



OVERVIEW OF GEZE DOOR CLOSER SYSTEMS OVERHEAD, INTEGRATED AND FLOOR SPRINGS



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GEZE door closer systems – Versatile and reliable

Innumerable optical and technical options

As one of the world's leading suppliers of door technology systems, GEZE offers innovative solutions for door closer systems. GEZE products have always been developed around the needs of customers, therefore the company offers direct solutions for individual requirements – aesthetic, functional and economical.

Door closers from GEZE impress with their intelligent functionality, their high performance, and their long life spans, as well as the integrated design lines. GEZE's quality management system has been certified to ISO 9001. GEZE door closers have been inspected and certified in accordance with the applicable standards EN 1154, EN 1155 and EN 1158. Production of these products is regularly monitored by independent test institutes. All these measures guarantee the high quality of GEZE products.

At GEZE, comprehensive customer support and advice have top priority. From draft planning through execution to maintenance of the systems. First-class spare parts management supplements the range of services.

The new GEZE door closer TS 5000 Ecline: High access convenience and large closing force

With the new TS 5000 Ecline system, GEZE is taking a further step forward in the development of its door closers, and is bringing a completely optimised, innovative door closer to the market. It fulfills both fire protection and barrier-free building requirements. Doors with leaf widths of up to 1250 millimetres (EN5) can be opened easily with reduced force. In the case of emergency, the TS 5000 Ecline closes doors safely and reliably.

Visit www.geze.com/ecline for more detailed information about the new TS 5000 Ecline.

Overview of GEZE door closers

Overhead door closers with guide rail



TS 5000 Ecline

Overhead door closers with link arm



TS 4000

Integrated door closers



Boxer 2-4

Floor springs



TS 550 NV

More detailed information about the GEZE door closers can be found in the respective door closer product brochures.

GEZE OVERHEAD DOOR CLOSERS WITH GUIDE RAIL

GEZE Overhead door closers with guide rail

Brief description of the variants

For single-leaf doors

Door closer for single-leaf doors with guide rails represent modern closing technology at every door. The wide range of GEZE door closer technologies ensures that there is a technical solution for every requirement, for example, with electric hold-open device, with smoke switch control unit or with a freeswing function. These products meet the DIBt guidelines for hold-open devices as well as the norms and standards, such as DIN EN 1154 and 1155, and also have a CE mark respectively a general building approval (DiBt).



TS 1500 G: Door closer with guide rail

The overhead door closer TS 1500 G with guide rail for single-leaf doors is particularly suitable for internal doors with door leaf widths up to 850 mm and can be used for right and left single-action doors without conversion.



TS 3000 V: Door closer up to 1100 mm leaf width

The overhead door closer TS 3000 V is suitable for right and left single-leaf doors up to 1100 mm and for installation on fire and smoke-proof doors.



TS 5000 Ecline / TS 5000 L Ecline: Door closers with high access convenience and large closing force

These overhead door closers are suitable for accessible, easy opening single-leaf doors up to 1250 mm leaf width (closing force EN5). They are the ideal system solution for barrier-free building and guarantee high access convenience thanks to the opening support integrated in the guide rail.



TS 5000 / TS 5000 L: Door closers up to 1400 mm leaf width

These overhead door closers for single-leaf doors represent clear lines. They are approved for use on fire and smoke-proof doors. Special version: GEZE door closer TS 5000 S with delayed closing action adjustable from the front.

GEZE OVERHEAD DOOR CLOSERS WITH GUIDE RAIL



TS 5000 E / TS 5000 L-E: Door closers with electric hold-open device

The electric hold-open device in the guide rail allows these overhead door closers to be adjusted continuously to an exact hold-open angle. When combined with an external smoke switch control unit (e.g. RSZ 6), the hold-open function is released in the event of a fire and the door closes safely.



TS 5000 EFS: Door closer with freeswing function

The overhead door closer TS 5000 EFS for single-leaf doors is fitted with the freeswing function. This enables people to go through the door by applying reduced physical force in the opening or closing direction once the door has been opened. When combined with an external smoke switch control unit, the electric freeswing function is released and the door closes automatically in the event of a fire.



TS 5000 RFS: Door closer with freeswing function and smoke switch control unit

The overhead door closer TS 5000 RFS for single-leaf doors is fitted with an integrated smoke switch and the electric freeswing function. This enables people to go through the door by applying reduced physical force in the opening or closing direction after the door has been opened once, i.e. in the morning. The electric freeswing function is released by the integrated smoke switch control unit and the door closes automatically in the event of a fire.



TS 5000 R / TS 5000 L-R: Door closers with smoke switch control unit

These overhead door closers with electric hold-open device and integrated smoke switch control unit are approved for installation on single-leaf fire and smoke-proof doors. In the event of a fire, the smoke detector triggers and the door closes automatically.

GEZE OVERHEAD DOOR CLOSERS WITH GUIDE RAIL

For double-leaf doors

The integrated closing sequence control (ISM) ensures the correct closing sequence of both leaves at double-leaf doors. When the door is closed, the active leaf remains in waiting position until the fixed leaf is closed and releases the active leaf via the closing sequence control.

The double-leaf door closer systems of the ISM series offer numerous specific setting options. Various versions, for example, the electric hold-open device with smoke switch control unit or freeswing function fulfil almost every requirement.

These products meet the DIBt guidelines for hold-open devices as well as the norms and standards, such as DIN EN 1154, 1155 and 1155, and also have a CE mark respectively a general building approval (DiBt).



TS 5000 ISM / TS 5000 L-ISM / TS 5000 L-ISM VPK: Door closers with closing sequence control

System solutions comprising two TS 5000 with adjustable closing force 2-6 in accordance with EN 1154, combined with the ISM guide rail, tested in accordance with EN 1158 and approved for fire and smoke-proof doors.

For opposite hinge side standard or panic function on the active leaf only: TS 5000 L-ISM

For opposite hinge side full panic requirements up to X-dimension 125 mm: TS 5000 L-ISM VPK



TS 5000 ISM-EFS: Door closer with freeswing function

For the system solution TS 5000 ISM-EFS for double-leaf doors, the freeswing function is realised using the ISM-EFS guide rail and the TS 5000 E Hy door closer on the active leaf. The door has to be opened to approx. 90° once to activate the freeswing function. The fixed leaf closes automatically due to the overhead TS 5000 door closer. In the event of a fire, the electric freeswing function is released by an external smoke switch control unit and the door closes safely.



TS 5000 E-ISM / TS 5000 L-E-ISM / TS 5000 L-E-ISM VPK: Door closers with electric hold-open device

These overhead door closers for double-leaf doors with integrated, invisible closing sequence control are equipped with an electric hold-open function in the guide rail which allows continuous setting of the hold-open angle. When the system is combined with an external smoke switch control unit, the hold-open position is released in the event of a fire. These door closers are approved for use on fire and smoke-proof doors.



TS 5000 R-ISM / TS 5000 L-R-ISM / TS 5000 L-R-ISM VP: Door closers with hold-open device and smoke switch control unit

This system solution for double-leaf doors with electric hold-open device on both sides and integrated smoke switch control unit is approved for use on fire and smoke-proof doors. In the event of a fire, the smoke detector triggers and the door closes automatically. For opposite hinge side: TS 5000 L-R-ISM (standard or panic function on the active leaf only) and TS 5000 L-R-ISM VP (full panic requirements up to X-dimension 100 mm).



TS 5000 R-ISM-EFS: Door closer with freeswing function and smoke switch control unit

In the case of the system solution TS 5000 R-ISM-EFS for double-leaf doors, the freeswing function is realised using the R-ISM-EFS guide rail and the TS 5000 E-HY door closer on the active leaf. The door must be opened once to approximately 90°. The fixed leaf closes automatically thanks to the overhead TS 5000 door closer. In the event of a fire, the electric freeswing function is released by the integrated smoke switch control unit and the door closes safely.

GEZE OVERHEAD DOOR CLOSERS WITH GUIDE RAIL

Overview table for GEZE system TS 5000

For single-leaf doors

	TS 1500 G	TS 3000 V	TS 5000 ECLine	TS 5000 L ECLine	TS 5000	TS 5000 L	TS 5000 E	TS 5000 L-E	TS 5000 R	TS 5000 L-R	TS 5000 EFS	TS 5000 RFS
Approval for fire and smoke protection doors ¹³⁾		•	•	•	•	•	•	•	•	•	•	•
Barrier-free in accordance with DIN 18040 up to leaf width (max.) in mm	EN1 750	EN4 1100	EN5 1250	EN5 1250	EN4 1100	EN4 1100	FSA	FSA	FSA	FSA	FSA FL	FSA FL
Closing force in accordance with EN 1154	1	1-4	3-5	3-5	2-6	2-6	2-6	2-6	2-6	2-6	2-5	2-5
Max. door leaf width (mm)	750	1100	1250	1250	1400	1400	1400	1400	1400	1400	1250	1250
Mounting options												
Door leaf installation, hinge side	•	•	•		•		•		•		•	•
Transom installation, hinge side		•		•		•					• ⁴⁾	• ⁴⁾
Opening angle (max.) hinge side ⁸⁾	180°	180°	180°	180°	180°	180°	180°	8)	180°	8)	180°	180°
Door leaf installation, opposite hinge side		•		•		•		•		•		
Transom installation, opposite hinge side		•	•		•							
Functions												
Adjustable closing force		•	•	•	•	•	•	•	•	•	•	•
Adjustable back check		• ²⁾	• ¹²⁾	•	• ¹²⁾	•	•	•	•	•		
Adjustable hydraulic latching action	•	•	•	•	•	•	•	•	•	•	•	•
Adjustable delayed closing action					• ¹⁾							
Adjustable closing speed	•	•	•	•	•	•	•	•	•	•	•	•
Integrated opening support			•	•								
Opening support can be switched off			•	•								
Flexible opening restrictor		•			•	•	•	•	•	•		• ¹⁰⁾
Mechanical hold-open device ³⁾	•	•	•	•	•	•						
Electric hold-open device							•	•	•	•		
Electrical hold-open device for freeswing											•	•
Integrated smoke switch control unit									•	•		•
Integrated mechanical closing sequence control												

• = yes

* = up to EN4 / 1100 mm with standard closer and up to EN5 / 1250 mm with ECLine closer

¹⁾ Model TS 5000 S with delayed closing action

²⁾ Model TS 3000 V BC

³⁾ Can be retrofitted, not on F and S doors

⁴⁾ Special model

⁵⁾ System solution consisting of 2 overhead door closers TS 5000 (L) and suitable ISM, E-ISM or R-ISM guide rail for mounting on hinge side or opposite hinge side (version BG)

⁶⁾ Freeswing function on active leaf, system solution consisting of 1 overhead door closer TS 5000 E-HY on the active leaf and 1 overhead door closer TS 5000 on the fixed leaf

⁷⁾ Maximum door leaf width of the active leaf

GEZE OVERHEAD DOOR CLOSERS WITH GUIDE RAIL

For double-leaf doors

	TS 5000 ISM ⁵⁾	TS 5000 L-ISM ⁵⁾	TS 5000 L-ISM VPK ⁵⁾	TS 5000 ISM-EFS ⁶⁾	TS 5000 E-ISM ⁵⁾	TS 5000 L-E-ISM ⁵⁾	TS 5000 L-E-ISM VPK ⁵⁾	TS 5000 R-ISM ⁵⁾	TS 5000 L-R-ISM ⁵⁾	TS 5000 L-R-ISM VP ⁵⁾	TS 5000 R-ISM-EFS ⁶⁾
Approval for fire and smoke protection doors	•	•	•	•	•	•	•	•	•	•	•
Barrier-free in accordance with DIN 18040 up to leaf width (max.) in mm	EN4/1100 EN5/1250*	EN4/1100 EN5/1250*	EN4 1100	FSA FL	FSA	FSA	FSA	FSA	FSA	FSA	FSA FL
Closing force in accordance with EN 1154	2-6	2-6	2-6	2-5/2-6	2-6	2-6	2-6	2-6	2-6	2-6	2-5/2-6
Max. door leaf width (mm)	1400	1400	1400	1250 ⁷⁾	1400	1400	1400	1400	1400	1400	1250 ⁷⁾
Mounting options											
Door leaf installation, hinge side	•			•	•			•			•
Transom installation, hinge side											
Opening angle (max.) hinge side ⁸⁾	180°	8)	8)	180°	180°	8)	8)	180°	8)	8)	180°
Door leaf installation, opposite hinge side		•	•			•	•		•	•	
Transom installation, opposite hinge side											
Functions											
Adjustable closing force	•	•	•	•	•	•	•	•	•	•	•
Adjustable back check	•	•	•		•	•	•	•	•	•	
Adjustable hydraulic latching action	•	•	•	•	•	•	•	•	•	•	•
Adjustable delayed closing action											
Adjustable closing speed	•	•	•	•	•	•	•	•	•	•	•
Integrated opening support											
Opening support can be switched off											
Flexible opening restrictor	•	•	•	•	•	•	•	•	•	• ¹¹⁾	•
Mechanical hold-open device ³⁾	•	•	•								
Electric hold-open device					•	•	•	•	•	•	
Electrical hold-open device for freeswing				•							•
Integrated smoke switch control unit								•	•	•	•
Integrated mechanical closing sequence control	•	•	•	•	•	•	•	•	•	•	•

⁸⁾ Opening angle (max.) opposite hinge side, see chapter: General product information about GEZE overhead door closers

⁹⁾ For fire protection doors with corresponding proof of suitability

¹⁰⁾ Only for door leaf installation

¹¹⁾ Only for restricted use

¹²⁾ Back check in transom installation opposite hinge side not effective

¹³⁾ Valid for Germany. Specifications for other countries can be different and will therefore have to be compared to the local requirements. Please contact your local GEZE subsidiary/representative.

FSA = Hold-open system

FSA FL = Hold-open system freeswing

i.E. = In development

GEZE OVERHEAD DOOR CLOSERS WITH LINK ARM

GEZE Overhead door closers with link arm

Brief description of the variants

For single-leaf doors

From the smallest overhead door closer to numerous variations for use with fire and smoke-proof doors: The door closer range with link arm offers versatile combination options. These have a variably adjustable closing force and are suitable for right and left single-action doors without conversion being necessary.



TS 1000 C: Door closer with adjustable closing speed up to 950 mm leaf width

With the overhead door closer TS 1000 C, the closing speed and end stop can be adjusted. The variable closing force in two sizes is set by simply turning the bearing block for the link arm around.



TS 1500: Door closer with adjustable closing speed up to 1100 mm leaf width

With the overhead door closer TS 1500, the closing speed and end stop can be adjusted. The variable closing force in two sizes is set by simply turning the bearing block for the link arm around. It is optionally available with a mounting plate and is suitable for both right and left single-action doors without conversion.



TS 2000 NV: Door closer with variable closing force up to 1100 mm leaf width

With the overhead door closer TS 2000 NV with infinitely variable closing force in accordance with DIN EN 1154 in sizes 2-4, the closing speed can conveniently be set from the front. The end stop setting is made from the front using a valve.



TS 2000 V: Door closer with variable closing force up to 1250 mm leaf width

With the TS 2000 V overhead door closer with variable closing force in accordance with DIN EN 1154 in sizes 2/4/5, the closing speed can conveniently be set from the front. The end stop setting is made using the link arm.



TS 4000: Door closer with back check

With the overhead door closer TS 4000, the closing force is set from the front. The back check and the thermo-stabilised closing speed with large optical size indicator can also be set from the front.



TS 4000 E: Door closer with electric hold-open device

This overhead door closer TS 4000 E with electric hold-open device is authorised for installation on fire and smoke-proof doors in combination with an external smoke switch control unit. In the event of fire or a power failure, the hold-open function is released and the door closes safely. The closing force and the thermo-stabilised closing speed with large optical size indicator can easily be set from the front.

GEZE OVERHEAD DOOR CLOSERS WITH LINK ARM



TS 4000 R: Door closer with an integrated smoke switch

This overhead door closer with electric hold-open device and a smoke switch control unit integrated in the closer housing has been approved for installation on fire and smoke-proof doors. In the event of a fire, the smoke detector triggers and the door closes automatically. When used on double-leaf doors, the TS 4000 R must be installed on the moving leaf.



TS 4000 EFS: Door closer with hold-open device and freeswing arm

The TS 4000 EFS overhead door closer is fitted with the freeswing function. This enables people to go through the door by applying reduced physical force in the opening or closing direction once the door has been opened. When combined with an external smoke switch control unit the electric freeswing function is released and the door closes automatically and safely in the event of a fire.



TS 4000 RFS: Door closer with freeswing arm and smoke switch control unit

The TS 4000 RFS overhead door closer is equipped with an integrated smoke switch control unit and freeswing function. This enables people to go through the door by applying reduced physical force in the opening or closing direction – e.g. in homes for the elderly or hospitals – after the door has been opened once, i.e. in the morning. The electric freeswing function is released by the integrated smoke switch control unit and closes the door automatically and safely in the event of a fire.



TS 4000 Tandem: Door closer for very large and heavy doors

The TS 4000 Tandem is a combination comprising the TS 4000 EN 5-7 and the TS 4000 EN 1-6 door closers. The door closers are mounted on an adapter plate with joint axis. Suitable for leaf widths > 1600 mm with closing force > EN7.

For double-leaf doors

The double-leaf door closer systems of the IS series with integrated hydraulic closing sequence control are approved for installation on fire and smoke-proof doors. The integrated closing sequence control with protection against intentional damage ensures the correct closing sequence of both doors for double-leaf doors. When the door is closed, the active leaf remains in waiting position until the fixed leaf is closed and releases the active leaf via the closing sequence control. The closing force according to EN 1154 with optical size indicator and closing speed can be set from the front. The end stop setting is made using the link arm.



TS 4000 IS: Door closer with integrated closing sequence control

The TS 4000 IS overhead door closer system with integrated hydraulic closing sequence control has been approved for installation on fire and smoke-proof doors. Closing force in accordance with EN 1154 size 1-6 with optical size indicator and closing speed are set from the front.



TS 4000 E-IS: Door closer with integrated closing sequence control and electric hold-open device

The TS 4000 E-IS overhead door closer system with integrated hydraulic closing sequence control and electric hold-open device has been approved for installation on fire and smoke-proof doors. The electric hold-open device can be set infinitely variable from 80° to 175° in accordance with EN 1155. The closing force in accordance with EN 1154 size 1-6 with optical size indicator and closing speed can be adjusted from the front.



TS 4000 R-IS: Door closer with closing sequence control, hold-open device and smoke switch control unit

The TS 4000 R-IS overhead door closer system with electric hold-open device and integrated smoke switch control unit has been approved for installation on fire and smoke-proof doors. In the event of a fire, the smoke detector triggers and the door closes automatically. The electric hold-open device can be set infinitely variable from 80° to 175° in accordance with EN 1155. The closing force in accordance with EN 1154 size 1-6 with optical size indicator and closing speed can be adjusted from the front.

GEZE OVERHEAD DOOR CLOSERS WITH LINK ARM

Overview table for GEZE system TS 2000 / TS 4000

For single-leaf doors

	TS 1000 C	TS 1500	TS 2000 NV	TS 2000 V	TS 4000 size 1-6	TS 4000 size 5-7	TS 4000 E	TS 4000 R	TS 4000 EFS	TS 4000 RFS	TS 4000 Tandem
Approval for fire and smoke protection doors ⁹⁾			•		•	•	•	•	•	•	•
Barrier-free accessibility in accordance with DIN 18040 up to leaf width (max.) in mm	EN3 950	EN4 1100	EN4 1100	EN4 1100	EN4 1100		FSA	FSA	FSA FL	FSA FL	
Closing force acc. to EN 1154	2/3	3/4	2-4	2/4/5	1-6	5-7	1-6	1-6	1-6	1-6	> 7
Door leaf width (max.) in mm	950	1100	1100	1250	1400	1600	1400	1400	1400	1400	>1600
Application possibilities											
Door leaf installation, hinge side	•	•	•	•	•	•	•		•		•
Transom installation, hinge side							• ⁶⁾	• ⁶⁾		• ⁶⁾	
Opening angle (max.) hinge side ⁸⁾	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°	180°
Door leaf installation, opposite hinge side			• ⁷⁾	• ⁷⁾	• ⁷⁾	• ⁷⁾					• ⁷⁾
Transom installation, opposite hinge side	•	•	•	•	•	•	•	•	•	•	•
Functions											
Adjustable closing force	•	•	•	•	•	•	•	•	•	•	•
Adjustable back check			• ²⁾	• ²⁾	•	•					•
Adjustable hydraulic latching action	•	•	•	•	•	•	•	•	•	•	•
Adjustable delayed closing action					• ¹⁾						
Adjustable closing speed	•	•	•	•	•	•	•	•	•	•	•
Mechanical hold-open device ³⁾	•	•	•	•	•	• ⁴⁾					
Electric hold-open device							•	•			
Electric hold-open device for freeswing									•	•	
Integrated smoke switch control unit								•		•	
Integrated closing sequence control											

• = yes

¹⁾ Model TS 4000 S with delayed closing action

²⁾ Model TS 2000 NV BC/TS 2000 V BC

³⁾ Not for F and RD doors

⁴⁾ Hold-open linkage only effective up to EN6

⁵⁾ System solution comprising a TS 4000 IS/ E-IS/ R-IS on the active leaf in combination with a TS 4000/E/R-IS second unit on the fixed leaf and release mechanism in the frame

⁶⁾ Only with guide rail, closing force EN3, no DIBt approval

⁷⁾ In parallel arm installation

⁸⁾ Opening angle (max.) opposite hinge side, see chapter: Further information for overhead door closers

⁹⁾ Valid for Germany. Specifications for other countries can be different and will therefore have to be compared to the local requirements. Please contact your local GEZE subsidiary/representative.

FSA = Hold-open system

FSA FL = Freeswing locking system

GEZE OVERHEAD DOOR CLOSERS WITH LINK ARM

For double-leaf doors

	TS 4000 IS ⁵⁾	TS 4000 E-IS ⁵⁾	TS 4000 R-IS ⁵⁾
Approval for fire and smoke protection doors ⁹⁾	•	•	•
Barrier-free accessibility in accordance with DIN 18040 up to leaf width (max.) in mm	EN4 1100	FSA	FSA
Closing force acc. to EN 1154	1-6	1-6	1-6
Door leaf width (max.) in mm	1400	1400	1400

Application possibilities

Door leaf installation, hinge side	•	•	
Transom installation, hinge side			
Opening angle (max.) hinge side ⁸⁾	180°	180°	- ⁸⁾
Door leaf installation, opposite hinge side			
Transom installation, opposite hinge side	•	•	•

Functions

Adjustable closing force	•	•	•
Adjustable back check			
Hydraulic latching action	•	•	•
Adjustable delayed closing action			
Adjustable closing speed	•	•	•
Mechanical hold-open device ³⁾	•		
Electric hold-open device		•	•
Electric hold-open device for freeswing			
Integrated smoke switch control unit			•
Integrated closing sequence control	•	•	•

GEZE OVERHEAD DOOR CLOSERS

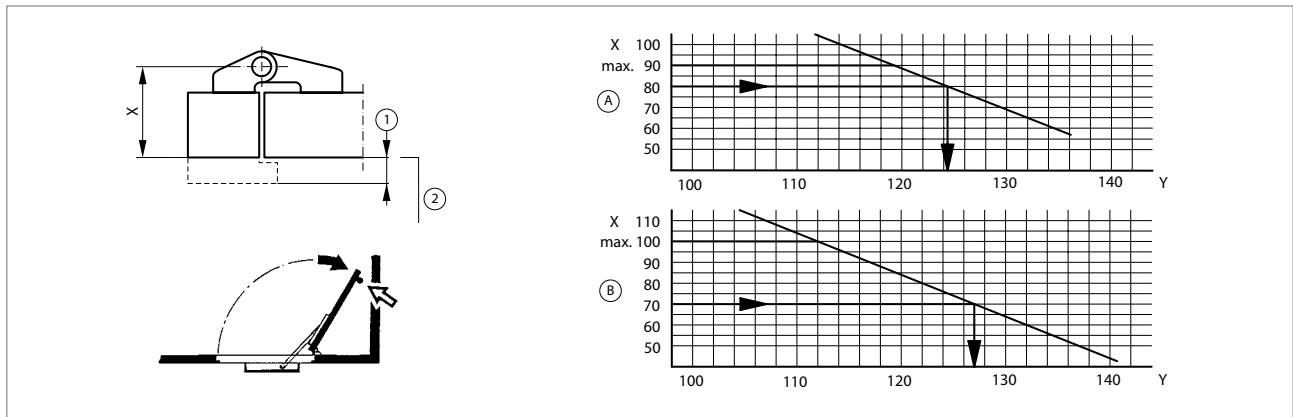
General product information about GEZE overhead door closers

Door closer sizes

acc. to EN 1154	Door leaf width in mm
Thickness 1	up to 750
Thickness 2	from 750 to 850
Thickness 3	from 850 to 950
Thickness 4	from 950 to 1100
Thickness 5	from 1100 to 1250
Thickness 6	from 1250 to 1400
Thickness 7	from 1400 to 1600

Notes for door closers with guide rail for installation on the opposite hinge side

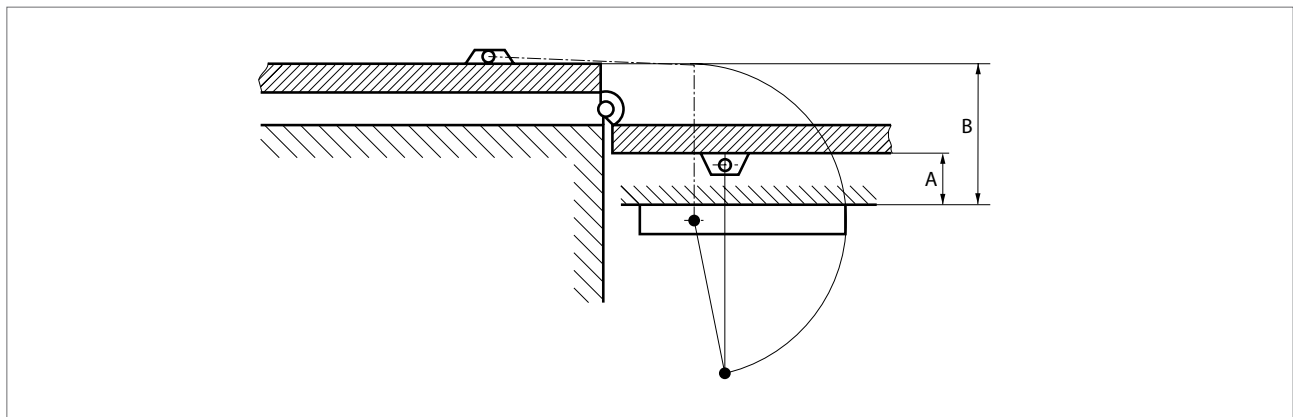
Note: The max. door opening angle must be limited by a door stopper or by use of the GEZE T-Stop guide rail!



- 1 = Overlap max. 15 mm
- 2 = Flush-mount door
- X = Distance pivot point to contact area of guide rail
X dimension max. = 100 mm
- A = Single-leaf systems
- B = Double-leaf systems
- Y = Door opening angle

Special mounting dimensions are used when the X-dimension is wider – on request.

Notes for door closers with link arm for installation on the opposite hinge side



- A = Soffit depth
 - B = Soffit depth + 2 door thickness + 2 pivot point distance
- Door opening up to 180° is only possible if the following dimensions are not exceeded:
A = 70 mm and B = 200 mm

GEZE Integrated door closers - Boxer series

Brief description of the variants

For single-leaf doors

The integrated Boxer door closer is installed completely in the door leaf and frame. The guide rail can only be seen when the door is open. The closing force is in accordance with DIN EN 1154, the closing speed, the hydraulic end stop and the hydraulic back check can be adjusted conveniently from above when installed. For fire protection doors an additional suitability certificate is required with the door. The door opening angle must be limited to approx. 120°.



Boxer: Integrated door closer for 1-leaf doors

The integrated Boxer door closer for single-leaf doors in the versions EN 2-4 and EN 3-6 can be used for left and right single-action doors without conversion. The variant EN 2-4 2V additionally has an independent valve control for regulating the latching action speed. Thus, the door speed cannot only be increased, but the door can also be stopped within an opening angle of 10° and less.



Boxer E: Integrated door closer with electric hold-open device

The integrated door closer Boxer with electric hold-open device in the guide rail is suitable for single-leaf doors. The E-guide rail with electric hold-open device has been tested to EN 1155. The retention force of the hold-open device can be infinitely variable adjusted, the hold-open position can be set to between approx. 80° and 120°. The hold-open position can be overridden, i.e. the door can be opened wider if necessary.



