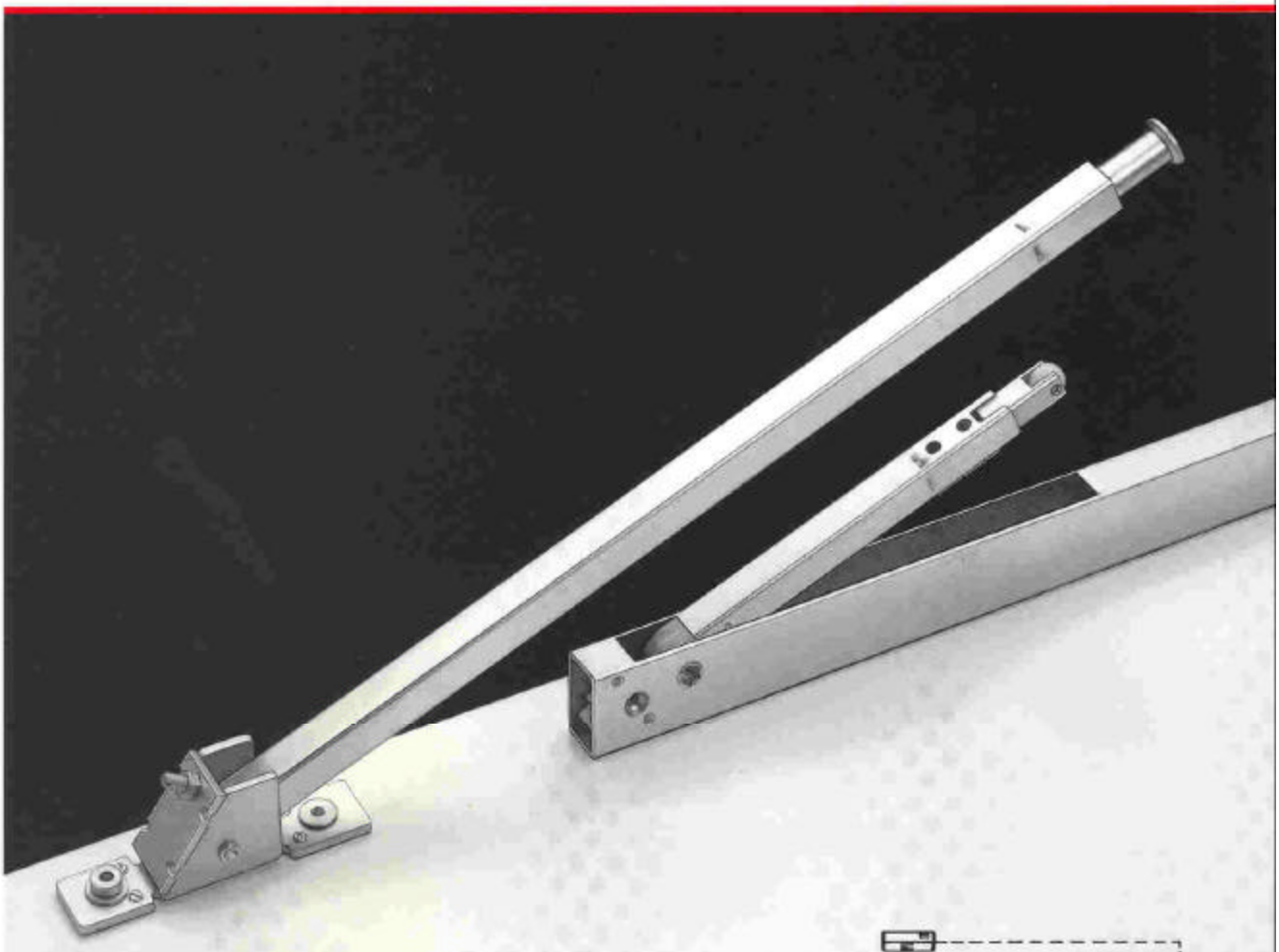
CI/SfB
(32) Xt 7
November 1999

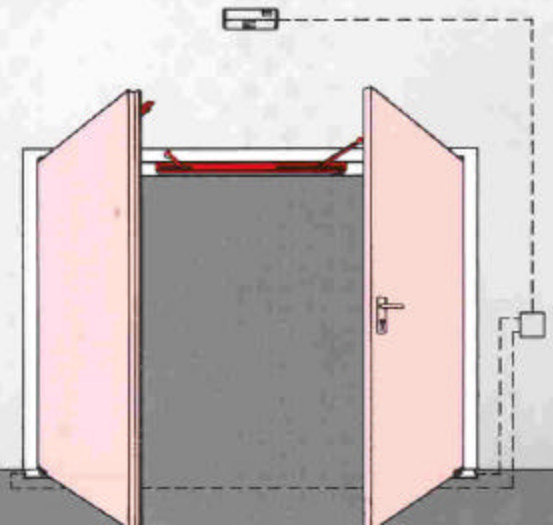
DORMA

Door co-ordinators
DORMA SR



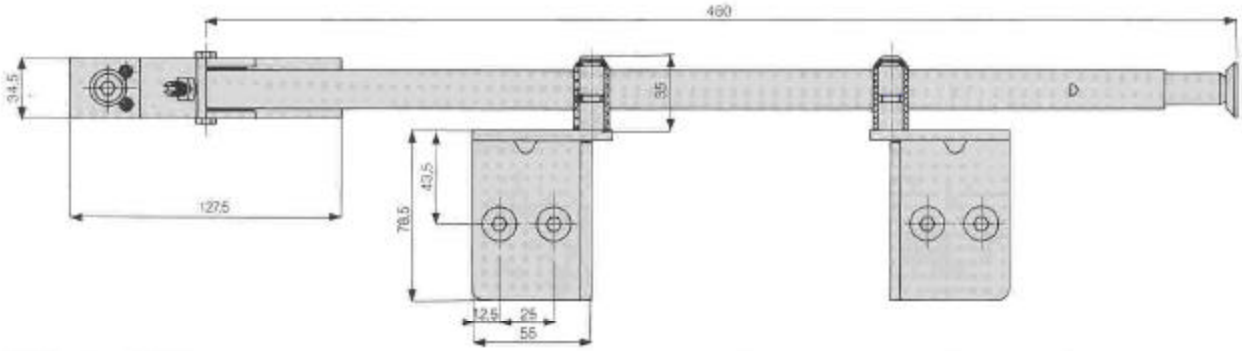
. . . for rebated pairs of doors

surface and concealed
- models SR 390 and SR 392.
With electro-magnetic arm retention: SR 391, SR 393



BSI REGISTERED FIRM

DORMA SR 390 door co-ordinator, surface-installed



The DORMA SR 390 is a thoroughly proven, purely mechanical door co-ordinator for pairs of doors with rebated meeting stiles. It is fixed to the door frame as a surface unit and is non-handed.

The DORMA SR 390 ensures the correct sequence of door closing.

Specification text:

Door co-ordinator, non-handed, for frame fixing, with integral telescopic shock absorber and adjusting screws for tolerance compensation when installed, including fixing bracket and installation accessories.

Officially approved by the Institute for Building Technology, Berlin, for use with fire doors.

