

Concealed cam-action door closer system

DORMA ITS 96



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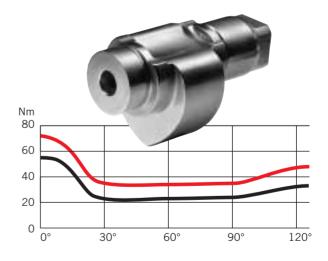


Flawless beauty

To ensure that prestigious doors retain all their inherent attraction, they can now be fitted with a concealed camaction door closer system the DORMA ITS 96. This is the first system of its kind, one which can be integrated in the door leaf and frame with the utmost elegance. Where the emphasis is on appearance, the disappearing DORMA System ITS 96 is the ideal solution for your doors: Advanced technology accommodated within the tightest of spaces, totally out of sight and featuring the proven heart-shaped cam which characterises all

DORMA slide channel door closers.

The cam is literally at the heart of DORMA slide channel door closers - it guarantees secure closing while at the same time offering a rapidly decreasing opening force so that even children, the elderly and disabled people encounter only minimum resistance as they open the door. However, it is not only these categories of user who benefit. Thanks to the substantial reduction in effort required, this technology offers the ultimate in user convenience to all.



Force profile of an ITS 96 cam action door closer (Size EN 3 – 6, max. closing strength setting)

Opening forceClosing force







This CD-ROM contains the necessary information concerning DORMA ITS 96 System. Orders for the CD-ROM can be placed online under www.dorma.com

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Uncompromising technical sophistication

The DORMA ITS 96 has ushered in a new era in door closer technology. The closer body and slide channel are so compact that they can be installed out of sight in doors and their frames. These devices offer the same high quality expected of DORMA door closers, as characterised by their ease of operation for the user, and wide range of functions. Thanks to the exceptionally

slender dimensions of the unit, the DORMA ITS 96 can be installed in virtually all doors with thicknesses of 40 mm or more, and offers all the advantages of quality assured manufacture with third-party auditing.



Quality-assured manufacture to ISO 9001, EN 29001, BS 5750. Certified and verified by BSI Quality Assurance Reg.-No. Q 6423, FM 10756

Plus points...

... for the trade

- Low inventory costs and reduced stocking requirements thanks to streamlined modular system and separate packaging of closer body and slide channel assemblies.
- Tailor-made applications with special accessories.

... for the installer

- Non-handed system.
- Can be incorporated within the door pre-fabrication process, allowing complete installation in the factory.
- Easy adjustment of the closing strength, closing speed and latch action after hanging of the doors.

... for the specifier/architect

- Unblemished appearance of prestige doors thanks to concealed installation.
- Ideal for doors integral to the interior design.

... for the user

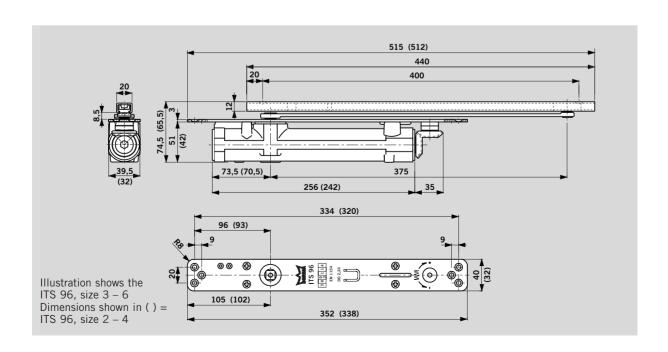
- Optimum protection against vandalism thanks to the concealed installation.
- Enhanced user convenience and fully controlled, reliable closing with adjustable latch action.
- Cushioned limit stay with progressive damping for protection of wall and door.

| Data and features | | ITS | 96 |
|---|--|-----------------|-------------------|
| Variable closing force | Spring strength | EN 2-4 | EN 3–6 |
| Standard doors | up to 1100 mm up to 1400 mm | • | • |
| External doors, outward open | ning | _ | _ |
| Fire and smoke check doors | up to 1100 mm up to 1400 mm | - | • |
| Door leaf thickness | equal to/greater than 40 mm equal to/greater than 50 mm | • | - |
| Max. door leaf weight in kg | | 100 | 180 |
| Non-handed design (closer) | | • | • |
| Arm | Slide channel | • | • |
| Closing force variable by mea of adjustable screw | • | • | |
| Closing speed adjustable by means of valve | | | • |
| Latching speed adjustable by means of valve | | • | • |
| Cushioned limit stay, mechanical | | | • |
| Delayed action | Delayed action | | |
| Hold-open | | 0 | 0 |
| Max. door opening angle (depends on door design) | | approx | k. 120° |
| Weight in kg | | 1.3 | 2.5 |
| Dimensions in mm | Length Width Height | 277 32 42 | 291 39.5 51 |
| Door closer tested to EN 1154 A | | | |
| Hold-open devices tested to | EN 1155 | | • |
| Door co-ordinators tested to | | • | |
| - W N - O I' | | | |

Yes - No ○ Option

Further information

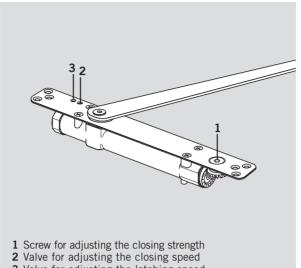
Additional information about many of our products is available from a range of electronic media (Internet, CD-ROM, diskettes). The abbreviated codes next to the computer symbol \square indicate the search terms.





Adjustment of settings

The functions of the DORMA ITS 96 can be individually adapted to the local conditions of each application. The closing strength can be easily varied in accordance with the door width via the adjustment screw accessible from the top. The closing speed and the latch action can likewise be modified at any time using adjustment screws at the top, even after the door has been hung.



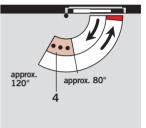
- approx 80°
- 2 Fully controlled closing with adjustable speed
- 3 Adjustable latch action
- 4 Cushioned limit stay

- 3 Valve for adjusting the latching speed

Cushioned limit stay

The integrated mechanically cushioned limit stay of the DORMA ITS 96 is progressively damped to protect the wall and doors from the damage arising from the door being opened too wide (under conditions of normal usage). It can be adjusted to an opening angle between approx. 80° and max. 120°. The cushioned limit stay feature is not an overload protection device and in many cases cannot replace a doorstop.