Boxer EFS: Integrated door closer with electric freeswing function

The integrated door closer Boxer EFS EN4 allows barrier-free passage of single-leaf doors thanks to its freeswing function. This enables people to go through the door by applying reduced physical force in the opening or closing direction – e.g. in homes for the elderly or hospitals – after the door has been opened once, for example in the morning. The door closer can be used for right and left single-action doors without conversion.



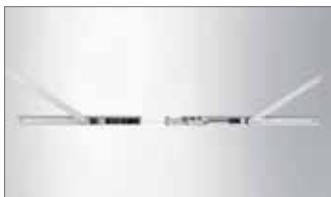
Boxer P: Integrated door closer for double-action doors

The integrated door closer Boxer 2-4 with double-action guide rail is suitable for use on lightweight double-action doors with low access frequency.

GEZE INTEGRATED DOOR CLOSERS

For double-leaf doors

The Boxer ISM system is designed for double-leaf doors and has an integrated mechanical closing sequence control. This ensures that the active leaf always closes after the fixed leaf. When closing the active leaf whilst both leaves are open, it remains in waiting position until the fixed leaf is closed and releases the active leaf via the closing sequence control. The system can be used for active leaf types DIN left or right without conversion. In addition, the closing sequence control of the ISM rail is extremely resistant to vandalism, i.e. the system is not damaged even if the active leaf is pushed intentionally to close out of the waiting position. The ISM guide rail is only visible when opening the door.



Boxer ISM: Door closer with integrated closing sequence control

The system GEZE Boxer ISM for double-leaf doors is made up 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 door frame.



Boxer E-ISM: Door closer with electric hold-open device

The system GEZE Boxer E-ISM for double-leaf doors is made up of the Boxer 2-4 or Boxer 3-6 in the door leaves and the E-ISM guide rail in the door frame. The guide rail is fitted with an integrated closing sequence control in accordance with EN 1158 and electric hold-open device on both sides in accordance with EN 1155. The retention force of the hold-open devices can be adjusted infinitely variable, the hold-open position can be adjusted to between approx. 80° and 120°. The hold-open position can be overridden, i.e. the door can be opened wider if necessary.



Boxer ISM-EFS: Integrated door closer with freeswing function

The system GEZE Boxer ISM-EFS for double-leaf doors is made up of the Boxer EFS with freeswing function on the active leaf, a Boxer 2-4 on the fixed leaf and the ISM guide rail with integrated closing sequence control in accordance with EN 1158 in the door frame. The freeswing function enables people to go through the active leaf by applying reduced of physical force in the opening or closing direction – e.g. in homes for the elderly or hospitals – after the door has been opened once, for example in the morning.

GEZE INTEGRATED DOOR CLOSERS

Overview table for the GEZE Boxer series

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

• = yes

¹⁾ For fire and smoke-proof doors additional proof of suitability is required for the door.

²⁾ Can be retrofitted, not to fire and smoke-proof doors

³⁾ Closing force can only be adjusted on the fixed leaf

FSA = Hold-open system

FSA FL = Freeswing locking system

GEZE Floor springs

Brief description of the variants

For single-leaf doors

GEZE floor springs can be used to close single and double-action doors made of different materials in a reliable manner whilst remaining optically noteless. The product range includes systems for light and heavy leaf weights as well as door closers for use on fire and smoke-proof doors.



TS 500 NV / TS 500 N EN 3: Floor springs for doors up to 1100 mm

The TS 500 NV and TS 500 N EN 3 versions are two floor springs for use with doors with a maximum leaf width of 1100 mm available. The very low overall height of just 42 mm is a welcome benefit for both new constructions and renovation projects.



TS 550 NV: Floor spring for frequently used and heavy doors

The TS 550 NV has been specifically further developed and is used for heavy single-leaf single-action and double-action doors. Its versatility and sturdiness make the TS 550 NV ideal for use in highly frequented areas.



TS 550 NV F: Floor spring for fire and smoke-proof doors

The TS 550 NV F was developed for subtle installation on heavy-duty fire and smoke-proof doors. The low installation height of only 54 mm makes it easy to fit, even to existing doors. The closing speed and hydraulic end stop can be regulated. The integrated fixed back check prevents uncontrolled opening of the door. The closing force can be infinitely variable adjusted from above. The safety valve provides protection against intentional overload.



TS 550 NV E: Floor spring with electric hold-open device

The TS 550 NV E has been tested to DIN EN 1155 and can be held open in any position between 75° and 160° due to the electric hold-open device. This allows the door to be held open for any length of time. The closing speed and hydraulic end stop can be regulated. The closing force can be infinitely variable adjusted from above. A safety valve helps to prevent intentional overloading. The closer is authorised for use with renowned smoke detector systems by DIBt (the German institute for construction technology).

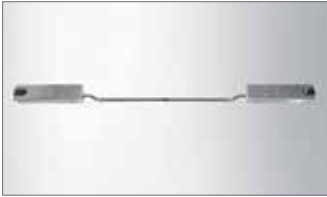


TS 550 E-G / TS 550 F-G: Floor springs with lever and guide rail

These versions with lever and guide rail can be used for doors with carrying hinges. For both versions, the non-protruding spindle in conjunction with an extremely flat lever enables an opening angle of 180° with a floor clearance of 9 mm. A safety valve helps prevent intentional overloading. The electric hold-open device in accordance with DIN EN 1155 permits the TS 550 E-G to be held in any position between 80° and 150°.

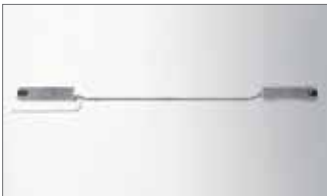
For double-leaf doors

GEZE floor springs can be used to close single-action doors made of different materials in a reliable manner whilst remaining optical noteless. The floor springs for double-leaf doors are equipped with integrated closing sequence control according to EN 1158 or with additional electric hold-open device.



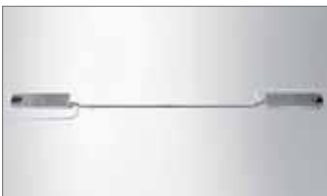
TS 550 IS: Floor spring with integrated closing sequence control

The TS 550 IS is used on double-leaf doors. A safety valve helps prevent intentional overloading. TS 550 IS is also suitable for leaves with unequal widths.



TS 550 E-IS: Floor spring with electric hold-open device

The electric hold-open device of the TS 550 E-IS allows double-leaf doors to be held open independently of one another at any angle between 80° and 175°. The closing speed and hydraulic end stop can be adjusted. The closing force can be infinitely variable regulated from above. A safety valve helps prevent intentional overloading. The closer is authorised for use with renowned smoke detector systems, and tested and certified by DIBt (the German institute for construction technology).



TS 550 IS-G / TS 550 E-IS-G: Floor springs with lever and guide rail

These floor spring versions with lever and guide rail can be used for double-leaf doors with carrying hinges. The non-protruding spindle in conjunction with an extremely flat lever enables an opening angle of 180° with a floor clearance of 9 mm. A safety valve helps prevent intentional overloading. The electric hold-open device in accordance with DIN EN 1155 permits the TS 550 E-IS-G to be held in any position between 80° and 150°.

GEZE FLOOR SPRINGS

Overview table for GEZE floor springs

For single-leaf doors

	TS 500 NV	TS 500 N EN 3	TS 550 NV	TS 550 NV F	TS 550 NVE	TS 550 F-G	TS 550 E-G
Approval for fire and smoke-proof doors ¹⁾				•	•	•	•
Barrier-free accessibility in accordance with DIN 18040 up to leaf width (max.) in mm	EN4 1100	EN3 950	EN4 1100	EN4 1100	FSA	EN4 1100	FSA
Closing force acc. to EN 1154	1-4	3	3-6	3-6	3-6	3-6	3-6
Max. door leaf width (mm)	1100	950	1400	1400	1400	1400	1400
Leaf weight (max.) in kg	150	100	300	300	300		
Application possibilities							
Single-action doors (right/left)	•	•	•	•	•	•	•
Opening angle (max.)	170°	170°	170°	180°	180°	180°	180°
Double-action doors	•	•	•				
Functions							
Closing force, adjustable	•		•	•	•	•	•
Back check, fixed	•	•	•	•	•		
Hydraulic latching action	•		•	•	•	•	•
Closing speed, adjustable	•	•	•	•	•	•	•
Mechanical hold-open	•	•	•				
Electric hold-open					•		•
Mechanical closing sequence control, integrated							
Hold-open angle	optional 85° 90° 105° 120°	optional 85° 90° 105° 120°	85° up to 165°		75° up to 160°		80° up to 150°

• = yes

¹⁾ Valid for Germany. Specifications for other countries can be different and will therefore have to be compared to the local requirements. Please contact your local GEZE subsidiary/representative.

FSA = Hold-open system

For double-leaf doors

	TS 550 IS	TS 550 E-IS	TS 550 IS-G	TS 550 E-IS-G
Approval for fire and smoke-proof doors ¹⁾	•	•	•	•
Barrier-free accessibility in accordance with DIN 18040 up to leaf width (max.) in mm	EN4 1100	FSA	EN4 1100	FSA
Closing force acc. to EN 1154	3-6	3-6	3-6	3-6
Max. door leaf width (mm)	1400	1400	1400	1400
Leaf weight (max.) in kg	250	250		
Application possibilities				
Single-action doors (right/left)	•	•	•	•
Opening angle (max.)	180°	180°	180°	180°
Double-action doors				
Functions				
Closing force, adjustable	•	•	•	•
Back check, fixed	•	•		
Hydraulic latching action	•	•	•	•
Closing speed, adjustable	•	•	•	•
Mechanical hold-open				
Electric hold-open		•		•
Mechanical closing sequence control, integrated	•	•	•	•
Hold-open angle		80° up to 175°		80° up to 150°

GEZE OVERHEAD DOOR CLOSERS WITH GUIDE RAIL

Reference photos

GEZE Overhead door closers with guide rail



BMW Welt, Munich, Germany (Photo: Robert Sprang)



Textile and Industry Museum, Augsburg, Germany (Photo: Dirk Wilhelmy)

GEZE OVERHEAD DOOR CLOSERS WITH GUIDE RAIL



Vocational school, Friedrichshafen, Germany (Photo: Dirk Wilhelmy)



Augustinum retirement home, Stuttgart, Germany (Photo: Dirk Wilhelmy)

GEZE OVERHEAD DOOR CLOSERS WITH LINK ARM

Reference photos

GEZE Overhead door closers with link arm



Mövenpick Hotel, Stuttgart Airport, Germany (Photo: Nikolas Grünwald)



Sports hall, Zadar, Croatia (Photo: Robert Les)

GEZE OVERHEAD DOOR CLOSERS WITH LINK ARM



Sports Hall, Zadar, Croatia (Photo: Robert Les)



Sparkasse, Ulm, Germany (Photo: Nikolas Grünwald)

GEZE INTEGRATED DOOR CLOSERS

Reference photos

GEZE Integrated door closers - Boxer series



Court building in Gent, Belgium (Photo: Erwin Kamphuis)



Kreissparkasse, Ludwigsburg, Germany (Photo: Lazaros Filoglou)

GEZE INTEGRATED DOOR CLOSERS



Vitra Haus, Weil am Rhein, Germany (Photo: Oliver Look)



Andels Hotel, Berlin, Germany (Photo: Stefan Dauth)

Reference photos

GEZE Floor springs



Vector company building, Stuttgart, Germany (Photo: Dirk Wilhelmy)



GEZE GmbH, Leonberg, Germany (Photo: Nikolaus Grünwald)



Augustinum, Stuttgart, Germany (Photo: Dirk Wilhelmy)



Glas Trösch, Kempten, Germany (Photo: Nikolaus Grünwald)

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

Door technology

01	Overhead door closers ID 091593, ID 091594
02	Hold-open systems ID 091593, ID 091594
03	Integrated door closers ID 091609
04	Floor springs ID 091607
05	Sliding door gear systems and linear guides ID 123605, ID 008770, ID 000586

Automatic door systems

06	Swing doors ID 144785
07	Sliding, telescopic and folding doors ID 143639
08	Circular and semi-circular sliding doors ID 135772
09	Revolving doors ID 132050
10	Actuation devices and sensors ID 142655

Smoke and heat extraction and window technology

11	Fanlight opening systems ID 127787
12	Electric opening and locking systems ID 154851
13	Electrical spindle and linear drives ID 154851
14	Electric chain drives ID 154851
15	Smoke and heat extraction systems ID 154851

Safety technology

16	Emergency exit systems ID 132408
17	Access control systems ID 132158
18	Panic locks ID 132848
19	Electric strikes ID 148666
20	Building management system ID 132408

Glass systems

21	Manual sliding wall systems (MSW) ID 104377
22	Integrated all-glass systems (IGG) ID 104366
23	GEZE Patch fittings mono glass systems ID 122521



POSSIBLE AREAS OF APPLICATION FOR GEZE PRODUCTS



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.



MOVEMENT AS IF BY MAGIC
INTEGRATED DOOR CLOSERS – GEZE BOXER RANGE



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GEZE Boxer – Integrated door closer, closing force 2-4 und 3-6 nach EN 1154 A

Product features

- Closer sizes 2-4 and 3-6 EN 1154 A ¹⁾
- Closer fully integrated into door leaf
- Guide rail only visible during opening moment
- Closing force, closing speed, hydraulic latching action and hydraulic back check adjustable when installed
- Finish: silver

Application range

- For right and left hand closing doors
- Closer size 2-4
max. leaf weight approx. 130 kg
for leaf width up to 1100 mm
for leaf depth from 40 mm
- Closer size 3-6
max. leaf weight approx. 180 kg
for leaf width up to 1400 mm
for leaf depth from 50 mm

Supplied as standard package

Integrated door closer complete with screw accessories and installation instructions

Also necessary: guide rail with lever

Version with mechanical hold-open ²⁾

Integrated door closer complete with screw accessories and installation instructions.

Also necessary:

guide rail with lever and mechanical hold-open device, hold-open angle infinitely variable between 80° and 120°



Stadtverwaltung, Weimar



Hotel Le Meridien Lav, Split

¹⁾ In Germany an additional suitable certificate for the door is necessary with using on smoke and fire doors

²⁾ In Germany not permitted for use with smoke and fire doors

Specification text

Integrated door closer GEZE Boxer for single-action doors, leaf depth from 40 mm, according to EN 1154 A, size 2-4 with guide rail, adjustable (when installed) closing force, closing speed, latching action and back check.

The closer is completely installed into the door leaf, the guide rail is only visible when the door is open.

For right and left closing doors, up to 130 kg leaf weight and up to 1100 mm leaf width

Finish: silver

Specification text

Integrated door closer GEZE Boxer for single-action doors, leaf depth from 50 mm, according to EN 1154 A, size 3-6 with guide rail, adjustable (when installed) closing force, closing speed, latching action and back check.

The closer is completely installed into the door leaf, the guide rail is only visible when the door is open.

For right and left closing doors, up to 180 kg leaf weight and up to 1400 mm leaf width

Finish: silver

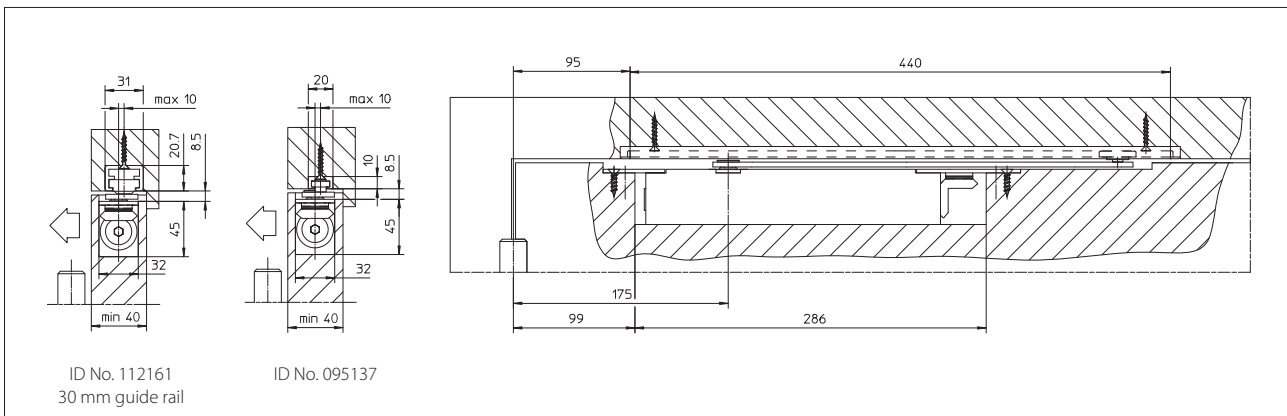


Fig. 05-1 · GEZE Boxer size 2-4 with standard guide rail Boxer

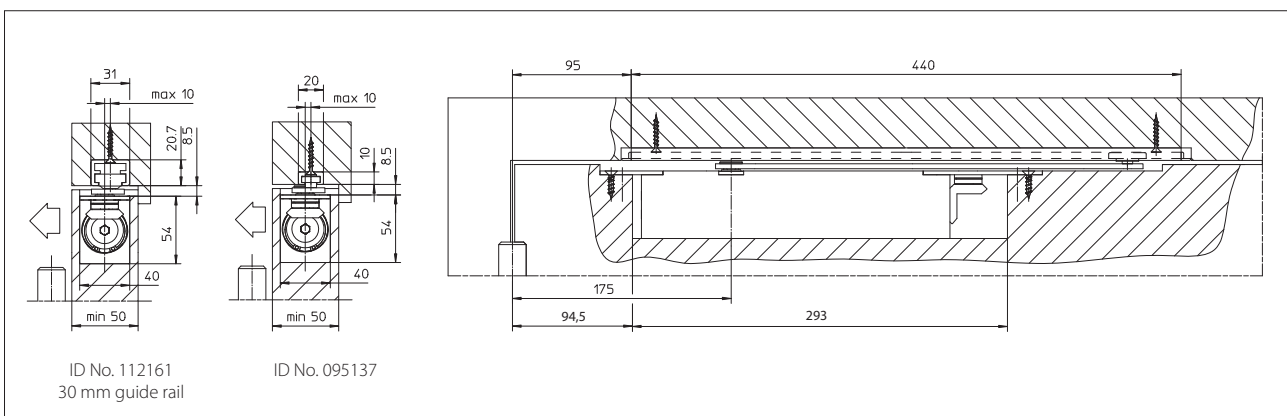


Fig 05-2 · GEZE Boxer size 3-6 with standard guide rail Boxer

Specification text

Integrated door closer GEZE Boxer with mechanical hold-open device for single-action doors, leaf depth from 40 mm, size 2-4 according to EN 1154 A, guide rail with mechanical hold-open device, hold-open angle infinitely variable between 80° and approx. 120°, retaining force of hold-open device can be adjusted, adjustable (when installed) closing force, closing speed, latching action and back check.

The closer is completely installed into the door leaf, the guide rail is only visible when the door is open.

For right and left closing doors, up to 130 kg leaf weight and up to 1100 mm leaf width

Finish: silver

Specification text

Integrated door closer GEZE Boxer with mechanical hold-open device for single-action doors, leaf depth from 50 mm, size 3-6 according to EN 1154 A, guide rail with mechanical hold-open device, hold-open angle infinitely variable between 80° and approx. 120°, retaining force of hold-open device can be adjusted, adjustable (when installed) closing force, closing speed, latching action and back check.

The closer is completely installed into the door leaf, the guide rail is only visible when the door is open.

For right and left closing doors, up to 180 kg leaf weight and up to 1400 mm leaf width

Finish: silver

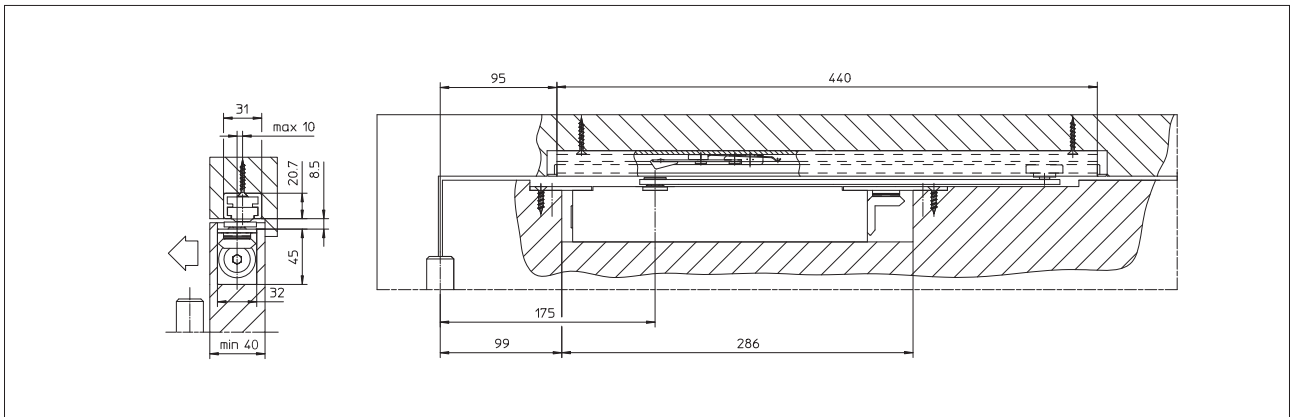


Fig. 06-1 · GEZE Boxer size 2-4 with guide rail Boxer with mechanical hold-open

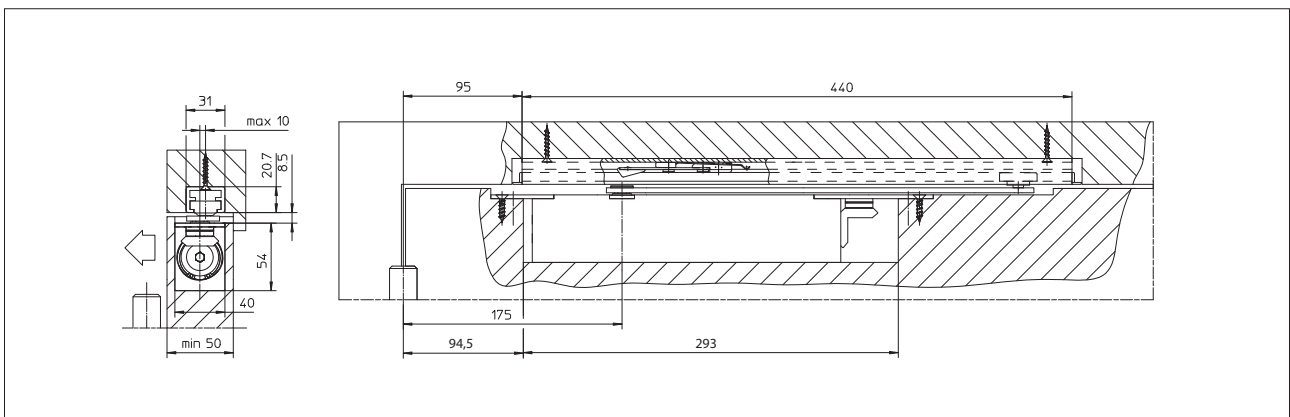


Fig. 06-2 · GEZE Boxer size 3-6 with guide rail Boxer with mechanical hold-open

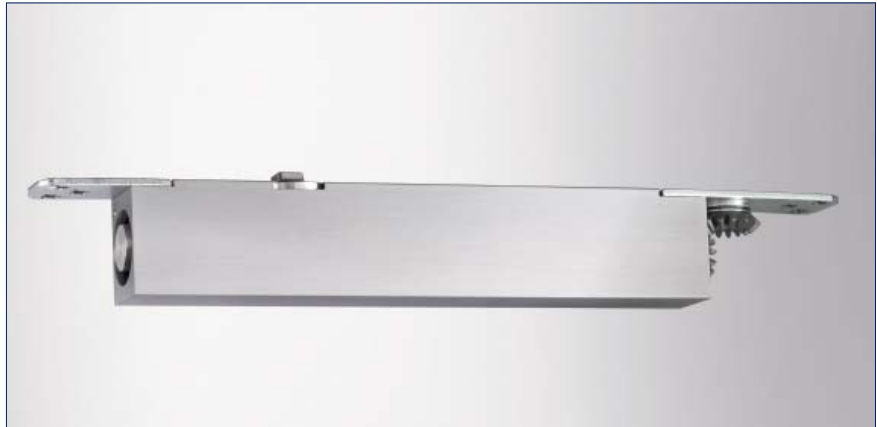
GEZE Boxer P – Integrated double-action door closer

Product features

- Closer sizes 2-4 according EN 1154
- Closer fully integrated into the door leaf and guide rail only visible during opening moment
- Closing force, closing speed, latching action and back check adjustable (when installed) from top

Application range

- For double-action doors
- Max. leaf weight approx. 80 kg
- For leaf width up to 1100 mm
- For leaf depth from 40 mm



Specification text

Integrated door closer GEZE Boxer P for double-action doors, leaf depth from 40 mm, according to EN 1154 A, size 2-4 with guide rail, adjustable (when installed) closing force, closing speed, latching action and back check

The closer is completely integrated into the door leaf, the guide rail is only visible when the door is open.

Up to 80 kg leaf weight and up to 1100 mm leaf width

Optionally with:

- () guide rail with mechanical hold-open device
- () guide rail with electromechanical hold-open device

Finish: silver

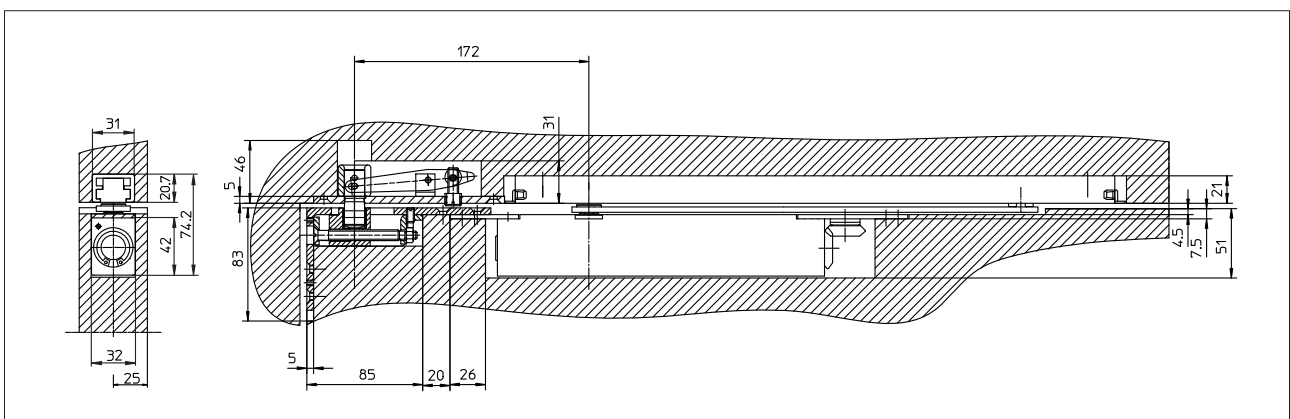


Fig. 07-1 · Integrated double-action door closer GEZE Boxer P

Smoke switch control unit RSZ 6, Certification No. Z-6.5-1755



GEZE RSZ 6 smoke switch control unit with adaption of the alarm threshold and soiling indicator.

The smoke switch control unit RSZ 6 with integrated 24 V DC power supply unit is both a smoke detector for early detection of fire and also a smoke switch to actuate hold-open systems for fire protection barriers.

