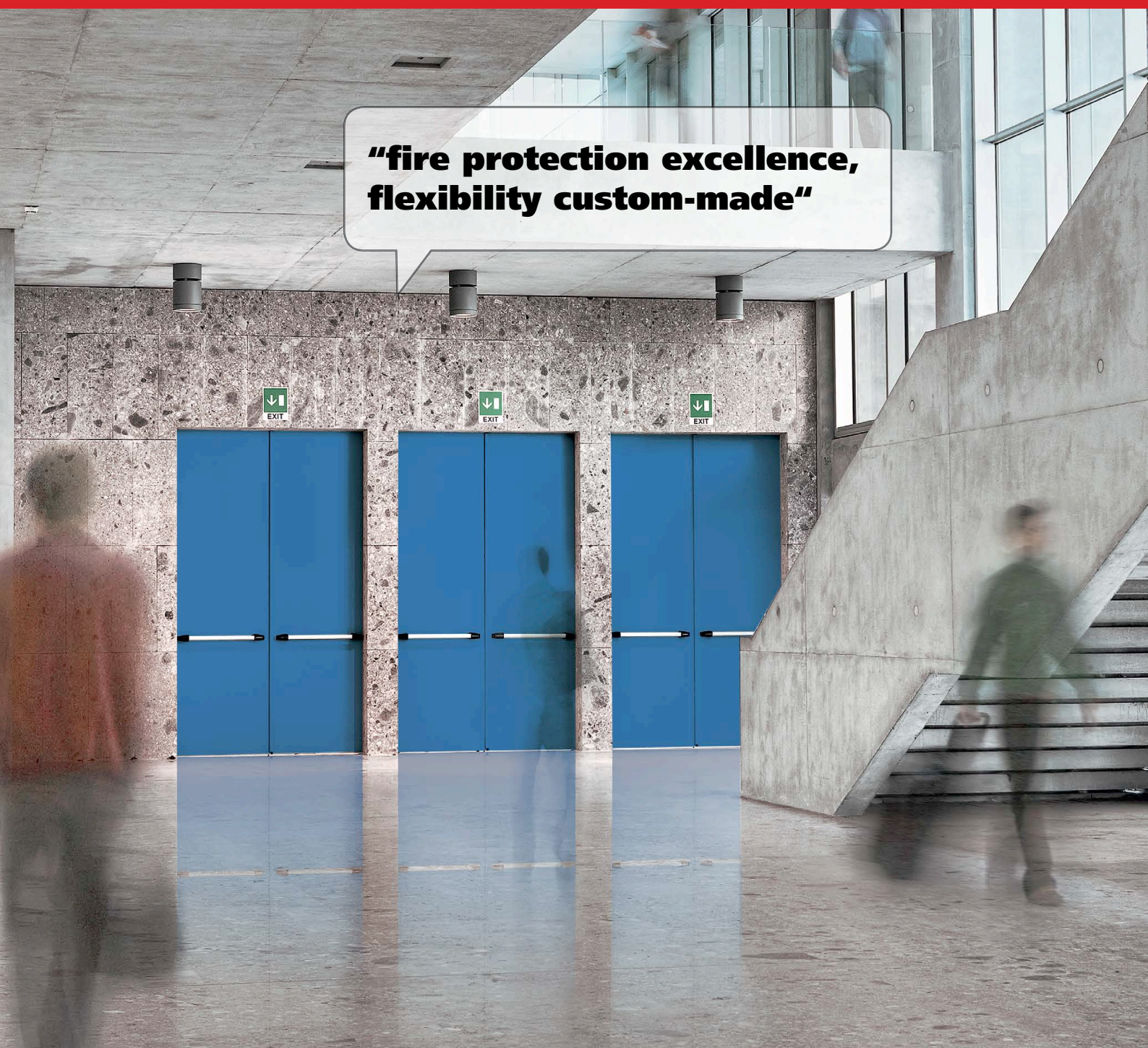




PROGET Fire doors

**"fire protection excellence,
flexibility custom-made"**



THE FIRE DOOR IN A CLASS OF ITS OWN

"Indisputable quality"