4 Cushioned limit stay

Approval certification

The DORMA ITS 96 is approved by the State Material Testing Authority, Dortmund, in accordance with EN 1154 A. Additionally, the model size EN 2 - 4 and EN 3 - 6 has CERTIFIRE approval for use on timber FD30 and FD60 doors (code ITT), when installed with the approved intumescent gasket set for FD30 or FD60 supplied by DORMA UK. The length, width and hight of mortice for the body and

slide channel must be increased by 2 mm to accommodate the gasket.

Specification text

Cam-action door closer integrated in the door leaf or frame, tested to EN 1154 A, with rapidly decreasing opening torque/force. Closing strength, closing speed and latch action adjustable. Nonhanded, with slide channel... (see pages 8 - 15)

Size

□ EN 2 - 4

□ EN 3 – 6

Make DORMA ITS 96

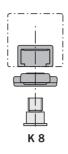
■ ITS96/2-4 ITS96/3-6



Applications and installation

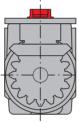
The DORMA ITS 96 concealed cam action door closer system is suitable for various door designs and different rebate clearance dimensions. This is achieved through the combination of different spindle lengths

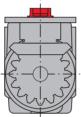
available with the closer and the universal K8/K12 slide channel. Installation suggestions for the DORMA ITS 96 door closer system relating to the most common door types are available from DORMA on request. G 96 N20 G 96 EMF G 96 GSR/GSR-EMF

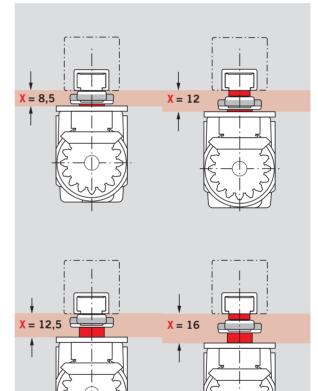




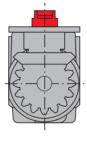
ITS 96 2-4 ITS 96 3-6

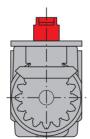




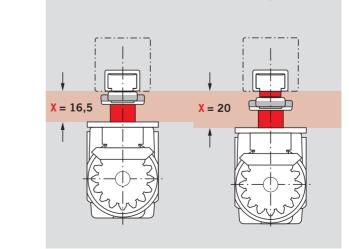


ITS 96 2-4 ITS 96 3-6 with 4 mm extended spindle



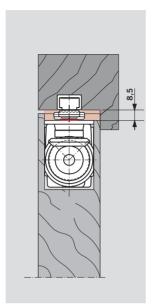


ITS 96 2-4 ITS 96 3-6 with 8 mm extended spindle





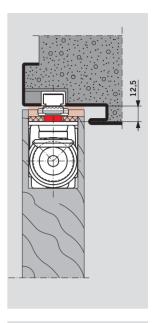
Timber door, flush-closing, clearance 8.5 mm, with ITS 96 EN 3–6 and slide channel G 96 N20 K8.



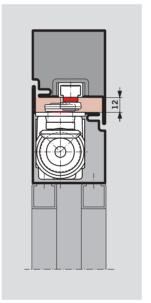
Timber door with steel frame, flush closing, clearance 12.5 mm, with ITS 96 EN 3–6, 4 mm extended spindle and slide channel G 96 N20 K8.



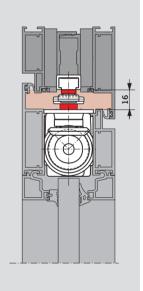
Please check dimensions carefully



Tubular steel frame door, flush-closing, clearance 12 mm, with ITS 96 EN 3-6 and slide channel G 96 N20 K12.



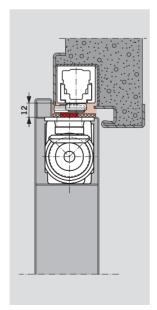
Aluminium tubular frame door, flush-closing, clearance 16 mm, with ITS 96 EN 3–6, 4 mm extended spindle and slide channel G 96 N20 K12.



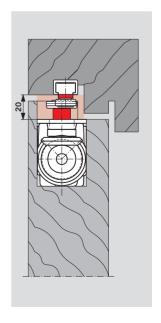
Hollow steel door with steel frame, over-rebated, clearance 12 mm, with ITS 96 EN 3-6, 4 mm extended spindle and slide channel G 96 EMF K8.



Please check dimensions carefully

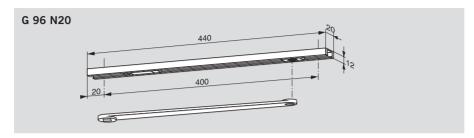


Timber door with solid frame, double rebated, clearance 20 mm, with ITS 96 EN 3–6, 8 mm extended spindle and slide channel G 96 N20 K12.



TTS 96 GB 7

Standard model

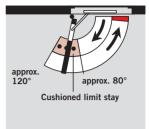


The **DORMA G 96 N20** slide channel pack includes the arm, slide channel, slide block, cushioned limit stay and fixing screws, and can be combined with both door closer sizes in the DORMA ITS 96 range.

The DORMA G 96 N20 slide channel is adjustable to K8/K12.

F Approval certification

The G 96 N20 slide channel is tested to EN 1154 A in conjunction with the DORMA ITS 96. Additionally, it has CERTIFIRE approval for use on timber FD30 and FD60 doors (code ITT), when installed with the approved intumescent gasket set for FD30 or FD60 supplied by DORMA UK. The length, width and hight of mortice for the slide channel must be increased by 2 mm to accommodate the gasket.



Specification text

DORMA ITS 96 ... door closer (see pages 4 and 5) with slide channel G 96 N20

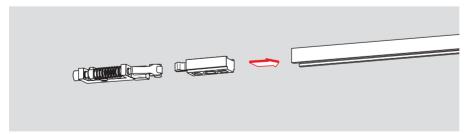
Version

☐ LH (ISO 6) K8/K12 ☐ RH (ISO 5) K8/K12

Make DORMA ITS 96 N20

☐ ITS96/2-4 ITS96/3-6

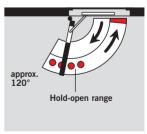
Hold-open unit



The **DORMA RF** hold-open unit enables doors to be securely held without any fall-back at precisely the required position up to an opening angle of approx. 120°. The pull-off force can be adjusted to any door situation. The DORMA RF

mechanism is non-handed and has been specifically designed for retrofitting to the G 96 N20 slide channel.

Not for fire and smoke check doors.