Electrical data

- Smoke detection – optical scattered light principle
- Voltage supply 230 V AC UP
- Operation voltage 230 V AC, 50 Hz, 6.3 W
- Total connected load max. 200 mA
- Ambient temperature 0° to +50° C
- Short-circuit proof
- Enclosure rating IP 20

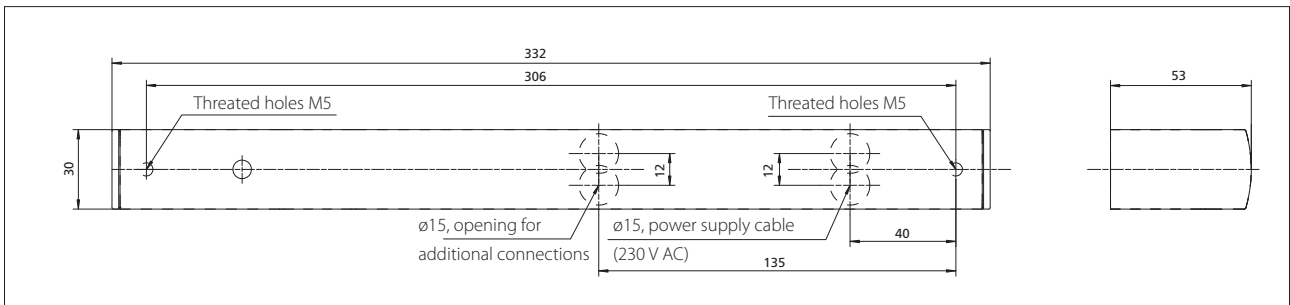


Fig. 08-1 · Dimensions smoke switch control unit RSZ 6

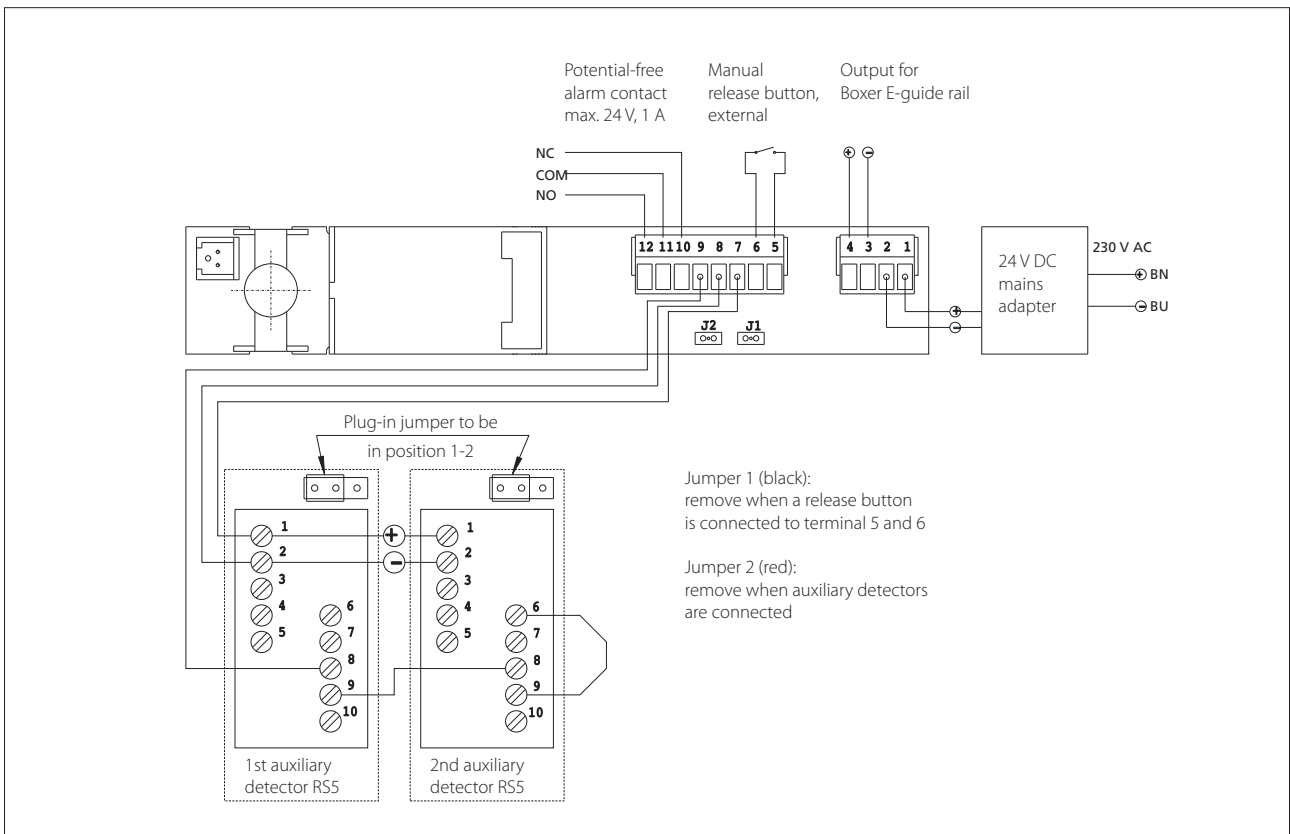


Fig. 08-2 · Connection diagram E-guide rail Boxer to smoke switch control unit RSZ 6

ISM / E-ISM-guide rail Boxer, aluminium door

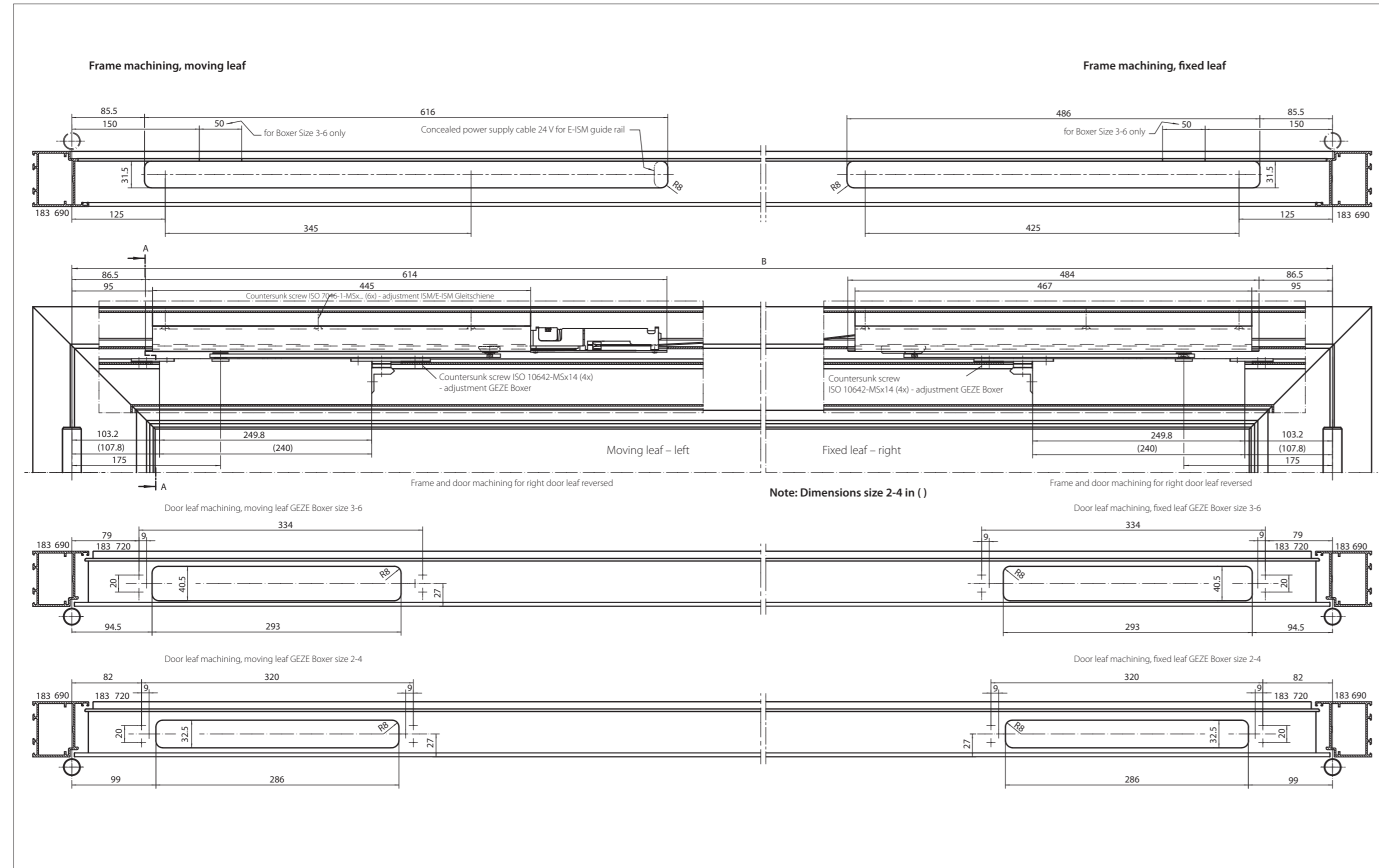
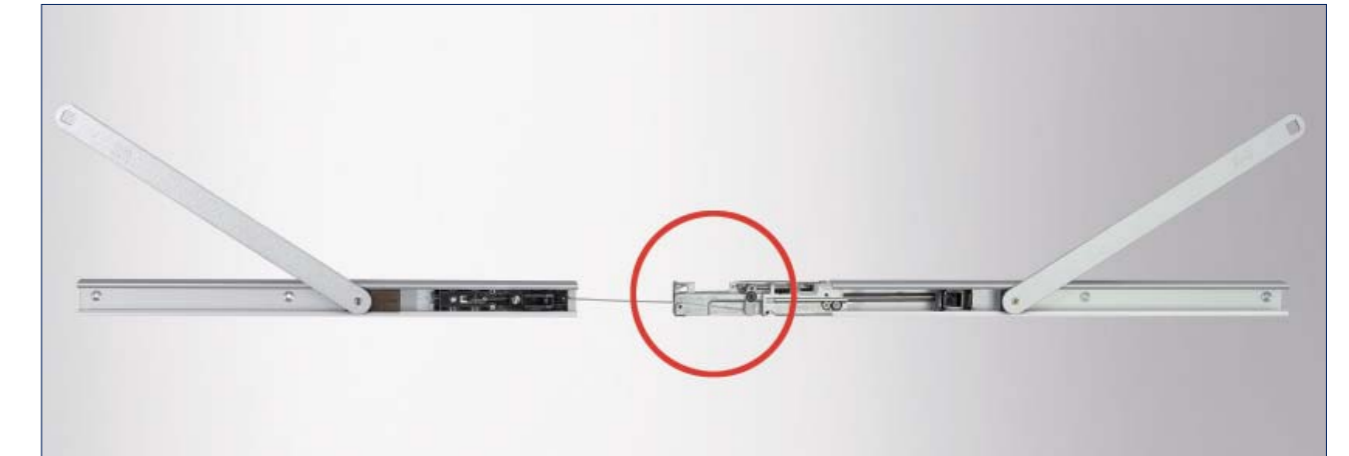


Fig. 16-1 · ISM/E-ISM guide rail Boxer size 2-4/3-6, aluminium door

GEZE Boxer ISM for double-leaf doors with integrated mechanical closing sequence control



Product features

- Closer sizes 2-4 / 3-6 according to EN 1154 A ¹⁾
- ISM guide rail with integrated mechanical closing sequence control according to EN 1158
- Closer fully integrated into the door leaf and guide rail only visible during opening moment
- Mechanical hold-open device ²⁾ retro-fittable for both door leaves
 - Retention force adjustable
 - Hold-open position can be overridden
- Closing force, closing speed, latching action and back check adjustable when installed
- Finish: silver

Mode of operation

The system GEZE Boxer ISM for double-leaf doors contains an integrated closing sequence control for both door leaves.

The door leaves are in open position when the door is going to be closed. The sequential closing function is provided by the moving leaf being held-open (it "waits") until the fixed leaf is closed.

Application range

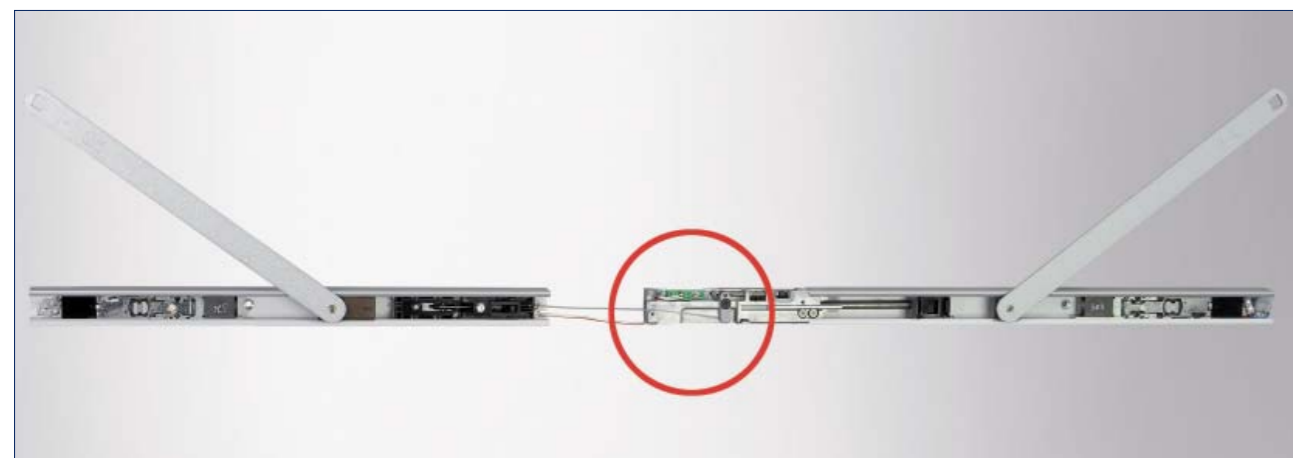
- For double-leaf right and left hand closing doors
- Closer size 2-4
 - max. leaf weight approx. 130 kg
 - leaf width min. 1300 mm - max. 2200 mm
 - fixed leaf min. 540 mm
 - for leaf depth from 40 mm
- Closer size 3-6
 - max. leaf weight approx. 180 kg
 - leaf width min. 1300 mm - max. 2800 mm
 - fixed leaf min. 540 mm
 - for leaf depth from 50 mm

Special version

- For small doors 1130-1300 mm
- For asymmetrical doors

¹⁾ In Germany an additional suitable certificate for the door is necessary with using on smoke and fire doors
²⁾ In Germany not permitted for use with smoke and fire doors

GEZE Boxer E-ISM for double-leaf doors with integrated closing sequence control and electromechanical hold-open



Product features

- Closer sizes 2-4 / 3-6 according to EN 1154 A ¹⁾
- E-ISM guide rail with integrated mechanical closing sequence control according to EN 1158 and electromechanical hold-open device according to EN 1155
 - Retention force adjustable
 - Hold-open position can be overridden
- Closing force, closing speed, latching action and back check adjustable when installed
- Finish: silver

Mode of operation

The system GEZE Boxer E-ISM contains electromechanical hold-open devices for both door leaves and an integrated closing sequence control for both door leaves.

The door leaves are in open position with engaged hold-open devices when the door is going to be closed. The sequential closing function is provided by the moving leaf, which starts the closing of the fixed leaf and being held-open (it "waits") until the fixed leaf is closed.

Application range

- For double-leaf right and left hand closing doors
- Closer size 2-4
 - max. leaf weight approx. 130 kg
 - leaf width min. 1300 mm - max. 2200 mm
 - fixed leaf min. 540 mm
 - for leaf depth from 40 mm
- Closer size 3-6
 - max. leaf weight approx. 180 kg
 - leaf width min. 1300 mm - max. 2800 mm
 - fixed leaf min. 540 mm
 - for leaf depth from 50 mm

Electrical data

- Operating voltage 24 V DC ± 15%
- Power consumption 2 x 100 mA
- Rating 100%

Special version

- For small doors 1130-1300 mm
- For asymmetrical doors



Kreissparkasse Ludwigsburg

Special version for asymmetrical timber doors, rebated

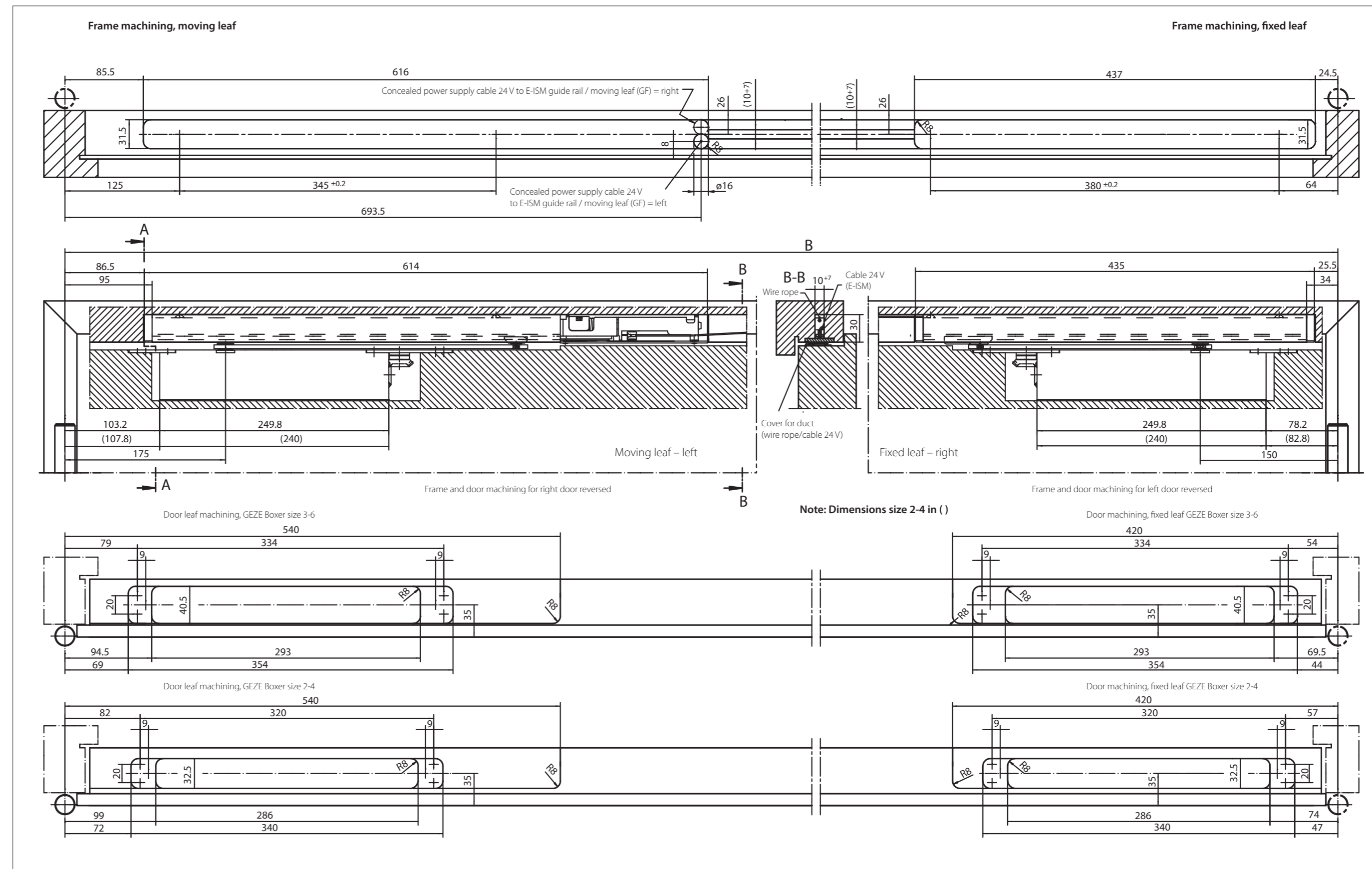


Fig. 15-1 - ISM/E-ISM guide rail Boxer asymmetrical partitionment, rebated timber door

¹⁾ In Germany an additional suitable certificate for the door is necessary with using on smoke and fire doors

Special version for small timber doors, rebated

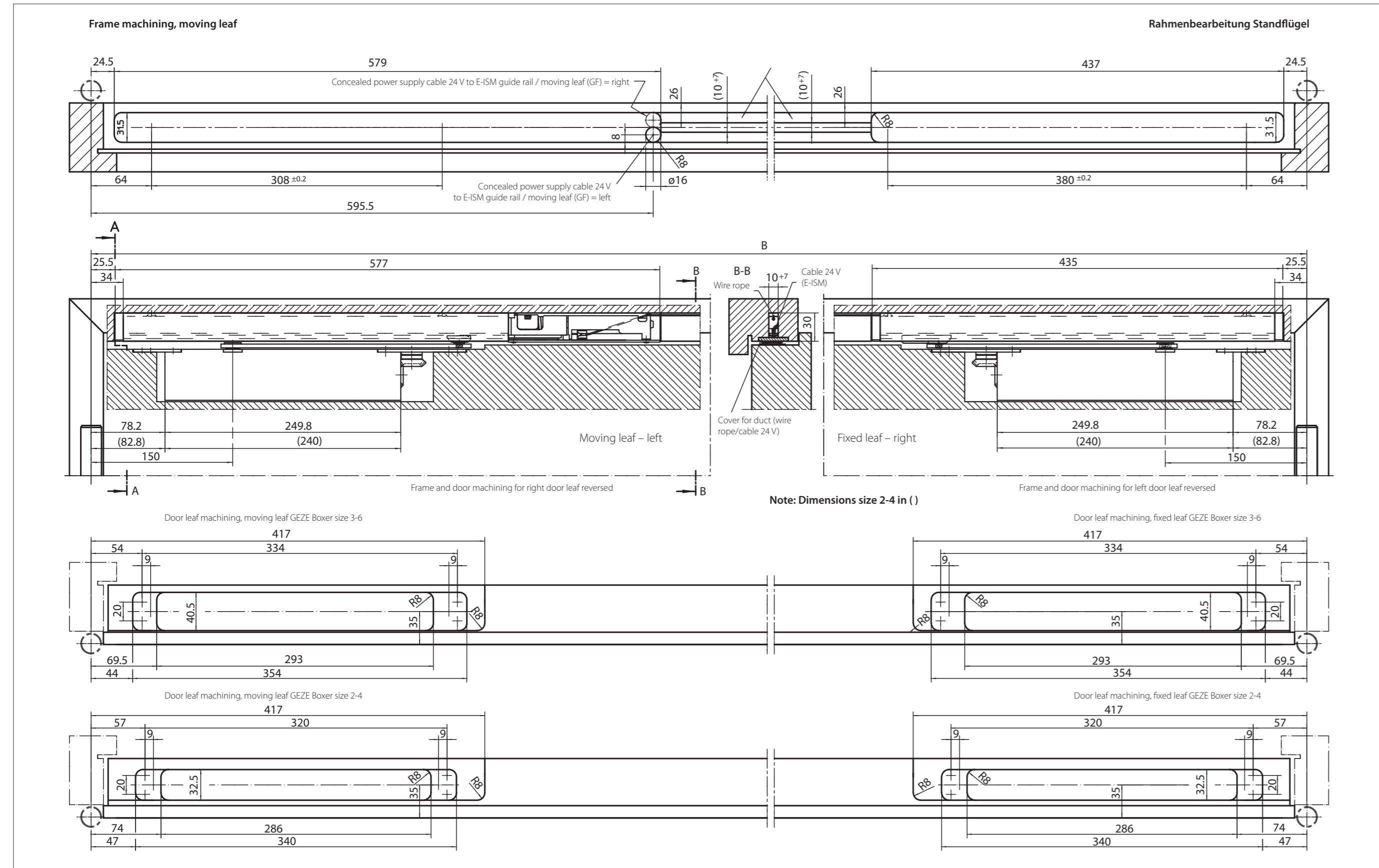


Fig. 13-1 · ISM/E-ISM guide rail Boxer door leaf width 1130-1300 mm, rebated timber door

Specification text

Integrated door closer system GEZE Boxer ISM for 2-leaf doors, according to EN 1154 A size 2-4, for single-action doors, leaf depth from 40 mm, guide rail with integrated mechanical closing sequence control according to EN 1158, adjustable (when installed) closing force, closing speed, latching action and back check, certified by the FMPA Stuttgart, with use on smoke and fire doors a suitable certificate for the door is required.

Door leaf width:
min. 1300 mm
max. 2200 mm

Finish: silver

Specification text

Integrated door closer system GEZE Boxer ISM for 2-leaf doors, according to EN 1154 A size 3-6, for single-action doors, leaf depth from 50 mm, guide rail with integrated mechanical closing sequence control according to EN 1158, adjustable (when installed) closing force, closing speed, latching action and back check, certified by the FMPA Stuttgart, with use on smoke and fire doors a suitable certificate for the door is required.

Door leaf width:
min. 1300 mm
max. 2800 mm

Finish: silver

Specification text

Integrated door closer system GEZE Boxer E-ISM, 24 V DC, for 2-leaf single-action doors, leaf depth from 40 mm, according to EN 1154 A, size 2-4, guide rail with integrated closing sequence control according to EN 1158 and electromechanical hold-open device on both sides according to EN 1155, hold-open angle infinitely variable from 80° to approx. 120° to an exact position in accordance with EN 1155, adjustable (when installed) closing force, closing speed, latching action and back check

Building regulation approval for the use with smoke switch control units GEZE RSZ 5 und RSZ 6

Door leaf width: min. 1300 mm / max. 2200 mm
Finish: silver

Notice guidelines of DIBt (in Germany)

Specification text

Integrated door closer system GEZE Boxer E-ISM, 24 V DC, for 2-leaf single-action doors, leaf depth from 50 mm, according to EN 1154 A, size 3-6, guide rail with integrated closing sequence control according to EN 1158 and electromechanical hold-open device on both sides according to EN 1155, hold-open angle infinitely variable from 80° to approx. 120° to an exact position in accordance with EN 1155, adjustable (when installed) closing force, closing speed, latching action and back check

Building regulation approval for the use with smoke switch control units GEZE RSZ 5 und RSZ 6

Door leaf width: min. 1300 mm / max. 2800 mm
Finish: silver

Notice guidelines of DIBt (in Germany)

ISM / E-ISM guide rail Boxer size 2-4/3-6, rebated timber door

Dimensions Boxer size 2-4

- Min. leaf width
B = 1300 mm
- Max. leaf width
B = 2200 mm

Min. width of fixed leaf = 540 mm
plus space required for fixed leaf locking device

Door opening angle approx. 120°

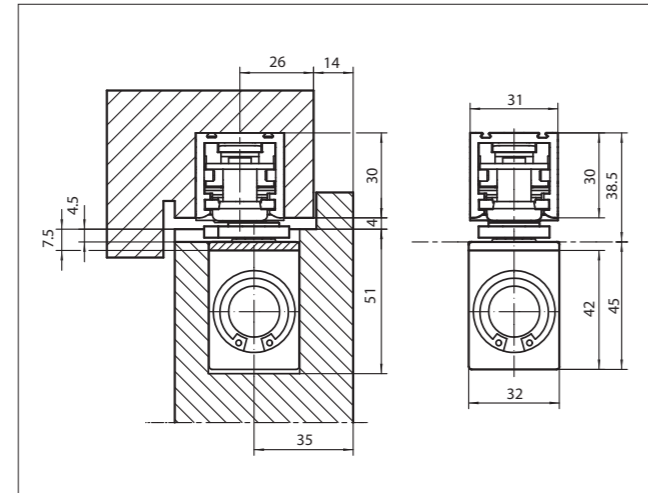


Fig. 12-1 · Dimensions GEZE Boxer size 2-4 (ISM/E-ISM, rebated timber door)

Dimensions Boxer size 3-6

- Min. leaf width
B = 1300 mm
- Max. leaf width
B = 2800 mm

Min. width of fixed leaf = 540 mm
plus space required for fixed leaf locking device

Door opening angle approx. 120°

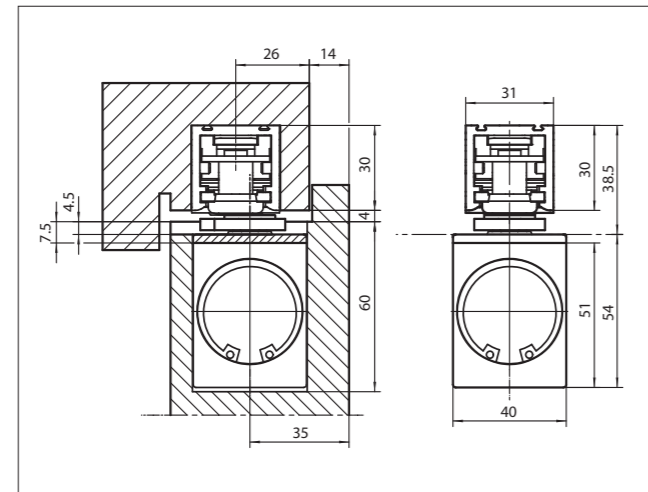


Fig. 12-2 · Dimensions GEZE Boxer size 3-6 (ISM/E-ISM, rebated timber door)

ISM / E-ISM guide rail, rebated timber door



Fig. 13-1 · ISM/E-ISM guide rail Boxer size 2-4/3-6, rebated timber door

ISM / E-ISM guide rail Boxer size 2-4/3-6, aluminium door

Dimensions GEZE Boxer size 2-4

- Min. leaf width
B = 1300 mm
- Max. leaf width
B = 2200 mm

Min. width of fixed leaf = 540 mm
plus space required for fixed leaf locking device

Door opening angle approx. 120°

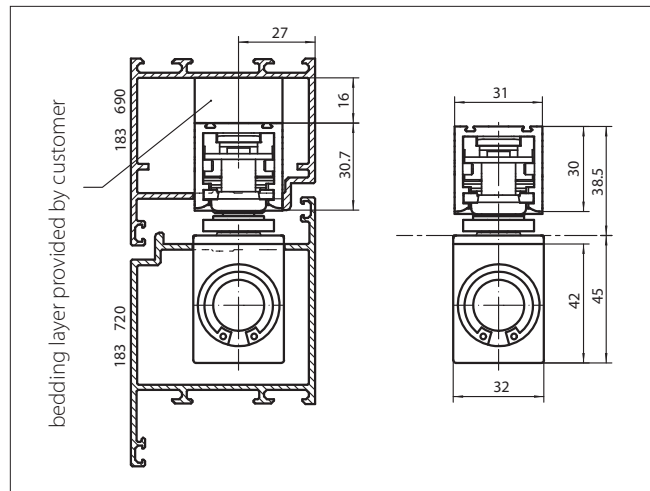


Fig. 17-1 · Dimensions GEZE Boxer size 2-4 (ISM/E-ISM, aluminium door)

Dimensions GEZE Boxer size 3-6

- Min. leaf width
B = 1300 mm
- Max. leaf width
B = 2800 mm

Min. width of fixed leaf = 540 mm
plus space required for fixed leaf locking device

Door opening angle approx. 120°

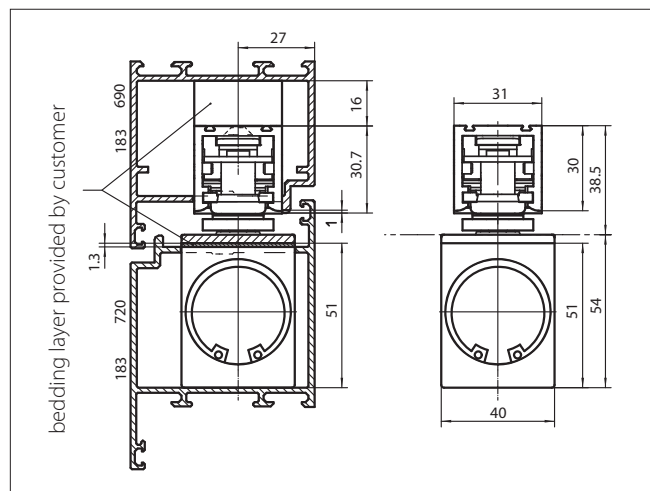


Fig. 17-2 · Dimensions GEZE Boxer size 3-6 (ISM/E-ISM, aluminium door)

GEZE Boxer E – Integrated door closer with electromechanical hold-open according to EN 1155

Product features

- Closer sizes 2-4 and 3-6 EN 1154 A ¹⁾
- E-guide rail with electromechanical hold-open ²⁾ according to EN 1155
- Retention force infinitely adjustable from approx. 80° up to approx. 120° to a definite position
- Closer fully integrated into door leaf
- Guide rail only visible during opening moment
- Closing force, closing speed, hydraulic latching action and hydraulic back check adjustable when installed
- Finish: silver

Application range

- For right and left hand closing doors
- Closer size 2-4
max. leaf weight approx. 130 kg
for leaf width up to 1100 mm
for leaf depth from 40 mm
- Closer size 3-6
max. leaf weight approx. 180 kg
for leaf width up to 1400 mm
for leaf depth from 50 mm

Supplied as standard package

Integrated door closer complete with screw accessories and installation instructions.

