and construction of individual special designs.

# Smoke and heat extraction and window technology

GEZE smoke and heat extraction systems and ventilation technology provide complete systems solutions combining the many requirements of different types of windows. We supply a full range from energy efficient drive systems to natural ventilation and complete solutions for supplying and extracting air, also as certified SHEVs.

# Safety technology

GEZE safety technology sets the standards where preventative fire protection, access control and anti-theft security in emergency exits are concerned. For each of these objectives GEZE offers tailored solutions, which combine the individual safety requirements in one intelligent system and close doors and windows in case of danger in a coordinated manner.

### **Building systems**

In GEZE's Building Management System GEZE door, window and safety products can be integrated in to the security and control systems of the building. A central control and visualisation system monitors various automation components in the building and offers security through many different networking capabilities.

#### **Glass systems**

GEZE glass systems stand for open and transparent interior design. They can either blend discreetly into the architecture of the building or stand out as an accentuated feature. GEZE offers a wide variety of technologies for functional, reliable and aesthetic sliding wall or sliding door systems providing security with lots of design scope.

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