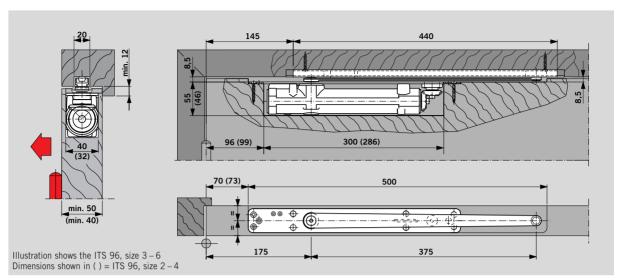


Accessories

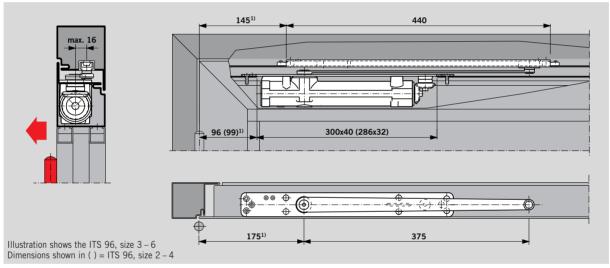
☐ Hold-open unit DORMA RF G 96 N20

☐ ITS96RF/2-4 ITS96RF/3-6

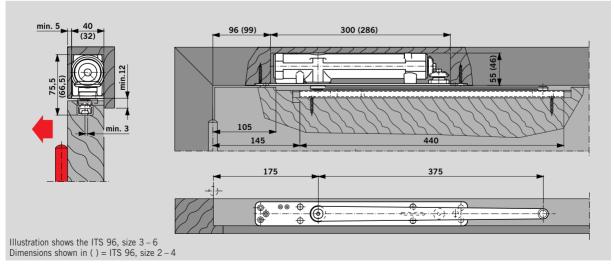




DORMA ITS 96 door closer with DORMA G 96 N20 slide channel in a **timber door** Example: Anticlockwise-closing (ISO 6) door; mirror image applies to clockwise-closing (ISO 5) doors.

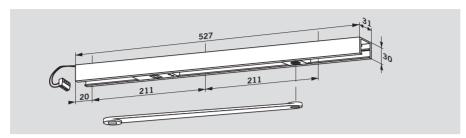


DORMA ITS 96 door closer with DORMA G 96 N20 slide channel in an **aluminium framed door** Example: Anticlockwise-closing (ISO 6) door; mirror image applies to clockwise-closing (ISO 5) doors. ¹⁾ Add 25 mm for aluminium profile frames with corner-angle reinforcement.



DORMA ITS 96 door closer with DORMA G 96 N20 slide channel in a timber door-transom fixing Example: Anticlockwise-closing (ISO 6) door; mirror image applies to clockwise-closing (ISO 5) doors.

Electro-mechanical hold-open



The **DORMA G 96 EMF** slide channel assembly enables the door to be held open securely at a pre-selected position without fall-back. The hold-open point can be adjusted within an opening angle of approx. 80° and 120°.

Note:

The hold-open point also constitutes the max. door opening angle (position door stop accordingly).

In the event of an alarm or a fault in the power supply, the hold-open is released and the door is closed by the door closer. The release is triggered by a signal from external smoke detectors (e.g. DORMA RMZ-K/S or DORMA RM).

The release force for the hold-open mechanism can be adjusted without tools and is rated to ensure that the door can also be easily released manually.

The DORMA G 96 EMF slide channel assembly comprises the arm, slide channel, slide block, electro-mechanical hold-open unit and fixing screws, and can be combined with both door closer sizes in the DORMA ITS 96 range

In the case of particulary large and heavy doors (over 1250 mm), we recommended that DORMA EM hold-open magnets be employed instead of the electromechanical hold-open unit.

Specification text

DORMA ITS 96 ... door closer (see pages 4 and 5) with G 96 EMF K8/K12 slide channel assembly, with integrated 24 V DC electromechanical hold-open, tested to EN 1155. Hold-open point (80° – 120°) and release force adjustable. Approved by the Institute for Building Technology, Berlin, for general use in hold-open systems. Acceptance inspection of the system is mandatory in Germany.

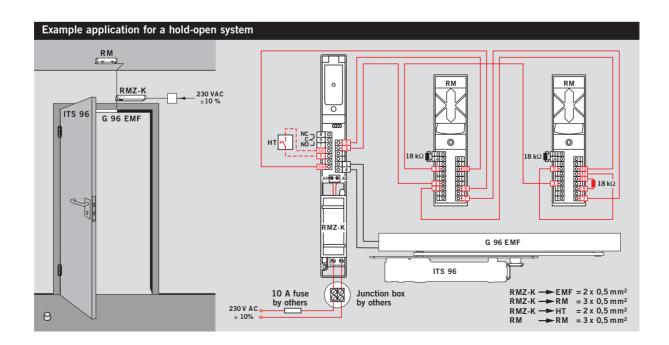
Version

□ LH (ISO 6) K8/K12□ RH (ISO 5) K8/K12

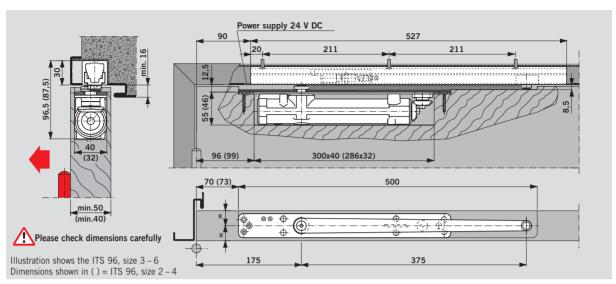
Make DORMAITS 96 EMF

☐ ITS96EMF/2-4 ITS96EMF/3-6

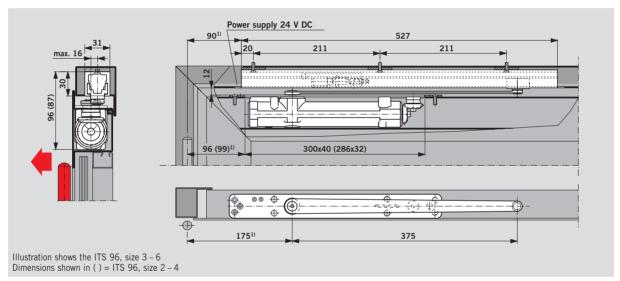
Technical data Operating voltage: 24 V DC, ± 15 % Power input: 1.4 W Rated for continuous duty: 100 % Release force: Adjustable







DORMA ITS 96 door closer with DORMA G 96 EMF slide channel assembly in a **timber door** Example: Anticlockwise-closing (ISO 6) door; mirror image applies to clockwise-closing (ISO 5) doors.