Also necessary:

E-guide rail with lever and mechanical hold-open device



Gerechtsgebouw, Gent



Hotel InterContinental Resort, Berchtesgaden

¹⁾ In Germany an additional suitable certificate for the door is necessary with using on smoke and fire doors

²⁾ Approved with well known smoke detectors (p.e. GEZE RSZ 6) by the DIBt, Berlin

Specification text

Integrated door closer GEZE Boxer E, 24 V DC, certified in accordance with EN 1155, for single-action doors, leaf depth from 40 mm, size 2-4 according to EN 1154 A, with guide rail, with electromechanical hold-open device ¹⁾ hold-open angle infinitely variable between 80° and approx. 120° hold-open position can be overridden, adjustable (when installed) closing force, closing speed, latching action and back check

The closer is completely installed into the door leaf, the guide rail is only visible when the door is open.

For right and left closing doors, up to 130 kg leaf weight and up to 1100 mm leaf width

Finish: silver

Specification text

Integrated door closer GEZE Boxer E, 24 V DC, certified in accordance with EN 1155, for single-action doors, leaf depth from 50 mm, size 3-6 according to EN 1154 A, with guide rail, with electromechanical hold-open device ¹⁾ hold-open angle infinitely variable between 80° and approx. 120° hold-open position can be overridden, adjustable (when installed) closing force, closing speed, latching action and back check

The closer is completely installed into the door leaf, the guide rail is only visible when the door is open.

For right and left closing doors, up to 180 kg leaf weight and up to 1400 mm leaf width

Finish: silver

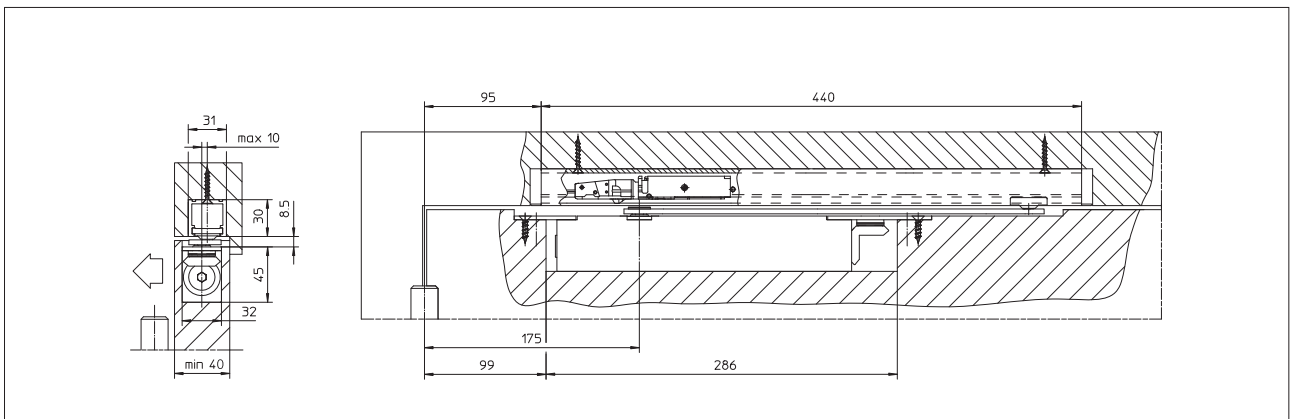


Fig. 19-1 · GEZE Boxer size 2-4 with E-guide rail Boxer

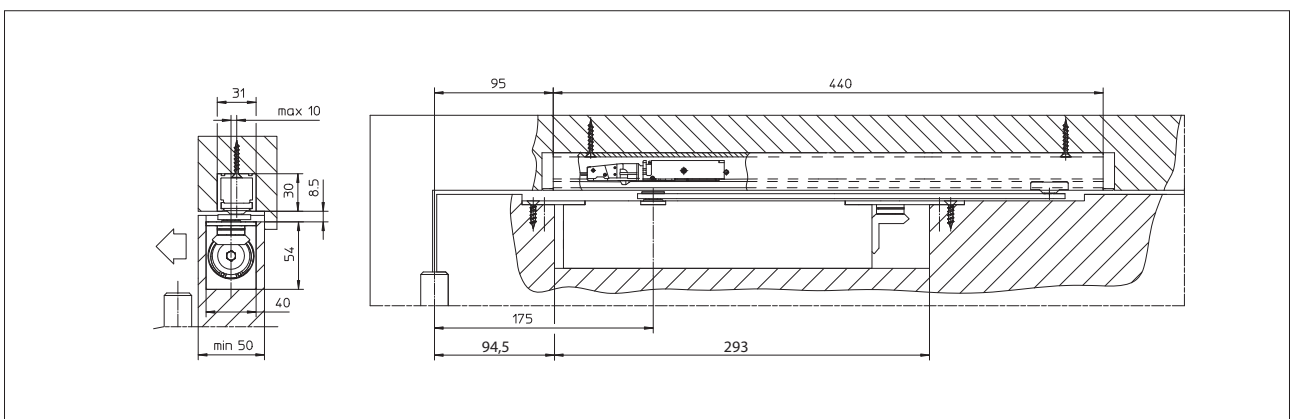


Fig. 19-2 · GEZE Boxer size 3-6 with E-guide rail Boxer

GEZE Boxer EFS size 4 Integrated door closer with freeswing-function

Product features

- Closer size 4 according to EN 1154
- Closer fully integrated into the door leaf and the guide rail is only visible during opening moment
- Closing speed and latching action are adjustable when installed
- Certified according to EN 1155 and by DIBt for the use with GEZE smoke switch control unit RSZ5 and RSZ6
- Closer carries CE indication
- Each commercial cable transmission can be used for the 24V supply of the closer which is integrated into the door leaf
- Low current consumption
45mA with 24 V DC

Application range

- For right hand and left hand single-action doors
- For single leaf doors
- Closing force 4 for doors with:
leaf weight max. 130 kg
leaf width max. 1100 mm
for leaf depth from 50 mm

Note:

Due to the guideline for determination plants of the DIBt (German Institution for Construction Technology) a circuit breaker is cogently stipulated when using a door closer with freeswing function.



Mode of operation

The freeswing-function is activated by opening the door to tense the closer spring once. This will ensure that the closer spindle is held in that position in the door closer during the electro-hydraulic hold-open mechanism.

The freeswing-function makes it possible to use the door without the resistance from the closer, for closing and opening. This function is particularly important in hospitals, nursery schools and sheltered accommodation for the elderly or handicapped persons.

The use on smoke and fire doors is possible but - as well as with Boxer - a separate certificate for applicability for the fire door by the door or system manufacturer is necessary. In case of fire, the door closes automatically, irrespective of the current angle of opening.



UTA flush-mounted version ID No. 116266
80 x 80 x 9 mm (height x width x depth)

The GEZE circuit breaker UTA is used for manual tripping of magnetic clamps or electrically actuated door closers:

- ▶ Switch function: changeover contact
- ▶ Temperature range: -20° C to +50°
- ▶ With label "Tür schließen", english version "Close door"
- ▶ Flush-mounted version
For surface-mounting a standard box ID No. 120503 has to be ordered separately

Specification text

Integrated freeswing door closer GEZE Boxer EFS EN 4, for single-action doors with leaf depth from 50 mm, according to EN 1155, size 4; with guide rail; with freeswing-function which is activated by opening the door once to approx. 90°, closing speed and latching action adjustable when installed

The closer is completely integrated into the door leaf, the guide rail is only visible when the door is open.

Finish: silver

GEZE circuit breaker:

- () surface-mounted (AP)
- () flush-mounted (UP)

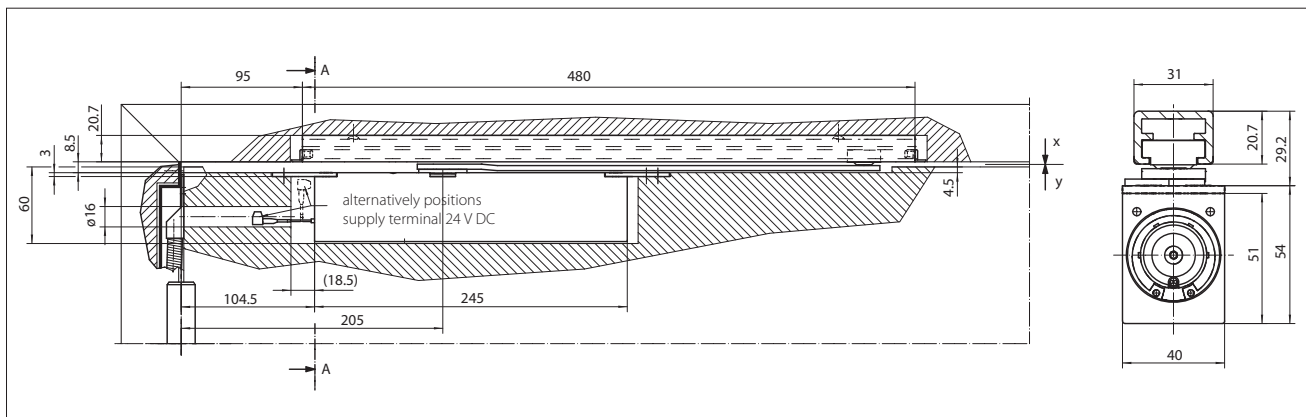


Fig. 21-1 · Integrated freeswing door closer GEZE Boxer EFS size 4 with guide rail

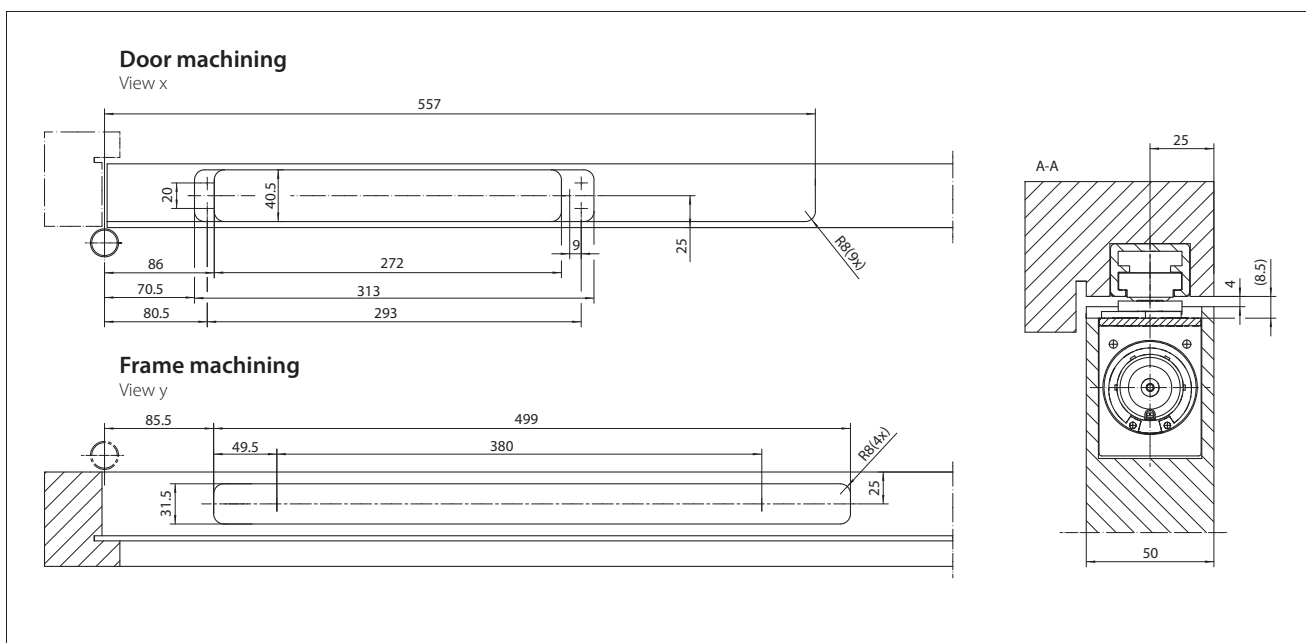


Fig. 21-2 · Integrated freeswing door closer GEZE Boxer EFS size 4 with guide rail (timber door)

ORDERING INFORMATION

Description	Finish	ID No.
GEZE Boxer	size 2-4	099728
	size 2-4 with axis prolonged by 4 mm	101759
	size 2-4 with axis prolonged by 8 mm	101760
GEZE Boxer	size 3-6	099735
	size 3-6 with axis prolonged by 4 mm	101761
	size 3-6 with axis prolonged by 8 mm	101762
Guide rail for Boxer	with lever, silver	095137
	with lever, with mechanical hold-open ¹⁾	095141
	30 mm, with lever	112161
E-guide rail for Boxer	with lever, with electromechanical hold-open	119640
ISM-guide rail for Boxer	with lever, silver	114141
	for door leaf width 1130-1300 mm	120894
Mechanical hold-open device	for asymmetrical door partitioning	128597
	(retro-fittable at ISM-guide rail for Boxer) ¹⁾	118437
E-ISM-guide rail for Boxer	with lever, silver	114142
	for door leaf width 1130-1300 mm	120895
	for asymmetrical door partitioning	128598
Guide rail for Boxer P	with lever, silver	104245
	with lever, with mechanical hold-open ¹⁾	104246
E-guide rail for Boxer P	with lever, with electromechanical hold-open	120077
GEZE Boxer EFS size 4	with freeswing function	108881
Smoke switch control unit RSZ 6	silver	099851
	dark bronze	099857
	white RAL 9016	099858
	RAL colour	099859
Circuit breaker UTA	flush-mounted version	116266
Standard box for surface-mounting		120503

¹⁾ In Germany not permitted for use with smoke and fire doors

References



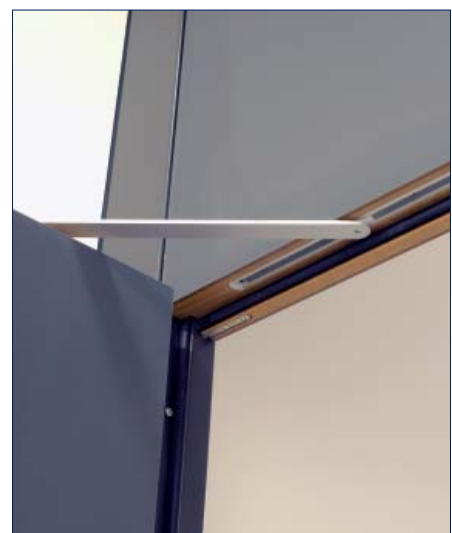
Gerechtsgebouw, Gent



Kreissparkasse Ludwigsburg



Neue Messe, Stuttgart





GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS
FLOOR SPRINGS FOR SINGLE AND DOUBLE ACTION DOORS



GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

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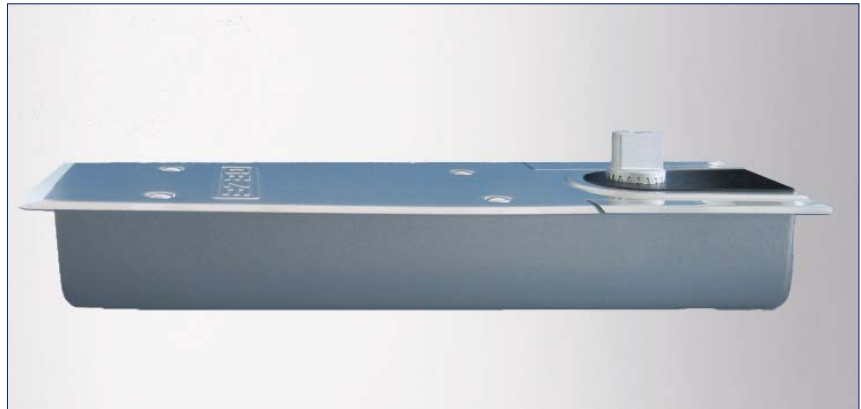
GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

GEZE TS 500 NV / TS 500 N EN3

Floor springs for 1-leaf single and double action doors up to 1100 mm leaf width

Product features

- Overall height 42 mm
- Closing force adjustable size 1-4 according to EN1154 (TS 500 NV)
Closing force size 3 according to EN 1154 (TS 500 N EN3)
- Back check
- Closing speed adjustable
- Latching action adjustable (TS 500 NV)
- Safety valve preventing deliberate overloading
- Closing range from approx. 170°
- Large adjustment range:
height 6 mm, lateral 10 mm,
length 10 mm
- Galvanised cement box



Application range TS 500 NV

- For right and left hand closing single-action doors
- For internal double-action doors
- For leaf width up to 1100 mm
- For leaf weights up to 150 kg

Application range TS 500 N EN3

- For internal right and left closing single-action doors
- For internal double-action doors
- For leaf width up to 950 mm
- For leaf weights up to 100 kg

Standard version/Scope of delivery

Floor spring complete with flat-tapered spindle, cement box and installation instructions. Without hold-open mechanism (cover plate not included).

Special versions

- With hold-open mechanism 85°, 90°, 105° and 120°
- With extended spindle up to 50 mm (5 mm selection)

Cover plates

Various cover plates with screw accessories are available for GEZE floor springs. Cover plates can be used for both right and left hand closing single-action doors and for double-action doors.

Pivot lever/Guide rail

For the installation of a floor spring for a single-action door a special pivot lever and door rail with a pivot point of 36 mm is required.

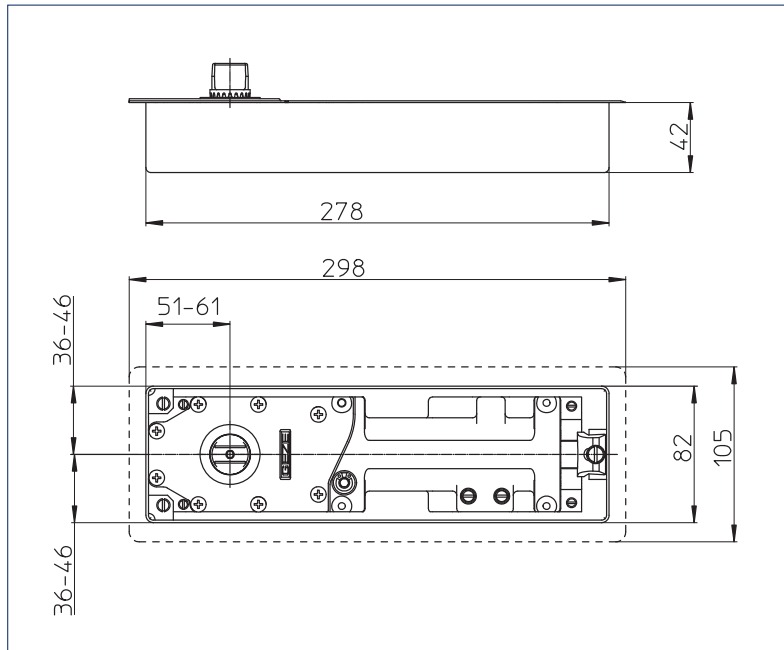
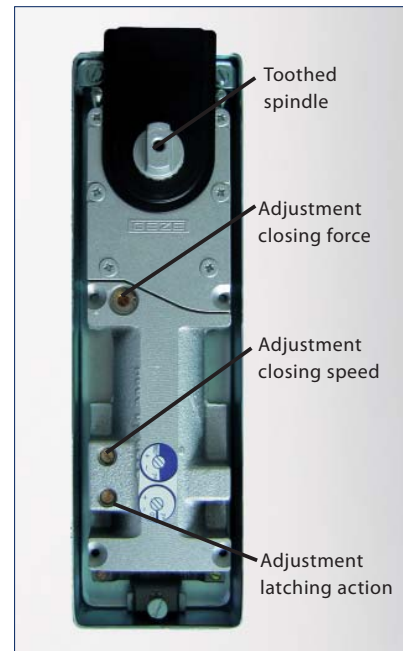


Fig. 04-1 · GEZE Floor spring TS 500 NV (same dimensions for GEZE TS 500 N EN3)



GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

Ordering information

Description	Finish	ID no.
GEZE TS 500 NV	standard version	102084
GEZE TS 500 NV with hold-open mechanism ¹⁾	hold-open angle:	
	85°	103974
	90°	104028
	105°	104029
	120°	104030
GEZE TS 500 N EN3	standard version	103086
GEZE TS 500 N EN3 with hold-open mechanism ¹⁾	hold-open angle:	
	85°	104046
	90°	104047
	105°	111594
	120°	111596
Accessories		
Pivot lever and guide rail	see page 20 f.	
Cover plate	stainless steel	102127
	LM, dark bronze	103011
	satin brass	103012
Toothed spindle extensions ²⁾	length:	
	5 mm	010337
	8 mm	050930
	10 mm	010338
	13 mm	052170
	15 mm	010347
	20 mm	010372
	25 mm	010373
	28 mm	050931
	30 mm	010374
	35 mm	010377
	40 mm	010378
45 mm	010381	
50 mm	010385	

¹⁾ The specified hold-open angle applies to single-action doors. With double-action doors, each hold-open angle is 50 greater.
Example: A GEZE TS 500 NV with 85° hold-open will have a hold-open angle of 135°, if used as floor spring for double-action doors.

²⁾ The use of an extended spindle may become necessary depending on the mounting position.
The original GEZE TS 500 NV / TS 500 N EN3 spindle can be easily unscrewed and replaced by a longer version.

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

GEZE TS 550 NV / TS 550 N EN4

Floor springs for 1-leaf single and double action doors up to 1400 mm leaf width

Product features

- Overall height 54 mm
- Closing force adjustable size 3-6 according to EN1154 (TS 550 NV)
Closing force size 4 according to EN 1154 4 (TS 550 N EN4)
- Infinitely variable hydraulic hold-open (80° - 165°), can be enabled/disabled
- Delayed closing instead of hold-open is possible
- Closing speed adjustable
- Latching action adjustable
- Fixed back check, integrated
- Safety valve preventing deliberate overloading
- All settings can be adjusted from the top (when installed)
- Closing range from approx. 170°
- Large adjustment range:
height 6 mm, lateral 10 mm, length 9 mm
- Galvanised cement box

Application range TS 550 NV

- For highly frequented doors
- For right and left hand closing single-action doors
- For double-action doors
- For leaf width up to 1400 mm
- For leaf weights up to 300 kg



Application range TS 550 N EN4

- For highly frequented doors
- For right and left hand closing single-action doors
- For double-action doors
- For leaf width up to 1100 mm
- For leaf weights up to 300 kg

Standard version/Scope of delivery

Floor spring complete with flat-tapered spindle, cement box and installation instructions (cover plate not included)

Special versions

With extended spindle up to 50 mm (5 mm selection)

Sturdy cover plates, 1,5 mm thick

Various cover plates with screw accessories are available for GEZE floor springs. Cover plates can be used for both right and left hand closing single-action doors and for double-action doors.

Pivot lever/Guide rail

For the installation of a floor spring for a single-action door a special pivot lever and door rail with a pivot point of 36 mm is required.

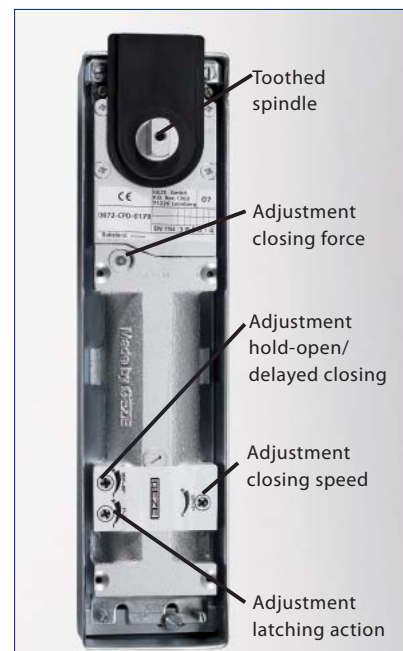
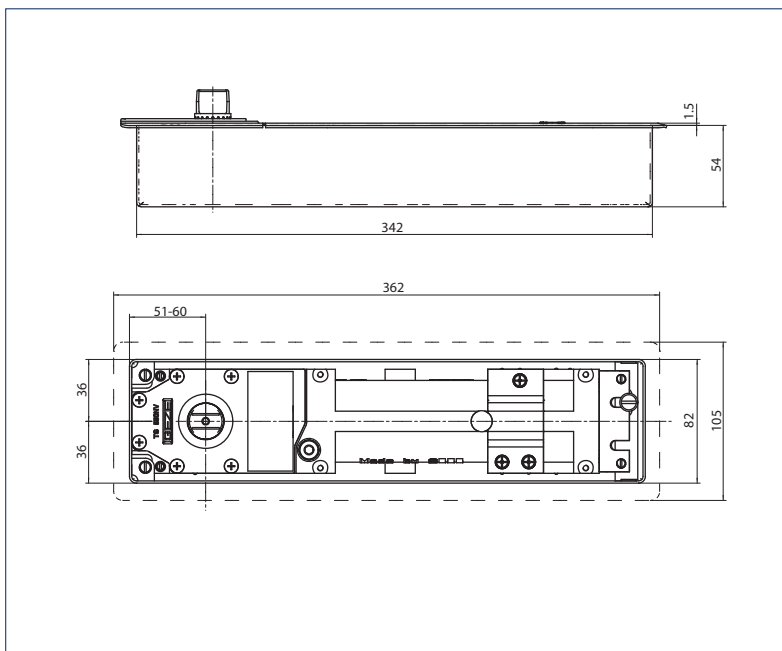


Fig. 06-1 · GEZE floor spring TS 550 NV (same dimensions for GEZE TS 550 N EN4)

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

Bestellinformation

Description	Finish	ID no.	
GEZE TS 550 NV	standard version	123950	
GEZE TS 550 N EN4	standard version	125982	
Accessories			
Pivot lever and guide rail	see page 20 f.		
Cover plate	stainless steel	125888	
	LM, dark bronze	125889	
	satin brass	125890	
Toothed spindle extensions ¹⁾	length:		
		5 mm	010337
		8 mm	050930
		10 mm	010338
		13 mm	052170
		15 mm	010347
		20 mm	010372
		25 mm	010373
		28 mm	050931
		30 mm	010374
		35 mm	010377
	40 mm	010378	
	45 mm	010381	
	50 mm	010385	

¹⁾ The use of an extended spindle may become necessary depending on the mounting position.