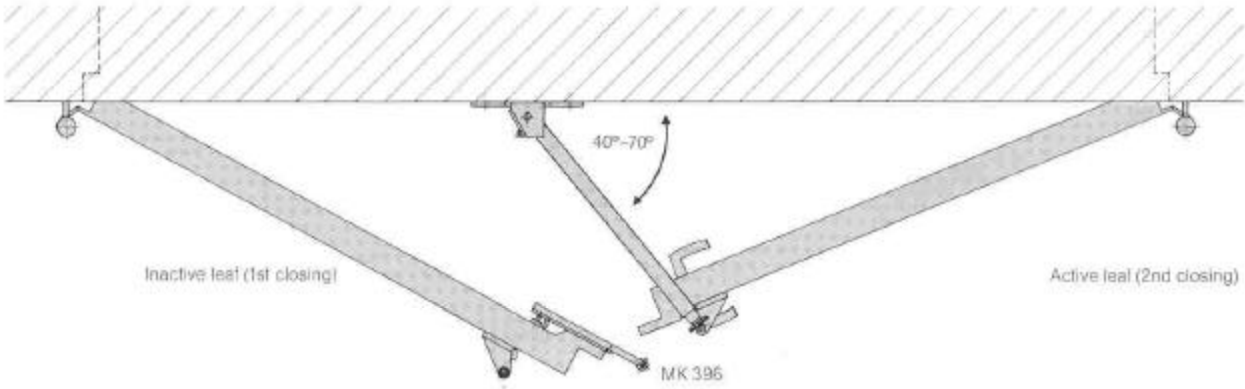
Surface finish

- ☐ zinc-plated for steel doors
- ☐ zinc-plated and silver-painted for timber doors

Make DORMA SR 390

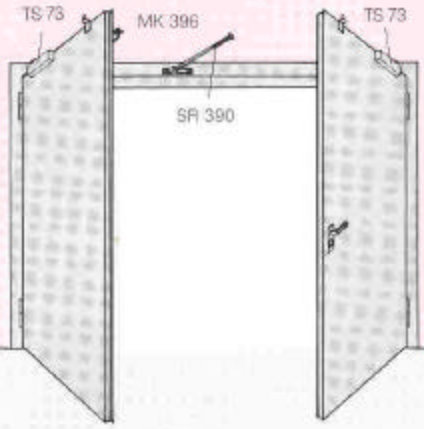
Approval certification:

The DORMA SR 390 has been approved by the State Material Testing Institute of North Rhine-Westphalia, Dortmund/Germany. It may be used in combination with fire doors for which a corresponding approval certificate has been obtained.

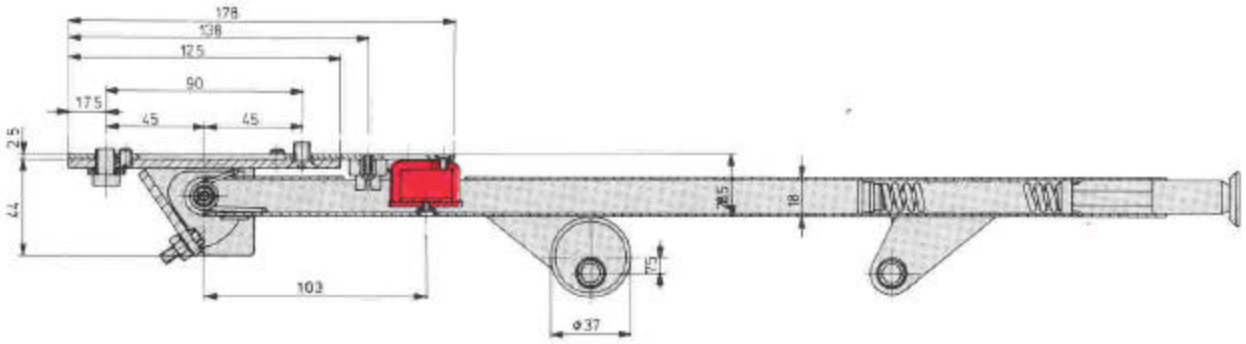


Typical installation for the DORMA SR 390 door co-ordinator
in combination with a DORMA door closer (TS 83, TS 73, TS 59) and the DORMA MK 396 carry bar.

Also suitable for use in combination with DORMA BTS floor springs.



DORMA SR 391 surface door co-ordinator with electro-magnetic arm retention



Based on the DORMA SR 390, the DORMA SR 391 offers a high degree of protection against damage to the holding arm for doors normally kept open.

The electro-magnet retains the holding arm parallel to the door frame so that it is less conspicuous. During door closing, an integral electric closing angle monitoring feature in the active leaf door closer [1] trips the electro-magnet to release the holding arm and thus ensure the correct closing sequence of the door leaves.

[1] Hold-open device:
Type DORMA EMF/S or DORMA EMB 80/S

Hold-open system:
Type DORMA EMR/S

When ordering, indicate handing of active and inactive door leaves.