DORMA ITS 96 door closer with DORMA G 96 EMF slide channel assembly in an **aluminium framed door** Example: Anticlockwise-closing (ISO 6) door; mirror image applies to clockwise-closing (ISO 5) doors. ¹⁾ Add 25 mm for aluminium profile frames with corner-angle reinforcement.

F Approval certification

The DORMA ITS 96 EMF has been tested by the State Material Testing Authority, Dortmund, to EN 1155, Electrically Powered Hold-open Devices.

Regulations/Information

The use of hold-open devices may be subject to certain conditions – see page 25.

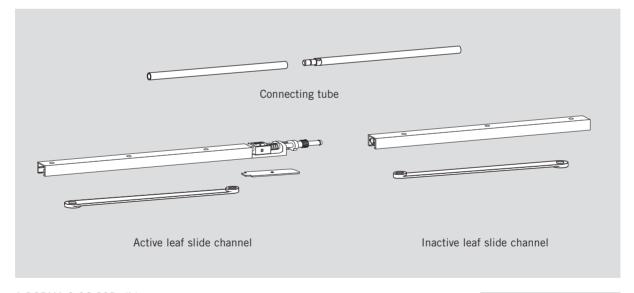
Door co-ordinator

The **DORMA G 96 GSR** slide channel with integral door co-ordinator for pairs of doors ensures that the active leaf always closes after the inactive leaf.

The DORMA G 96 GSR slide channel door co-ordinator features a push rod clamping system. As this system operates independently of door closer hydraulics, it offers maximum safety and reliability.

An overload release protects the door co-ordinator and the door set from damage. The DORMA G 96 GSR can be combined with both door closer sizes of the DORMA ITS 96 range.

| Version/Function | Door width (mm) Door leaf thickness min. (n | | Closer size ITS 96 |
|-------------------|---|----|--------------------|
| GSR | 1400 - 2200 | 40 | 2 – 4 |
| Door co-ordinator | 1400 - 2800 | 50 | 3 – 6 |

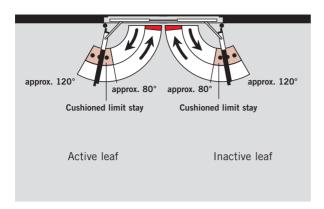


A DORMA G 96 GSR slide channel door co-ordinator encompasses an active leaf and an inactive leaf slide channel with cushioned limit stay, a connecting tube, a cover for the co-ordinator mechanism on the active leaf slide channel, and two arms.

F Approval certification

The DORMA ITS 96 GSR has been tested to EN 1158, Door Co-ordinator Devices by the State Material Testing Authority, Dortmund/Germany.





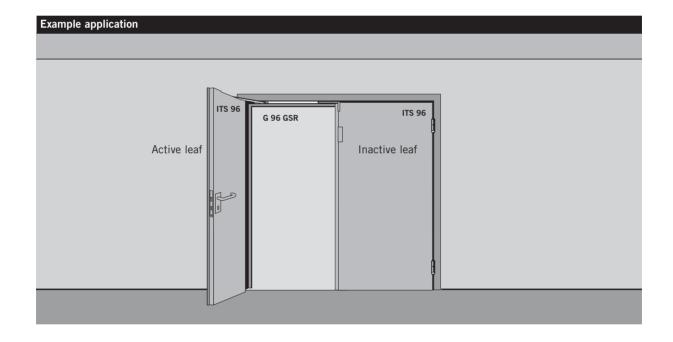
Specification text

DORMA ITS 96 ... door closer (see pages 4 – 5) with G 96 GSR K8/K12 slide channel, featuring integrated mechanical door co-ordinator using a push rod clamping system with overload release which operates independently of the closer hydraulics. Standard design – door leaves with no hold-open. Tested to EN 1158.

Approved by the Institute of Building Technology, Berlin, for general use in conjunction with fire and smoke check doors.

Make DORMAITS 96 GSR

ITS96GSR/2-4 ITS96GSR/3-6



Door co-ordinator with electro-mechanical hold-open

This door co-ordinator not only ensures the correct closing sequence of pairs of doors, but also allows the door leaves to be individually held open by an electromechanical device. The hold-open point for both door leaves lies between approx. 80° and 120°.

Note:

The hold-open point also constitutes the max. door opening angle – position door stop accordingly.

In the event of an alarm or a fault in the power supply, the hold-open is released and the door is closed by the door closer. The release is initiated by a signal from external smoke detectors (e.g. DORMA RMZ-K/S or DORMA RM) or other fire alarm.

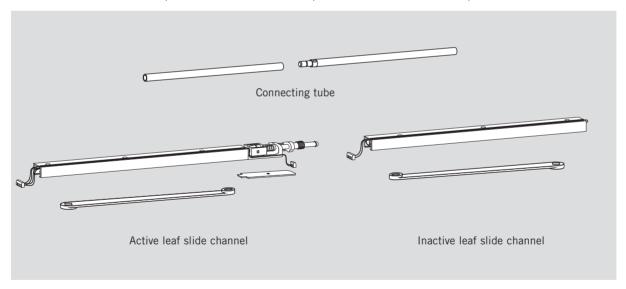
The release force for the hold-open mechanism can be adjusted without tools and is rated to ensure that the door can also be easily released manually.

The DORMA G 96 GSR-EMF slide channel door co-ordinator can be combined with both door closer sizes of the DORMA ITS 96 range. In the case of particulary large and heavy doors (over 2500 mm), we recommended that DORMA EM hold-open magnets be employed instead of the electromechanical hold-open unit.

