GEZE DOOR TECHNOLOGY



GEZE TS 3000 B

The slim cam closer

INNOVATIVE SYSTEMS SOLUTIONS

GEZE TS 3000 B
The slim cam closer



Surface-mounted Boxer cam-action door closer

Product features

- Closer sizes 2 – 4 (EN) and EN 1154 A
- Adjustable closing force
- Adjustable closing speed
- Adjustable hydraulic latching action
- Adjustable hydraulic back check
- Fire tested to EN 1634-1 (CERTIFIRE CF 145)

Applications

- Suitable for single action right and left closing doors
- For leaf weight up to 130 kg
- For leaf width up to 1100 mm

Supplied as standard package

GEZE TS 3000 B surface-mounted door closer complete with guide rail, screw pack and installation instructions. Also included: guide rail and cover.

Special design

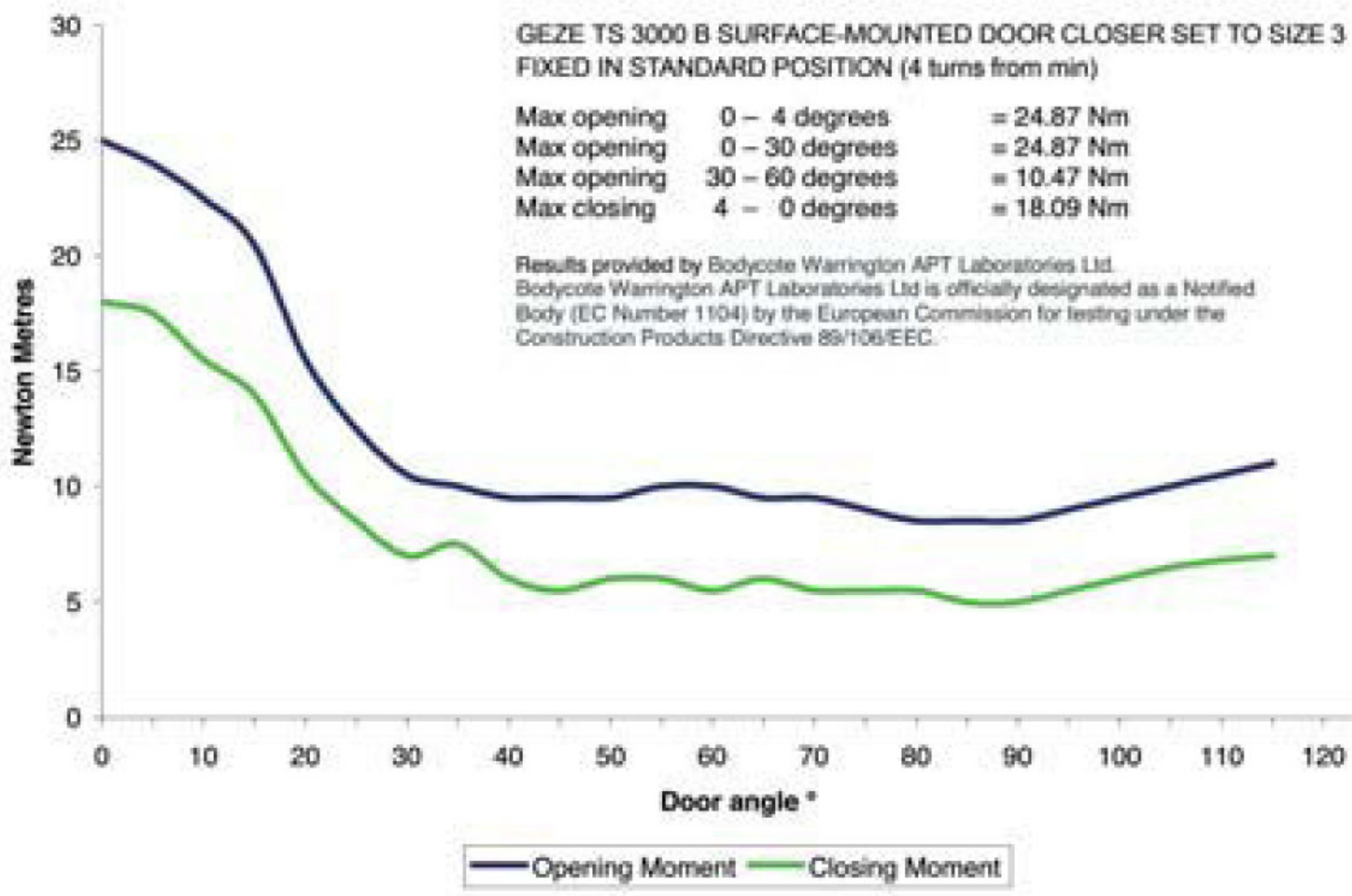
GEZE TS 3000 B complete with hold-open angle that is infinitely variable from 80° to 130°. This is applicable to electro-mechanical hold-open and manual hold-open devices.