The original GEZE 550 NV / TS 550 N EN4 spindle can be easily unscrewed and replaced by a longer version.



TS 550 NV

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

GEZE TS 550 NV F

Floor springs for 1-leaf fire and smoke protection doors up to 1400 mm leaf width



Product features

- Overall height 54 mm
- Closing force size 3-6 according to EN1154 infinitely adjustable from the top
- Delayed closing is possible
- Closing speed adjustable
- Latching action adjustable
- Fixed back check, integrated
- Safety valve preventing deliberate overloading
- All settings can be done from the top
- Closing range from approx. 180°
- Large adjustment range: height 6 mm, lateral 10 mm, length 9 mm
- Galvanised cement box

Application range

- For fire doors without hold-open mechanism
- For highly frequented doors
- For right and left hand closing single-action doors
- For leaf width up to 1400 mm
- For leaf weights up to 300 kg

Standard version/Scope of delivery

Floor spring complete with flat-tapered spindle and cement box (cover plate not included)

The requirement

The standards stipulate that the door closer size (closing force of the closer) must be selected appropriate to the door width. The next highest size must be selected if the structural (door height, door weight) or local conditions (wind influence) make this necessary.

The solution from GEZE

The floor spring TS 550 NV F covers several door closer sizes in one housing. These sizes can be adjusted using an adjustment screw.

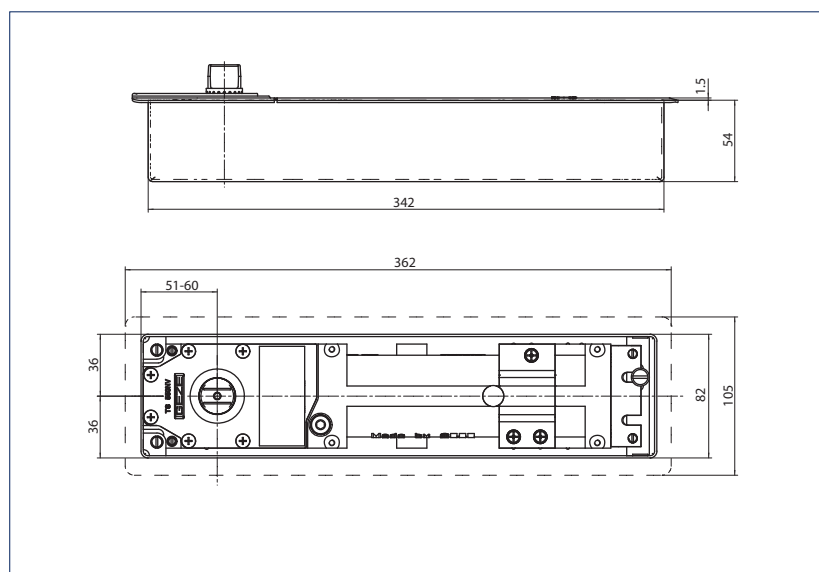


Fig. 08-1 · GEZE floor spring TS 550 NV F

Closing force	Door leaf width (mm)
Size 3	up to 950
Size 4	over 950 up to 1100
Size 5	over 1100 up to 1250
Size 6	over 1250 up to 1400

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

Ordering information

Description	Finish	ID no.	
GEZE TS 550 NV F	DIN left	132755	
GEZE TS 550 NV F	DIN right	132754	
Accessories			
Pivot lever and guide rail	see page 20 f.		
Cover plate	stainless steel	125888	
	LM, dark bronze	125889	
	satin brass	125890	
Toothed spindle extensions ^{1) 2)}	length:		
		5 mm	010337
		8 mm	050930
		10 mm	010338
		13 mm	052170
		15 mm	010347
		20 mm	010372
		25 mm	010373
		28 mm	050931
		30 mm	010374
		35 mm	010377
	40 mm	010378	
	45 mm	010381	
	50 mm	010385	

¹⁾ Only for approved fire and smoke protection doors where the use of spindle extensions has been specified in the official approval certificate.

²⁾ The use of an extended spindle may become necessary depending on the mounting position.
The original GEZE 550 NV F spindle can be easily unscrewed and replaced by a longer version.



TS 550 NV F

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

GEZE TS 550 E

Floor spring with electromechanical hold-open for 1-leaf fire and smoke protection doors up to 1400 mm leaf width



Product features

- According to EN1154 and EN1155
- Closing force adjustable size 3-6
- Infinitely variable hold-open (80°-175°), can be enabled/disabled
- Variable hold-open time for held-open door
- Closer in only one construction size
- Closing force and latching action adjustable
- Safety valve preventing deliberate overloading
- Closing range from approx. 180°
- Large adjustment range: height 6 mm, lateral 10 mm, length 10 mm
- Galvanised cement box

- Plug-in connection cable (approx. 3 m)
- Approved for recognised smoke detection by the institute of civil engineering (DIBt), Berlin

Application range

- For right and left hand closing single-action doors
- For leaf width up to 1400 mm
- For leaf weights up to 250 kg
- For smoke and fire protection doors with provision for floor springs

Standard version/Scope of delivery

Floor spring complete with flat-tapered spindle, cement box and connection cable (cover plate not included)

The requirement

The standards stipulate that the door closer size (closing force of the closer) must be selected appropriate to the door width. The next highest size must be selected if the structural (door height, door weight) or local conditions (wind influence) make this necessary.

The solution from GEZE

The floor spring TS 550 E covers several door closer sizes in one housing. These sizes can be adjusted using an adjustment screw.

Closing force	Door leaf width (mm)
Size 3	up to 950
Size 4	over 950 up to 1100
Size 5	over 1100 up to 1250
Size 6	over 1250 up to 1400

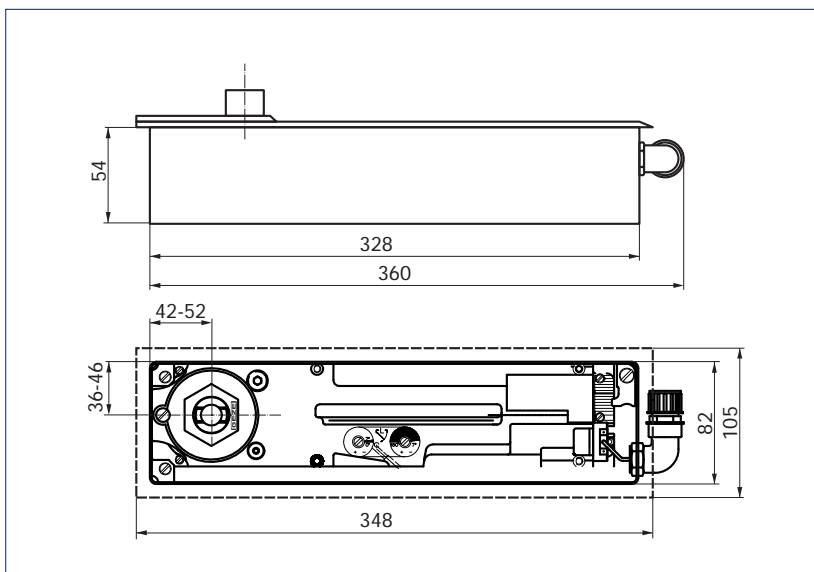


Fig. 10-1 · GEZE floor spring TS 550 E

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

Ordering information

Description	Finish	ID no.	
GEZE TS 550 E (operating voltage 24 V DC)	DIN left	064975	
	DIN right	064976	
Accessories			
Pivot lever and guide rail	see page 20 f.		
Deckplatte	stainless steel	057766	
	LM, dark bronze	057769	
	satin brass	057767	
Toothed spindle extensions ^{1) 2)}	length:		
		5 mm	010337
		8 mm	050930
		10 mm	010338
		13 mm	052170
		15 mm	010347
		20 mm	010372
		25 mm	010373
		28 mm	050931
		30 mm	010374
		35 mm	010377
	40 mm	010378	
	45 mm	010381	
	50 mm	010385	

¹⁾ Only for approved fire and smoke protection doors where the use of spindle extensions has been specified in the official approval certificate.

²⁾ The use of an extended spindle may become necessary depending on the mounting position.

The original GEZE 550 E spindle can be easily unscrewed and replaced by a longer version.



TS 550 E

GEZE TS 23

Floor spring for 1-leaf single-action doors



Product features

- Closing force size 2, 4 or 5 according to EN 1154
- 3 closer versions with different closer sizes
- 90° hold-open can be enabled/disabled
- Closing speed adjustable
- Safety valve preventing deliberate overloading
- Adjustment range: lateral 10 mm, length 5 mm
- Galvanised cement box

Application range

- For right and left hand closing single-action doors
- For leaf width up to 850 mm, size 2 according to EN 1154 up to 1100 mm, size 4 according to EN 1154 up to 1250 mm, size 5 according to EN 1154
- For leaf weights up to 250 kg

Standard version/Scope of delivery

Floor spring complete with flat-tapered spindle left or right and cement box (cover plate not included)

Special versions

- GEZE TS 23 for wet environment ¹⁾
- GEZE TS 23 with extended spindle, up to 50 mm (in 5 mm steps)
- GEZE TS 23 with flat-tapered spindle

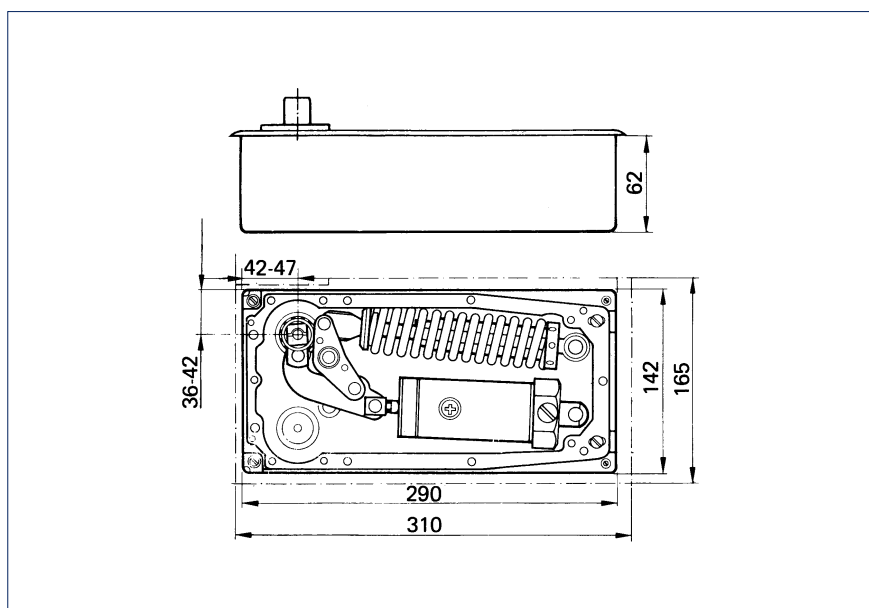


Fig. 12-1 · GEZE floor spring TS 23

¹⁾Two canisters of sealing compound (ID no. 058879) required to fill cavity between closer and cement box

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

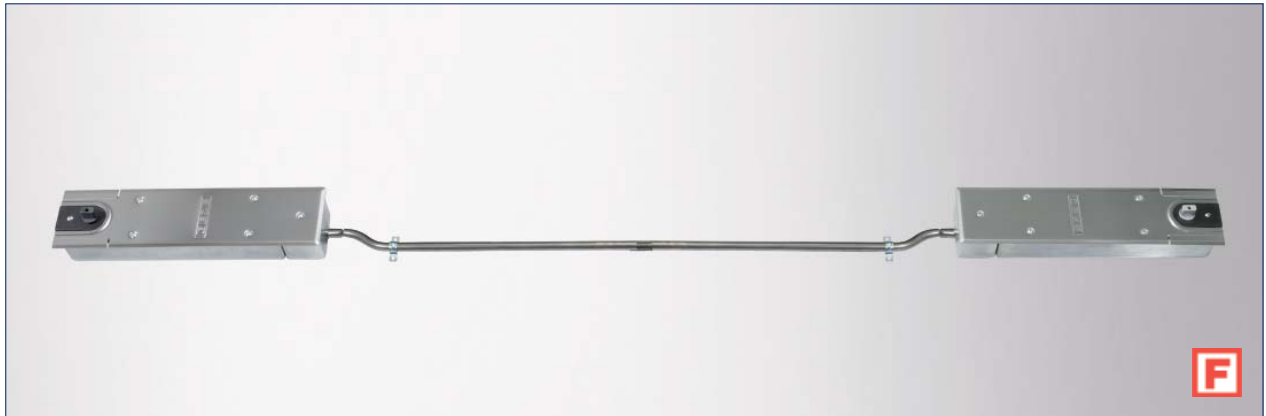
Ordering information

Description	Finish	ID no.	ID no. with special spindle
GEZE TS 23 ¹⁾ size EN 2	DIN left	007188	105803
	DIN right	007191	105804
GEZE TS 23 ¹⁾ size EN 4	DIN left	007189	105815
	DIN right	007192	105816
GEZE TS 23 ¹⁾ size EN 5	DIN left	007190	105817
	DIN right	007193	105818
Accessories			
Pivot lever and guide rail	see page 20 f.		
Pivot bearing	see page 20		
Cover plate	stainless steel	DIN left	012328
		DIN right	012329
	LM, dark bronze	DIN left	000842
		DIN right	000481
	satin brass	DIN left	012446
		DIN right	012455

¹⁾ with hold-open 90°, can be enabled/disabled

GEZE TS 550 IS

Floor spring with integrated door selector for 2-leaf fire and smoke protection doors up to 1400 mm width per leaf



Product features

- According to EN 1154 A and EN 1158
- Closing force adjustable size 3-6
- Closer in only one construction size
- Integrated, concealed door selector
- Closing speed and latching action adjustable
- Safety valve preventing deliberate overloading
- Closing range from approx. 180°
- Large adjustment range: height 6 mm, lateral 10 mm, length 10 mm
- Galvanised cement box

Application range

- For right and left hand closing single-action doors
- For width up to 1400 mm per leaf
- Also suitable for leaves with different widths
- For leaf weights up to 250 kg
- For smoke and fire protection doors with provision for floor springs

Standard version/Scope of delivery

- 1) TS 550 IS fixed leaf complete with flat-tapered spindle and cement box (cover plate not included)
- 2) TS 550 IS moving leaf complete with flat-tapered spindle and cement box (cover plate not included)

The requirement

The standards stipulate that the door closer size (closing force of the closer) must be selected appropriate to the door width. The next highest size must be selected if the structural (door height, door weight) or local conditions (wind influence) make this necessary.

The solution from GEZE

The floor spring TS 550 IS covers several door closer sizes in one housing. These sizes can be adjusted using an adjustment screw.

Closing force	Door leaf width (mm)
Size 3	up to 950
Size 4	over 950 up to 1100
Size 5	over 1100 up to 1250
Size 6	over 1250 up to 1400

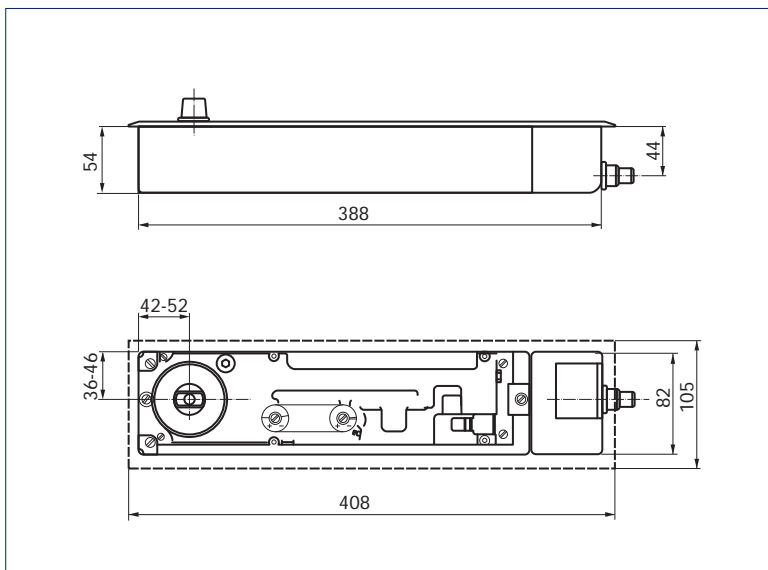


Fig. 14-1 · GEZE floor spring TS 550 IS

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

Ordering information

Description	Finish	ID no.	
GEZE TS 550 IS moving leaf	DIN left	059522	
	DIN right	059549	
GEZE TS 550 IS fixed leaf	DIN left	059521	
	DIN right	059557	
Accessories			
Pivot lever and guide rail	see page 20 f.		
Cover plate	stainless steel	059756	
Protective steel conduit incl. mounting material		059556	
Toothed spindle extensions ^{1) 2)}	length:		
		5 mm	010337
		8 mm	050930
		10 mm	010338
		13 mm	052170
		15 mm	010347
		20 mm	010372
		25 mm	010373
		28 mm	050931
		30 mm	010374
		35 mm	010377
		40 mm	010378
	45 mm	010381	
	50 mm	010385	

¹⁾ Only for approved fire and smoke protection doors where the use of spindle extensions has been specified in the official approval certificate.

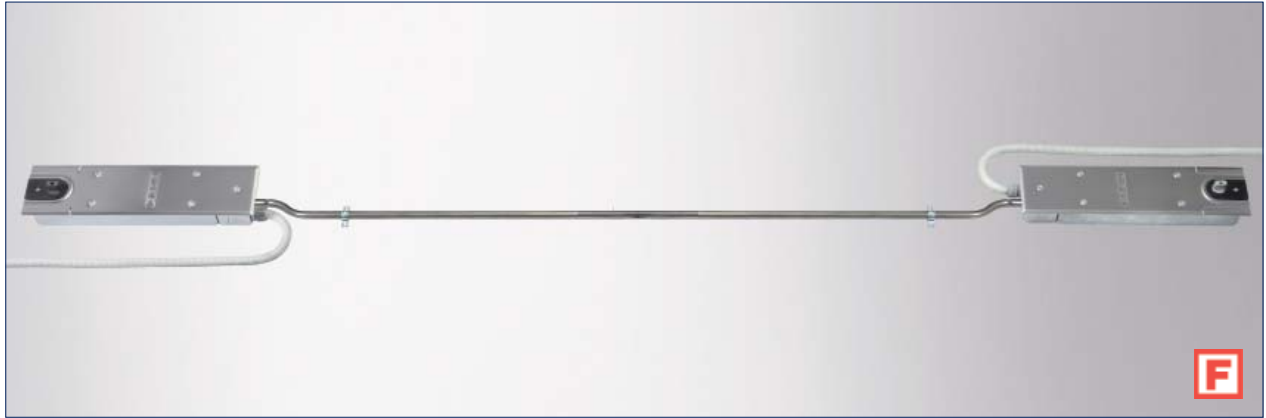
²⁾ The use of an extended spindle may become necessary depending on the mounting position.
The original GEZE 550 IS spindle can be easily unscrewed and replaced by a longer version.



TS 550 IS

GEZE TS 550 E-IS

Floor spring with electromechanical hold-open and integrated door selector for 2-leaf fire and smoke protection doors up to 1400 mm width per leaf



Product features

- According to EN1154, EN1155 and EN1158
- Closing force adjustable size 3-6
- Closer in only one construction size
- Infinitely variable hold-open (80°-175°) independently adjustable, can be enabled/disabled
- Variable hold-open time for held-open door
- Integrated, concealed door selector
- Closing speed and latching action adjustable
- Safety valve preventing deliberate overloading
- Closing range from approx. 180°
- Large adjustment range: height 6 mm, lateral 10 mm, length 10 mm
- Galvanised cement box

- Plug-in connection cable (approx. 3 m)
- Approved for recognised smoke detection by the institute of civil engineering (DIBt), Berlin

Application range

- For right and left hand closing single-action doors
- For widths up to 1400 mm per leaf
- Also suitable for leaves with different widths
- For leaf weights up to 250 kg
- For smoke and fire protection doors with provision for floor springs

Standard version/Scope of delivery

- 1) TS 550 E-IS fixed leaf complete with flat-tapered spindle, cement box, plug-in connection cable and cable with connector (cover plate not included)

- 2) TS 550 E-IS moving leaf complete with flat-tapered spindle, cement box, plug-in connection cable, cable with connector incl. bowden cable (cover plate not included)

The requirement

The standards stipulate that the door closer size (closing force of the closer) must be selected appropriate to the door width. The next highest size must be selected if the structural (door height, door weight) or local conditions (wind influence) make this necessary.

The solution from GEZE

The floor spring TS 550 E-IS covers several door closer sizes in one housing. These sizes can be adjusted using an adjustment screw.

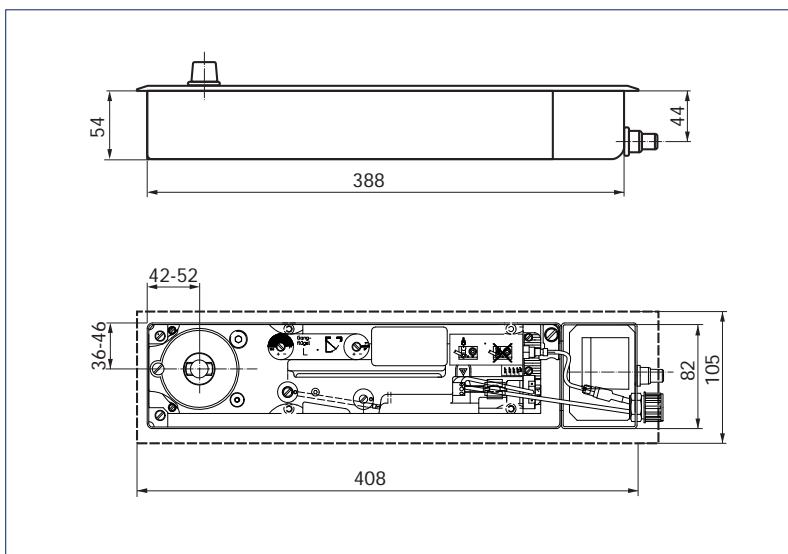


Fig. 16-1 · GEZE floor spring TS 550 E-IS

Closing force	Door leaf width (mm)
Size 3	up to 950
Size 4	over 950 up to 1100
Size 5	over 1100 up to 1250
Size 6	over 1250 up to 1400

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

Ordering information

Description	Finish	ID no.	
GEZE TS 550 E-IS (operating voltage 24 V DC) moving leaf	DIN left	068625	
	DIN right	068626	
GEZE TS 550 E-IS (operating voltage 24 V DC) fixed leaf	DIN left	068579	
	DIN right	068580	
Accessories			
Pivot lever and guide rail	see page 20 f.		
Cover plate	stainless steel	059756	
Protective steel tube inclusive mounting material		059556	
Protective conduit		063558	
Toothed spindle extensions ^{1) 2)}	length:		
		5 mm	010337
		8 mm	050930
		10 mm	010338
		13 mm	052170
		15 mm	010347
		20 mm	010372
		25 mm	010373
		28 mm	050931
		30 mm	010374
		35 mm	010377
		40 mm	010378
	45 mm	010381	
	50 mm	010385	

¹⁾ Only for approved fire and smoke protection doors where the use of spindle extensions has been specified in the official approval certificate.

²⁾ The use of an extended spindle may become necessary depending on the mounting position.

The original GEZE 550 E-IS spindle can be easily unscrewed and replaced by a longer version.



GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

GEZE TS 550 F-G / E-G / IS-G / E-IS-G

Floor springs with lever and guide rail for doors with hinges up to 1400 mm width per leaf



Produktmerkmale

- According to EN 1154 A / resp. EN 1155 / resp. EN 1158
- Closing force size 3-6
- Closer in only one construction size
- Closing speed and latching action adjustable
- Safety valve preventing deliberate overloading
- Closing range from approx. 180°
- Large adjustment range: height 6 mm, lateral 10 mm, length 10 mm
- Galvanised cement box with overall height of 58 mm
- With special cover plate for a floor level clearance of 9 mm

Application range

- For right and left hand closing single-action doors²⁾
- For widths up to 1400 mm per leaf
- For smoke and fire protection doors with provision for floor springs

For 1-leaf doors

- GEZE TS 550 F-G without hold-open
- GEZE TS 550 E-G¹⁾ with electromechanical hold-open, infinitely variable 80°-150°
Functional description and electrical installation as for TS 550 E

For 2-leaf doors

- GEZE TS 550 IS-G with integrated door selector
- GEZE TS 550 E-IS-G¹⁾ with integrated door selector and electromechanical hold-open on both sides, infinitely variable 80°-150°
Functional description and electrical installation as for TS 550 E-IS

The requirement

The standards stipulate that the door closer size (closing force of the closer) must be selected appropriate to the door width. The next highest size must be selected if the structural (door height, door weight) or local conditions (wind influence) make this necessary.

The solution from GEZE

The floor spring TS 550 G and variations covers several door closer sizes in one housing. These sizes can be adjusted using an adjustment screw.

Closing force	Door leaf width (mm)
Size 3	up to 950
Size 4	over 950 up to 1100
Size 5	over 1100 up to 1250
Size 6	over 1250 up to 1400

¹⁾ Approved for recognised smoke detection by the institute of civil engineering (DIBt), Berlin

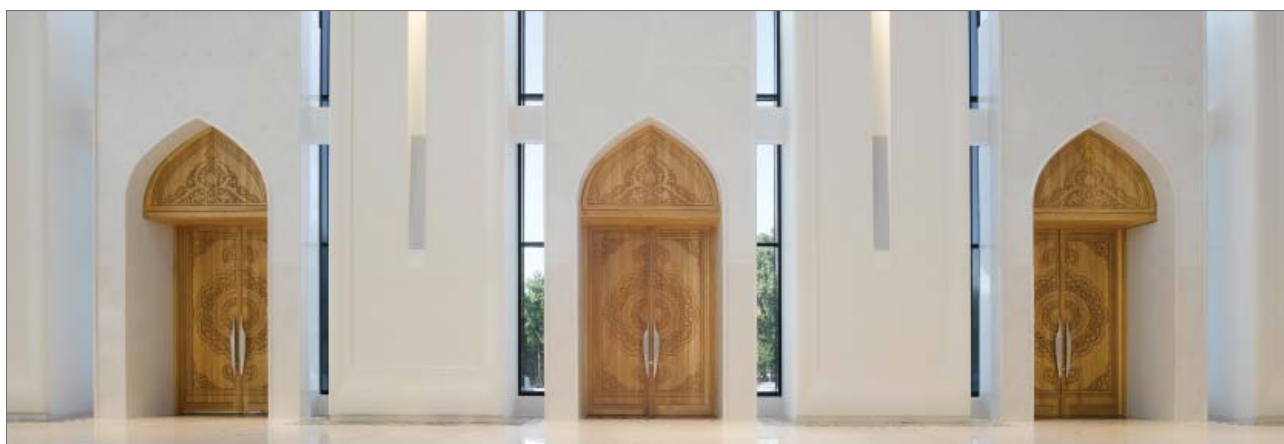
²⁾ Installation examples for floor springs with lever and guide rail, surface-mounted to rebated timber door and to flush timber door as well as concealed to rebated timber door and to flush timber door see page 33 f.

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

Ordering information

Description	Finish	ID no.
GEZE TS 550 F-G ¹⁾	DIN left	075037
	DIN right	075044
GEZE TS 550 E-G ¹⁾	DIN left	075053
	DIN right	075054
GEZE TS 550 IS-G moving leaf ¹⁾	DIN left	075069
	DIN right	075070
GEZE TS 550 IS-G fixed leaf ¹⁾	DIN left	075098
	DIN right	075099
GEZE TS 550 E-IS-G moving leaf ¹⁾	DIN left	075108
	DIN right	075109
GEZE TS 550 E-IS-G fixed leaf ¹⁾	DIN left	075110
	DIN right	075111
Accessories		
Guide rail, surface-mounted, with lever	silver	072848
	silver, with 25 mm spindle extension	072850
	RAL colour, with 25 mm spindle extension	080623
Guide rail, concealed, with lever	silver	072757
	silver, with 25 mm spindle extension	072847
	RAL colour, with 25 mm spindle extension	080622
Special cover plate for 9 mm floor level clearance for TS 550 F-G and TS 550 E-G	stainless steel	029429
Special cover plate for 9 mm floor level clearance for TS 550 IS-G and TS 550 E-IS-G	stainless steel	029432
Protective conduit for TS 550 E-G and TS 550 E-IS-G		063558
Protective steel tube inclusive mounting material for TS 550 IS-G and TS 550 E-IS-G		059556

¹⁾ without guide rail, without lever, with cement box 58 mm



TS 550 E-IS-G

GEZE Pivot bearing

Pivot bearing with fl at taper

see Fig. 20-1

Version	ID no.
Pivot bearing GEZE TS 137 b	009788

70 x 70 mm with square spindle
Max. door weight 250 kg

Pivot bearing with square socket

Version	ID no.
Pivot bearing GEZE TS 32 b	010556

70 x 70 mm with square spindle
Max. door weight 250 kg

Both pivot bearings are available with 5 mm extended spindle.