- Especially sturdy door for safe functioning over time
- Ideal for application to uneven or weak walls
- Fully isolated frame for true "dry wall installation"
- Built to order for all kinds of requests
- Fully galvanized door, including the "hidden" parts
- Made of hot-galvanized sheet metal, "Sendzimir" processed
- Corrosion protection also provided along cut edges of the metal sheets
- Painted with epoxy-polyester thermoset powders in a 180 degrees (Celsius) oven
- Substantial paint layer (70 microns plus)
- Optimal corrosion resistance demonstrated by 500 hour salt-fog test
- Unaffected by severe climate changes, demonstrated by 2000 hours with +60° to -10° cycles at 75% humidity
- Finishing with high-quality aesthetics
- Orange skin anti-scratch structured paint
- Customizable with wide selection of RAL colors

"Practicality of use"

- Truly sturdy frame that facilitates anchoring to the wall
- Suitable for all wall types
- Different installation methods to choose from
- Significantly reduced installation times
- Type approvals for multiple installations to different wall types
- Ample size range
- Wide variety of accessories

"Conformity to standards"

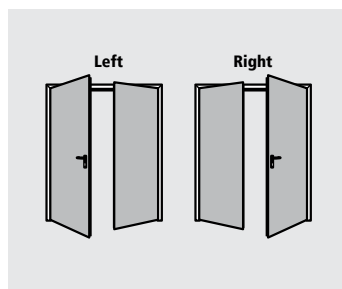
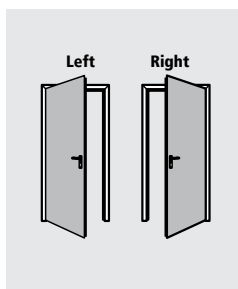
- In-house Ninz R&D with specialized testing equipment
- Fire testing in accordance with UNI 9723 and EN 1634-1
- Mechanical testing for the **CE** marking of accessories
- **CE** marked door accessories studied and sized to meet standard European requirements
- Careful selection of materials and manufacturing methods
- Strict product testing for conformity to declared technical standards
- Absolute functional certainty over time
- Doors "type approved" in compliance with M.D. 21 June 2004
- Products delivered with the documentation required by current regulations

"Manufacturing technology"

- Manufacturing in modern and functional facilities which employ the latest technologies to maintain high quality levels and product uniformity
- The entire production process - from raw materials to painted and packaged products - takes place inside Ninz's own facilities, ensuring a 360 degree door control

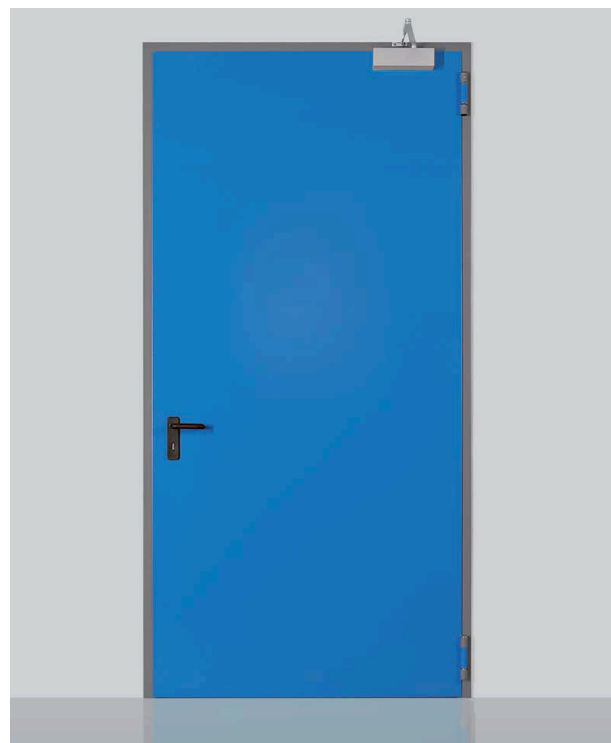
Opening direction

Opening direction needs to be indicated while ordering



One-leaved doors available in the following classes:

EI₂60
 EI₂120
 REI 60
 REI 120



Two-leaved doors available in the following classes:

EI₂60
 EI₂90
 REI 60
 REI 120



STANDARD ELEMENTS

which comprise Proget fire doors:

Door leaf

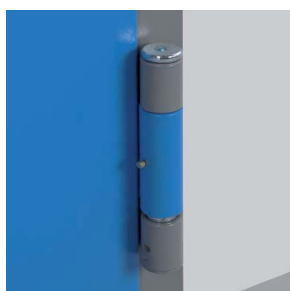
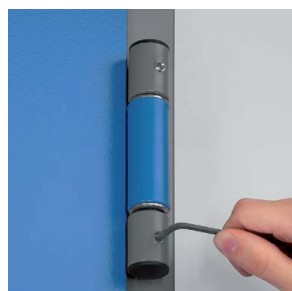
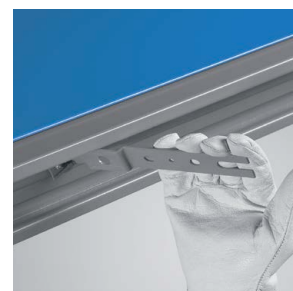
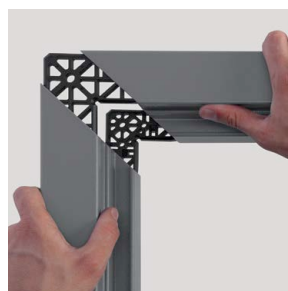
- Made of "Sendzimir" processed hot-galvanized sheet metal, press folded and electro welded
- Perimetral rebate on 3 sides, flat at the bottom
- Internally reinforced with hot-galvanized steel profiles
- Heat-insulated treated mineral wool packing that is rigidly joined to the sheet metal
- Internal stiffeners for overhead door closer and panic bar
- Single thickness of 60 mm

Standard frame

- Sturdy profile with a sizeable cross section
- Made of "Sendzimir" processed hot-galvanized sheet metal
- Equipped with special assembly brackets
- Grooves for thermo expansive sealing and rebate sealing
- Standard installation via anchors for mortar fixing
- Upon request installation via expansion screws or screws onto the subframe
- Lower spacer, mounting template
- Rests on finished flooring without rebate
- Strike plates in black plastic for lock bolt and safety bolts
- Assembly required for doorframes

Thermo expansive sealing

- Mounted on vertical doorframe profiles and central vertical profiles (for two-leaved doors)
- Mounted above and below the leaves depending on the certification



Hinges

- Nr. 2 three-wing hinges for each leaf
- of which one ball-bearing hinge with screws for vertical adjustment of the leaf, **CE** marked as per EN 1935, classified for up to 160 kg load, 200.000 cycles durability, suitable for fire door use
- and one hinge with self-closing spring

Safety bolts

- Nr. 1 or 2 safety bolts applied on hinge side leaf edge

Locking mechanism

- Reversible locking mechanism with bolt and central latch for EI₂60, EI₂90 and REI 120 doors
- Three locking point mechanism for one-leaved EI₂120 doors
- **CE** marked in conformity with EN 12209 standard
- Insert with patent key, Euro profile cylinder ready

Handle

- Fire rated handle in black plastic with steel core
- Steel installation plate with cylinder hole
- Backplate in black plastic
- Fastener screws and patent key insert

INCLUDED ACCESSORIES

which comprise Proget fire doors:

Closing regulator

- Standard two-leaved doors include an RC/STD closing regulator to ensure the correct closing sequence of the leaves, except those with environmental characteristics for which the RC2 system is mandatory (to be ordered with the door).
- **CE** marking in conformity with EN 1158 standard

Locking mechanism for inactive leaf

- "Flush-bolt" automatic locking of the inactive leaf
- Lever control for unlocking

Upper coupling system for the inactive leaf

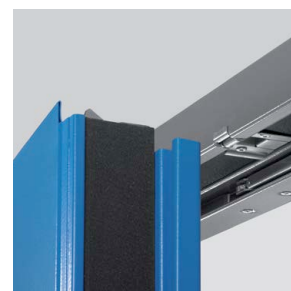
- Inactive leaf lock activated device which inserts rod into the upper strike box
- Upper strike box in pierced steel with steel roller

Lower coupling system for the inactive leaf

- Vertical rod with steel point which inserts into lower strike box
- Lower floor catch (floor-mounted bushing) made of self-extinguishing black plastic with rebate stopper

Identification plate

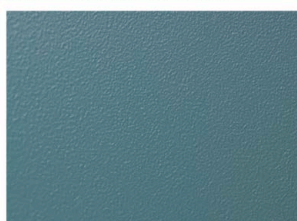
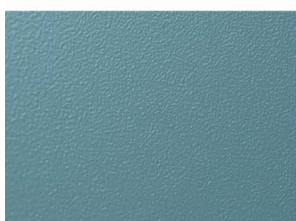
- Metal tag with door identification data, in accordance with current regulations