Specification text:

Door co-ordinator, non-handed, for frame fixing, with electro-magnet arm retainer, integral telescopic shock absorber and adjusting screws for tolerance compensation when installed, including fixing bracket and installation accessories and eccentric roller for protecting the electro-magnets against mechanical damage.

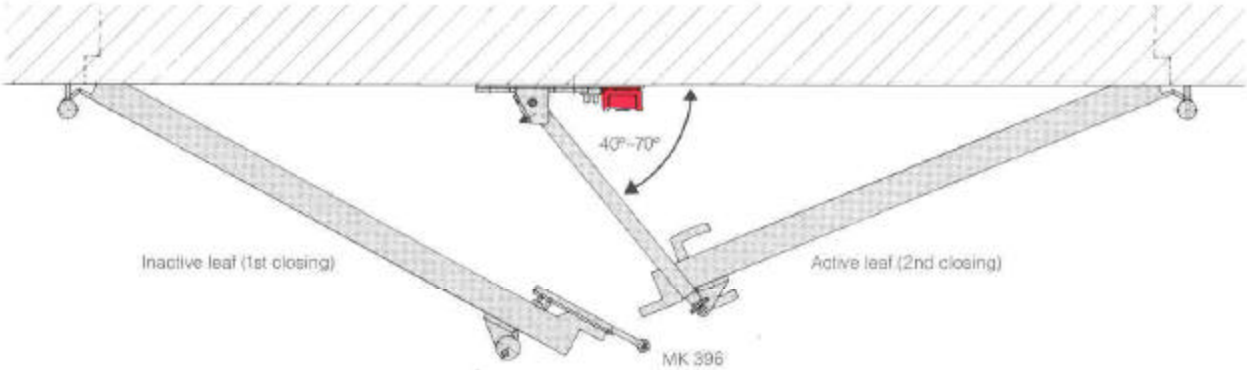
Operating voltage 24 vDC
Power input 1.6 watt
Officially approved by the Institute for Building Technology, Berlin, for use in conjunction with hold-open systems.

Surface finish
- ☐ zinc-plated for steel doors
- ☐ zinc-plated and silver-painted for timber doors

Make DORMA SR 391
Note: According to the German codes of practice relating to hold-open systems, acceptance inspection of the system is mandatory.

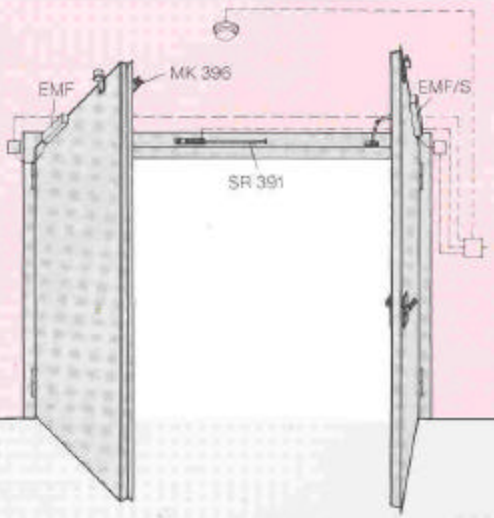
Approval certification:

The DORMA SR 391 has been approved by the Institute for Building Technology, Berlin, for use in combination with all common smoke detector systems, e.g. DORMA SR 391 with DORMA RMZ 2: approval certificate Z-6.5-1310.



Typical installation for DORMA SR 391 door co-ordinator in combination with DORMA door closers (connected to external smoke detector system – e.g. DORMA RMZ 2/RM) with electro-magnetically controlled hydraulic **hold-open and electric monitoring of the closing angle** – DORMA EMF/**S** (active leaf), DORMA EMF (inactive leaf), and DORMA MK 396 carry bar.

Also suitable for combination with DORMA floor springs featuring electro-magnetically controlled hydraulic **hold-open and electric monitoring of the closing angle:** DORMA EMB 80/**S** (active leaf), DORMA EMB 80 (inactive leaf); or with DORMA door closers featuring electro-magnetically controlled hydraulic hold-open, power supply unit, control unit, optical smoke detector and electric closing angle monitoring feature: DORMA EMR/**S** (active leaf) and DORMA EMR slave unit (inactive leaf).