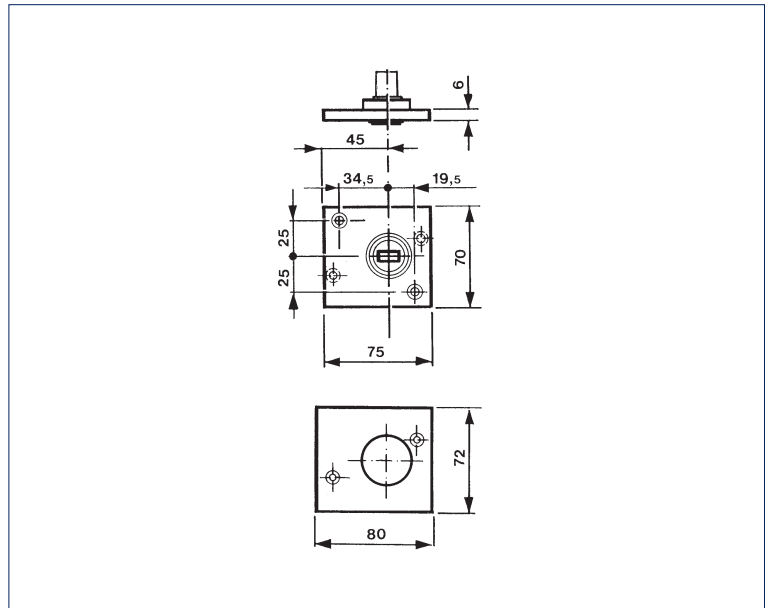


Fig. 20-1

Cover plate

Version	ID no.
Cover plate for pivot bearing	012846

80 x 72 mm with square spindle
with square socket / flat taper
Material: stainless steel

GEZE Door shoes and upper pivots for single action doors

Door shoe model DM

see Fig. 20-2

For bolting on.
Material: steel, drop-forged and galvanised.
With flat taper for almost every door system
(on request).

Version	ID no.
Adapted to profile system	
with flat taper / with square socket	001068
Adaption provided by customer	
with square socket	037631
with flat taper	037630



Door shoe model DM

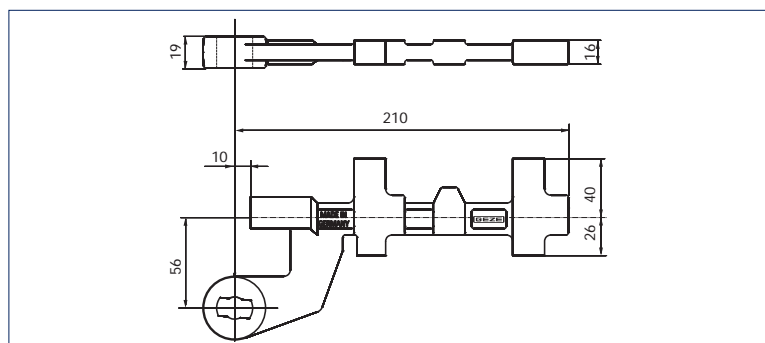


Fig. 20-2

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

GEZE Door shoes and upper pivots for single action doors

Door shoe model DB

see Fig. 21-1

For screw attachment to rebated and flush timber doors or aluminium doors.

For welding on steel doors.

Material: steel, drop-forged and galvanised.

Version	ID no.
with flat taper	044579
with square socket	037581



Door shoe and upper pivot model DB

Upper pivot model DB

see Fig. 21-2

Material: steel, drop-forged and galvanised.

Upper pivot pin length 45 mm.

Combination	ID no.
a	044676
b DIN left	044697
b DIN right	044680
c	044787

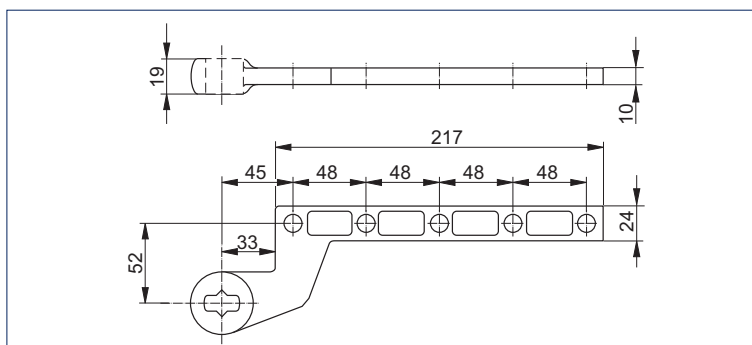


Fig. 21-1

Do not use any ID No. with upper pivot pin lengths 41 or 49 mm in combination a,b,c

Installation dimensions	Combination		
	a	b	c
Dimension =	S	S	S
Pivot pin 41 mm without spacer ring	41	28,5	16
Pivot pin 45 mm without spacer ring	45	32,5	20
Pivot pin 49 mm without spacer ring	49	36,5	24

If combination and upper pivot pin length are not specified, combination a with 45 mm upper pivot pin will be supplied.

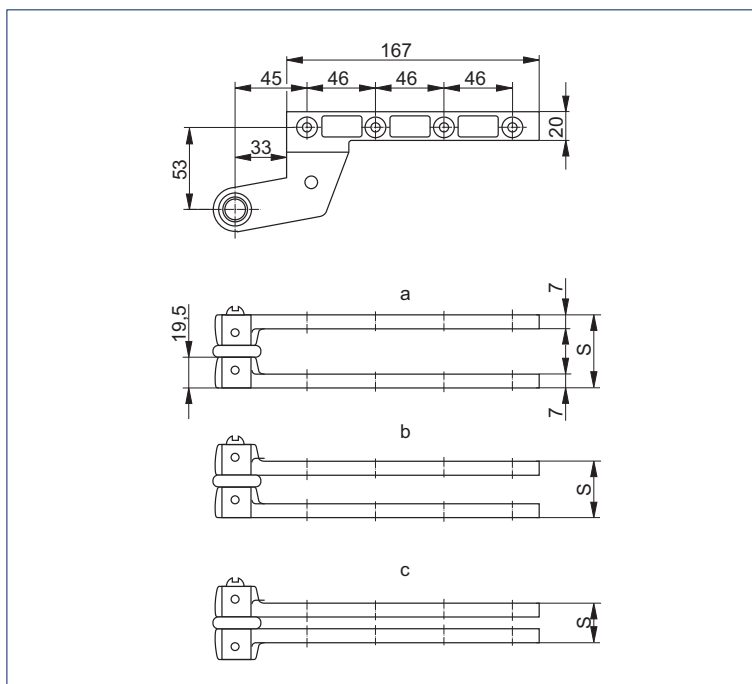


Fig. 21-2

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

GEZE Door shoes and upper pivots for single action doors

Door shoe model EK

see Fig. 22-1

For welding to steel doors.

Material: steel, drop-forged and galvanised.

Version	ID no.
with flat taper	008269
with square socket	006696



Door shoe model EK



Upper pivot model EK

Upper pivot model EK

see Fig. 22-2

Material: precision punched component made of drawn steel, phosphated.

Upper pivot pin length 45 mm

Combination	ID no.
a	006719
b DIN left	000889
b DIN right	000890
c	000891

Do not use any ID No. with upper pivot pin lengths 41 or 49 mm in combination a,b,c

Installation dimensions	Combination		
	a	b	c
Dimension =	S	S	S
Pivot pin 41 mm without spacer ring	41	27	13
Pivot pin 45 mm without spacer ring	45	31	17
Pivot pin 49 mm without spacer ring	49	35	21

If combination and upper pivot pin length are not specified, combination a with 45 mm upper pivot pin will be supplied.

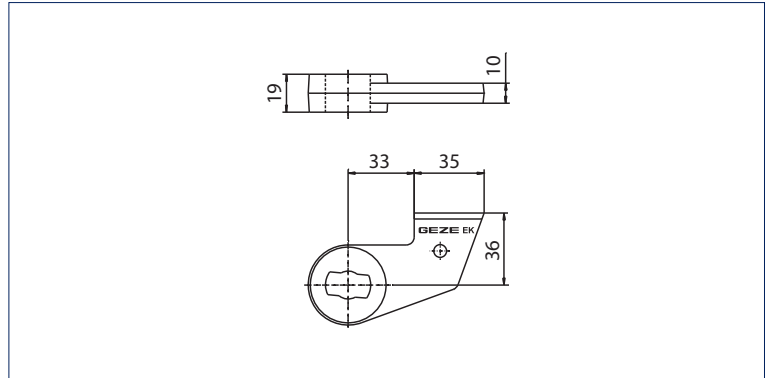


Fig. 22-1

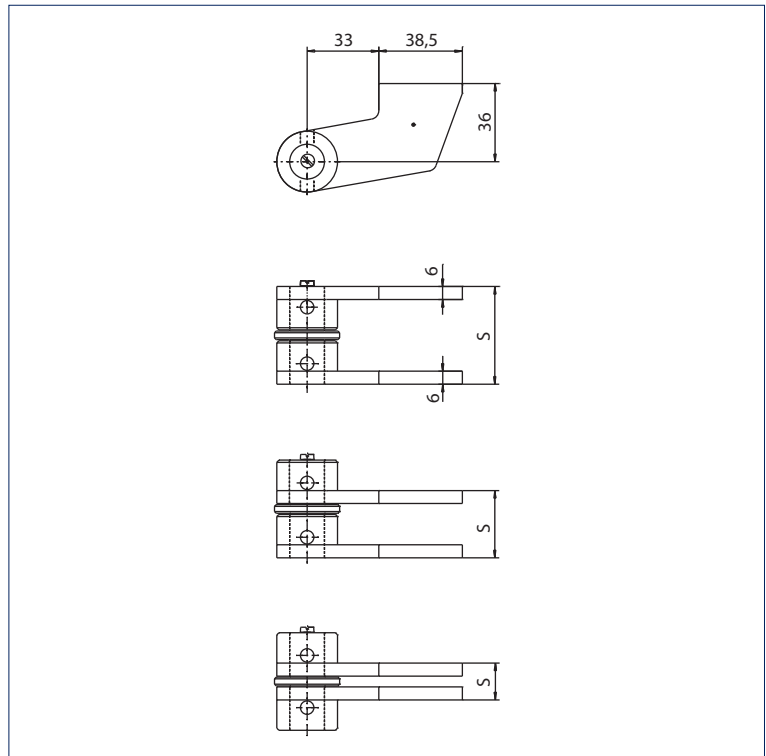


Fig. 22-2

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

GEZE Door shoes and upper pivot for single action doors

Door shoe model FK

see Fig. 23-1

For welding on steel doors.
Material: steel, drop-forged

Version	ID no.
with flat taper	008270
with square socket	006699



Door shoe model FK



Upper pivot model FK

Upper pivot model FK

see Fig. 23-2

Material: steel, drop-forged.
Upper pivot pin length 45 mm (standard)

Combination	ID no.
a	006724
b DIN left	000895
b DIN right	000896
c	000897

Do not use any ID No. with upper pivot pin lengths 41 or 49 mm in combination a,b,c

Installation dimensions	Combination		
	a	b	c
Dimension =	S	S	S
Pivot pin 41 mm without spacer ring	41	28	15
Pivot pin 45 mm without spacer ring	45	32	19
Pivot pin 49 mm without spacer ring	49	36	23

If combination and upper pivot pin length are not specified, combination a with 45 mm upper pivot pin will be supplied.

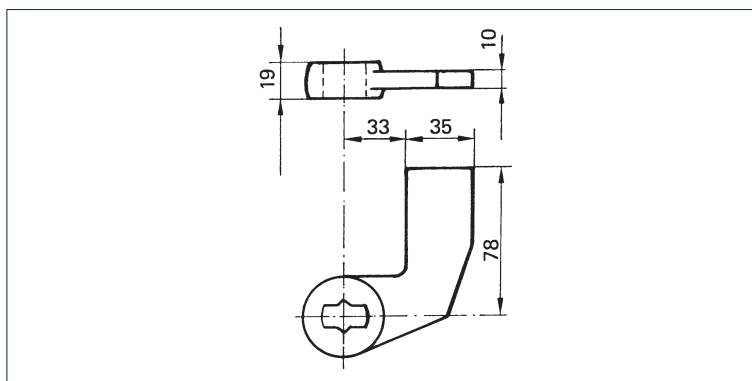


Fig. 23-1

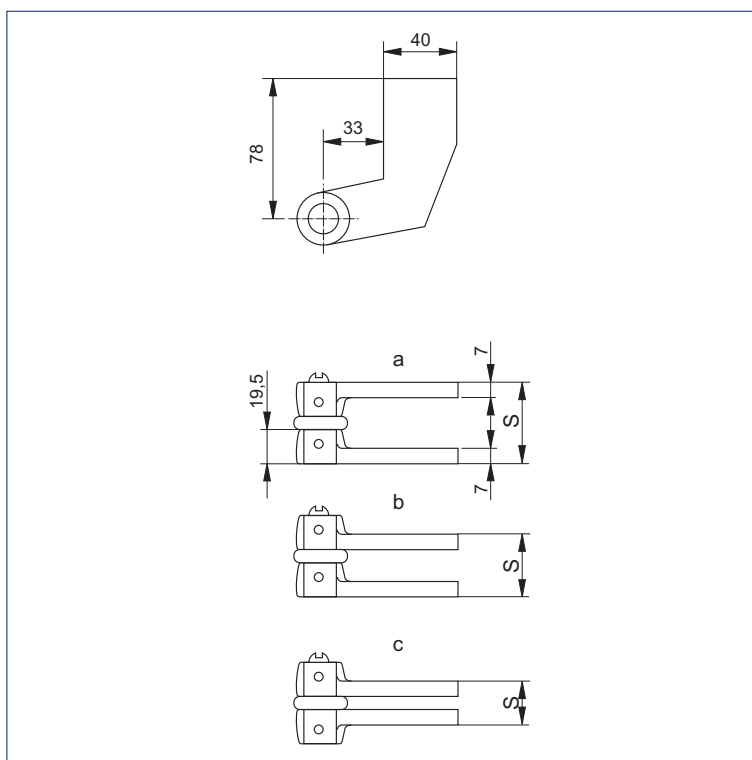


Fig. 23-2

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

GEZE Cover caps

Flush doors

Cover caps for door shoes model DM, DB, EK, FK

see Fig. 24-1

Material	ID no. DIN left	ID no. DIN right
stainless steel effect	137586	137577
LM anodised EV1	006794	006798



Cover cap

Cover caps for upper pivots model DB, EK, FK

see Fig. 24-2

Material	ID no.
stainless steel effect	137640
LM anodised EV1	001090

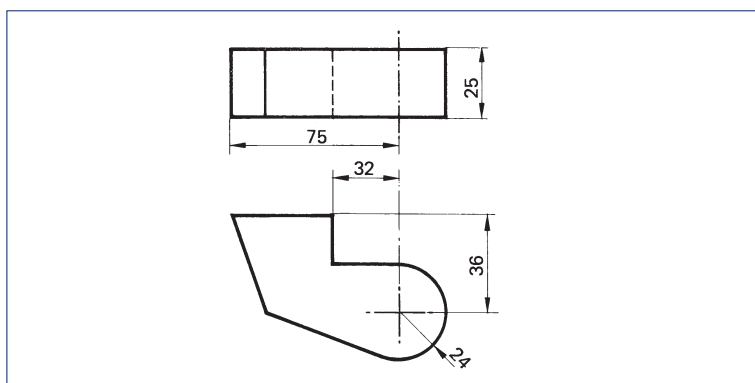


Fig. 24-1

Rebated doors

Cover caps for door shoes model DM, DB, EK, FK¹⁾

Material	ID no. DIN left	ID no. DIN right
stainless steel effect	137618	137617
LM anodised EV1	045196	045155

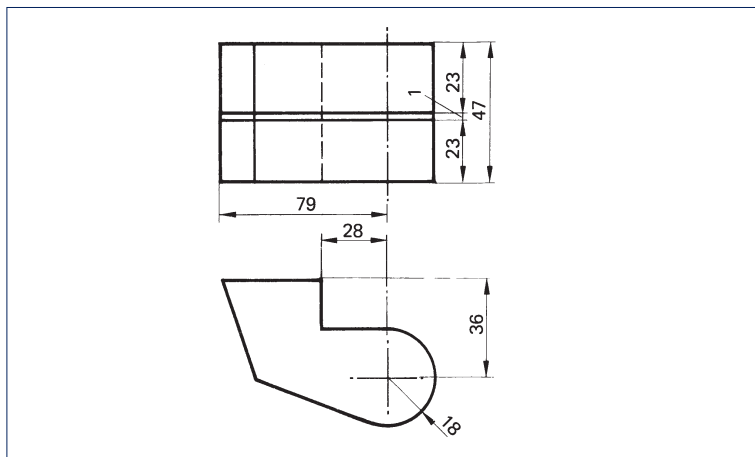


Fig. 24-2

¹⁾ The cover caps for door rail and the lower part of the hinge have been shortened by 14 mm for the installation into rebated doors.

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

GEZE Door shoes for double action doors

Door shoe model CM

see Fig. 25-1

For aluminium doors.
Material: steel, drop-forged and galvanised
For almost every door system
(on request)



Door shoe model C



Door shoe model S

Version	ID no.
with flat taper	001067

Door shoe model C

see Fig. 25-2

For metal and timber doors.
Material: steel, drop-forged

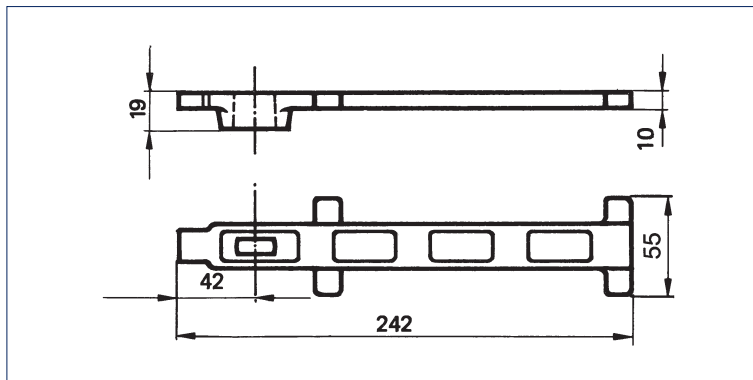


Fig. 25-1

Version	ID no.
with flat taper	007432

Door shoe model S

see Fig. 10-3

For welding on steel doors.
Material: steel

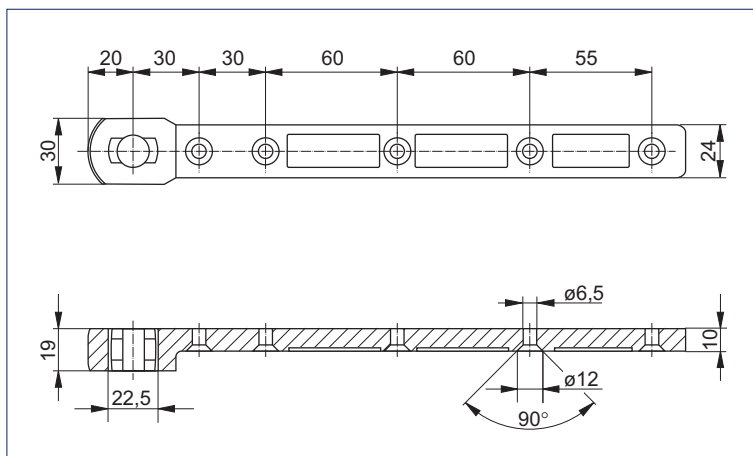


Fig. 25-2

Version	ID no.
with flat taper	007434

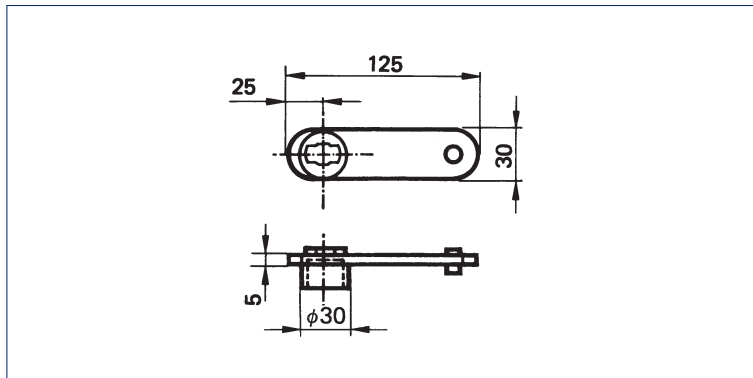


Fig. 10-3

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

GEZE Upper pivots for double action doors

Upper pivot model B

see Fig. 26-1

suitable for door shoe model CM, C and S

Description	Pivot pin	ID no.
Adjustable upper pivot model B	43 mm	006371
	55 mm	000108
	65 mm	000903



Upper pivot model B



Upper pivot model C

Upper pivot model C

see Fig. 26-2

suitable for door shoe model CM, C and S

Description	Pivot pin	ID no.
Adjustable upper pivot model C	43 mm	006666
	55 mm	000905
	65 mm	000904

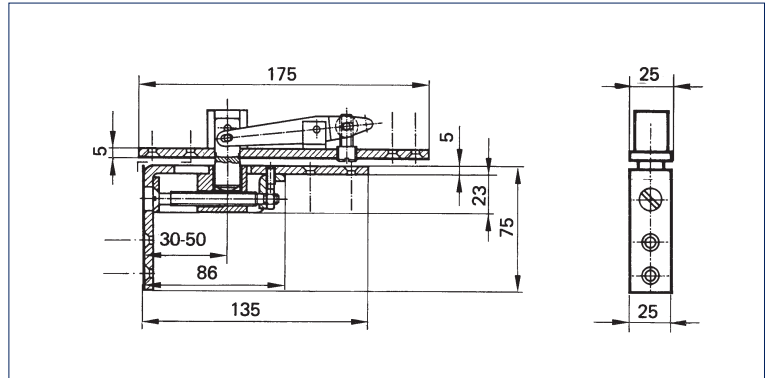


Fig. 26-1

Cover plate for top of upper pivots model B and C

Version	ID no.
LM satin	006375
LM anodised EV1	006376
LM anodised dark bronze	000876

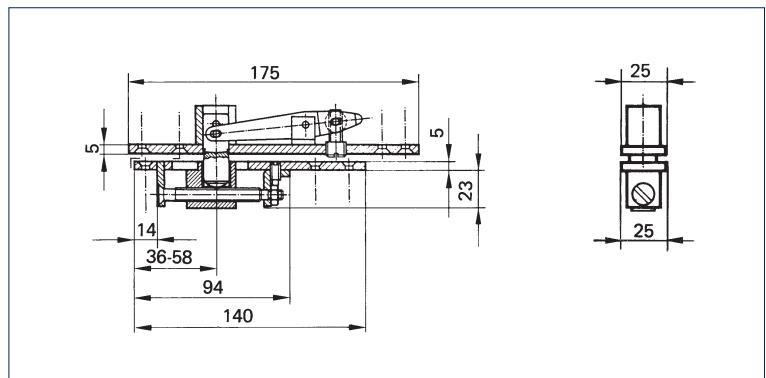


Fig. 26-2

Front plate for bottom of upper pivot model B

Version	ID no.
LM satin	006667
LM anodised EV1	006669
LM anodised dark bronze	000878

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

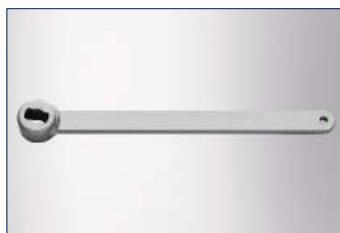
GEZE Pivot lever and guide rails

Pivot lever

see Fig. 27-1

Material: steel, galvanised
for mounting on doors with hinges

Type	Colour	ID no.
with flat taper	silver	056107
	dark bronze	056108
with square socket	silver	059599
	dark bronze	059600



Pivot lever



Guide rail

Guide rail

see Fig. 27-2

Material	Colour	ID no.
Aluminium	silver	056109
	dark bronze	056110

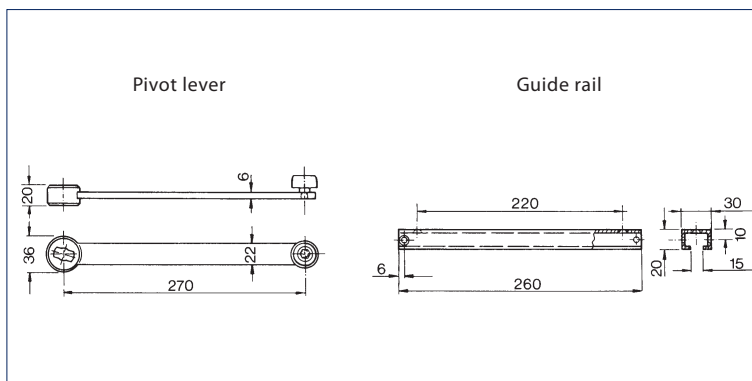
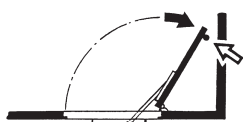


Fig. 27-1

Use door stop
for max. opening.
Installation layout,
see Fig. 27-2



Drawing	Installation	Angle
3	16 mm overlap	
	rebated door	115°
	flush door	135°
3A	rebated door	115°
	flush door	135°
4A	10 mm hinge distance	
	rebated door	
	39 mm leaf thickness	135°
	70 mm leaf thickness	115°
	flush door	
	39 mm leaf thickness	129°
	70 mm leaf thickness	102°
4	rebated door	
	39 mm leaf thickness	125°
	70 mm leaf thickness	102°
	flush door	
	39 mm leaf thickness	113°
	70 mm leaf thickness	92°

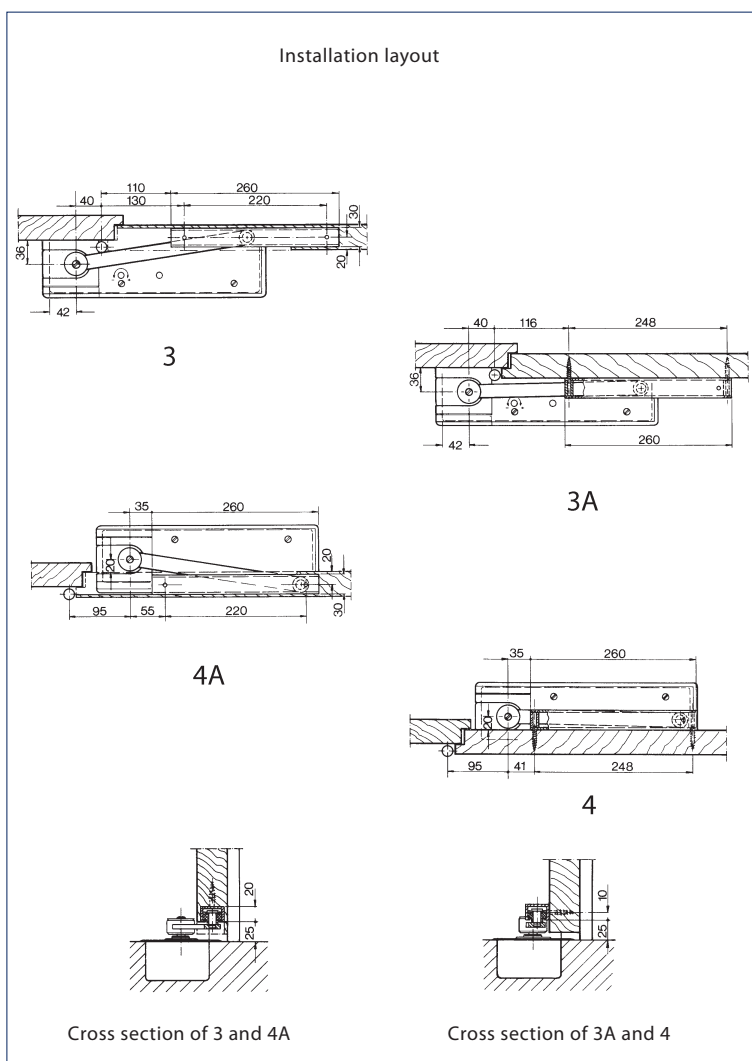


Fig. 27-2

Installation examples

Standard installation

Example showing the installation of a door rail, upper pivot, and floor spring GEZE TS 500 NV to a single action door (aluminium)

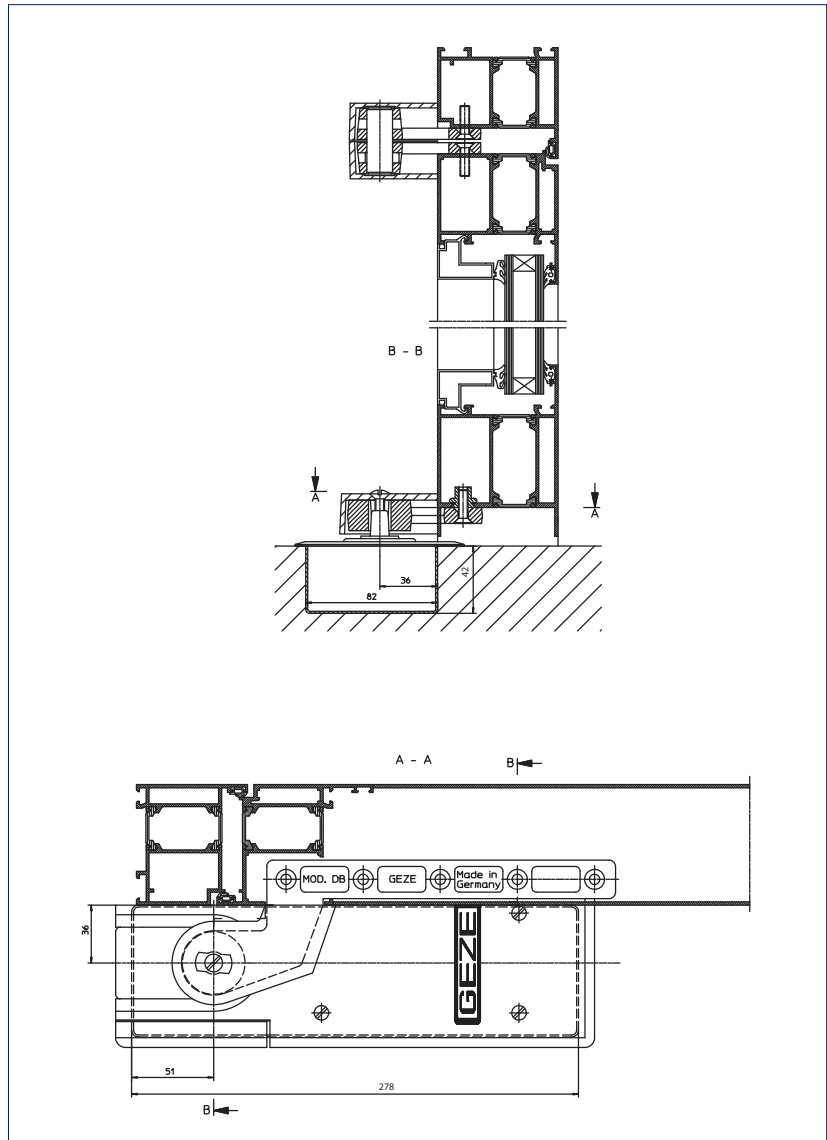


Fig. 28-1 · Standard installation of GEZE TS 500 NV to a single action door

Door rail for single action doors

Model	S	H
DM	16 mm	27 mm
DB, EK, FK	10 mm	24 mm

If spindle extensions are used, the installation dimension for height "H" is increased by the length of the spindle extension.