Standard paint - group 01:

leaf color NCS 4020-B50G

frame color NCS 5020-B50G



Finishing

- Standard painted with epoxy-polyester thermoset powders in a 180 degrees oven, orange skin, anti-scratch finishing
- Standard pastel turquoise color, lighter tone for the leaf (NCS4020-B50G), darker tone for the frame (NCS5020-B50G)

Standard packaging

- Single leaf wrapped into stretchable polyethylene (PE) film
- Single packaging for each doorframe with stretchable polyethylene (PE) film
- Palletized on wooden pallets

Door weight	class	kg/m ² of wall opening
1 leaf	EI ₂ 60, REI 60	37
2 leaves	EI ₂ 60, REI 60	35
1 leaf	EI ₂ 120, REI 120	42
2 leaves	EI ₂ 90, REI 120	40

NOTE

If the door ever needs to be repainted, follow the precise instructions on the "Painting" section.

INSTALLATION ONTO OTHER WALL TYPES

Other types of installation are possible, all of which have been rigorously certified and approved

- Frame for dry wall installation with expansion screws
- Frame for dry wall installation with screws onto the subframe
- Block frame for in the reveal application
- Embracing frame for lightweight constructions installation

OPTIONAL ACCESSORIES

A wide variety of accessories and surface finishes are available on request for maximum value enhancement of Proget doors to your own specific needs. The proper accessories can help resolve:

Safety-related needs

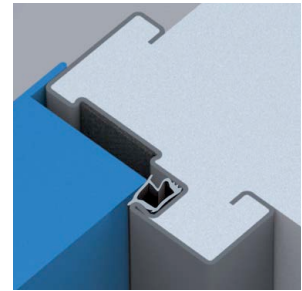
- Doors for panic exits (see panic bars)
- Doors for emergency exits (see emergency exit handles)
- Open doors which must be closed in case of fire (see leaf holding systems)

Installation and utilization needs

- Frame extensions
- Different kinds of floor mounted catches
- Roofing and drip steel-profile
- Special fastener screws
- Kick and protection plates in stainless steel
- Rectangular windows, standard dimensions or built to order
- Round windows
- One-leaved door with frame on four sides

Access-related control issues

- Electrically-activated lock mechanisms
- Electric handle mechanisms
- Magnetic blocking mechanisms



Performance enhancing

- Sealing
- Cylinders
- Door closers
- Special closing regulators
- Special handles

Customized finishing

- Select finishing from a wide variety of RAL colours
- NDD – Ninz Digital Decor, graphic images applied with special ink jets and protected by a transparent topcoat. Infinite varieties of customizable decorations in harmony with specific door settings
- Stainless steel handles
- Colored handles

Packaging for maximum protection

Sturdy wooden crates protect all doors and related accessories

- For NDD decorated doors
- On construction sites
- During shipping abroad
- For special transport

NOTE

Details on the optional accessories may be found in the following chapters of this brochure:

- Painting and NDD decorations
- Accessories for metal doors
- Emergency handles and panic bars



WINDOW WITH FIRE RATED GLASS

Upon request all one- and two-leaved fire doors may be equipped with round or rectangular windows with fire rated stratified glass and respective window frames fixed with screws. The window frame carters are included for round window and available as an optional accessory for the rectangular one.

Limits prescribed by regulations

According to standards UNI 9723 and EN 1634-1, windows may be smaller but not larger than the test sample size, and the reverse holds true for the border strip around the window which may be wider but not thinner. The following limits correspond with these restrictions.

Borders, window position

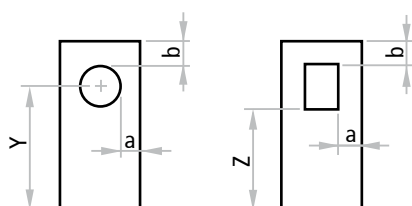
"Border measurement" refers to the distance from the edge of the window to the wall opening of the door.