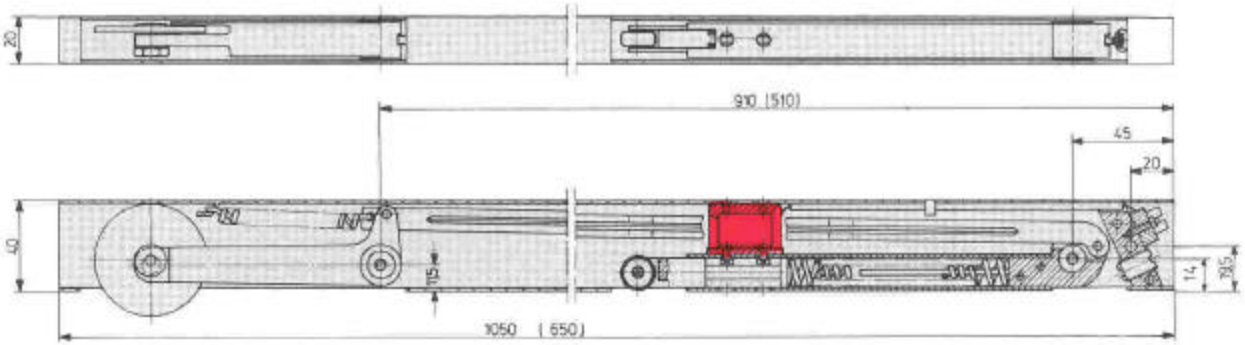


Technical data:

Power input:	approx. 1.6 watt
Operating voltage:	24 vDC ± 15 % (residual ripple max. 30 %)

Rated for continuous service (duty factor = 100 %)

DORMA SR 393 concealed door co-ordinator with electro-magnetic arm retention



Based on the DORMA SR 392, the DORMA SR 393 offers a high degree of protection against damage to the holding arm for doors which are normally kept open.
An electro-magnetic retainer keeps the holding arm and release roller parallel to the door frame so that the door co-ordinator is virtually invisible. As the doors close, an integral electric closing angle monitoring feature on the active leaf door closer [1] trips the electro-magnet to release the holding arm and thus ensure the correct closing sequence of the door leaves.

[1] Hold-open device:
Type DORMA EMF/S or DORMA EMB 80/S
Hold-open system:
Type DORMA EMR/S
When ordering, indicate handing of active and inactive door leaves.

Specification text:

Concealed, non-handed door co-ordinator with electro-magnet arm retainer, integral telescopic shock absorber, adjustment screw for adjusting the holding arm, and adjustable eccentrically mounted release roller.

Operating voltage 24 vDC
Power input 1.6 watt

Officially approved by the Institute for Building Technology, Berlin, for use in conjunction with hold-open systems.