Regulations/Information

The use of hold-open devices may be subject to certain conditions – see page 25.

| Version/Function | Door width (mm) | Door leaf thickness min. (mm) | Closer size ITS 96 | | |
|--------------------------|-----------------|-------------------------------|--------------------|--|--|
| GSR-EMF | | | | | |
| Door-coordinator and | 1400 – 2200 | 40 | 2 – 4 | | |
| hold-open in both leaves | 1400 – 2800 | 50 | 3 – 6 | | |
| | | | | | |



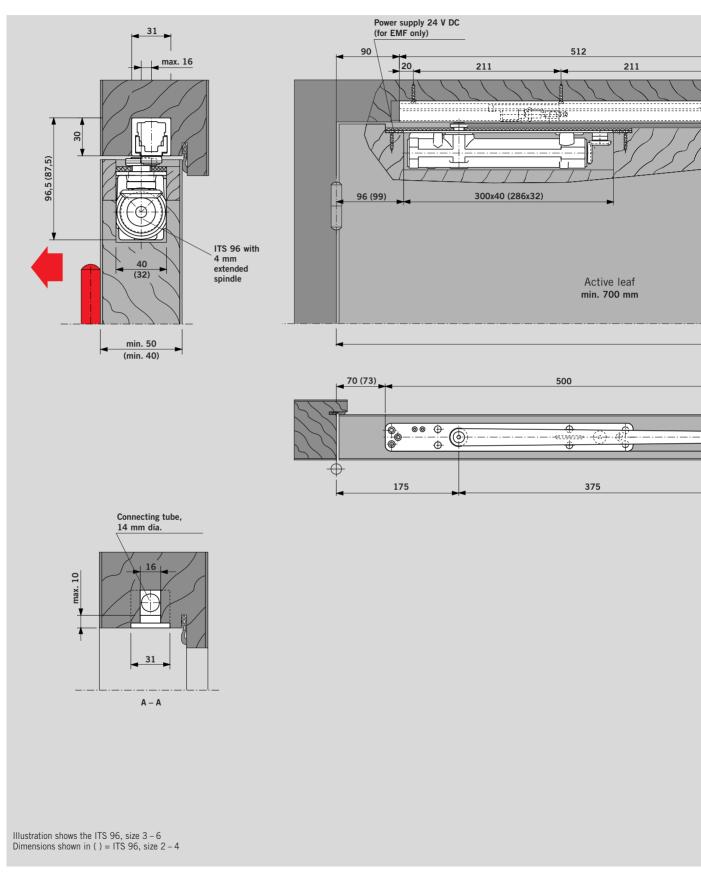
A DORMA G 96 GSR slide channel door co-ordinator encompasses an active leaf and an inactive leaf slide channel with electromechanical hold-open, a connecting tube, a cover for the co-ordinator mechanism on the active leaf slide channel, and two arms.

| Technical data | |
|----------------------------|----------------|
| Operating voltage: | 24 V DC, ± 15% |
| Power input: | 2.8 W |
| Rated for continuous duty: | 100% |
| Release force: | Adjustable |
| | |

F Approval certification

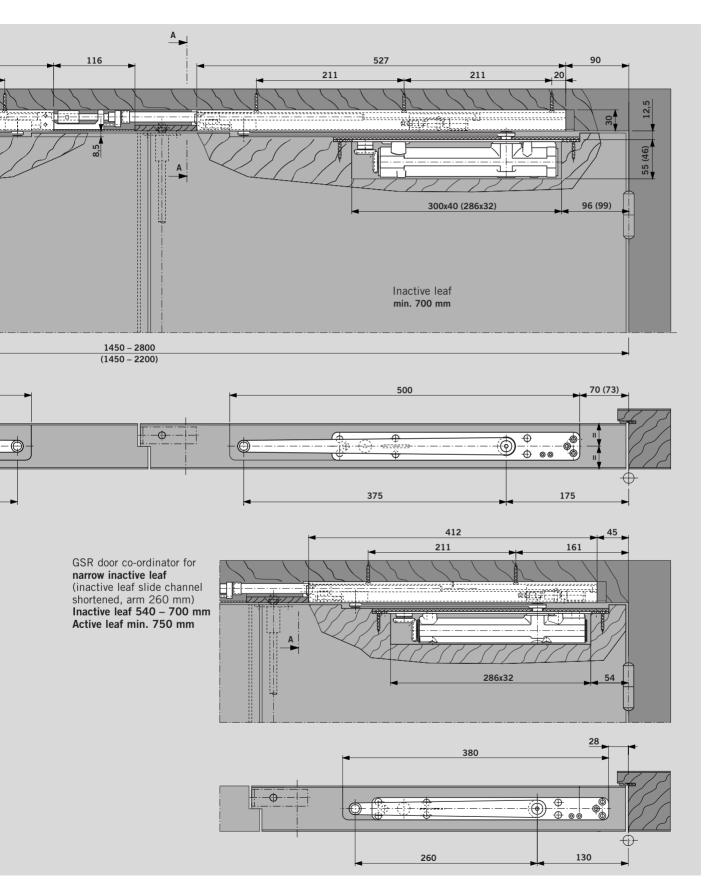
The DORMA ITS 96 GSR-EMF has been tested by the State Materials Testing Authority, Dortmund, to EN 1158, Door Co-ordinator Devices, and EN 1155, Electrically Powered Hold Open Devices.

Installation in a timber door



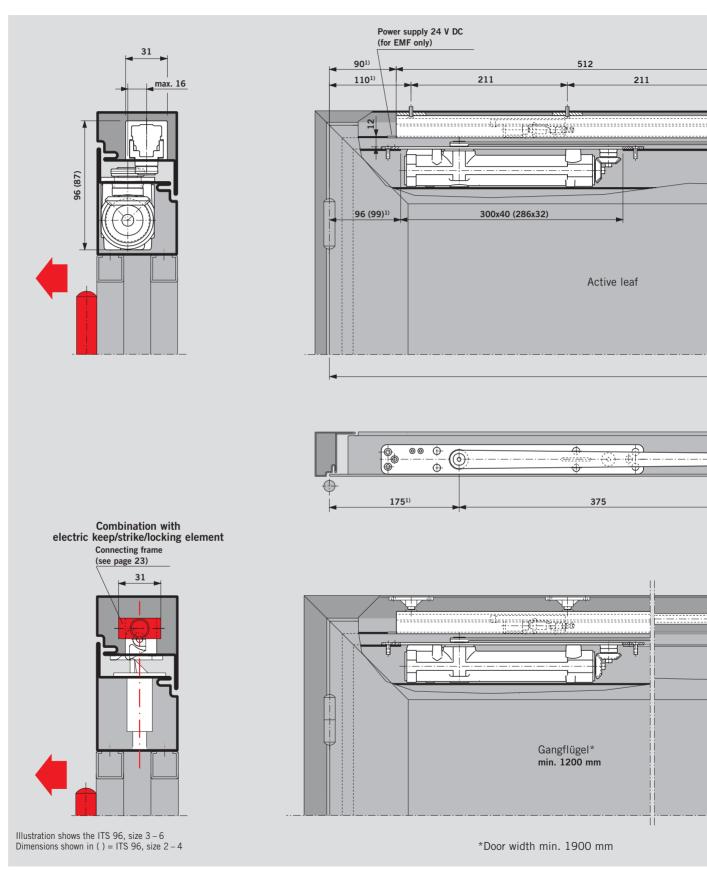
DORMA ITS 96 door closer with DORMA G 96 GSR/GSR-EMF slide channel Example: Anticlockwise-closing (ISO 6) active leaf; mirror image applies to clockwise-closing (ISO 5) active leaf.





