



Sliding gates

**"the fire barrier
for any size"**



Features

Sliding gates

WHAT DEFINES THEM?

El₂60, El₂90, El₂120, REI120 and REI180 fire rated gates are available with horizontal sliding.

The field of application includes the closure of large openings and/or special usage conditions in the dimensions requested by the customer. Gates are supplied with leaves made with flush panels of insulated sheet metal, top tubular tracks, protective carters, counterweights, thermal or electromagnetic fuses and finished with a base coat or RAL colors, plus other accessories required for the correct functioning of the product.

Standards

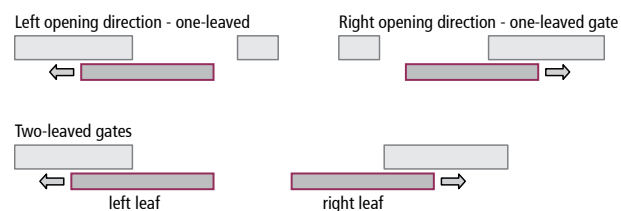
El₂60, El₂90 and El₂120 gates are certified in accordance with the EN 1634 standard.

REI120 and REI180 gates are certified in accordance with the UNI 9723 standard.

All gates are homologated in compliance with the current ministerial provisions in force.

Opening direction

The opening direction needs to be specified when the order is placed.



Sliding gates available in the following classes:

El₂60 El₂90 El₂120 REI 120 REI 180



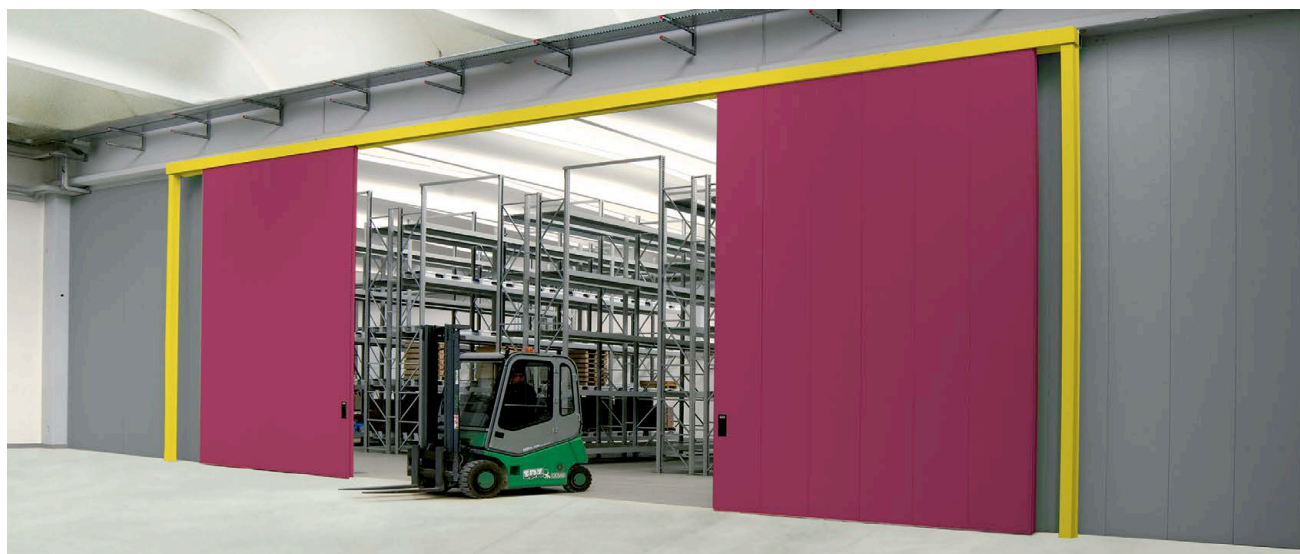
ATTENTION

For special applications consult the Ninz technical department.

The holding system for the gate is chosen by the customer to conform with their own worksite needs and the anti-fire design (thermal fuse or electromagnet).

Two-leaved gates available in the following classes:

El₂60 El₂90 El₂120 REI 120



NOTE

Fire rated gates require careful design because of their dimensions and special functions. Every installation site should be measured and checked for vertical alignment

of the walls and gradients of the flooring. Particular care must be taken to check for protrusions or blockages that might hinder the operation or free movement of the gates.

El₂60, El₂90, El₂120 AND REI 120 ONE-LEAVED VERSIONS

El₂60, El₂90 and El₂120, in conformity with EN 1634 or REI 120, in conformity with UNI 9723, the sliding gates series has the following features:

Installation

On weight-bearing masonry walls or insulated steel or insulated steel structures.

Gate leaves

Made of continuous panels of hollow-core sheet metal insulated with appropriate materials. Assembly involves screwing the structure to pre-prepared horizontal profiles.

Top guide track

For horizontal sliding, made of press-folded steel with pre-drilled holes for attachment using plugs (not included). Overhead sliding on low friction carriages. The extension of the floor-mounted guide track beyond the opening ensures the perpendicularity of the leaf. The top guide track is covered by a protection carter made of press-folded sheet metal.

Overlapping labyrinths

Made of press-folded steel.

Counterweight

For adjustable closure and protected by press-folded sheet metal carters, with counterstrike inset.

Door handles

Recessed on both sides.

Sealing

Thermo-expanding on all overlapping labyrinths and underneath the leaf.

Identification plate

Marking with reference information that is applied directly to the handle.

Finishing

With a base coat thermoset in furnace, light turquoise pastel color (similar to NCS4020-B50G).

Packaging

Modules in disposable metal container.

Wall opening dimensions L x H

class	min.	max.
El ₂ 60, El ₂ 90, El ₂ 120	750 x 500 mm	5350 x 4938 mm
REI 120	750 x 500 mm	6000 x 6000 mm *

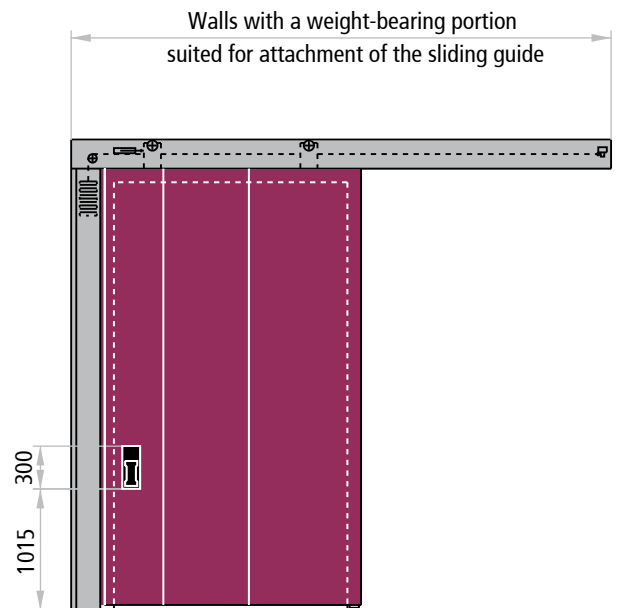
* larger sizes on request

Operating mode

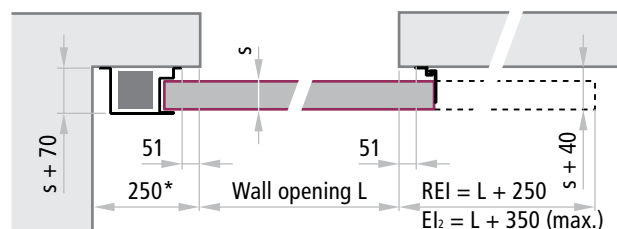
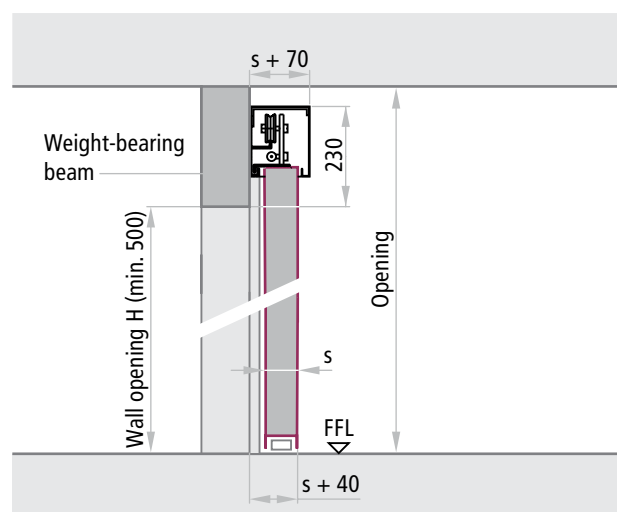
Of the gate series with thermal fuse: the gate can stand still at any position. The counterweight remains hooked to the thermal fuse and only closes the gate when the fuse fails.

NOTE

Additional accessories are usually dependent on the dimensions of the gates



NB: Guide track gradient of 2 mm/running meter



*Variable dimensions for larger-sized gates

Thicknesses and weights

class	leaf thickness	weight/wall opening
El ₂ 60, REI 120	s = 80 mm	approx. 50 kg/m ²
El ₂ 90	s = 80 mm	approx. 55 kg/m ²
El ₂ 120	s = 100 mm	approx. 60 kg/m ²

Features

Sliding gates

REI 180 ONE-LEAVED VERSION

In conformity with UNI 9723, the sliding gates series has the following features:

Installation

On walls consisting of weight-bearing masonry.

Gate leaves

Made of continuous modules of hollow-core sheet metal panels insulated with the appropriate materials. Assembly involves screwing the structure to pre-prepared horizontal profiles. Leaf thickness 140 mm.

Top guide track

For horizontal sliding, made of press-folded steel with pre-drilled holes for attachment using plugs (not included). Overhead sliding on low friction carriages. The extension of the floor-mounted guide track beyond the opening ensures the perpendicularity of the leaf. The top guide track is covered by a protection carter made of press-folded sheet metal.

Overlapping labyrinths

Made of press-folded steel.

Counterweight

For adjustable closure and protected by press-folded sheet metal carter, with counterstrike inset.

Door handles

Recessed on both sides.

Sealing

Thermo-expanding on all overlapping labyrinths and underneath the leaf.

Identification plate

Marking with reference information that is applied directly to the handle.

Finishing

With a base coat thermoset in furnace, light turquoise pastel color (similar to NCS4020-B50G).

Packaging

Modules in disposable metal container.

Wall opening dimensions

Min. 750 x 500 mm, max. 6000 x 6000 mm (larger sizes on request).

Operating mode

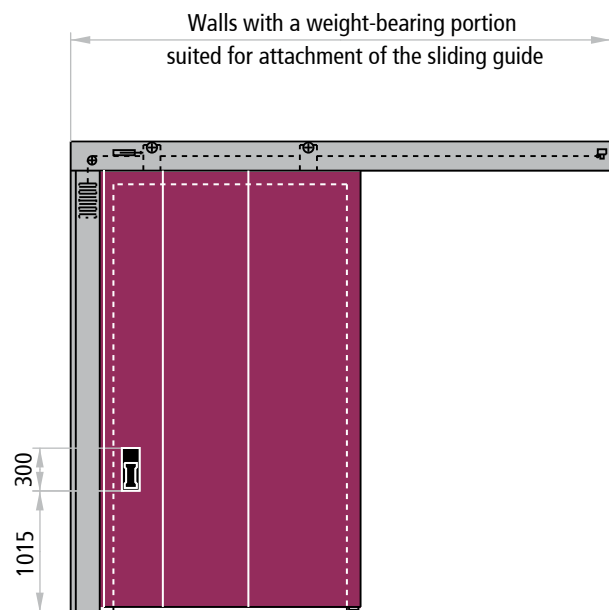
Of the gate series with thermal fuse: the gate can stand still at any position. The counterweight remains hooked to the thermal fuse and only closes the gate when the fuse fails.

