Product information for door closers (continued)

4. Product maintenance

Safety elements of door closers must be checked regularly, according to requirements, for wear and to ensure that they are fitted correctly and securely. Fixing screws must be tightened and any faulty components must be changed. Furthermore, the following maintenance work must be performed at least once per year (depending on the type of hinged leaf doors and their application):

- All moving parts on the link arm must be greased
- The closer settings (e.g. closing speed) must be checked
- Smooth operation of the door must be checked
- In the case of door closers with special functions (hold-open devices/hold-open systems), the legal checks, monitoring and maintenance procedures must be observed

Only cleaning agents not containing any corrosive and damaging components should be used.

5. Obligations regarding information and instruction

The following media are available to the planner, specialist trader, manufacturer, building owner and user:

- Catalogues, brochures
- Tender documents
- Mounting instructions, installation drawings, operating instructions, standards
- Consultation with field service personnel

The following points are essential for the correct use, reliable functioning, maintenance, and care of door closers for hinged-leaf doors.

- Architects and planners must request and observe the necessary product information
- Specialist dealers and manufacturers must observe the product information and information in the price lists, and especially request all necessary instructions and pass them on to the customer, installer or end user.
- Manufacturers must observe product information and pass it on to the customers and users.

GEZE DOOR TECHNOLOGY

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Certificate No. RS 28062

GEZE TS 1200

Surface-mounted door closer

INNOVATIVE SYSTEMS SOLUTIONS

INNOVATIVE SYSTEMS SOLUTIONS

GEZE TS 1200
Surface-mounted rack and pinion door closer

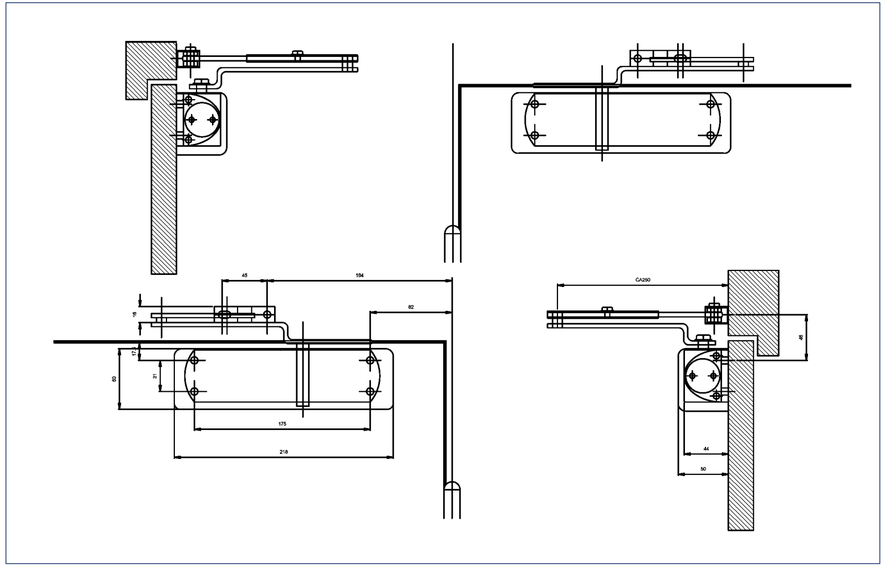
Product features
- Variable closing force in two sizes achieved by simply turning the power arm's shoe
- 'Weak' closing force for leaf widths of up to 850 mm (size 2 according to EN1154)
- 'Strong' closing force for leaf widths of up to 950 mm (size 3 according to EN1154)
- Increased closing force due to offset installation for leaf widths up to 1100 mm (size 4 according to EN1154)
- Fire tested to EN 1634-1 (CERTIFIRE CF 144)
- Adjustable closing speed
- Adjustable hydraulic latching action
- Optional hold-open setting between 70° and 150°
- Casing and arm available in silver, gold and RAL colours on request
- Complements current range of GEZE door closers

Application
- For single-action doors
- Suitable for right and left closing doors, adjustment not necessary
- For all common types of installation
- For leaf widths up to 950 mm (1100 mm)

Supplied as standard package
GEZE TS 1200 complete with link arm, screw accessories and installation template (mounting plate not included).