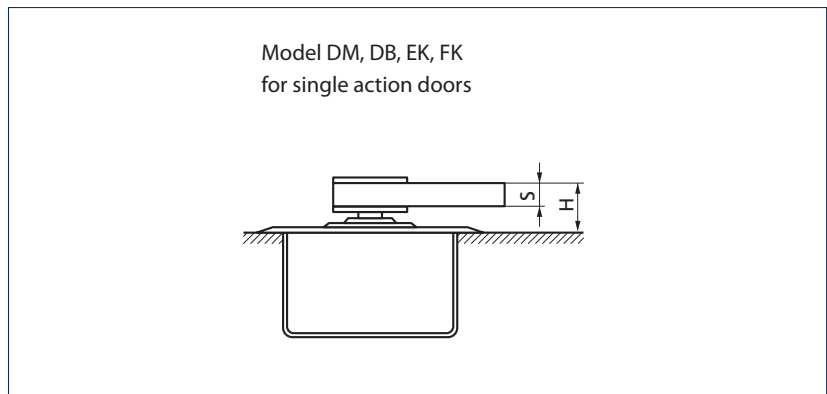


Fig. 28-2 · Door rail for single action doors

Installation examples

Standard installation

Example showing the installation of a door rail, upper pivot, and floor spring GEZE TS 550 NV to a single action door (aluminium)

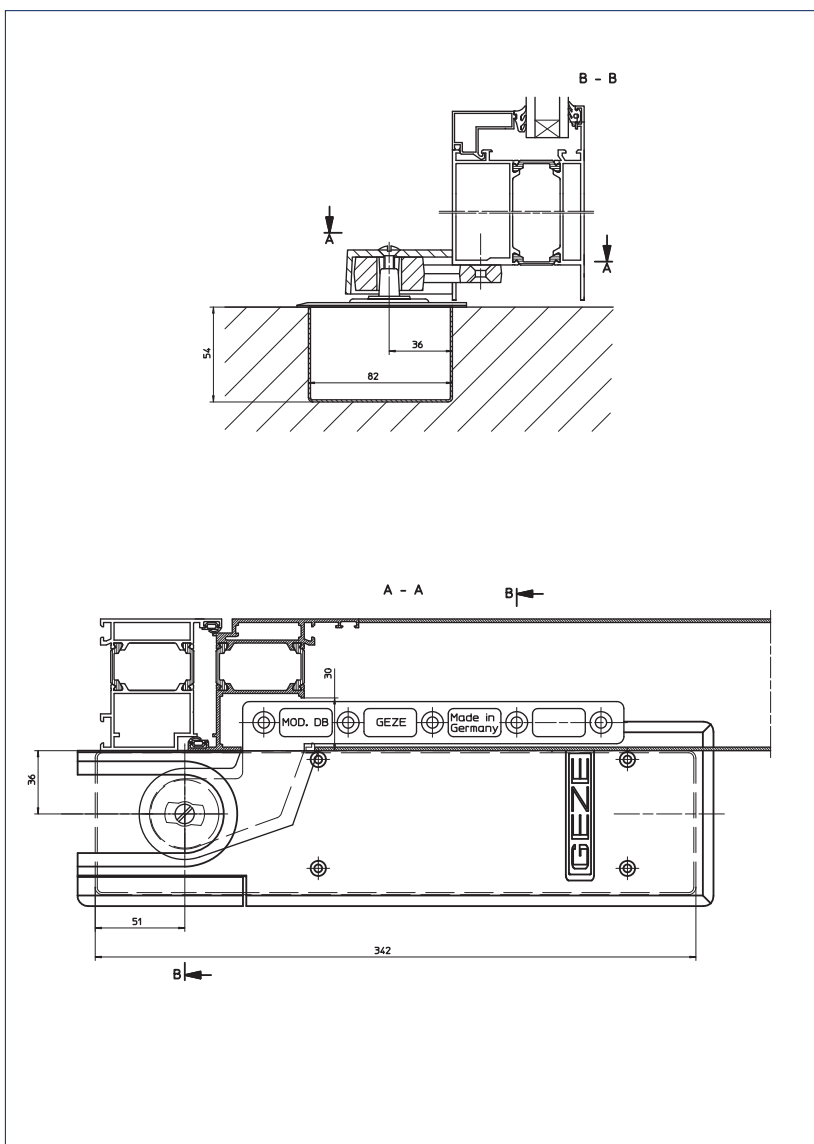


Fig. 29-1 · Standard installation of GEZE TS 550 NV to a single action door

Guide rail for single action doors

Model	S	H
DM	16 mm	27 mm
DB, EK, FK	10 mm	24 mm

If spindle extensions are used, the installation dimension for height "H" is increased by the length of the spindle extension.

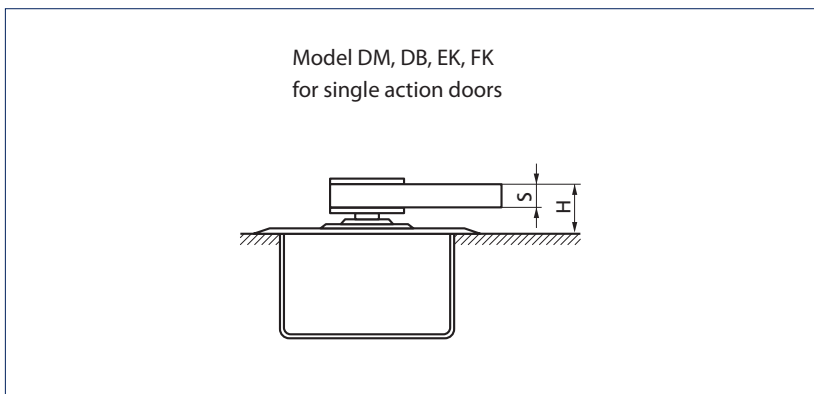


Fig. 29-2 · Guide rail for single action doors

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

Installation examples

Standard installation

Example showing the installation of a door rail, upper pivot and floor spring GEZE TS 500 NV and GEZE TS 550 NV to a double action door

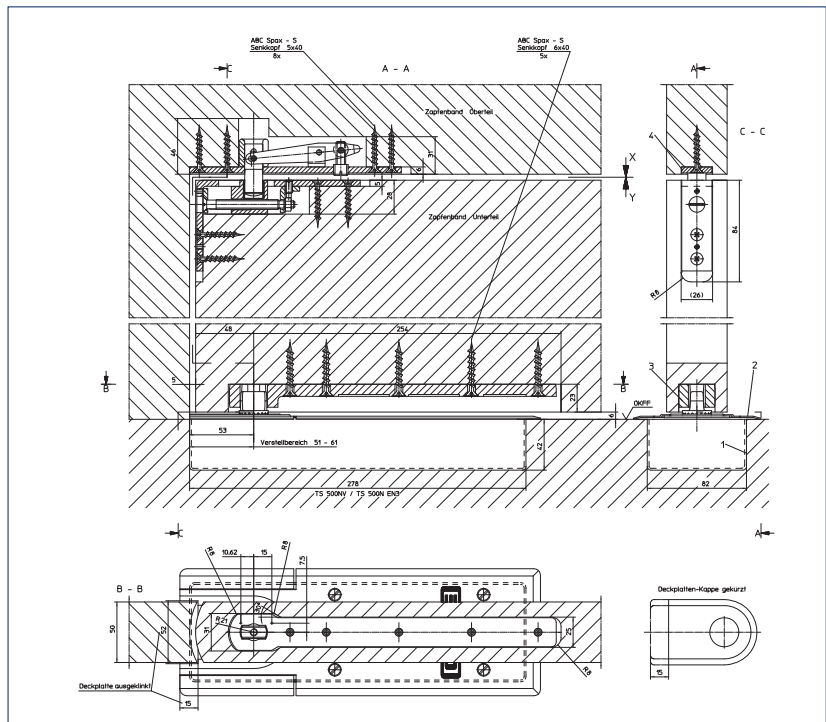


Fig. 30-1 · Standard installation of GEZE TS 500 NV to a double action door

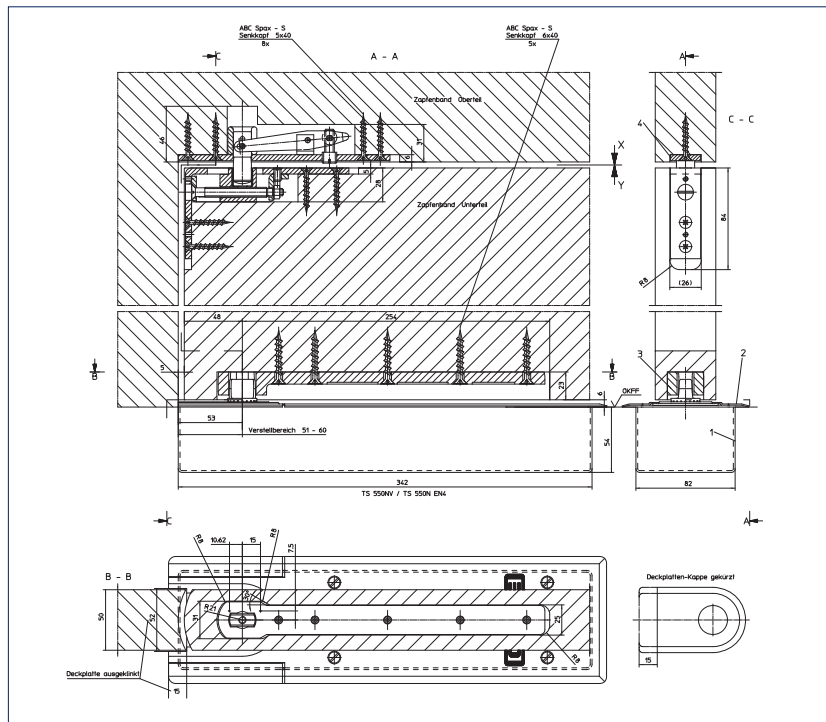


Fig. 30-2 · Standard installation of GEZE TS 550 NV to a double action door

Guide rail

Model	S	H
CM	19 mm	29 mm
C	19 mm	29 mm

If spindle extensions are used, the installation dimension for height "H" is increased by the length of the spindle extension.

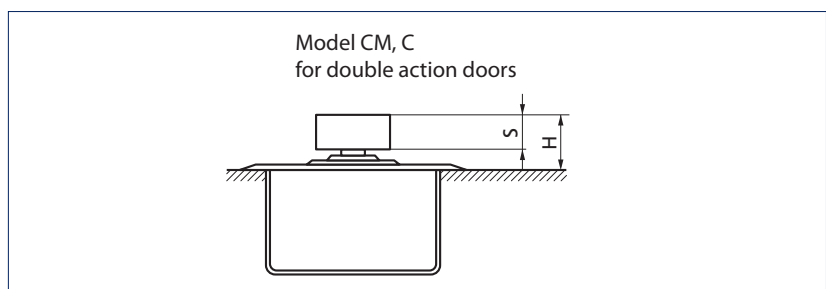


Fig. 30-3 · Guide rail for double action doors

Installation examples

Standard installation

Example showing the installation of a door rail, upper pivot and floor spring GEZE TS 550 E to a single action door

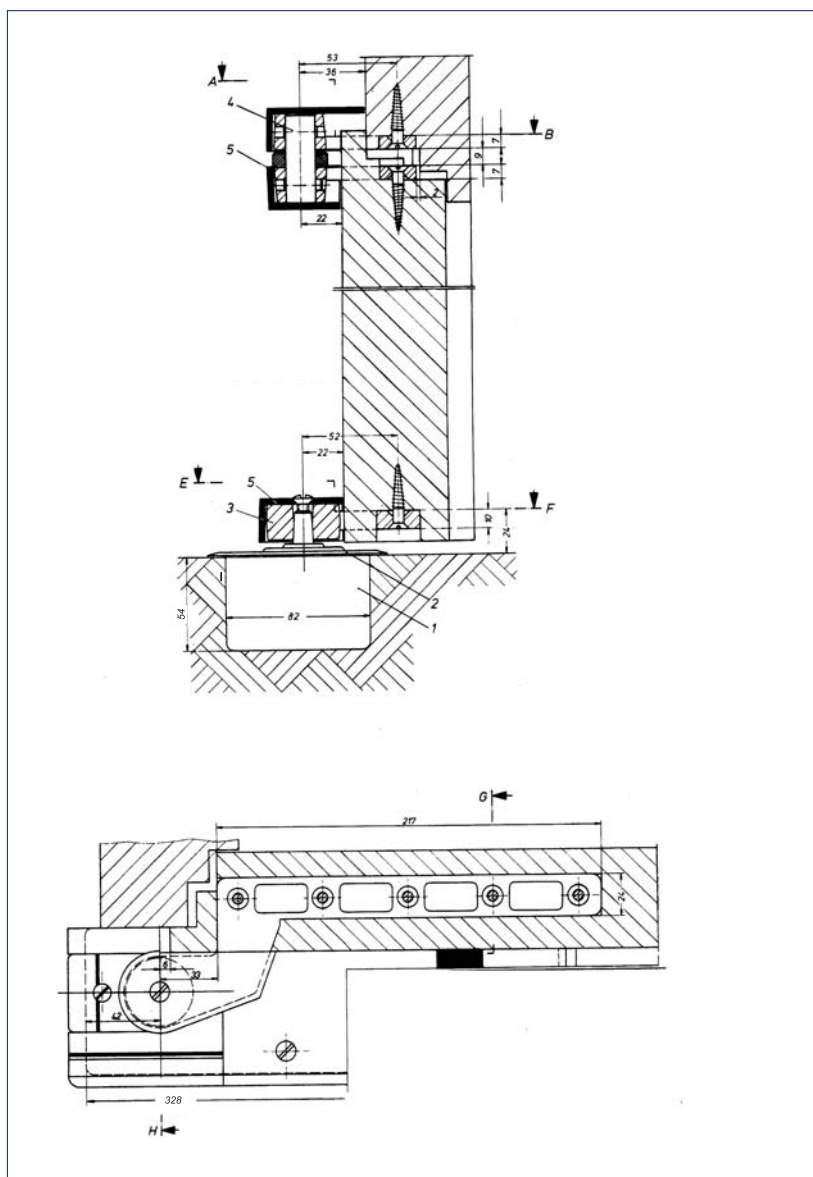


Fig. 31-1 · Standard installation of GEZE TS 550 E to a single action door

Guide rail

Model	S	H
DM	16 mm	27 mm
DB, EK, FK	10 mm	24 mm

If spindle extensions are used, the installation dimension for height "H" is increased by the length of the spindle extension.

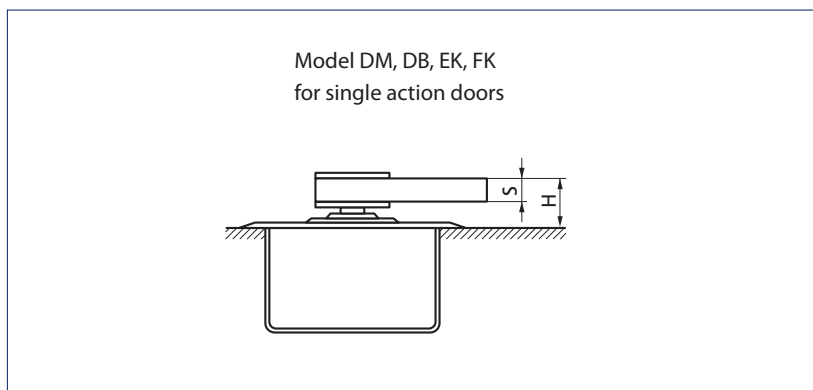


Fig. 31-2 · Guide rail for single action doors

Installation examples

Standard installation

Example showing the installation of a door rail, upper pivot and floor spring GEZE TS 550 IS (GEZE TS 550 E-IS) to a single action door

Guide rail

Model	S	H
DM	16 mm	27 mm
DB, EK, FK	10 mm	24 mm

If spindle extensions are used, the installation dimension for height "H" is increased by the length of the spindle extension.

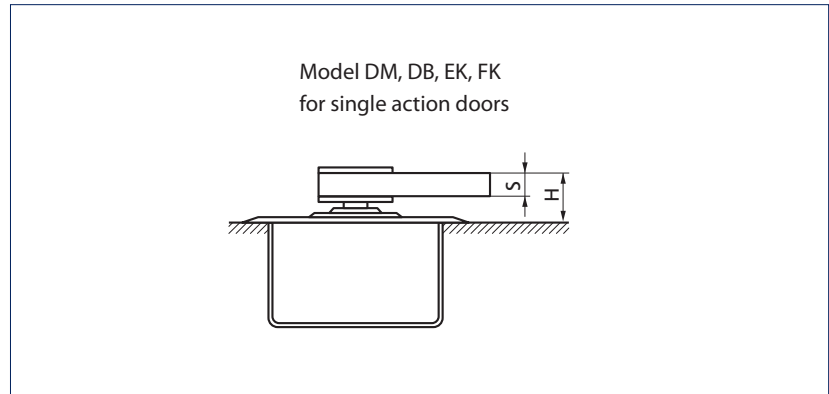


Fig. 32-1 · Guide rail for single action doors

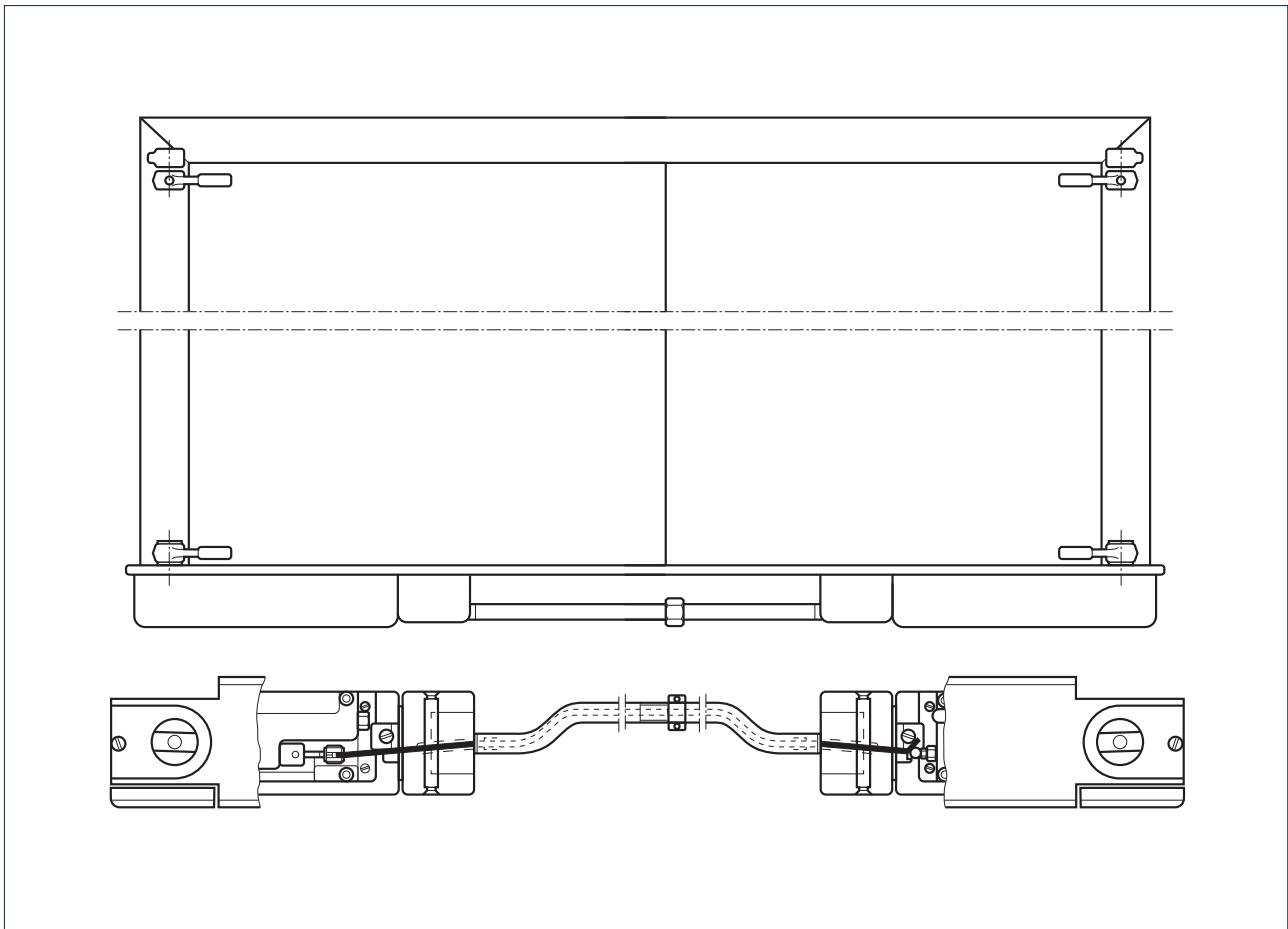


Fig. 32-2 · Standard installation of GEZE TS 550 IS / TS 550 E-IS to a single action door

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

Floor spring with lever and guide rail (surface-mounted) for doors with hinges

Rebated timber door ¹⁾

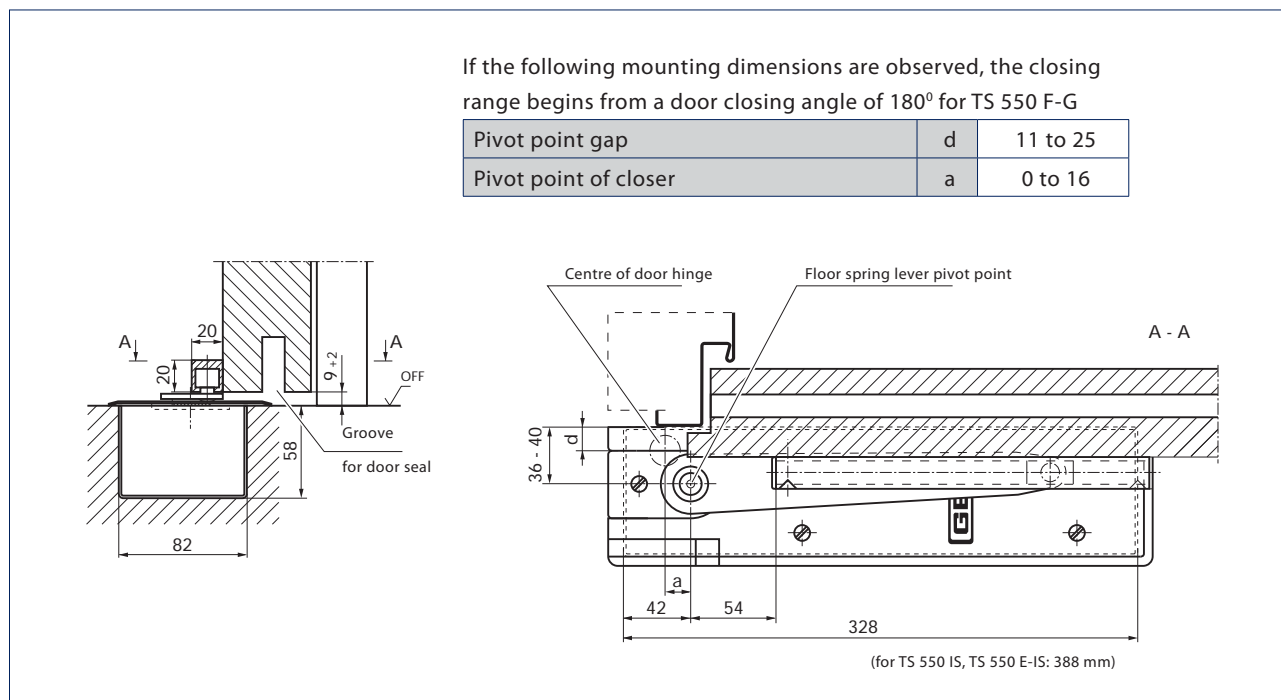


Fig. 33-1 · Installation example: floor spring with lever and guide rail (surface-mounted) to a rebated timber door