Weight

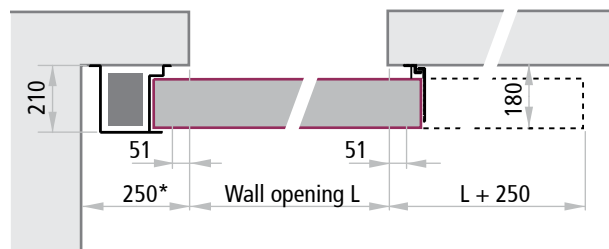
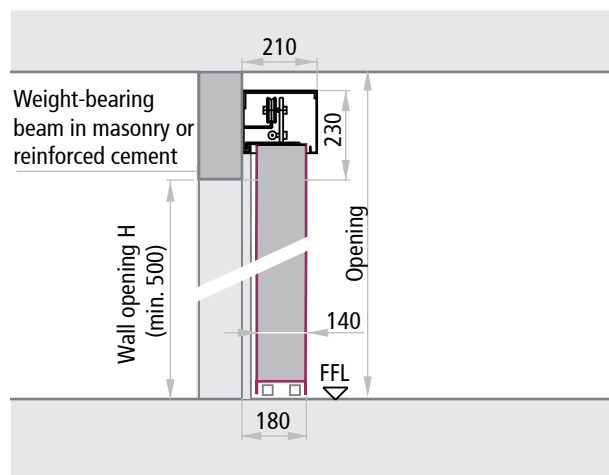
Of the sliding door: REI 180 approx. 75 kg/m² of wall opening

NOTE

Additional accessories are usually dependent on the dimensions of the gates



NB: Guide track gradient of 2 mm/running meter



*Variable dimensions for larger-sized gates

El₂60, El₂90, El₂120 AND REI 120 TWO-LEAVED VERSIONS

El₂60, El₂90 and El₂120, in conformity with EN 1634 or REI 120, in conformity with UNI 9723, the sliding gates series has the following features:

Application

On weight-bearing masonry walls or insulated steel or insulated steel structure.

Gate leaves

Made of continuous modules of hollow-core sheet metal panels insulated with the appropriate materials. Assembly involves screwing the structure to pre-prepared horizontal profiles.

Top guide track

For horizontal sliding, made of press-folded steel with pre-drilled holes for attachment using plugs (not included). Overhead sliding on low friction carriages. The extension of the floor-mounted guide track beyond the opening ensures the perpendicularity of the leaves. The top guide track is covered by a protection carter made of press-folded sheet metal.

Overlapping labyrinths

Made of press-folded steel.

Counterweights

For adjustable closure and protected by press-folded sheet metal carter.

Door handles

Recessed on both sides of the leaves.

Sealing

Thermo-expanding on all overlapping labyrinths and underneath the leaves.

Identification plate

Marking with reference information that is applied directly to the handle.

Finishing

With a base coat thermoset in furnace, light turquoise pastel color (similar to NCS4020-B50G).

Packaging

Modules in disposable metal container.

Wall opening dimensions L x H

class	min.	max.
El ₂ 60, El ₂ 90, El ₂ 120	2000 x 500 mm	5350 x 4938 mm
REI 120	2000 x 500 mm	8000 x 6000 mm *

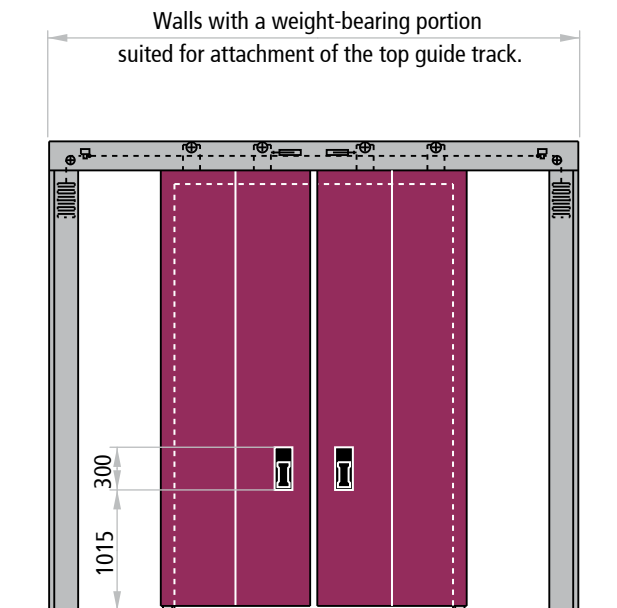
* larger sizes on request

Operating mode

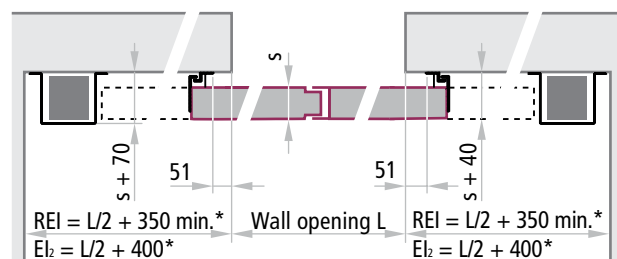
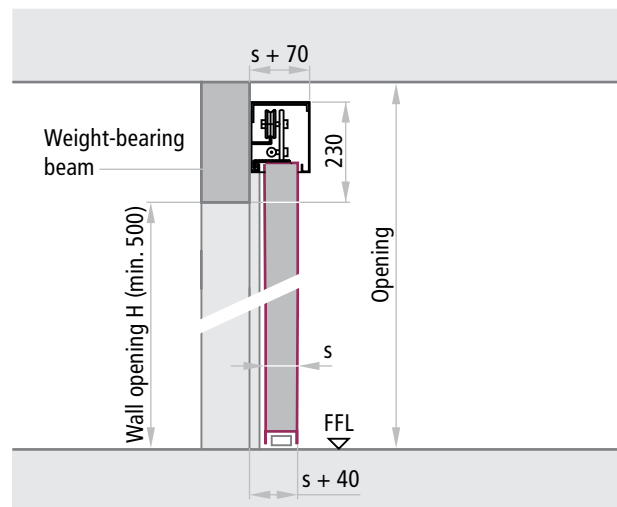
Of the gate series with thermal fuse: the leaves stand still at any position. The counterweights remain hooked to the related thermal fuse and only close the gate when the fuse fails.

NOTE

Additional accessories are usually dependent on the dimensions of the gates



NB: Guide track gradient of 2 mm/running meter
Also executable with unequal leaves



*Variable dimensions for larger-sized gates

Thicknesses and weights

class	leaf thickness	weight/wall opening
El ₂ 60, REI 120	s = 80 mm	approx. 50 kg/m ²
El ₂ 90	s = 80 mm	approx. 55 kg/m ²
El ₂ 120	s = 100 mm	approx. 60 kg/m ²

Operating mode

Sliding gates

OPERATING MODE OF SLIDING FIRE GATES WITH ONE OR TWO LEAVES

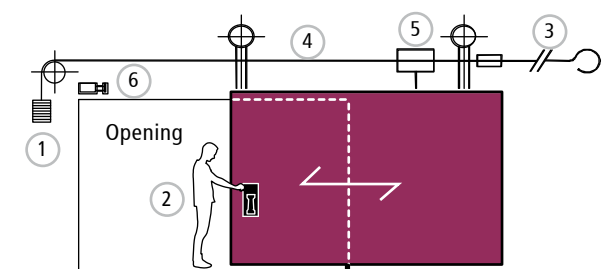
The selection of the holding system should reflect the customer's worksite needs and the anti-fire project.

Operating mode of gates equipped with thermal fuse:

The counterweight (1) does not load the gate and the operator (2) manually opens and closes the gates, which remains in the position it is left in. When the thermal fuse (3) is subjected to temperatures greater than 70° C, it breaks and causes the cable (4) to be released, so that the counterweight drags the gates to the closed position. The feed speed brake (5) prevents the gates from accelerating during closure. The feed-in impact absorber (6) softens the final feed-in impact of the closure.

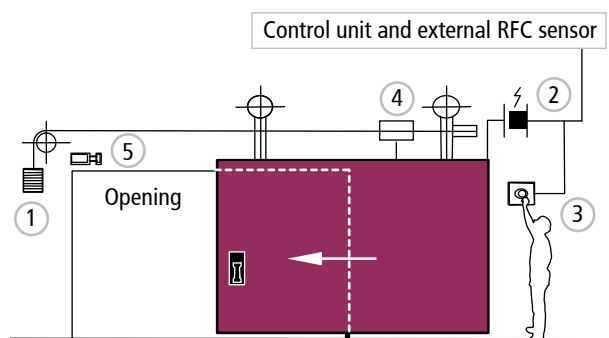
Operating mode of gates equipped with electromagnet:

The counterweight (1) continuously loads the gate. The gate usually remains open, held in place by the electromagnet (2). The counterweight closes the gate whenever the electromagnet lacks impulse current from the control unit or when the release button (3) is pressed. The feed speed brake (4) prevents the gate from accelerating during closure. The feed-in impact absorber (5) softens the final feed-in impact of the closure. The electromagnet must be connected with a power control unit and the related external smoke and heat detectors.



NOTE

The thermal fuse is only triggered when the temperature in the immediate vicinity rises above 70° C, and it does not respond to smoke. Its application, therefore, is not advisable when the gates are located outside the compartmentalization space and when a reaction to cold smoke is required.

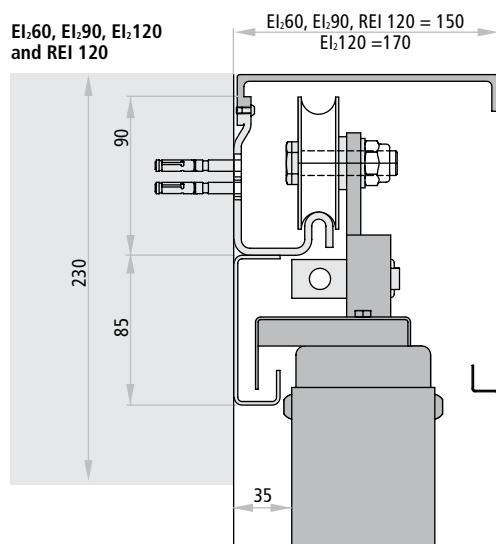


NOTE

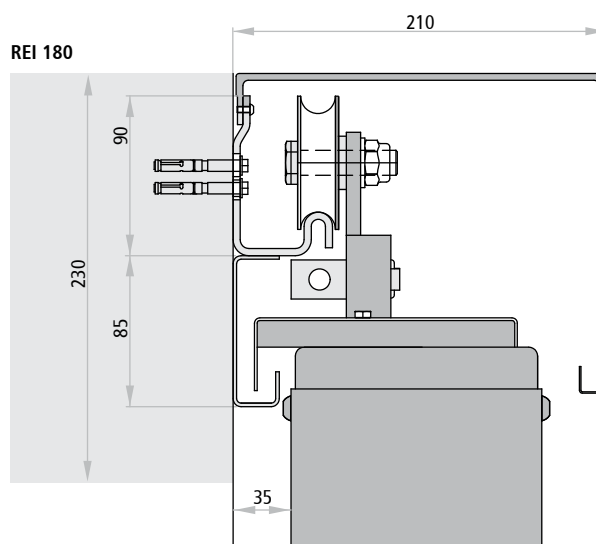
The gate closes on impulse from a control unit controlled by an external RFC detector, thus permitting automatic closure at temperatures lower than 70° C as well in the presence of cold smoke. This means that the gate can be installed in any position, even outside the compartmentalization space.