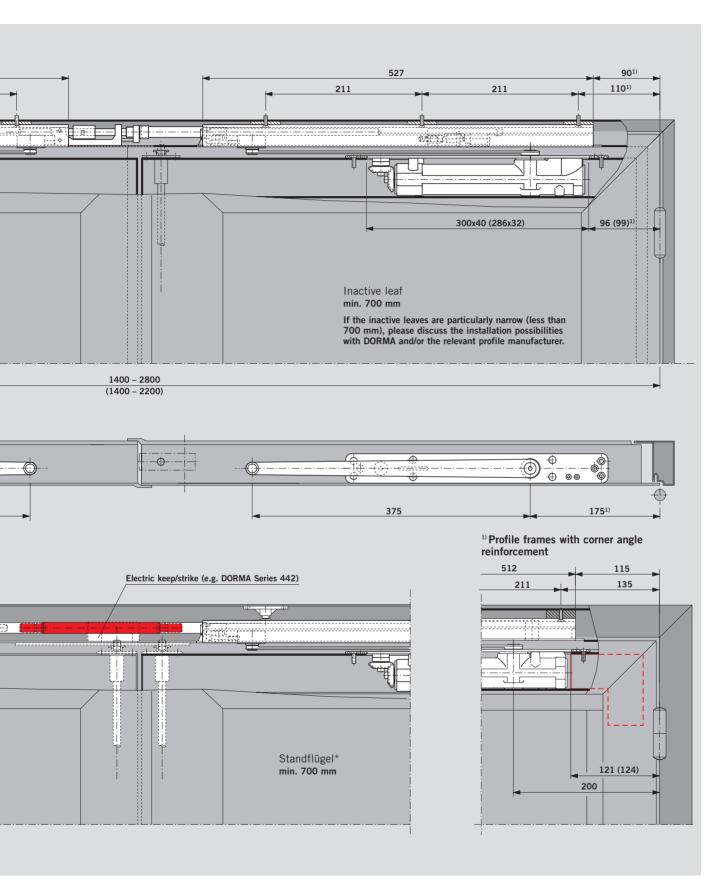
F When installed in fire and smoke check doors, ensure that the DORMA MK 397 carry bar is also fitted.

Installation in an aluminium framed door



DORMA ITS 96 door closer with DORMA G 96 GSR/GSR-EMF slide channel Example: Anticlockwise-closing (ISO 6) active leaf; mirror image applies to clockwise-closing (ISO 5) active leaf.





F When installed in fire and smoke check doors, ensure that the DORMA MK 397 carry bar is also fitted.

P

The DORMA RM7-K/S framemounted smoke detector and the DORMA RM frame and ceiling-mounted smoke detector provide the ideal complement to the successful, service-proven DORMA ITS 96 range of preventive fire protection products. They are designed in accordance with the latest codes issued by the German Institute for Building Technology, and ensure perfect interaction between all the devices employed for holding open fire and smoke doors -

whatever the situation. The innovative design of these devices has ensured a high degree of compactness so that there are no installation or positioning problems. And their attractive Softline styling blends in with any surroundings.

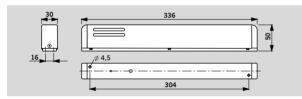
F Approval certification

DORMA RMZ-K/S and DORMA RM units have been approved by the German Institute for Building Technology, Berlin, as holdopen release devices.

DORMA RMZ-K/S

Frame-mounted smoke detector with stabilised power supply unit. This detector is available as an Enhanced or Standard model.

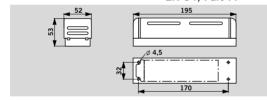
In the event of an alarm or a power failure, this unit deenergises all the hold-open devices connected to it (release function).



DORMA RM

Designed as a smoke switch; actuates a floating (volt-free) change-over contact in the event of an alarm or power failure.

Also suitable as an add-on smoke detector for the DORMA TS 73 EMR, TS 93 EMR and RMZ. Tested by VdS Cologne to EN 54, Part 7.



| Data and f | eatures | RMZ-K | RMZ-S | RM |
|--|---|------------------------------------|--------------------|------------------------------------|
| Functions | Smoke detector Release device Power supply unit | • | • | • |
| Smoke detection | Scattered light principle (optical sensor) | • | • | • |
| Fixing | Frame-mounted Ceiling-mounted | • - | • - | • |
| Connection of other detectors | 2-wire smoke switches | • • | | • |
| Total installed for hold-open and other det | device ectors in W | 4.4 | 4.4 | Depends on power supply unit |
| Power input of internal detection | | 0.5 | 0.5 | 0.6 |
| Indicators | Alarm – red LED Armed – green LED | • | • | • |
| Input voltage | | 230 V AC ± 10 % | 230 V AC ± 10 % | 24 V DC +15%, -10% |
| Output voltag | е | 24 V DC | 24 V DC | 24 V DC |
| Detector oper | ating voltage | 24 V DC | 24 V DC | 24 V DC +15%, -10% |
| Input current (max.) with external power supply unit, in A | | _ | _ | 2 |
| Current input | (max.) in mA | 111 | 91 | 25 |
| Floating change- over contact | Switching voltage (max.) Switching current (max.) Switching capacity (max.) | 60 V DC/ 25 V AC 2 A 60 W | _ | 60 V DC/ 25 V AC 2 A 60 W |
| Automatic reset can be change to manual reset | | • | • | • |
| Test port for f | unctional checking | • | • | • |
| Connection terminals for external manual release | | • | _ | • |
| Degree of pro | tection | IP 20 | IP 20 | IP 20 |
| Ambient temp | perature in °C | -15, +60 | -15, +60 | -20, +50 |
| Weight in kg | | 0.6 | 0.6 | 0.4 |
| Dimensions in mm | Length Overall depth Height | 336 50 30 | 336 50 30 | 195 53 52 |
| • ves - no | | | | |

yes − no

For more detailed information, see RMZ/RM brochure

Specification texts

RMZ-K/S

Smoke detector for frame mounting with integrated power supply unit and optical smoke sensor. For release of DORMA hold-open devices. With connections for further smoke detectors. Floating (volt-free) changeover contact and connection terminals for external manual release. Input voltage 230 V AC Operating voltage 24 V DC Approved by the Institute for Building Technology in Berlin as a hold-open release device.