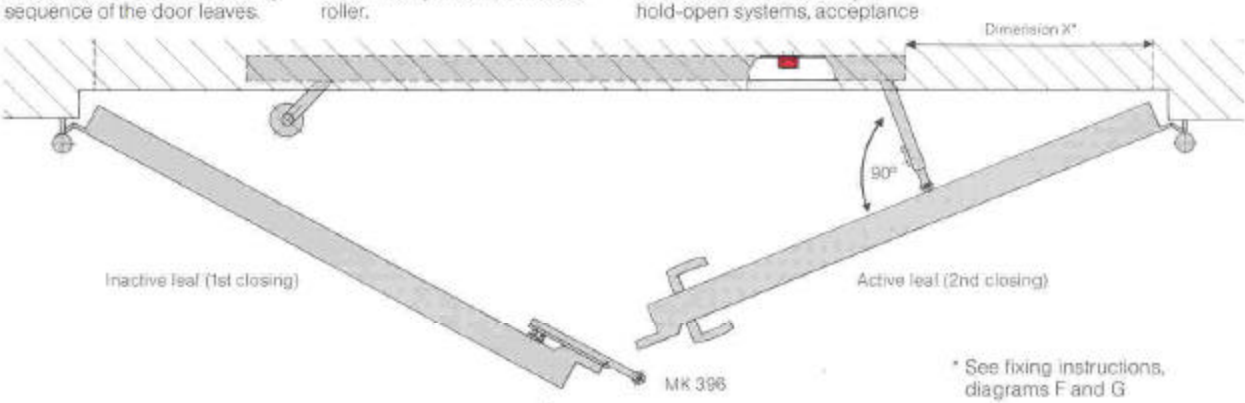
Surface finish

- ☐ Size 1 zinc-plated, length 1050 mm (door leaf width greater than 800 mm)
- ☐ Size 2 zinc-plated, length 650 mm (door leaf width less than 800 mm)

Make DORMA SR 393
Note: According to the German codes of practice relating to hold-open systems, acceptance inspection of the system is mandatory.

Approval certification:

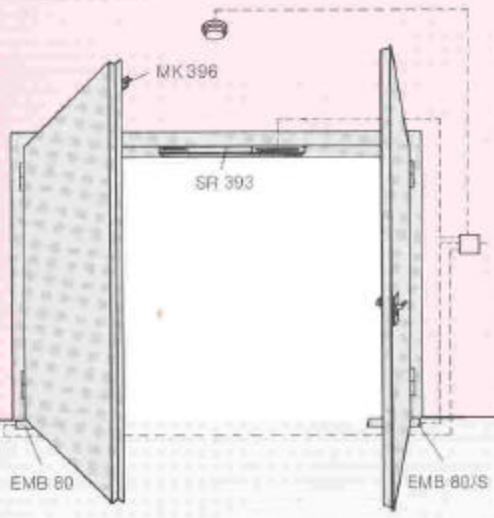
The DORMA SR 393 has been approved by the Institute for Building Technology, Berlin, for use in combination with all common smoke detector systems, e.g. DORMA SR 393 with DORMA RMZ 2: approval certificate Z-6.5-1310.



* See fixing instructions, diagrams F and G

Typical installation for DORMA SR 393 door co-ordinator in combination with DORMA floor springs (connected to external smoke detector system – e.g. DORMA RMZ 2/RM) with electro-magnetically controlled hydraulic **hold-open and electric monitoring of the closing angle** – DORMA EMB 80/**S** (active leaf), DORMA EMB 80 (inactive leaf), and DORMA MK 396 carrier bar.

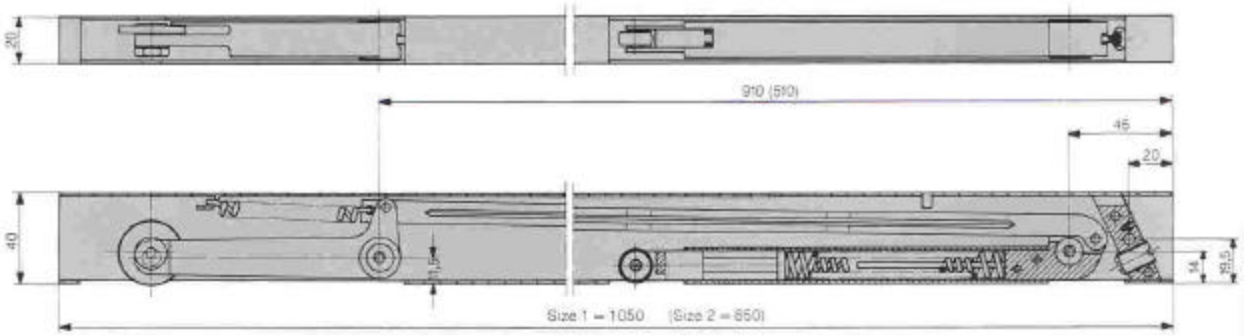
Also suitable for combination with DORMA door closers featuring electro-magnetically controlled hydraulic hold-open and electric monitoring of the closing angle: DORMA EMF/**S** (active leaf), DORMA EMF (inactive leaf); or with DORMA door closers featuring electro-magnetically controlled hydraulic **hold-open, power supply unit, control unit, optical smoke detector and electric closing angle monitoring feature:** DORMA EMR/**S** (active leaf) and DORMA EMR slave unit (inactive leaf).