TOP GUIDE TRACK

Detail of the upper guide track for one and two-leaved sliding gates. The heights refer to wall openings which are



perfectly vertically aligned, installed properly and the values of the drawing should be considered approximate.



Optional accessories

Sliding gates

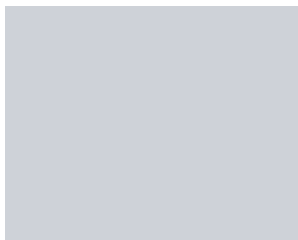
PAINTING

With ecologically formulated anti-corrosive epoxide primer. Minimum resistance to salt fog exposure: 300 hours (A.S.T.M. B - 117 - 61). Basic anti-corrosion coating: Light turquoise pastel.

Group 01 (Basic anti-corrosion coating only):

Light turquoise pastel
(similar to NCS4020-B50G)

RAL
7035



Group 02 (Basic anti-corrosion coating + satin topcoat finishing):

RAL 1001	RAL 1013	RAL 1015	RAL 3000	RAL 3003	RAL 3020	RAL 5010	RAL 5012
RAL 5015	RAL 5024	RAL 6000	RAL 6005	RAL 7001	RAL 7004	RAL 7011	RAL 7016
RAL 7024	RAL 7030	RAL 7032	RAL 7035	RAL 7037	RAL 7038	RAL 7040	RAL 7042
RAL 7047	RAL 8011	RAL 8017	RAL 8019	RAL 9001	RAL 9002	RAL 9005	RAL 9010
RAL 9011	RAL 9016	RAL 9018					

In general, all RAL colours are useable except for: RAL 1018 and RAL 5005

PRECAUTIONS

Installation

In case of exterior installation of the gates, in addition to use special paints which are especially designed for this kind of application (on request), in order to avoid any product degradation, it is important to:

- protect the gates from bad weather and water seeping in;
- avoid direct sun rays and the subsequent warping of the gate leaf, especially in case of darker colors.

For more details, refer to the "Notices" section of this brochure.

Cleaning

Water and neutral soap are recommended for the regular cleaning of our products. Do not use common cleaning products (see detergents) and/or other solvents. We shall not be held responsible for any problems that arise if these guidelines are not respected.



Group 03 (Basic anti-corrosion coating + satin topcoat finishing):

RAL 1004	RAL 1005	RAL 1006	RAL 1007	RAL 9006*	RAL 9007*
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*Pre-approval of the sample is required.

Group 04 (Basic anti-corrosion coating + satin topcoat finishing):

RAL 1003	RAL 1012	RAL 1016	RAL 1021	RAL 1023	RAL 5002
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Group 05 (Basic anti-corrosion coating only):

Basic anti-corrosion coating is available for all colors listed in group 02.

Re-painting

For re-painting, use the following procedure:

- sand and carefully wipe away any dust from the surfaces
- apply a base coat of semi-gloss acrylic (we recommend the product ACRILFIN SL series 567 made by ELCROM - Italy + 20% by weight aliphatic hardener series E872003)
- repaint the surfaces with your choice of lacquers or paints.

Retouching

On request, Ninz also provides touch-up paint (nitro/synthetic) in 1,00 kg cans in the necessary RAL colour.

Mandatory accessories

Sliding gates

PULLEY TACKLES FOR SELF-CLOSURE

Pulley tackles serve to ensure the full self-closure of sliding gates which are wider than they are tall.

Maximum width WITHOUT TACKLES: $(H-800) \times 2$

Normal pulley tackles

2 pulleys and standard counterweight box:

- for gates wider than $(\text{height } H - 800) \times 2$ and shorter than $(\text{height } H - 800) \times 4$
- minimum space required on rebate side 250mm
- for dislocated counterweight: required space on the opening side $L + 400\text{mm}$

Special pulley tackles

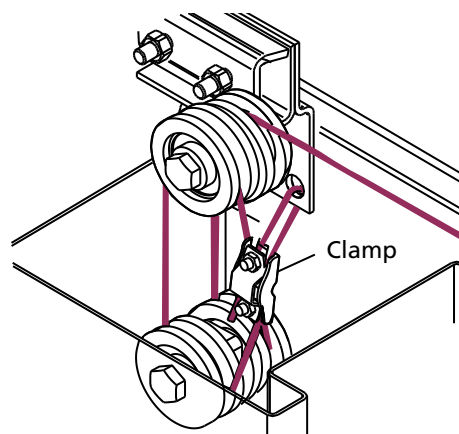
2 pulleys and augmented counterweight box:

- for gates wider than $(\text{height } H - 800) \times 4$ and shorter than $(\text{height } H - 1150) \times 6$
- minimum space required on rebate side 350mm
- for dislocated counterweight: required space on the opening side $L + 500\text{mm}$

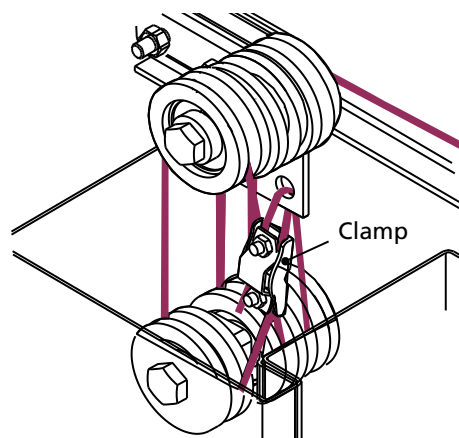
R pulley tackles

3 pulleys and larger counterweight box:

- for gates wider than $(\text{height } H - 1150) \times 6$ and shorter than $L=7000\text{mm}$
- minimum space required on rebate side 350mm
- for dislocated counterweight: required space on the opening side $L + 500\text{mm}$



Normal/special pulley tackles



R pulley tackles

VT - VISCOTROLER[®]

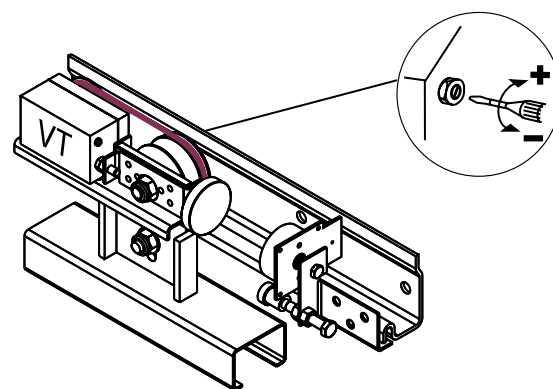
ACCIDENT PREVENTION DEVICE

Gates should always be equipped with an automatic device that controls the feed speed of the door during automatic closing.

After the critical moment when automated re-closure has been initiated, door speed increases progressively in proportion to opening time and door weight. During emergency situations, the energy that develops could cause serious injury/damage to people or objects within its range of motion. The hydraulic V.T. VISCOTROLLER[®] rotor makes it possible to set a constant closing speed in the range of 0,05 to 0,25m/sec.

ATTENTION

For purposes of accident prevention, gates should always be equipped with a feed-in brake to regulate closing speed. Customers who choose not to include the feed-in brake assume full responsibility for possible consequences.

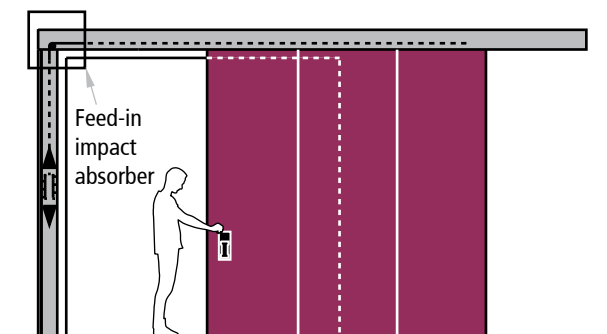
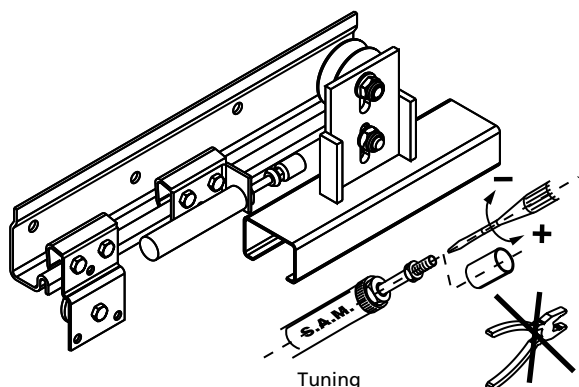


Mandatory and optional accessories

Sliding gates

FEED-IN IMPACT ABSORBER

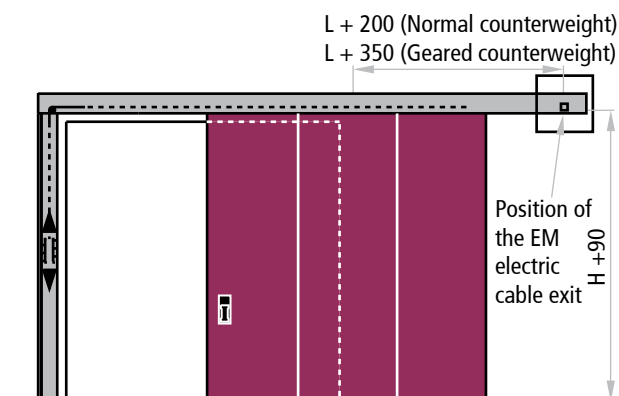
Mandatory accessory for one- and two-leaved sliding gates. Compression energy on the shaft is absorbed by slowing the flow of a fluid by means of an adjustable limiter valve. The shock absorber of the shaft is re-armed when the gate is re-opened.



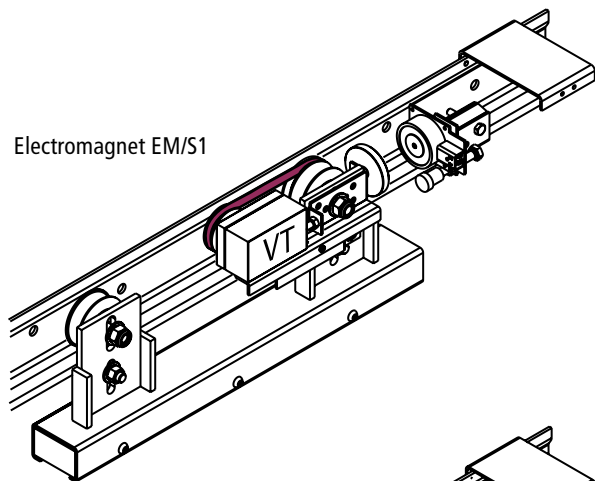
ATTENTION
be careful not to damage the impact absorber shaft

ELECTROMAGNETS

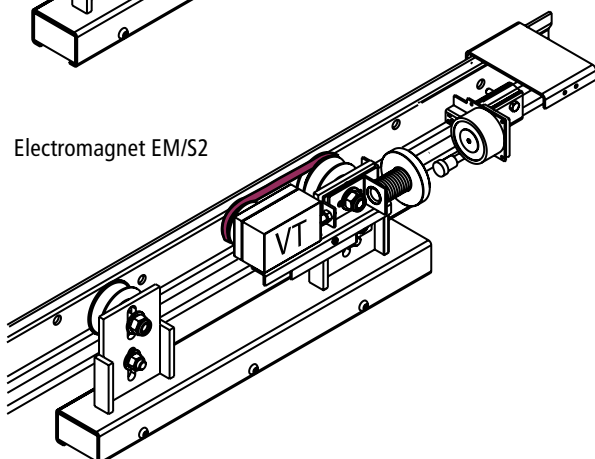
Gates operating mode with electromagnets (on request): the gate is usually left open. The counterweight is always hooked to the leaf and closure occurs whenever the electric current to the electromagnet is interrupted. For smoke/heat detection systems, control unit and power supply, see the dedicated page in the accessories doors section of the present brochure.