Colour

□ silver

white, like RAL \square 9010 \square 9016

 \square stainless steel

 \square polished brass

□ special colour __ (like RAL __)

Mode

☐ Enhanced model with optional connection of additional detectors, external manual release and floating (volt-free) alarm contact.

Make DORMA RMZ-K

☐ Standard model with optional connection of additional 2-wire detectors

Make DORMA RMZ-S

RMZ-K

RM

Non-directional, universal optical smoke detector (24 V DC) for frame and ceiling installation. Can be employed as smoke switch and monitoring device for hold-open devices. With connections for further smoke detectors, floating (volt-free) change-over contact and connection terminals for external manual release. Approved by the Institute for Building Technology, Berlin for general use as a holdopen release device and tested by the VdS Cologne to EN 54 Part 7.

Colour

□ silver

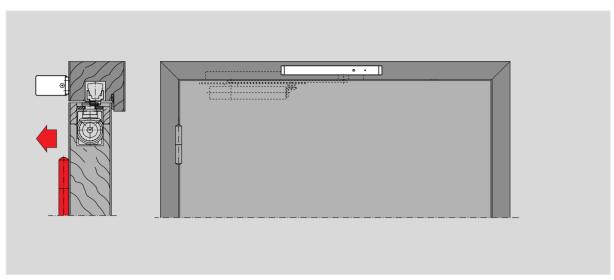
white, like RAL □ 9010 □ 9016

 \square stainless steel

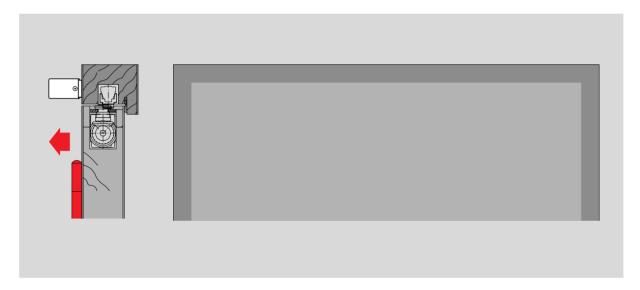
☐ polished brass ☐ special colour __ (like RAL __)

□ RM

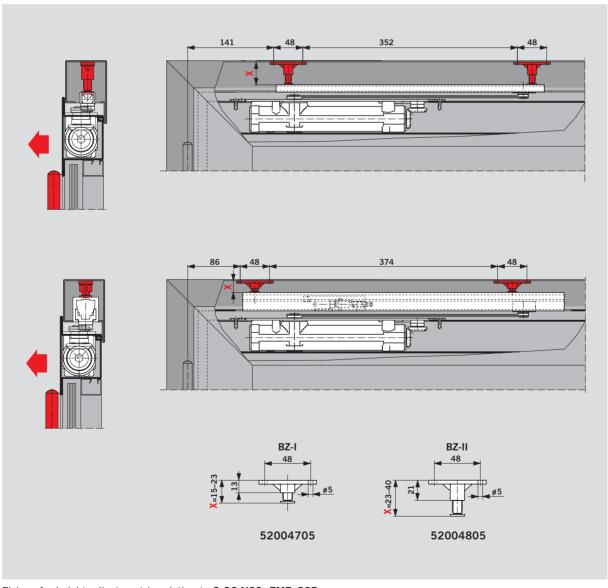




RMZ-K/S frame-mounted smoke detector on the pull side connected to an ITS 96 EMF Example: Anticlockwise-closing (ISO 6) door; mirror image applies to clockwise-closing (ISO 5) doors.

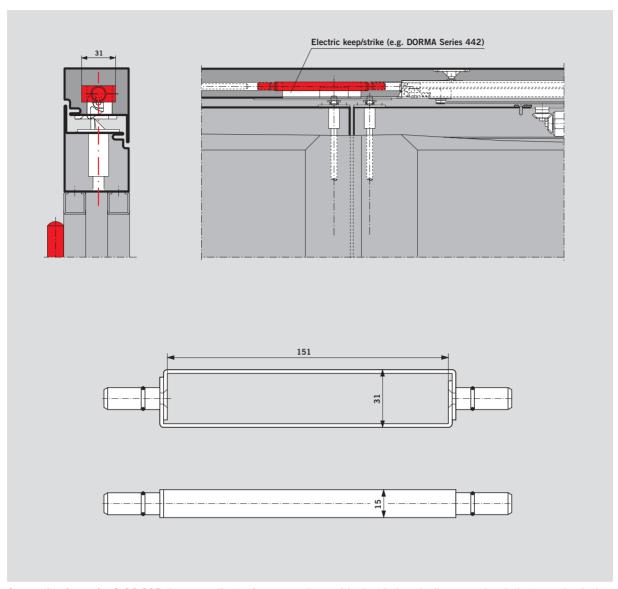


Fixings for **G 96 N20** and mounting plate for ITS 96 Example: Anticlockwise-closing (ISO 6) door; mirror image applies to clockwise-closing (ISO 5) doors.



Fixings for height adjustment in relation to **G 96 N20, EMF, GSR** Example: Anticlockwise-closing (ISO 6) door; mirror image applies to clockwise-closing (ISO 5) doors.





Connecting frame for ${\bf G}$ 96 ${\bf GSR}$ door co-ordinator for use on doors with electric keep/strike or overhead electromechanical locking element (see page 18)

*Door width min. 1900 mm

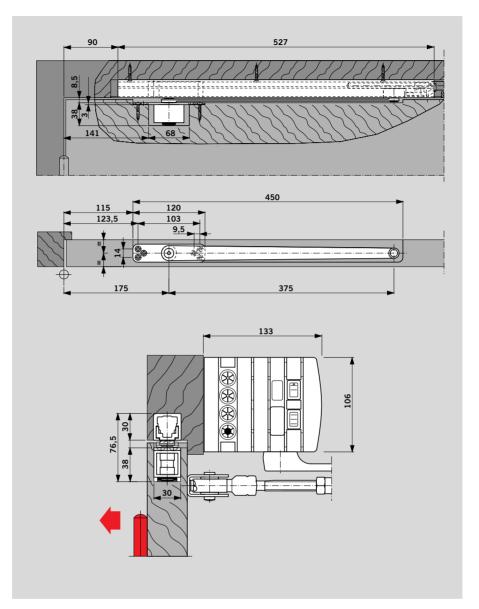
If the DORMA G 96 GSR door co-ordinators are required to operate independently of the ITS 96 door closers, e.g. in combination with the ED 200 automatic swing door operator, the connection between the door co-ordinator and the door leaf is provided by means of GSR pivot blocks.