Technical data:
Power input: approx. 1.6 watt
Operating voltage: 24 vDC ± 15 %
(residual ripple max. 30 %)
Rated for continuous service (duty factor = 100 %)

WN 050926, 12.99, SR, GB, 1.5, DO, 1999

DORMA SR 392 concealed door co-ordinator



The DORMA SR 392 is a co-ordinator for pairs of doors with rebated meeting stiles. It is installed so that it is concealed either in the lintel or below the door frame. It is non-handed and is suitable for combinations of unequal door leaves.
The correct closing sequence of the door leaves is always ensured by the holding arm (active leaf) and the release roller (inactive leaf).

Specification text:

Concealed non-handed door co-ordinator with integral telescopic shock-absorber, screw for adjusting the holding arm and adjustable eccentric-mounted release roller. Officially approved by the Institute for Building Technology, Berlin, in conjunction with fire doors.

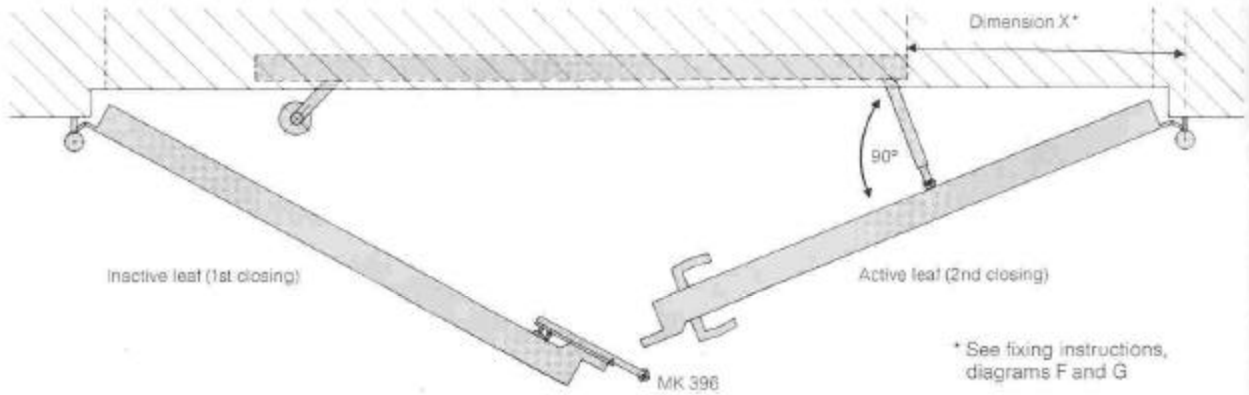
Surface finish

- ☐ Size 1 zinc-plated, length 1050 mm (door leaf width greater than 800 mm)
- ☐ Size 2 zinc-plated, length 650 mm (door leaf width less than 800 mm)

Make DORMA SR 392

Approval certification:

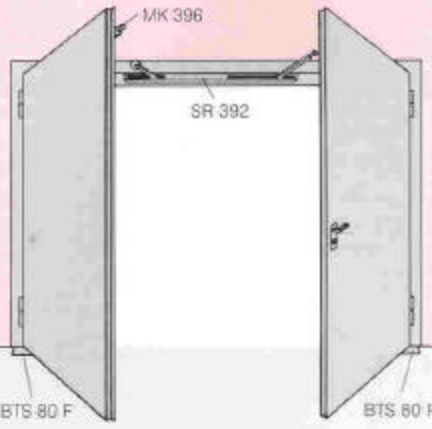
The DORMA SR 392 has been approved by the State Material Testing Institute of North Rhine-Westphalia, Dortmund/Germany. It may be used in combination with fire doors for which a corresponding approval certificate has been obtained.



* See fixing instructions, diagrams F and G

Typical installation for the DORMA SR 392 door co-ordinator
in combination with a DORMA BTS 80 F floor spring and a DORMA MK 396 carry bar.

Combination with DORMA door closers (TS 83, TS 73, TS 59) also possible.



For installation variations and sizes, see page 6