Flush timber door ¹⁾

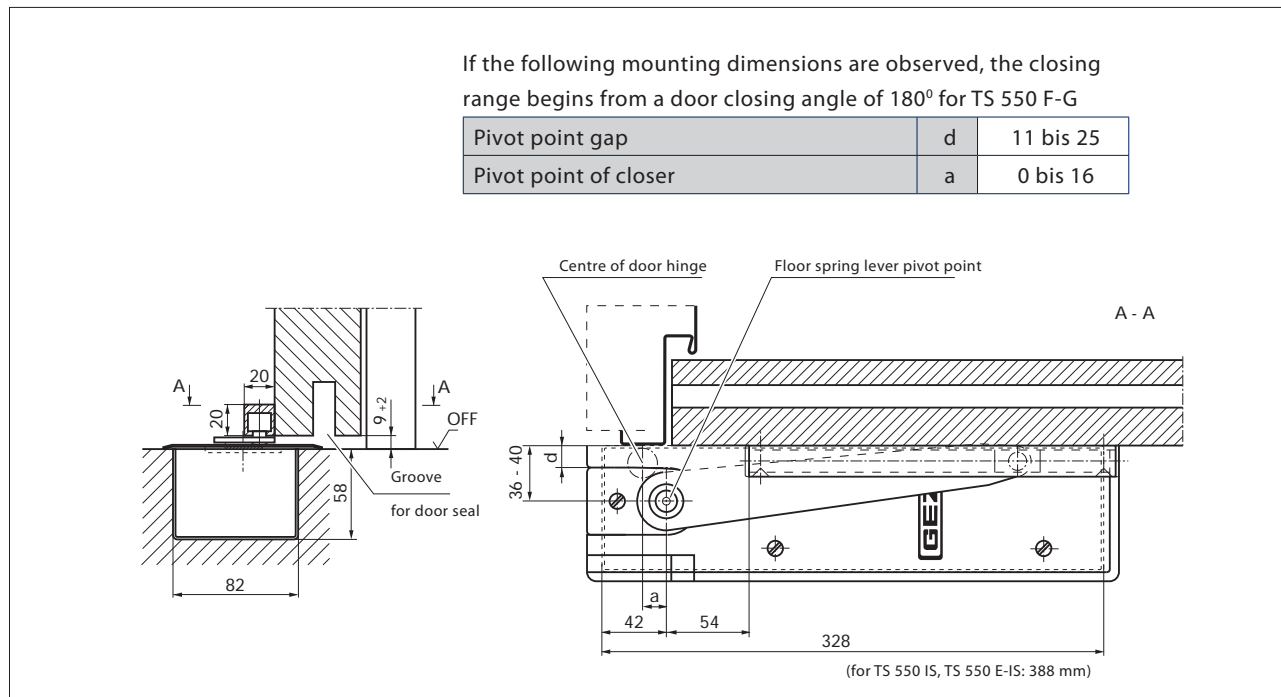


Fig. 33-2 · Installation example: floor spring with lever and guide rail (surface-mounted) to a flush timber door

¹⁾ Installation examples / vertical sections and plan views DIN left shown in illustration (Reversed for DIN right)

GEZE TS 500 N / TS 550 N / TS 550 AND VARIATIONS

Floor spring with lever and guide rail (concealed) for doors with hinges

Rebated timber door ¹⁾

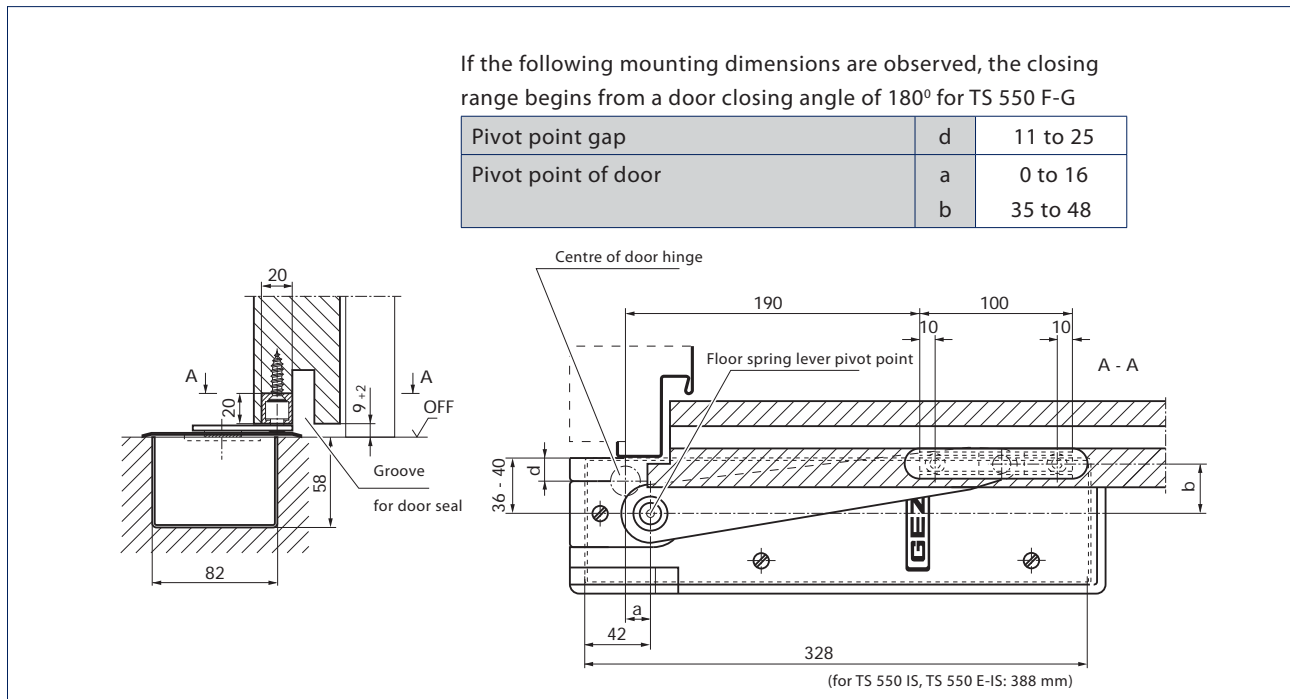


Fig. 34-1 · Installation example: floor spring with lever and guide rail (concealed) to a rebated timber door

Flush timber door ¹⁾

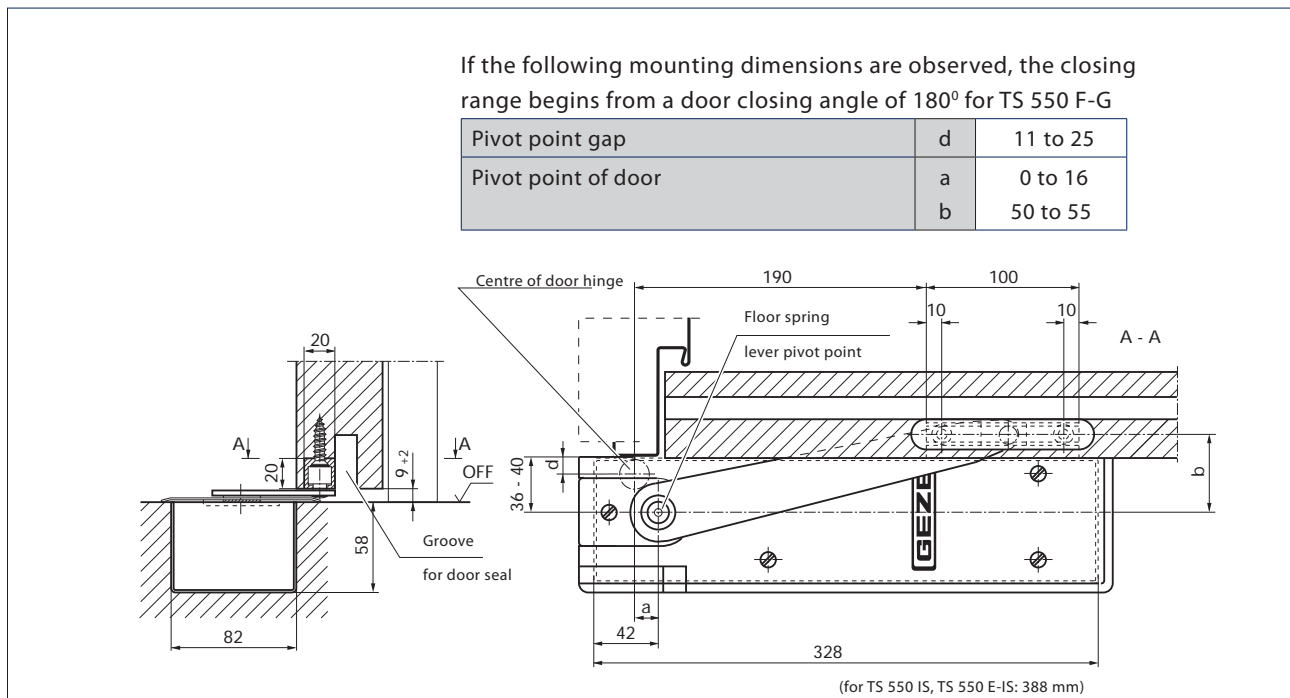


Fig. 34-2 · Installation example: floor spring with lever and guide rail (concealed) to a flush timber door

¹⁾ Installation examples / vertical sections and plan views DIN left shown in illustration (Reversed for DIN right)

Electrical installation

The floor springs with electromechanical hold-open must be connected to a power supply to allow the door to be held open.

Electrical data

- Operating voltage 24 V DC
- Voltage tolerances +10% -15%
- Max. residual ripple 20%
- Connected load 110 mA (GEZE TS 550 E / TS 550 E-G)
- Connected load 220 mA (GEZE TS 550 E-IS / TS 550 E-IS-G)

Function

- Voltage applied to closer = door held open
- No voltage applied or switched off = door not held open, door closes automatically

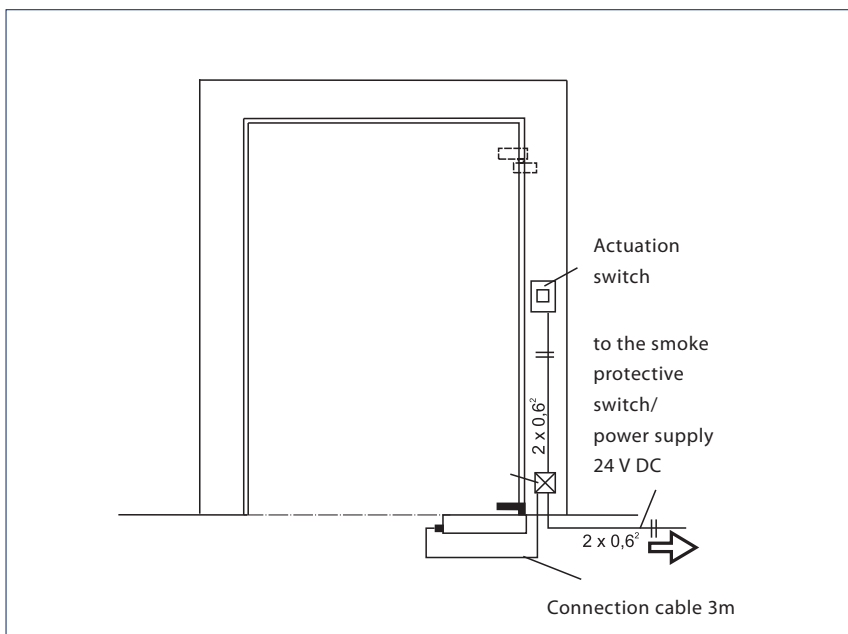


Fig. 35-1 · Electrical installation GEZE TS 550 E / TS 550 E-G

The door can be closed manually at any time regardless of whether or not voltage is being applied.

If a power failure occurs or the closer is electrically tripped, the closer must be "tensioned" again.

To allow this, the door must close with back check at least once. The closer can then be held open again. This effect only occurs in the case of a power failure or electrical tripping, and not if the door is closed manually whereby the closer can be actuated in the same way as the standard TS 550 with mechanical hold-open.

Power supply cable

The power supply cable should be laid to a junction box next to the door closer. The cable is included in the package and should be installed in a protective conduit which is available as an accessory.

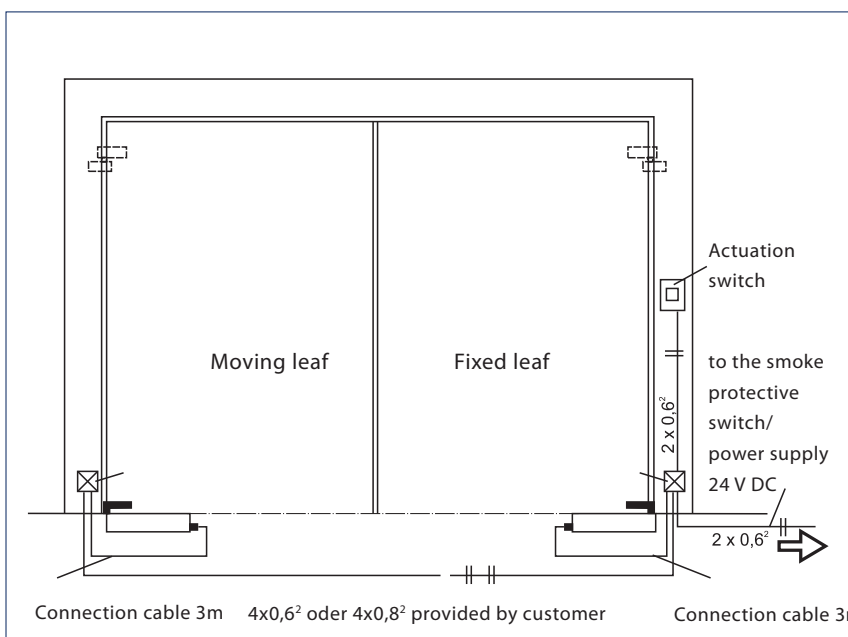


Fig. 35-2 · Electrical installation GEZE TS 550 E-IS / TS 550 E-IS-G

BEWEGUNG MIT SYSTEM

ERFOLG AUF JEDEM GEBIET

SUCCESS IN EVERY AREA



AUTOMATISCHE TÜRSYSTEME
AUTOMATIC DOOR SYSTEMS

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Innovative Systemlösungen

GEZE gehört zu den weltweit führenden Herstellern von Gebäudetechnik in den Bereichen Tür-, Fenster- und Sicherheitssysteme. Durch die hohen Unternehmensstandards tragen die Produkte zu innovativen Gebäudekonzepten bei und sorgen für Komfort und Sicherheit in der Gebäudetechnik. Dabei spielt Glas eine immer wichtigere Rolle. Glas öffnet Räume und schafft freie Sicht auf neue Eindrücke. Die GEZE Glassysteme bieten individuelle Lösungen für die vielfältigsten Anforderungen. Bei den Ganzglassystemen werden die Beschläge unsichtbar hinter Glas verborgen oder der bewusste Einsatz hochwertiger Design-Beschläge gewählt. Traditionell ist die optimale Verbindung von Funktion und Design ein unverkennbares Merkmal von GEZE Produktlösungen.

GEZE – BEWEGUNG MIT SYSTEM

Innovative system solutions

GEZE is one of the leading worldwide manufacturers of building technology products in the door, window and safety systems sectors. The high corporate standards enable the products to contribute towards innovative building designs and promote convenience and safety in building technology. Thus, glass is becoming more and more important. Glass provides a clear view on new impressions. GEZE Glass Systems offer individual solutions for versatile requirements. The all-glass systems are invisibly integrated between the glass panes or are deliberately chosen as appealing stainless steel fittings. The optimal combination of function and design has traditionally always been a unique feature of many GEZE products.

GEZE – BEWEGUNG MIT SYSTEM

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Vielfalt und Sicherheit

Mit den automatischen Türsystemen von GEZE haben Sie die passgenaue Lösung für die vielfältigen Anforderungen in Ihrem Gebäude.

Vom **Eingangsbereich** über die **Flurtüren** bis hin zu **Saal-türen** und **Notausgängen** bieten wir Ihnen das überzeugende, stimmige Türsystem.

Durch das GEZE Design können Sie alle Türen einheitlich gestalten. Wir stellen sicher, dass die Antriebssysteme wirtschaftlich sind und den Anforderungen des Anwendungsbereiches entsprechen.

GEZE Automatische Türantriebe

GEZE bietet Ihnen den richtigen Türantrieb für jeden Einsatzbereich. Gemeinsam ist den verschiedenen Baureihen der GEZE Qualitätsstandard:

- ▶ Hochwertige Materialien für die Verarbeitung
- ▶ Modernste Steuerungstechnik
- ▶ Flexibler Einsatz in den unterschiedlichsten Bausituationen
- ▶ TÜV baumustergeprüft nach DIN 18650, AutschR und BGR 232
- ▶ Effiziente Montage und Wartung

Variety and safety

The GEZE automatic door systems offer a tailored solution to meet the various requirements of your building.

From the **entrance area** and **corridor doors** to the **hall doors** and **emergency exits**, we have the convincing, appropriate door system for every need.

Thanks to the GEZE design, you can use a consistent style language for all your doors. We ensure that all drive systems are cost-effective and fulfil the requirements of the relevant area of application.

GEZE Automatic door drives

GEZE offers the right door drive for every application. The unifying feature of all our products is the GEZE quality standard:

- ▶ High-quality manufacturing materials
- ▶ State-of-the-art control technology
- ▶ Flexible application in various building concepts
- ▶ TÜV type-tested in accordance with DIN 18650, AutschR and BGR 232
- ▶ Efficient installation and maintenance



GEZE Automatiktüren

Aus der Tradition der Türtechnik entwickelt, verfügen die automatischen Türsysteme über **modernste Steuerungstechnik** und hochwertige Materialien. Ihr vielseitiger Einsatz macht sie für das Gebäudekonzept wertvoll.

- ▶ **Drehtüren**
- ▶ **Schiebetüren**
- ▶ **Halbrund- oder Rundschiebetüren**
- ▶ **Karusselltüren**

GEZE Automatische Türantriebe setzen Ihre Ideen in Produktlösungen um.

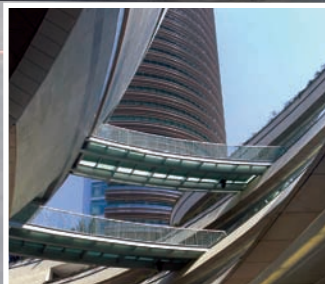
GEZE Automatic doors

Developed on the basis of the tradition of door technology, our automatic door systems feature state-of-the-art control systems and high-quality materials. The versatility of our systems make them a valuable asset for your building design concept.

- ▶ **Swing doors**
- ▶ **Sliding doors**
- ▶ **Semi-circular and circular sliding doors**
- ▶ **Revolving doors**

GEZE automatic door drives turn your ideas into product solutions.





GEZE Slimdrive



Reduktion bedeutet Perfektion

7 cm Bauhöhe integrieren sich scheinbar unsichtbar in Ihr Raumkonzept.

Einzigartig und vielseitig einsetzbar für

- ▶ Drehtüren und
- ▶ Schiebetüren

Reduction means perfection

Thanks to a construction height of only 7 cm, this system blends into your room concept almost invisibly.

Unique and versatile for use in

- ▶ Swing doors and
- ▶ Sliding doors





GEZE Automatische Schiebetüren

Auf der Basis moderner DCU-Steuerungstechnologie bieten wir Ihnen wirtschaftliche Lösungen für jeden Anspruch.

Slimdrive – Perfekte Integration durch nur 7 cm Bauhöhe.

ECdrive – Kompromisslos zuverlässig in Funktionalität und Wirtschaftlichkeit.

Powerdrive – Kraftvolle Sicherheit für schwere Türen.

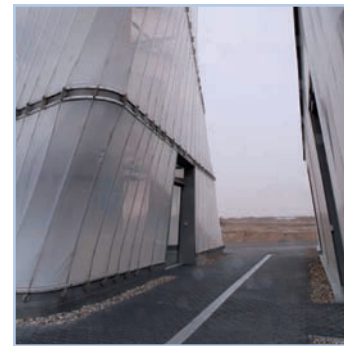
GEZE Automatic sliding doors

Our modern DCU control technology offers you cost-effective solutions for every requirement.

Slimdrive – perfect integration thanks to 7 cm construction height.

ECdrive – uncompromisingly reliable in terms of functionality and cost-effectiveness.

Powerdrive – powerful safety for heavy doors.





ECdrive

Kompromisslos zuverlässig

Automatische Türantriebe wirtschaftlich und zuverlässig anzubieten, dafür steht die GEZE ECdrive Baureihe. Der Antrieb ist für stark frequentierte Türbereiche vortrefflich geeignet. Dank des geringen Abriebs der hochwertigen Rollen und des selbstreinigenden Rollenwagens bewegt sich die automatische Schiebetür besonders leise. Der Einsatz modernster Steuerungstechnologie gewährleistet hohen Begehkomfort und Sicherheit. Der ECdrive ist nach DIN 18650 baumustergeprüft und zertifiziert.

Der ECdrive ist universell einsetzbar

- ▶ In den FR-Varianten zugelassen für den Einsatz in Flucht- und Rettungswegen
- ▶ Flügelgewicht bis 120 kg
- ▶ Durchgangsbreite bis 3 m

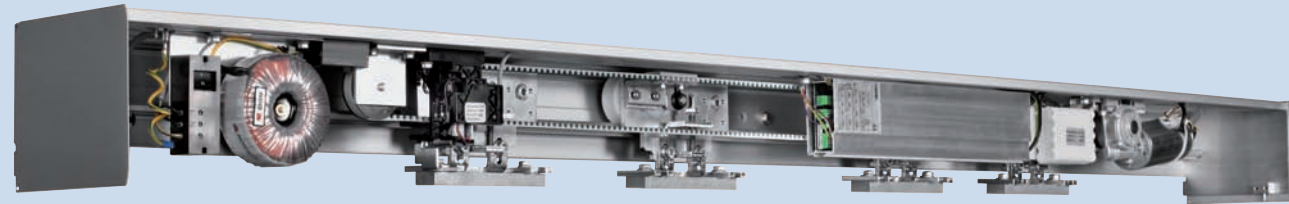
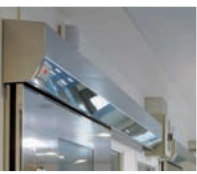
ECdrive

Uncompromisingly reliably

The GEZE ECdrive series offers reliable and cost-effective automatic door drives. This drive is perfectly suited for heavily frequented door areas. Thanks to the low wear of the high-quality rollers and the self-cleaning roller carriage, the automatic sliding door moves particularly quietly. The use of state-of-the-art control technology ensures high accessibility comfort and safety. The ECdrive is type-tested and certified in accordance with DIN 18650.

The ECdrive offers high versatility

- ▶ In the FR-variations, this model is approved for use in escape routes
- ▶ Door leaf weight up to 120 kg
- ▶ Passage width up to 3 m



Powerdrive

Kraftvolle Sicherheit

Das Kraftpaket der automatischen Schiebetüren lässt keine Wünsche offen.

Sicherheit und Komfort auch bei schweren Türen sind das Markenzeichen der Powerdrive Baureihe. Die selbstreinigenden Rollenwagen stellen ein wartungsarmes und ruhiges Laufverhalten sicher.

Der Powerdrive ist nach DIN 18650 baumustergeprüft und zertifiziert.

Der Powerdrive bewegt selbst schwerste Türen

- ▶ Flügelgewicht: bis 200 kg bei den FR-Varianten bis zu 160 kg
- ▶ Durchgangsbreite bis 3 m
- ▶ Massiver Laufwagen mit dreidimensionaler Flügelverstellung
- ▶ Zugelassen für den Einsatz in Flucht- und Rettungswegen

Powerdrive

Powerful safety

The power horse amongst automatic sliding doors leaves nothing to be desired.

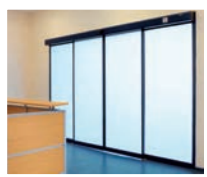
Safety and comfort even with heavy doors are the trademark of the Powerdrive series. The self-cleaning roller carriages ensure a low-maintenance and silent application.

The Powerdrive is type-tested and certified in accordance with DIN 18650.

The Powerdrive moves even the heaviest doors

- ▶ Door leaf weight: up to 200 kg (for FR-models: up to 160 kg)
- ▶ Passage width: up to 3 m
- ▶ Massive carriage with three-dimensional door leaf adjustment
- ▶ Approved for use in escape routes





Slimdrive

Die extrem niedrige Bauhöhe ermöglicht Ihnen, die Antriebe beinahe unsichtbar in die Fassade zu integrieren. Der hochmoderne Antrieb verschwindet optisch und macht Platz für Transparenz und Ästhetik. Mit dem Slimdrive lassen sich große Öffnungsweiten und Durchgangshöhen realisieren.

Ein verschleißarmer Hochleistungsmotor treibt ein fast geräuschloses Laufwerk an und ist nach DIN 18650 baumustergeprüft und zertifiziert.

Durch die Kombination mit dem integrierten Ganzglassystem GEZE IGG kann die Transparenz einer Ganzglasfassade konsequent – auch im Türbereich – realisiert werden.

Vielseitige Funktionen auf kleinstem Raum

- ▶ geeignet für den Einsatz in Flucht- und Rettungswegen
- ▶ Durchgangsbreite bis max. 3,60 m (4-flügelige Teleskoptür)
- ▶ Türflügelhöhe bis zu 3 m
- ▶ Flügelgewicht bis zu 120 kg

Dabei kann aus einer Vielzahl von Varianten ausgewählt werden

- ▶ Teleskoptür für die maximale Durchgangsbreite
- ▶ Falttür bei minimalen Raumangebot
- ▶ Rund- oder Halbrundschiebetür für Eleganz im Eingangsbereich
- ▶ Winkelschiebetür als extravagante Variante

Slimdrive

The extremely low construction height allows you to integrate these drives almost invisibly into your facades. The state-of-the-art drive vanishes completely and makes way for transparency and aesthetics. The Slimdrive can be used for wide and high openings.

A low-wear high-performance motor drives a virtually silent running gear and is type-tested and certified according to DIN 18650.

Thanks to the combination with the GEZE integrated all-glass system (IGG), the transparency of an all-glass facade can be realised consistently – also in the entrance area.

Versatility on a small space

- ▶ Suitable for use in escape routes
- ▶ Passage width up to 3.60 m (quadruple-leaf telescopic door)
- ▶ Door leaf height up to 3 m
- ▶ Door leaf weight up to 120 kg

There are various different variations on offer

- ▶ Telescopic door for maximum passage width
- ▶ Folding door if space is limited
- ▶ Semi-circular or circular sliding doors for an elegant entrance area
- ▶ Corner sliding doors as an extravagant option





TSA

Komfort für Drehtüren

Die TSA Antriebsfamilie überzeugt im Bereich der automatischen Drehtüren durch sichere Funktion und anspruchsvolles Design. Kleine und leichte sowie große und schwere Drehflügel öffnen und schließen sicher und zuverlässig. Hohen Publikumsverkehr meistern die Systeme mit Leichtigkeit. Deshalb eignen sich die GEZE Drehtürantriebe überall dort, wo Komfort und Unterstützung beim Öffnen gefordert sind. Dies ist z.B. in Krankenhäusern, Einkaufszentren, an Flughäfen und Bahnhöfen der Fall.

TSA

Comfort for swing doors

The TSA series is an automatic swing door with secure functionality and an attractive design. Small and light, as well as large and heavy swing doors open and close safely and securely. Heavily frequented entrance areas are no problem for these systems. GEZE swing door drives are ideal for any application that demands comfortable accessibility such as hospitals, shopping centres, airports and train stations.



TSA

Vielfältig und flexibel

Die TSA Baureihe bietet flexiblen Einsatz in den unterschiedlichsten Varianten.

Der robuste elektrohydraulische Drehtürantrieb ist einsetzbar:

- ▶ In Flucht- und Rettungswegen
- ▶ 1-flügelig oder 2-flügelig mit integrierter Schließfolgeregelung
- ▶ Mit kraftvollem Gestänge oder mit eleganter Gleitschiene
- ▶ Er ist nach DIN 18650 baumustergeprüft und zertifiziert

TSA

Multifaceted and flexible

The TSA series offers flexible application in different variations.

The robust electro-hydraulic swing door drive can be used:

- ▶ For escape routes
- ▶ Single-leaf or double-leaf doors with integrated closing sequence control
- ▶ With a powerful link arm or with an elegant guide rail
- ▶ It is type-tested and certified in accordance with DIN 18650





EMD

Einzigartig in seiner Klasse

Der Drehtürantrieb EMD integriert sich mit nur 7 cm Bauhöhe und klarem Design perfekt in Ihr Raumkonzept und bietet dabei Sicherheit und Begehkomfort.

Der extrem geräuscharme elektromechanische Antrieb eignet sich ideal für Krankenhäuser, Bürogebäude und Seminarbereiche.

Die Einsatzmöglichkeiten sind vielfältig:

- ▶ In Flucht- und Rettungswegen
- ▶ 1-flügelig oder 2-flügelig mit integrierter Schließfolgeregelung
- ▶ Mit kraftvollem Gestänge oder mit eleganter Gleitschiene
- ▶ Er ist nach DIN 18650 baumustergeprüft und zertifiziert

EMD

Unique in its class

Thanks to a construction height of only 7 cm and its clear design, the EMD swing door drive fits perfectly into your room concept whilst ensuring safety and comfortable accessibility.

The extremely quiet electro-magnetic drive is ideally suited for hospitals, office buildings and seminar areas.

The possible applications are manifold:

- ▶ Escape routes
- ▶ Single-leaf or double-leaf with integrated closing sequence control
- ▶ With a powerful link arm or with an elegant guide rail
- ▶ It is type-tested and certified in accordance with DIN 18650.



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