Electromagnet EM/S1



Electromagnet EM/S2



Technical data for the EM/S1 electromagnet for leaf up to 12 m² of wall opening

power supply	24 V DC \pm 15%
nominal power	2,1 W
nominal current	89 mA
insertion duration	100%
force	800 N at 24 V
operational temperature	-5°C \div +35°C
magnetic residue	< 1 N

Technical data for the EM/S2 electromagnet for leaf >12 <30 m² of wall opening

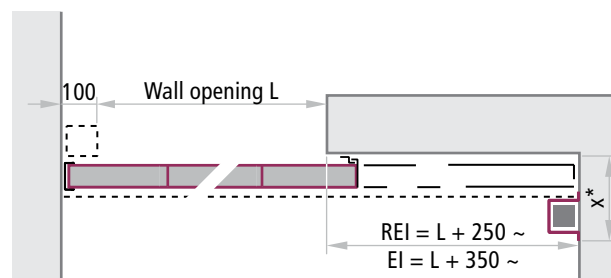
power supply	24 V DC \pm 15%
nominal power	1,5 W
nominal current	62,5 mA
insertion duration	100%
force	1372 N at 24 V
operational temperature	-5°C \div +35°C
current of the magnetic residue	> 2,4 V DC
protection rating	IP65

CE marked in conformity with STANDARD EN 1155. For gates with area $\geq 30\text{m}^2$ of wall opening, the electromagnets will be EM/S3 type with different sizes and technical data.

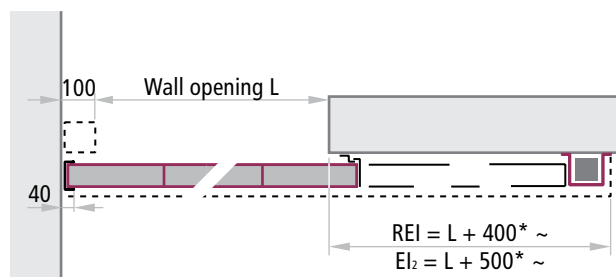
COUNTERWEIGHTS

In case of space limitations on the rebate side, on request sliding gates may also be supplied with counterweights in offset and/or dislocated position.

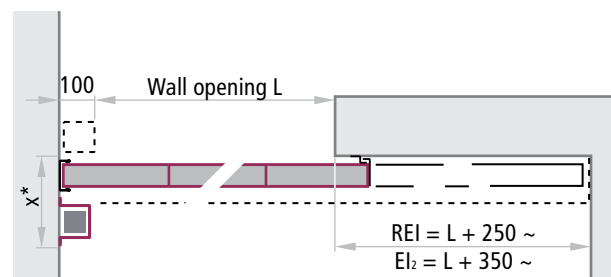
A 100 mm overlap of the leaf must be ensured regardless. While ordering, please specify whether the rebate is NORMAL or SPECIAL.



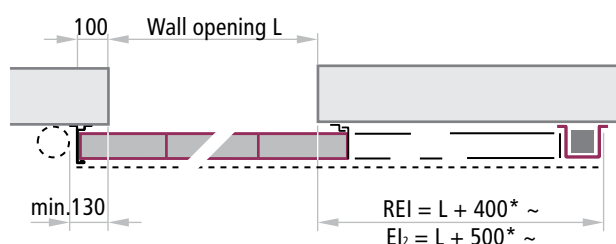
Counterweight version in offset position and dislocated
x=330 (EI₂60, EI₂90, REI 120), x=350 (EI₂120), x=390 (REI 180)



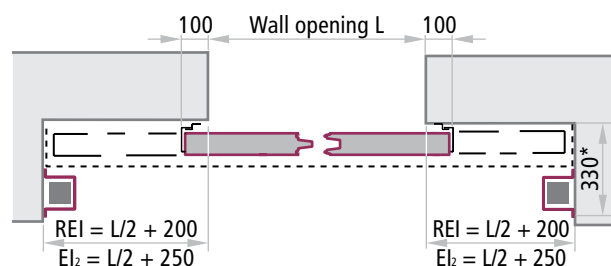
Counterweight version dislocated and with normal rebate



Counterweight version in offset position
x=330 (EI₂60, EI₂90, REI 120), x=350 (EI₂120), x=390 (REI 180)

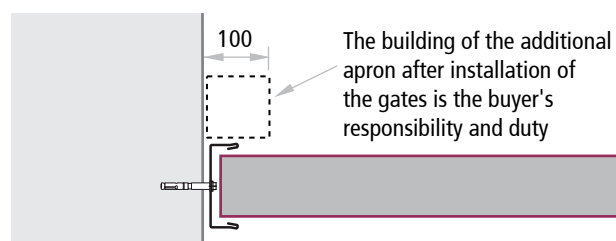


Counterweight version dislocated and with special rebate

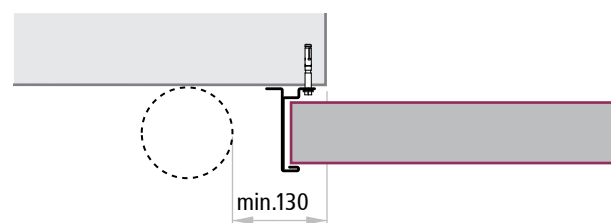


Counterweights version in offset position for two-leaved gates

NORMAL/SPECIAL REBATE



Normal rebate in the presence of a 90° wall



Special rebate in the absence of a 90° wall or any obstacles

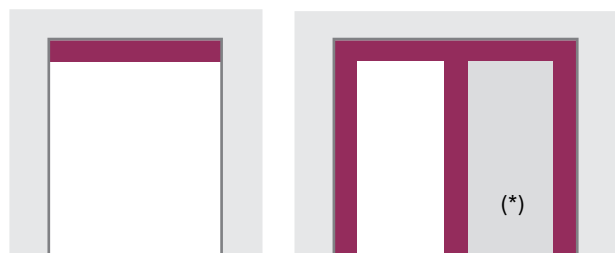
*Variable dimensions for larger-sized gates.

Optional accessories

Sliding gates

CROSS BEAM AND WEIGHT-BEARING STRUCTURE

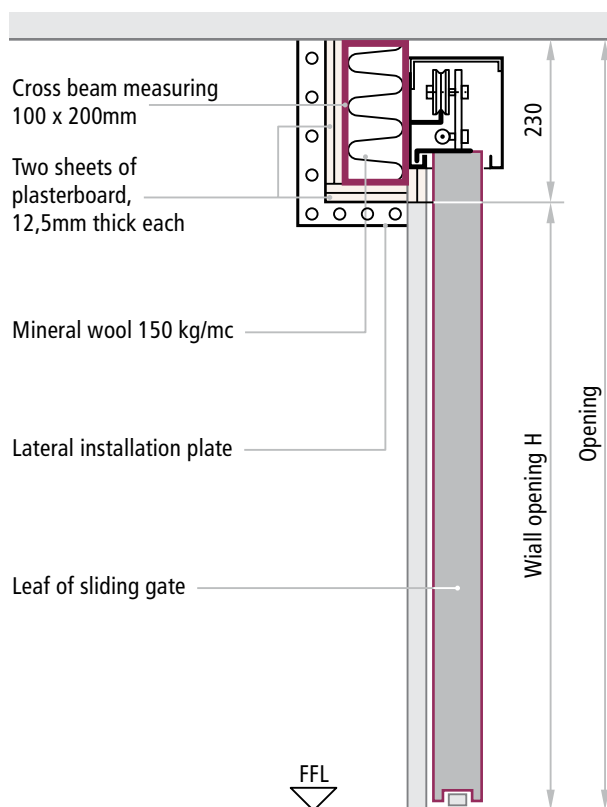
Cross beam made of 100 x 200 mm insulated steel profiles for REI 120 and EI₂120 one- or two-leaved sliding gates only. Covering/finishing of the beam with 2 sheets of 12.5 mm plasterboard is the customer's responsibility.



Cross beam

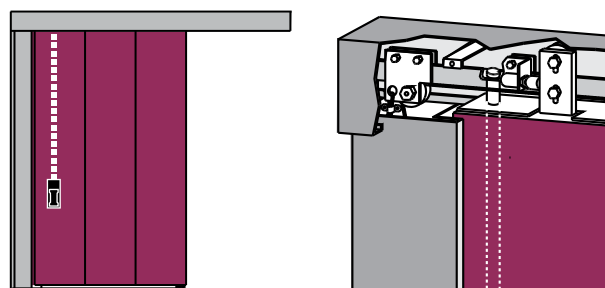
Example of weight-bearing structure: static calculation of the structure is the customer's responsibility

(*) These profiles may also be used for the construction of a weight-bearing structure. Spaces between the various profiles outside of the span may be closed with any REI 120 or EI₂120 wall type (plasterboard, panels, etc.)



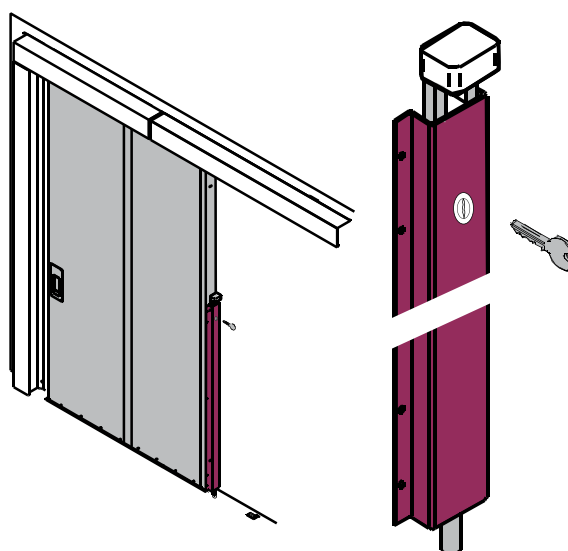
INTERNAL NIGHT LOCK

On request, Sliding gates may be equipped with night locks with cylinders to pass. Utilization of this type of mechanism with gates should be indicated while ordering.



EXTERNAL NIGHT LOCK

The presence of external night lock on gates need not necessarily be indicated during the ordering phase, and is only useable from the side illustrated in the drawing.

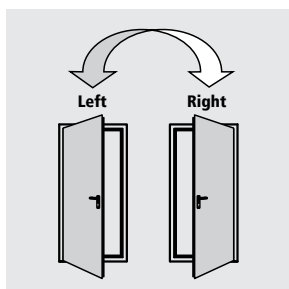


Pedestrian door

Sliding gates

PEDESTRIAN DOOR

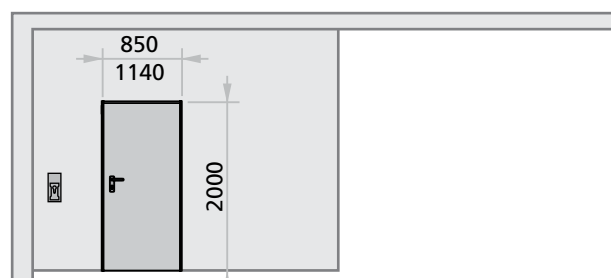
REI 120 sliding gates, with one or two leaves, may be equipped with a pedestrian door with or without a lower threshold. Pedestrian doors with thresholds and panic bars are not suitable for escape routes. The right or left opening direction should be specified by the customer during the ordering phase. By default pedestrian doors are inserted in the second panel, which is next to the panel with the handle. For additional information about the SLASH panic exit device, please see the dedicated pages in the panic bars section of the present brochure.