Specification text

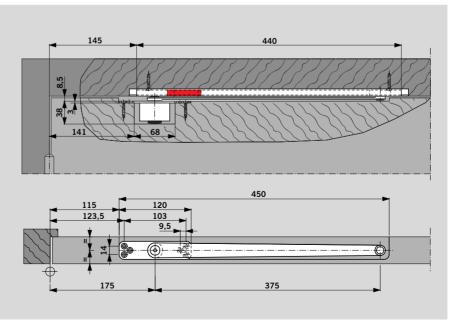
Pivot bearing for closer-independent door co-ordination with DORMA G 96 GSR door co-ordinators.

Make

DORMA ITS GSR pivot block



The pivot bearing used in conjunction with the G 96 N20 slide channel also acts as a cushioned limit stay.





The use of hold-open devices may be subject to certain conditions. These usually deal particularly with the relevant acceptance, routine inspection and maintenance requirements.

The information given on this page is designed to inform all relevant persons of the most important measures to be implemented in order to ensure best practice governing the operation of hold-open systems.

Further details can be found in the following documents:

- Guidelines for hold-open systems, published by the German Institute for Building Technology, Berlin.
- Building Regulations, England and Wales
- Other national building regulations
- general building regulations approval of the hold-open system concerned
- EN 1155

1 General

1.1 In respect of doors etc. which are held open by hold-open systems, the area needed for closure must be kept permanently free of obstructions. This area should be clearly indicated by means of lettering, floor markings or similar. If necessary, structural measures may need to be

taken in order to ensure that wiring/ducting, stored goods or structural components (e.g. false ceilings or other components) do not fall down into the area to be kept clear.

1.2 As far as possible, smoke detectors should be used for hold-open systems.

Smoke detectors should be used for hold-open systems for doors etc. in emergency exits and escape routes.

1.3 All hold-open devices should allow manual release without their operational readiness being adversely affected. Door closers with electro-magnetic hold-open

systems can be released by pressing lightly on the door leaf. If hold-open magnets or free-swing door closers are used, the release function is triggered by pressing a switch. The switch must be located in the immediate proximity of the door and must not be covered when the door is held open.

2 Commissioning

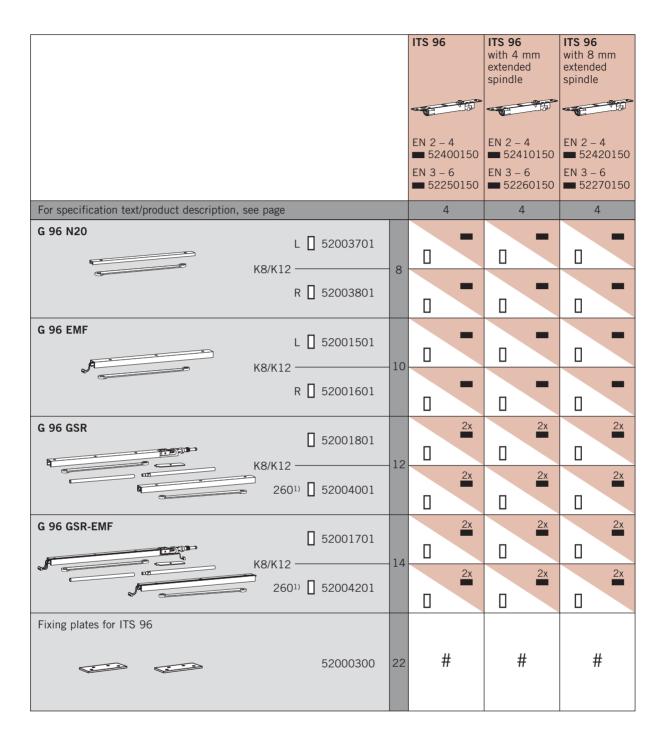
2.1 After the system has been fitted ready for use on site, it should be commissioned to check that its operation is problem-free and that its installation complies with all relevant regulations. The commissioning should only be performed by qualified technical personnel.

3 Routine Inspection

3.1 The operator should keep the hold-open system in a permanently fit state for use and must inspect it at least once a month to ensure its functional integrity.

3.2 In addition, it is the responsibility of the operator to ensure that all devices are checked and maintained/ serviced to ensure their combined functional integrity, this to be performed at least

once a year, unless a shorter time period is stipulated in the national regulations. This inspection and servicing activity should only be carried out by a specialist or suitably qualified person. **3.3** The scope, result and time of the routine inspections should be recorded, and these records should be retained by the operator.



= = Closer body separate

 \prod = Slide channel separate

= Optional accessory

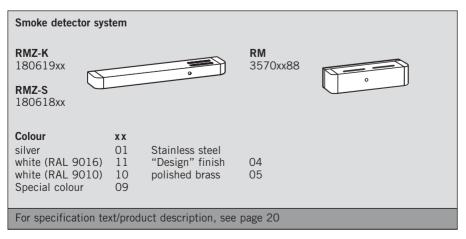
L = LH/anticlockwise closing (ISO 6)

R = RH-clockwise closing (ISO 5)

GSR door co-ordinator for inactive leaf of 540–700 mm (inactive leaf slide channel shortened, arm 260 mm)



| RF hold-open unit for G 96 N | RF hold-open unit for G 96 GSR, inactive leaf | Fixing BZ I for narrow- stile/alu- framed doors | Fixing BZ II for narrow- stile/alu- framed doors | Fixings for mounting the G 96 N20 aluminium doors | Connecting frame for G 96 GSR | Pivot bearing | Carry bar MK 397 |
|------------------------------------|--|--|---|---|-------------------------------------|---------------|------------------------|
| | | | | | | | |
| K8/K12 52005600 | K8/K12 52003500 | 52004705 | 52004805 | 52000405 | 52004400 | 520034001) | 470029xx ²⁾ |
| 8 | - | 22 | 22 | 22 | 23 | 24 | |
| # | | # | # | # | | # | |
| # | | # | # | # | | # | |
| | | # | # | | | | |
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| | | | | | | | |
| | | | | | | | |



- Pivot bearing with 4 mm and 8 mm extended spindle available on request
- 2) MK 397 Colour xx galvanised 00 special colour 30



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Subject to change without notice

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