Special design
GEZE TS 1200 complete with hold-open arm for an adjustable opening angle between 70° and 150°.

A mounting plate is available for doors where direct installation is not possible.



GEZE TS 1200 Ordering information

Designation	Finish	ID No.
GEZE TS 1200 Universal	Silver	114315
with standard arm assembly	Gold	114316
PA bracket and cover	RAL colour	114317
	Simulated satin stainless steel	114318
	Simulated polished stainless steel	114319
TS 1200 hold-open arm assembly	Silver	101815
	RAL	101818
TS 1200 parallel arm bracket	Silver	53318
	RAL	27460
	Simulated satin stainless steel	311444
	Simulated polished stainless steel	311442

Specifications
Surface-mounted rack and pinion door closer GEZE TS 1200, with adjustable closing speed and adjustable latching action, alternatively with mounting plate

Colours
() Silver
() Gold
() RAL
() Simulated satin stainless steel
() Simulated polished stainless steel

Product information for door closers

The following information concerning door closers for hinged leaf doors must be observed. Failure to observe the information exonerates the manufacturer from liability or obligation.

1. Product information and intended use
Door closers in terms of this definition shall be used to close hinged leaf doors again after they have been manually opened. The closing operation is performed with adjustable hydraulic damping. The necessary closing force relative to the leaf widths is defined in EN1154. The information from the manufacturers must be observed in the case of areas of application other than the conduit intended. Door closers shall be used on installed hinged-leaf doors made of metal, wood, or UPVC and any combinations of these materials. The mounting method and position are precisely prescribed for smoke and fire doors or other standardised self-closing doors. Mounting methods and positions other than conduit intended do not conform to the intended use.

Vertical, smoothly operating doors with correctly mounted door closers are prerequisites for the intended use of door closers. Mounting and adjustment must be performed by qualified personnel according to the specifications from the manufacturer. Door closers with greater closing forces must be used in the case of particularly unfavourable installation conditions (effects of wind).

Door closers with backcheck must be used, especially in the case of hinged-leaf doors which are opened against wind. The backcheck contributes to protecting personnel, door elements, surrounding walls and objects without restricting the door opening angle. If, owing to the structural characteristics of the door, it is necessary to mount the door leaf to the frame at the door's pivot axis, a stop which restricts the maximum door opening angle of the door must be used. Hinged leaf doors can be held open at a specific position using additional special fittings or integrated construction elements. With smoke and fire doors, the equipment must be approved by an inspector from the responsible institute for structural engineering (documents supporting suitability must be observed).

Door closers are not suitable for the unprotected external installation into single-action doors and for the use in environments with aggressive corrosion-promoting air contents as well as extremely low or high temperatures.

Fitting boxes for floorsprings must be protected against dirt penetration after their installation. If floor mounted door closers are exposed to water penetration (e.g. damp locations or exterior doors without rain protection), the cavity between cement box and door closer housing must be filled with a suitable sealing compound.

Before the door closers (including any additional equipment) are installed, any mandatory legal directives must be observed.

2. Improper use
Improper use (i.e. utilisation of the product in a way differing from the intended use) for hinge leaf door may result in damage or injury in particular:
- If obstacles in the closing radius, dragging doors, jamming seals, wood wedges etc. prevent the closing operation
- If door closers have been incorrectly or unprofessionally fitted and/or adjusted
- If parts of the body are placed between the frame and leaf (risk of injury)
- If correct functioning is expected beyond the specified characteristics, e.g. in storm conditions with extraordinary negative pressure or positive pressure acting on the door
- If door closers are used for purposes other than closing doors
- If the selected door closer size does not correspond to the recommendations of the manufacturer

3. Product characteristics
If the product characteristics are not described in the catalogues, brochures, instructions etc. any special requirements must be discussed with and then approved by the manufacturer.

Reference should be made to the standard DIN 18 263, parts 1, 2, 3 and 5 'Door closers with hydraulic damping'. Virtually all basic requirements and additional requirements are defined in this standard. The suitability of use for door closers depends on factors such as frequency of actuation, actuation principle, environmental influences, and care and maintenance. Door closers must be replaced as soon as correct and reliable closing operation can no longer be guaranteed.