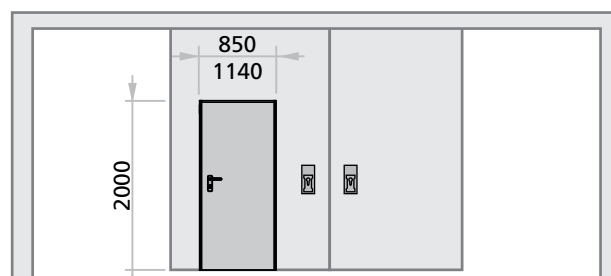
Opening direction



SLASH panic bar



One-leaved gates with pedestrian door without threshold



Two-leaved gates with pedestrian door without threshold

Minimum gate dimensions required for insertion of pedestrian doors with or without threshold

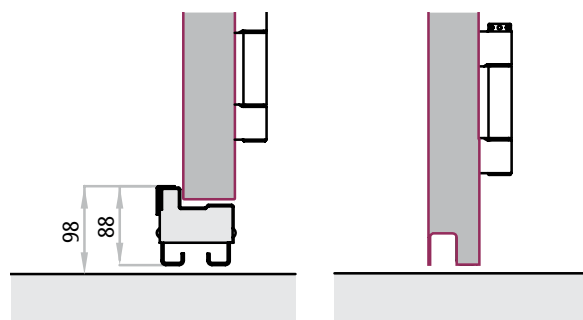
Pedestrian door net passage	minimum FM dimensions	
	1-leaved sliding gate	2-leaved sliding gate
width	850	2800
height	1140	2000
height with threshold	2090	2200*/2250**
height without threshold	2000	2200

* opening on side opposite the wall

** opening on wall side

(please see the drawings on the opposite page)

Pedestrian door with threshold: If the FM H height lower to the measures listed, the height of the pedestrian door is reduced



With lower threshold

Without lower threshold

ATTENTION

The threshold version of the pedestrian door with a panic bar is not suited for escape routes.

VERTICAL AND HORIZONTAL SHIMMING

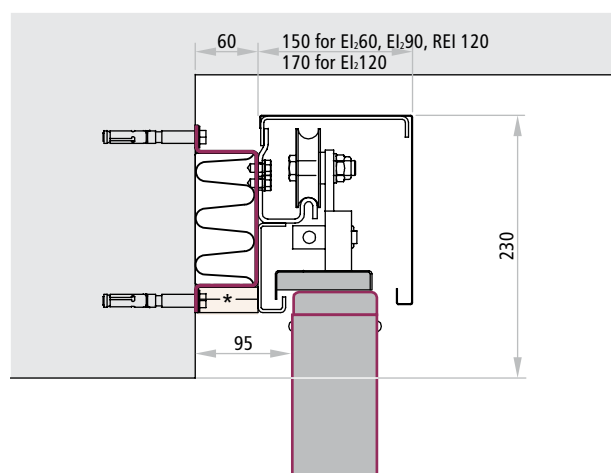
Mandatory for gates with pedestrian doors equipped with panic bars and/or pedestrian doors towards the wall side. The counterweight box and the sliding leaf labyrinths are increased by 60 mm.

NOTE

For two-leaved sliding doors, vertical shimming should be calculated for both leaves. Shimming needs to be ordered separately.

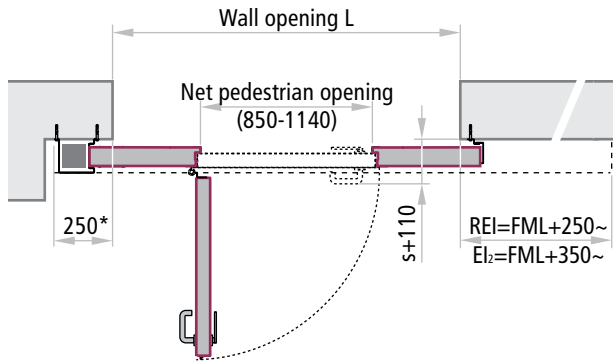
ATTENTION

*The plasterboard finishing (not included) should be installed on site after the guide track has been installed.



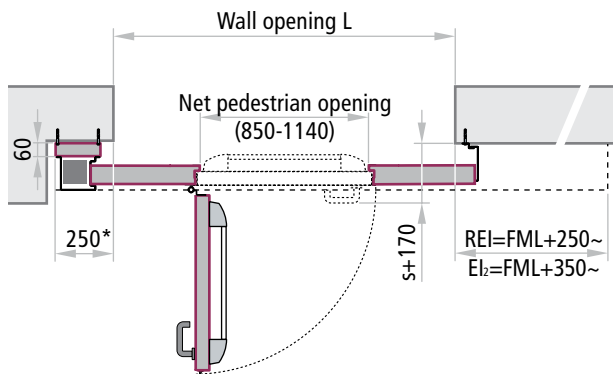
OPENING OF PEDESTRIAN DOOR TOWARDS THE OPPOSITE WALL WITH THE HANDLE

Horizontal and vertical shimming is not necessary.



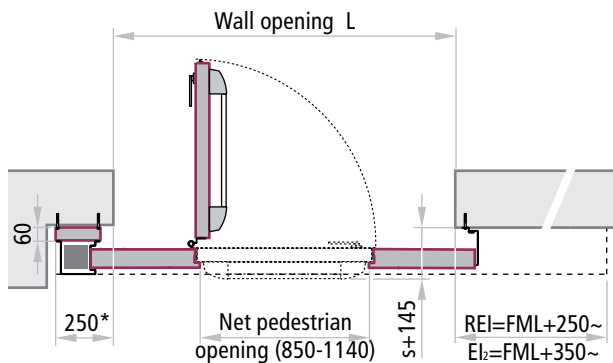
OPENING OF PEDESTRIAN DOOR TOWARDS THE OPPOSITE WALL WITH THE SLASH PANIC BAR

The horizontal and vertical shimming is mandatory.



OPENING OF PEDESTRIAN DOOR TOWARDS THE SAME WALL WITH THE SLASH PANIC EXIT DEVICE

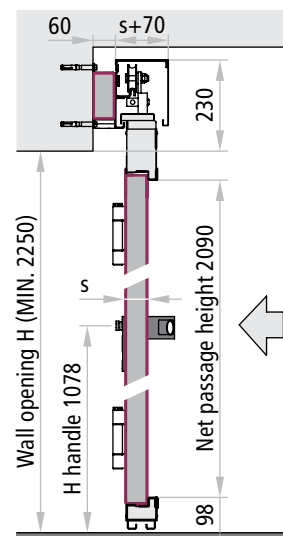
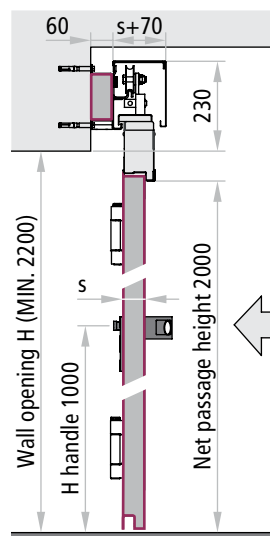
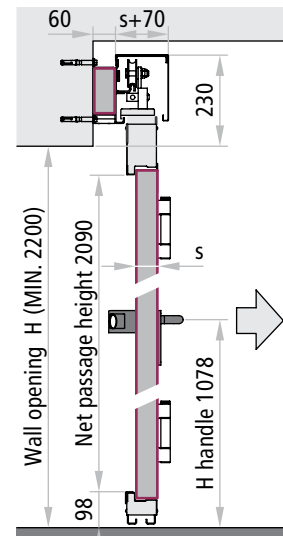
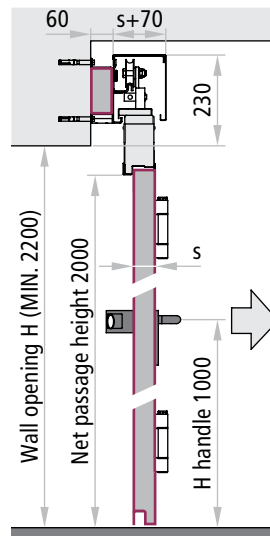
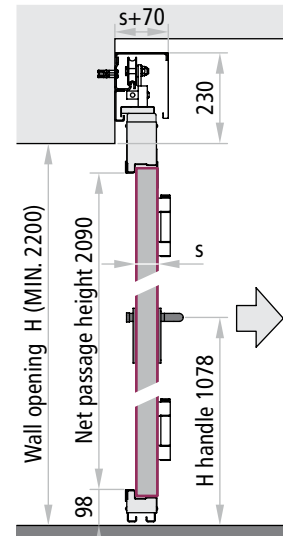
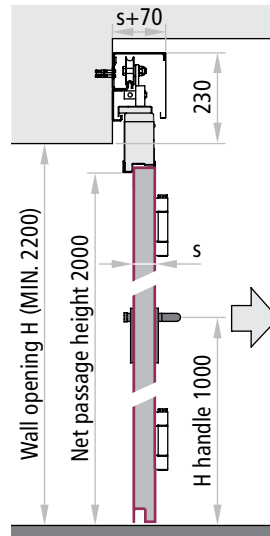
The horizontal and vertical shimming is mandatory.



*Variable dimensions for larger-sized gates.

NOTE

In case of pedestrian door with threshold and FM H height lower to the measures listed, the height of the pedestrian door is reduced



Thicknesses

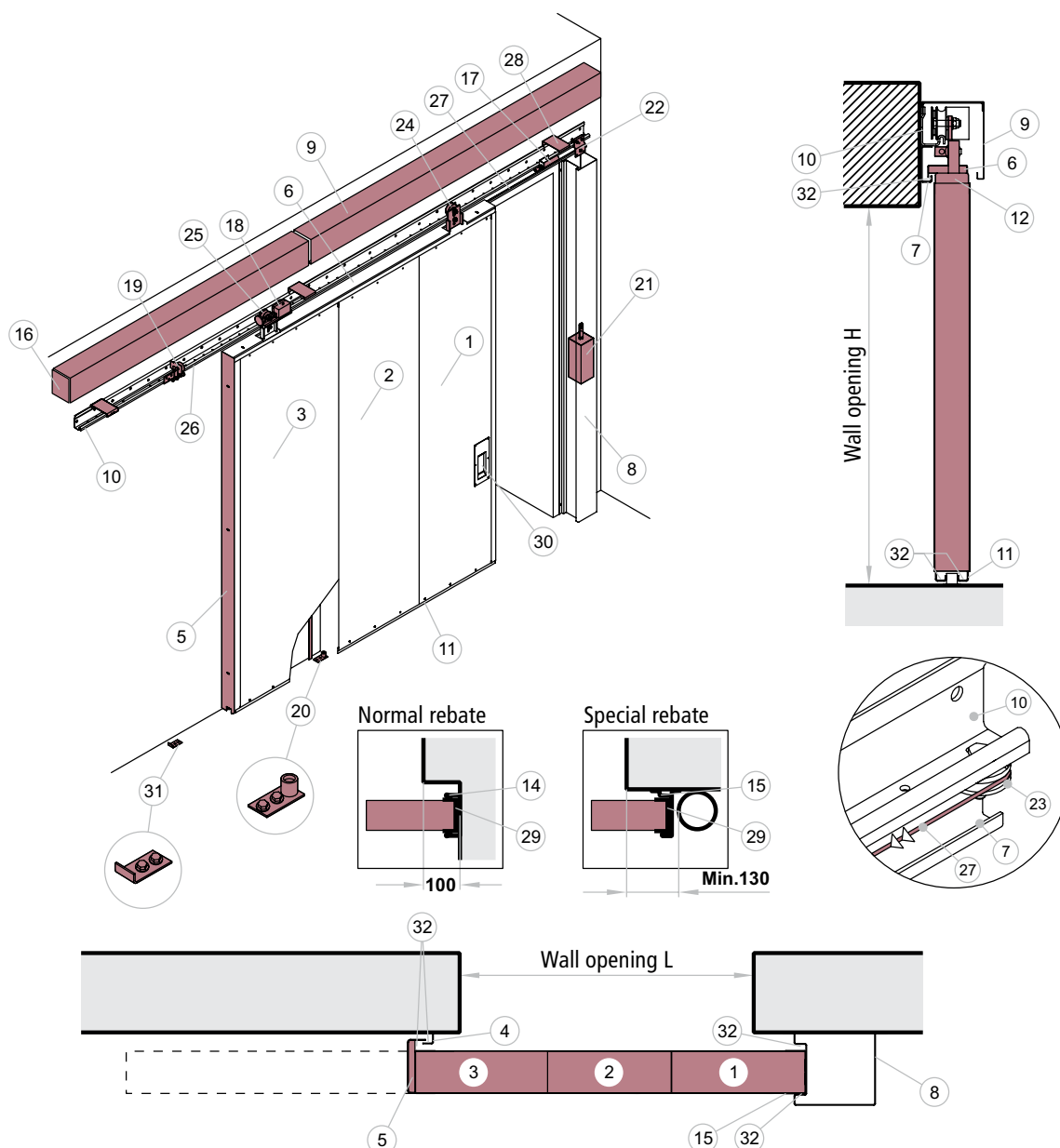
s = 80 mm for Elz:60, Elz:90, REI 120; s = 100 mm for Elz:120