Manual hold-open is not suitable for fire door applications.

GEZE TS 3000 BE includes electro-mechanical hold-open arm, 24 V DC (release devices by others).

The overall height of the GEZE guide rail with approved magnet hold-open device is only 30 mm.

Closing the opening force debate



GEZE TS 3000 B Ordering information

Designation	Finish	ID No.
GEZE TS 3000 B with guide rail and cover	Silver	120649
	RAL colour	120692
	Simulated satin stainless steel	120650
	Simulated polished stainless steel	120691



Specifications

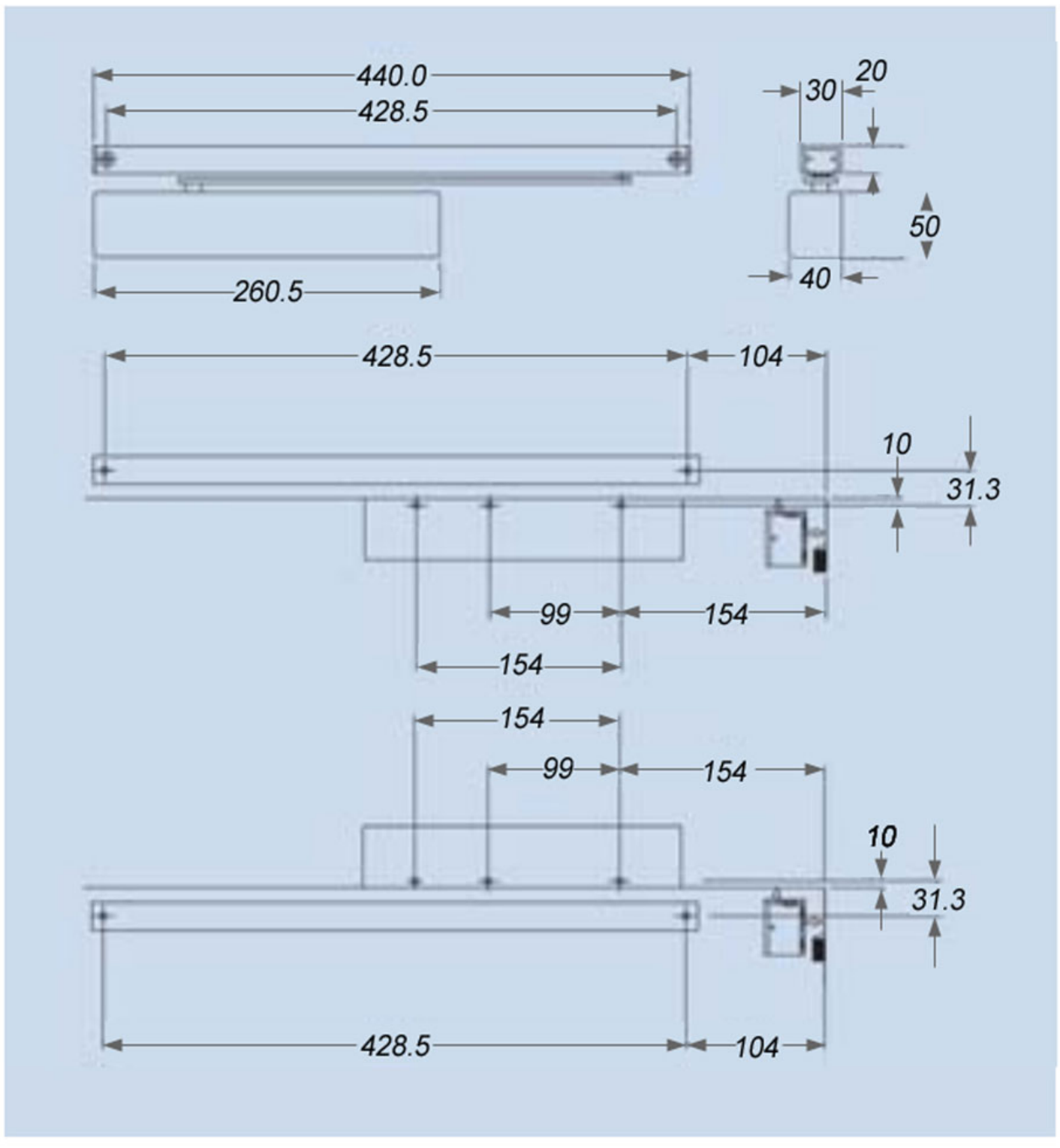
Surface-mounted cam-action GEZE TS 3000 B for single action doors according to EN 1154 A, with guide rail, adjustable (when installed) closing force, closing speed, latching speed and back check.

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

Finishes

() Silver
() 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 EN 1154. 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.

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



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