Legend of components

Sliding gates

SLIDING GATES WITH ONE LEAF

1. panel with handle
2. intermediate panel
3. final panel
4. Z overlapping labyrinth (wall)
5. vertical L overlapping labyrinth (leaf end)
6. horizontal L overlapping labyrinth (upper leaf)
7. horizontal overlapping labyrinth underneath the guide track
8. counterweight box
9. guide track box
10. sliding guide track
11. lower tube
12. upper tube
14. rebate profile for NORMAL dislocated counterweight
15. rebate profile for SPECIAL dislocated counterweight
16. pair of lateral caps
17. feed-in impact absorber SAM
18. VT braking device (brake line belt device)
19. thermal fuse or electromagnet
20. floor-mounted guide track
21. counterweight plate 105/125/205x105 mm
22. return pulley standard diam. 60 mm
23. counterweight return pulley dislocated diam. 50 mm
24. normal carriage diam. 75 mm
25. double-grooved carriage for VT diam. 75 mm
26. cable clamp
27. cable
28. guide-cover support
29. rebate sealing, 100 mm width for EI₂60, EI₂90 and REI 120; 120 mm width for EI₂120; 160 mm width for REI 180
30. recessed pair of handles
31. end of guiding track profile
32. FC thermo-expanding sealing, 19 mm width

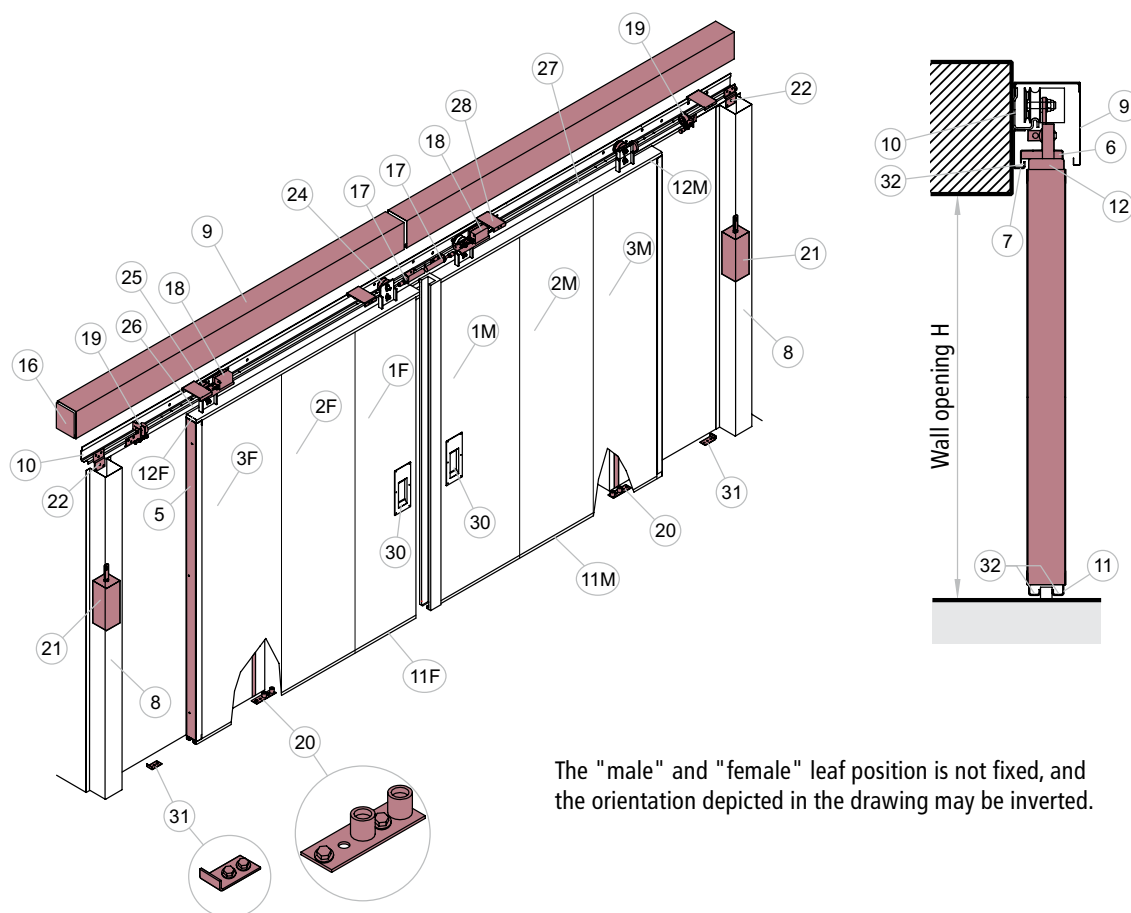


Legend of components

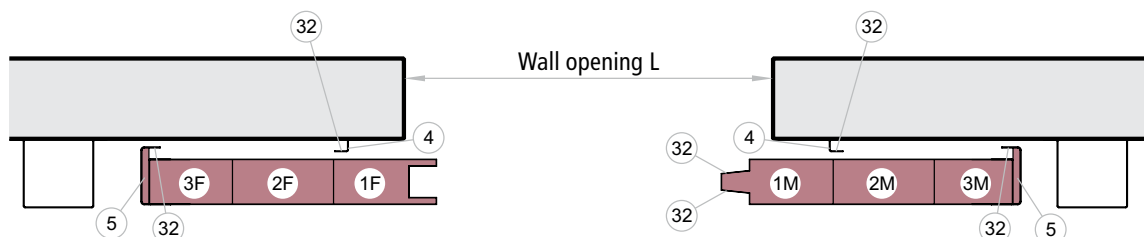
Sliding gates

SLIDING GATES WITH TWO LEAVES

- | | |
|---|--|
| 1F. panel with handle, female leaf | 12M. upper tube for male leaf |
| 1M. panel with handle, male leaf | 16. pair of lateral caps |
| 2F. intermediate panel, female leaf | 17. feed-in impact absorber SAM |
| 2M. intermediate panel, male leaf | 18. VT braking device (brake line belt device) |
| 3F. final panel, female leaf | 19. thermal fuse or electromagnet |
| 3M. final panel, male leaf | 20. floor-mounted guide track |
| 4. Z overlapping labyrinth (wall) | 21. counterweight plate 105/125/205x105 mm |
| 5. vertical L overlapping labyrinth (leaf end) | 22. return pulley standard diam. 60 mm |
| 6. horizontal overlapping L labyrinth (upper leaf) | 24. normal carriage diam. 75 mm |
| 7. horizontal overlapping labyrinth beneath the guide | 25. double-grooved carriage for VT diam. 75 mm |
| 8. counterweight box | 26. cable clamp |
| 9. guide cover | 27. cable |
| 10. sliding guide track | 28. guide-cover support |
| 11F. lower tube for female leaf | 30. recessed pair of handles |
| 11M. lower tube for male leaf | 31. end of guiding track profile |
| 12F. upper tube for female leaf | 32. FC thermo-expanding sealing, 19 mm width |



The "male" and "female" leaf position is not fixed, and the orientation depicted in the drawing may be inverted.



C2 MONO-ZONE CENTRAL UNIT

Certified in accordance with EN 54-2 and EN 54-4 standards. The central unit designed and built in conformity with UNI EN 54 standards, which regulate unit for fire alarms and related accessories which each must conform with EN 54 standards.

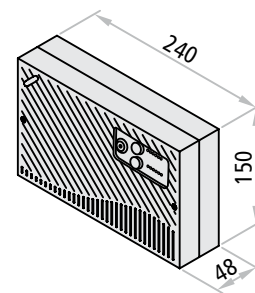
To use for the management of the door-holding electromagnets for fire-rated closures. Control all outputs towards the heat and smoke detectors, the alarm activation/reset buttons, the external siren and the charge of buffer batteries. Any breakdown or malfunction is signaled by LED on the front panel, and by internal acoustic signal for specific cases. There are three ways to reset alarm or breakdown signal: by a button located near the central unit, or by two other buttons of the front panel, one of which can be activated with key only.

Technical data

model	52002
primary power supply	230V AC, 100mA, 50-60Hz
auxiliary power supply	2 batteries, 12V DC - 1,1 ÷ 1,3 Ah
„I“ current	min. 264mA ÷ max. 424mA
maximum output current battery	300mA
buffer battery charger output	24V DC (27.6V DC)
protection rating	IP30
operational temperature	-5°C ÷ +40°C
operational zones	single zone (mono-zone)
acoustic alarm	internal buzzer
"low battery" signal	intermittent internal buzzer
CE certification	0051-CPD-0264
conformity with standards	EN 54-2 + A1:2006 EN 54-4:1997 + A1:2002 + A1:2006

BUFFER BATTERIES

Pair of rechargeable buffer batteries, 12V DC - 1.2Ah



ATTENTION

According to standard EN 54-4, it is obligatory for the mono-zone central unit to be equipped with:

- Nr. 1 heat/smoke detector RFC certif. EN 54-7
- Nr. 1 pair of buffer batteries
- Nr. 1 external electronic siren certif. EN 54-3
- Nr. 1 alarm activation button certif. EN 54/11
- Nr. 1 fire/failure alarm deactivation button

MANAGES

- max. Nr. 5 RFC heat/smoke detectors
- max. Nr. 5 alarm activation buttons
- max. Nr. 2 electronic sirens
- Nr. 4 EM or EMP or EMr electromagnets
- Nr. 2 buffer batteries

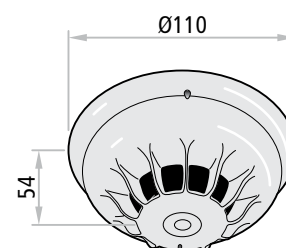


RFC HEAT AND SMOKE DETECTOR

Certified in accordance with EN 54-7 standard.
RFC heat and smoke detector characterized by white ABS casing. Optical/thermic operation with intervention temperature to be set between 54 and 65°C. To ensure proper functioning, the detectors must be subjected to regular 6-month maintenance checks. Please note that it is inadvisable to position the sensor where strong air currents are present.

Technical data

operational voltage	11 ÷ 33V DC, typically 24V DC
consumption at rest, at 24V DC	67µA
absorption of alarm at 24V DC	45mA
operational temperature	-20°C ÷ +70°C
conformity with standards	EN 54-7

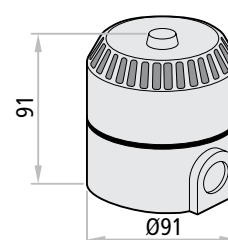


ELECTRONIC SIREN

In red color ABS, includes a volume control function for installation in internal and external environments. The connection is made using double clamps (6) for branching. With 28 or 32 selectable tones and a second tone for two-phase alarms.

Technical data

power supply	9 ÷ 28V DC
absorption by alarm at 12V DC	8mA
absorption by alarm at 24V DC	16mA
protection rating	IP65
operational temperature	-25°C ÷ +70°C
conformity with standard	EN 54-3

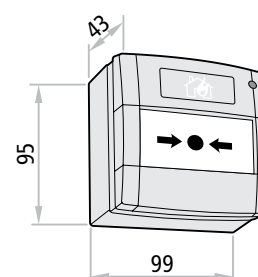


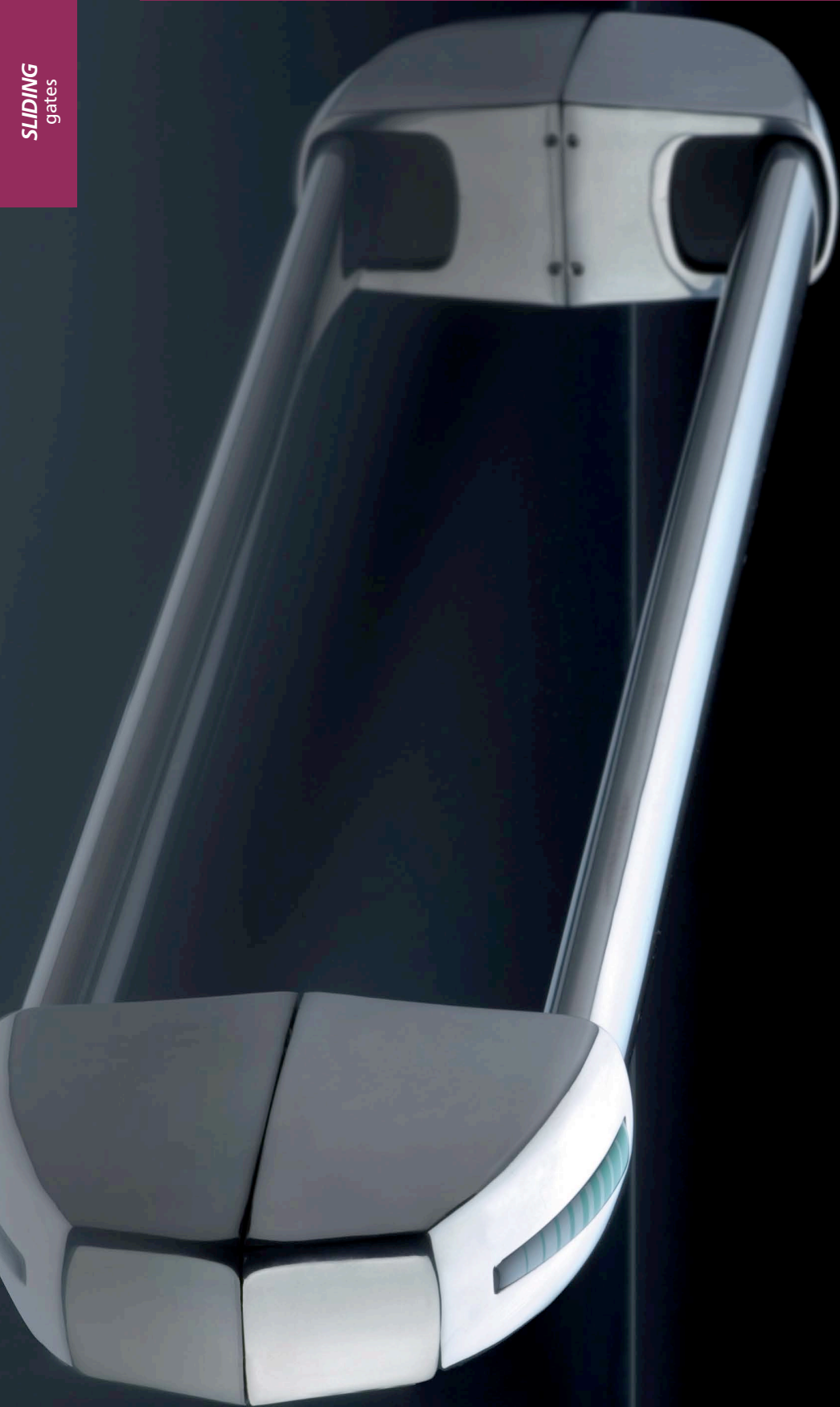
ALARM ACTIVATION BUTTON

In red color ABS with a weight of 110 gr. Pressure on the plastic front plate activates the electrical contact. Re-arming of the contact is executed manually using a key (provided).

Technical data

power supply	max. 30V DC
protection rating	IP41
operational temperature	max. +65°C
internal exchange contact	n.o./n.c.
conformity with standard	EN 54-11





PRESENTATION

SLASH panic bars

Ninz S.p.A. is a leader in fire doors, and has once again reasserted itself as a visionary company with a strong identity created by its continuous research into the design and technology of its own products, such as the new line of SLASH panic bars.

All SLASH handles are **CE** marked and pre-certified according to European standard EN 1125:2008, which entered in effect January 01, 2010, to prescribe a series of substantial changes that further extend the requirements for maximum safety and ease of opening.

The KIT designed for your needs

When ordered separately from the door, the **SLASH** series of panic bars is provided in elegant and functional KITS packaged for presentation in the most appropriate distribution format.

Packaging in KITS ensures customers, installers and therefore the final users that they are receiving a complete anti-panic system with fully corresponding parts that are all **CE** certified.

Finishing

In addition to the **black PLASTIC** version combined with **anodized ALUMINUM** bars, new combinations include the **brushed STAINLESS STEEL** version and the **polished chromed ALUMINUM** version combined with the **anodized ALUMINUM** bar. Many other color and surface combinations are possible for equally aesthetic solutions.

Certifications and replacements

Given the importance of maintaining the entire system's **CE** conformity, special attention has been paid to replacement parts, which have been subjected to testing in accordance with the EN 1125:2008 standard due to their pivotal role in maintaining **CE** certification.

The only way to ensure that the products maintain their original characteristics over time is by using **original NINZ replacement parts**.

For this reason, the instructions for **SLASH** panic bars include additional indications regarding proper installation and maintenance plus a blow-up drawing that specifies every smallest detail of the certified system with all of the references required for ordering replacement parts.

With the expansion of the line and the new packaging of the SLASH panic bar, NINZ S.p.A. demonstrates its faith in market development by investing in designs and company image in order to endow its fire doors and the series of accessories with added value while continuing to maintain highly competitive quality-price ratios.



Black PLASTIC handle



Brushed STAINLESS STEEL handle

NOTE

By default external door furniture is provided with the same finishing as the panic bar.

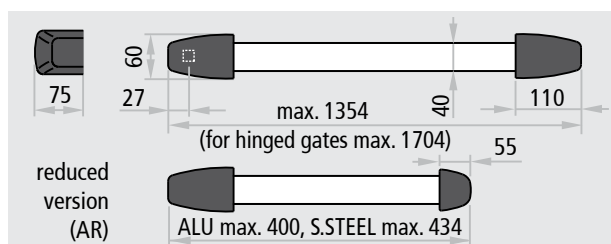
SLASH - Features, certifications

Panic bar

NINZ
FIREDOORS

FEATURES

- Panic bar that stands out from the others due to its particular design and the rounded shapes of the carters. This characteristic not only improves aesthetic appeal, but it also eliminates any risk of injury during use
- Available in different color and surface combinations, in brushed stainless steel for the cover carters and the bar, or with polished chromed aluminum carters and anodized aluminum bar, and then there is always the classic combination that is still in fashion - black plastic carters with anodized aluminum bar
- Certified for internal locks with a 65mm entrance for single leaves or active leaves, and with an 80mm entrance for inactive leaves
- Reversible for Right or Left mounting
- Protrusion 75mm
- Proposed together with the door or separately in a complete KIT packaged in a single black/orange box
- Label applied to the packaging to identify the product's characteristics
- Wide range of customizations: colored bar, colored or stainless steel handles, lock with access control mechanisms, special encrypted or mastered cylinders



CERTIFICATION

Suited for one-leaved doors or the active and inactive leaves of two-leaved doors with dimensions up to 1350x2880mm/leaf, mass up to 300kg/leaf.

CE	
Denomination	SLASH PANIC BAR
Manufacturer	Ninz S.p.A. Corso Trento, 2/A I-38061 ALA (TN)/ITALY
Year application trademark	08
Nr. and year of the standard	EN 1125:2008
Certifying body	0425
CE certificate Nr.	1308-CPD-2007
Classification	3 7 7 B 1 3 2 2 B A

- 1st Category of use very frequent
- 2nd Durability 200.000 cycles
- 3rd Door mass over 200 kg
- 4th Suitable for fire/smoke rated doors
- 5th Safety, suitable for evacuation routes
- 6th High corrosion resistance 96 h
- 7th Material safety 1000 N
- 8th Bar protrusion up to 100 mm
- 9th Activation type with touch bar
- 10th Suitable for one- or two-leaved doors



Also suited for doors with classifications up to:

EI₂120
 REI 120
 smoke resistant



ATTESTATO DI CONFORMITÀ DIRETTIVA 89/106/CEE CERTIFICATE OF CONFORMITY DIRECTIVE 89/106/CEE			
<small>Questo certificato è rilasciato in conformità a quanto prescritto dall'Art.8 par.2 lettera b) del DPR 21 aprile 1993, n°246 (Direttiva 89/106/CEE) ed attesta la conformità del prodotto di seguito identificato agli Art.1, Art.2 ed allegato A del DPR 21 aprile 1993, n°246 (Direttiva 89/106/CEE). This certificate has been issued in conformity to what prescribed by the Art.6 par.2 letter b) of the DPR 21/04/1993, n°246 (Directive 89/106/EEC) and certifies the conformity of the product described below to the Art.1, Art.2 and attachment A of DPR 21/04/1993, n°246 (Directive 89/106/EEC).</small>			
ATTESTATO N°	1308 - CPD - 2007	CERTIFICATE N°	
Organismo notificato	ICIM S.p.A. - Piazza Don Mapelli, 75 - 20099 Sesto San Giovanni (MI) ITALY	Notified Body	Identification number: 0425
Dati Fabbricante	NINZ S.p.A. Corso Trento, 2/A 38061 ALA (TN) ITALY	Manufacturer	Head office Operative unit
Dati prodotto Tipologia: DISPOSITIVI ANTIPANICO PER USCITE DI SICUREZZA AZIONATI MEDIANTE UNA BARRA ORIZZONTALE Denominazione: Dispositivo antipatico Modelli: "SLASH", "SLASH AR", "SLASH ALU", "SLASH ALU AR", "SLASH INOX", "SLASH INOX AR" art. AP18/18, SCA 1 3201001.019020, MAC 1 3201001.041042, 3201001.018, 405/55-0 Contro serratura antipatico: art. AP020P, AP020U, 3201001.6, 43190-95. Dispositivo superiore: art. 3105080, 3105024, 3305003. Riscontro asta: art. 2401006, 2401046, 2401044, 2401002. Boccola pavimento: art. 2401001, 2401007, 3105091, 2401020, 4419008. Deviatori: art. 4201010. Aste verticali: art. 3305015, 3305016, 3305002, 3305013, 990837. Risccontro serratura: art. 2401006, 2401005, 2401015, 2401014, 2401006, 2401035, 3412001. Comandi esterni: art. BM, BSP, BS, BMC, BC, B, A, BM inox, BM alu, BSP inox, BSP alu.		Product Type:	
Sistema di attestazione della conformità: 1 Norma di riferimento: EN1125:2008 Classificazione: 3 7 7 B 1 3 2 2 B A		Attestation of conformity: Standard Classification:	
Eventuali estensioni		Nessuna / None	
Eventuali condizioni di subordinazione della Certificazione CE		Nessuna / None	
Il presente attestato è valido esclusivamente per il prodotto indicato. Eventuali varianti da apportare devono essere approvate da ICIM S.p.A. The present issue is valid only for the product described above. Possible changes to be brought in have to be approved by ICIM S.p.A.			
Data di emissione First issue	Emissione corrente Current issue	Data di scadenza Expiring date	 ICIM S.p.A. Il Presidente Ing. Tullio Badino
31/05/2007	04/08/2010	30/05/2017	

SLASH IN BLACK PLASTIC

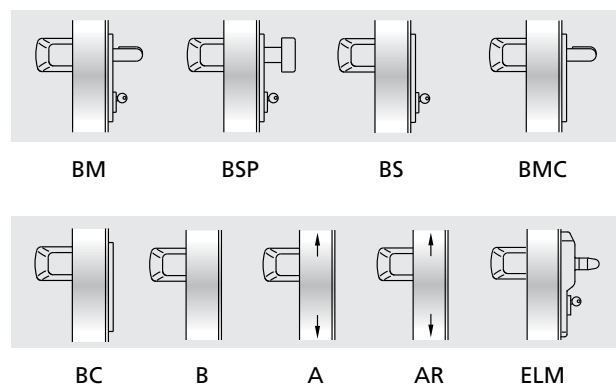


Description

The SLASH panic bar consists of an anodized aluminum horizontal bar and an internal connection tube that inserts into the mechanisms which activate the lock.

- Reversible for right or left opening
- For application to single leaf and two-leaved doors
- Suited for Rever/Univer/Proget doors and other types of panic exit doors
- The horizontal bar is made of extruded anodized aluminum with an elliptical cross-section measuring 40x20mm and a length of 1150mm, equipped with a connection tube
- The two mechanisms are made of galvanized steel with black plastic carter covers, one of which has a green label that identifies the lock side
- The lock is anti-panic/fire rated for Euro profile cylinders
- The door furnitures and the cover plates are made of black plastic, while the installation plate is made of galvanized steel

VERSIONS AVAILABLE



VARIATIONS ON REQUEST (see dedicated page)

- Aluminum bar painted in RAL colors
- External BM, BSP, BS, BMC and BC commands in brushed stainless steel
- External BM and BSP commands painted in RAL colors
- MAC1 panic lock with access control mode, combinable with BM versions
- Mastered or encoded cylinders
- Microswitch and cable sleeve for signaling when the door is open

SLASH (SUPPLIED WITH THE DOOR)

For single leaf or the active leaf of two-leaved doors:

Included (mounted on the door): the anti-panic lock with 65mm entrance and the strike box lock insert

Included (in the package): Nr. 2 mechanisms, Nr. 2 black plastic carter covers, Nr. 1 anodized aluminum bar with connection tube and spacer, Nr. 1 hole cover in RAL 9006 colored plastic with base plate (for REVER and UNIVER doors), Nr. 1 black plastic external door furniture, Nr. 1 half-cylinder with 3 keys, Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

Versions available: BM, BSP, BS, BMC, BC, B (for Proget doors only), ELM ELM electric handle: see the dedicated pages

For the inactive leaf of two-leaved doors:

Included (mounted on the door): anti-panic safety lock with 80mm entrance, the upper re-latch device, the upper strike plate and the vertical rods

Included (in the package): Nr. 2 mechanisms, Nr. 2 black plastic carter covers, Nr. 1 anodized aluminum bar with connection tube and spacer, Nr. 1 floor-mounted floor catch, Nr. 1 carrier arm (for fire doors only), Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

Versions available: A, AR (reduced) for inactive leaves with FM L2 width ≤ 500mm

SLASH KIT

(SUPPLIED SEPARATELY FROM THE DOOR)

KIT for single leaf or the active leaf of two-leaved doors:

Please specify leaf thickness and door type - REVER, UNIVER or PROGET - in the order

KIT contents: Nr. 1 anti-panic lock with 65mm entrance, Nr. 1 strike box lock insert, Nr. 2 mechanisms, Nr. 2 black plastic carter covers, Nr. 1 anodized aluminum bar with connection tube and spacer, Nr. 1 hole cover in RAL 9006 colored plastic with base plate, Nr. 1 black plastic external door furniture, Nr. 1 half-cylinder with 3 keys, Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

Versions available: BM, BSP, BS, BMC, BC

KIT for the inactive leaf of two-leaved doors, suited for REVER, UNIVER and PROGET fire and multipurpose doors (produced after 01.01.2005):

KIT contents: Nr. 1 anti-panic safety lock with 80mm entrance, Nr. 2 mechanisms, Nr. 2 black plastic carter covers, Nr. 1 anodized aluminum bar with connection tube and spacer, Nr. 1 upper re-latch device, Nr. 1 floor-mounted floor catch, Nr. 1 carrier arm (excluding REVER and UNIVER MULTIPURPOSE), Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

Versions available: A, AR (reduced) for use with inactive leaves with FM L2 width ≤ 500mm

KIT for the inactive leaf of two-leaved doors and suited for other types of multipurpose doors and for substitution of non CE marked panic bars (PROGET doors):

KIT contents: Nr. 1 anti-panic safety lock with 80mm entrance, Nr. 2 mechanisms, Nr. 2 black plastic carter covers, Nr. 1 anodized aluminum bar with connection tube and spacer, Nr. 1 upper re-latch device, Nr. 1 upper strike plate, vertical rods, Nr. 1 floor-mounted floor catch, Nr. 1 carrier arm, Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

Versions available: A, AR (reduced) for use with inactive leaves with FM L2 width ≤ 500mm

SLASH IN STAINLESS STEEL

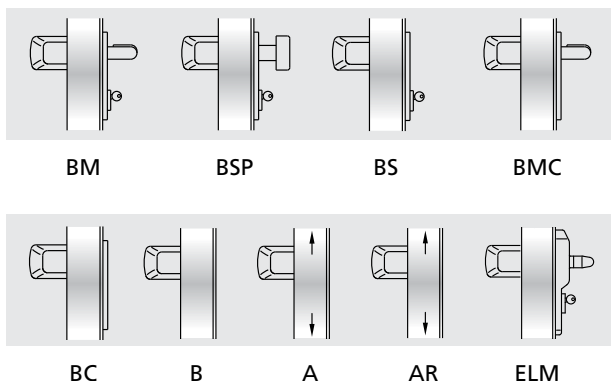


Description

The SLASH STAINLESS STEEL panic bar consists of a stainless steel horizontal bar and an internal connection tube that inserts into the mechanisms which activate the lock.

- Optimal corrosion and shock resistance
- State of the art aesthetics
- Secure attachment of carter covers
- Reversible for right or left opening
- For application to single leaf and two-leaved doors
- Suited for Rever/Univer/Proget doors and other types of panic exit doors
- The horizontal bar is made of AISI 304 brushed stainless steel with a 40x20mm elliptical cross-section and a length of 1150mm, equipped with a connection tube
- The two mechanisms are made of galvanized steel with AISI 304 stainless steel cover plates, one of which has a green label that identifies the lock side
- The lock is anti-panic/fire rated for Euro profile cylinders
- The external door furnitures and related cover plates are made of AISI 304 brushed stainless steel, while the installation plate is made of galvanized steel

VERSIONS AVAILABLE



VARIATIONS ON REQUEST (see dedicated page)

- MAC1 panic lock with access control system, combinable with BM versions
- Mastered or coded cylinders
- Microswitch and cable sleeve for signaling when the door is open

SLASH STAINLESS STEEL (SUPPLIED WITH THE DOOR)

For single leaf or the active leaf of two-leaved doors:

Included (mounted on the door): the anti-panic lock with 65mm entrance and the strike box lock insert

Included (in the package): Nr. 2 mechanisms, Nr. 2 stainless steel carter covers, Nr. 1 stainless steel bar with connection tube and spacer, Nr. 1 hole cover in black-colored plastic with base plate (for REVER and UNIVER doors), Nr. 1 stainless steel external door furniture, Nr. 1 half-cylinder with 3 keys, Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

Versions available: BM, BSP, BS, BMC, BC, B (for Proget doors only), ELM electric handle: see the dedicated pages

For the inactive leaf of two-leaved doors:

Included (mounted on the door): anti-panic safety lock with 80mm entrance, the upper re-latch device, the upper strike plate and the vertical rods

Included (in the package): Nr. 2 mechanisms, Nr. 2 stainless steel carter covers, Nr. 1 stainless steel bar with connection tube and spacer, Nr. 1 floor-mounted floor catch, Nr. 1 carrier arm (for fire doors only), Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

Versions available: A, AR (reduced) for inactive leaves with FM L2 width ≤ 500mm

SLASH STAINLESS STEEL KIT

(SUPPLIED SEPARATELY FROM THE DOOR)

KIT for single leaf or the active leaf of two-leaved doors:

Please specify leaf thickness and door type - REVER, UNIVER or PROGET - in the order

KIT contents: Nr. 1 anti-panic lock with 65mm entrance, Nr. 1 strike box lock insert, Nr. 2 mechanisms, Nr. 2 stainless steel carter covers, Nr. 1 stainless steel bar with connection tube and spacer, Nr. 1 hole cover in black plastic with base plate, Nr. 1 stainless steel door furniture, Nr. 1 half-cylinder with 3 keys, Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

Versions available: BM, BSP, BS, BMC, BC

KIT for the inactive leaf of two-leaved doors, suited for REVER, UNIVER and PROGET fire and multipurpose doors (produced after 01.01.2005):

specify door type on the order form
KIT contents: Nr. 1 anti-panic safety lock with 80mm entrance, Nr. 2 mechanisms, Nr. 2 stainless steel carter covers, Nr. 1 stainless steel bar with connection tube and spacer, Nr. 1 upper re-latch device, Nr. 1 floor-mounted floor catch, Nr. 1 carrier arm (excluding REVER and UNIVER MULTIPURPOSE), Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

Versions available: A, AR (reduced) for use with inactive leaves with FM L2 width ≤ 500mm

KIT for the inactive leaf of two-leaved doors and suited for other types of multipurpose doors and for substitution of non CE marked panic bars (PROGET doors):

KIT contents: Nr. 1 anti-panic safety lock with 80mm entrance, Nr. 2 mechanisms, Nr. 2 stainless steel cover plates, Nr. 1 stainless steel bar with connection tube and spacer, Nr. 1 upper re-latch device, Nr. 1 upper strike plate, vertical rods, Nr. 1 floor-mounted floor catch, Nr. 1 carrier arm, Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

Versions available: A, AR (reduced) for use with inactive leaves with FM L2 width ≤ 500mm



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