Elevation for round windows

window size	FM H	position
Ø 300	minimum 2050	Y=1600
Ø 300	less than 2050	Y=FM H - 450
Ø 400	minimum 2150	Y=1600
Ø 400	from 2050 to 2149	Y=1550
Ø 400	less than 2050	Y=FM H - 500

Elevation for rectangular windows

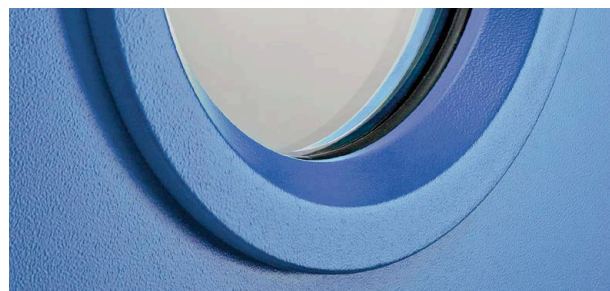
window dimensions L x H	FM H	position
300 x 400	minimum 2150	Z=1450
300 x 400	from 2050 to 2149	Z=1350
300 x 400	less than 2050	Z=FM H - 700
400 x 600	minimum 2150	Z=1250
400 x 600	from 2050 to 2149	Z=1150
400 x 600	less than 2050	Z=FM H - 900
400 x 1200	minimum 2150	Z=650
400 x 1200	from 2050 to 2149	Z=550
400 x 1200	less than 2050	Z=FM H - 1500



NOTE

Position and measurements indicated above are those standard.

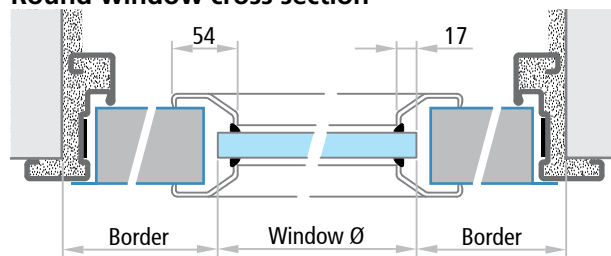
Different positions and measurements may be considered as long as they respect the minimum "a" and "b" border strips and maximal measurements mentioned in the certificate for the window. The window itself may not be supplied separately except for replacements. It is always advisable for doors with windows to be equipped with door closers for controlled closing.



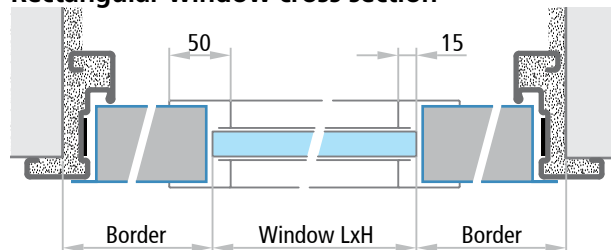
NOTE

For the rectangular windows the frame carters are an optional accessory

Round window cross section



Rectangular window cross section


















ATTENTION

In case of external installation use windows designed for this purpose.

For special instructions and recommendations for glazed fire-rated products, see the "Notices" section on the last page of the present brochure.

EI WINDOW SPECIFICATIONS BASED ON INSTALLATION METHOD

model	min./max. window			border strip		mortar fixing	expansion screws	lightweight constructions with embracing frame	block frame	EI ₆₀	EI ₉₀	EI ₁₂₀	dimensions FM L (L1 + L2) x FM H
	L	x	H	a	b								
	Ø 300			300	300	✓	✓	✓	✓	✓			from 900 to 1340 x from 1950 to 2600
	Ø 400			300	300	✓	✓	✓	✓	✓			from 1000 to 1340 x from 1950 to 2600
	Ø 300			300	300	✓	✓		✓			✓	from 900 to 1340 x from 1900 to 2640
	Ø 400			300	300	✓	✓		✓			✓	from 1000 to 1340 x from 1900 to 2640
	from 250 to 700		from 250 to 650	300	300	✓	✓	✓		✓			from 850 to 1340 x from 1950 to 2600
	from 250 to 670		from 250 to 620	300	300				✓	✓			from 850 to 1340 x from 1950 to 2600
	from 250 to 600		from 250 to 400	370	300	✓	✓		✓			✓	from 990 to 1340 x from 1900 to 2640
	Ø 300			300	300	✓	✓	✓	✓	✓			from 1250 (900 + 350) to 2540 (1270 + 1270) x from 1775 to 2600
	Ø 400			300	300	✓	✓	✓	✓	✓			from 1350 (1000 + 350) to 2540 (1270 + 1270) x from 1775 to 2600
	Ø 300			300	300	✓	✓		✓		✓		from 1475 (900 + 575) to 2270 (1150 + 1120) x from 1775 to 2300
	Ø 400			300	300	✓	✓		✓		✓		from 1575 (1000 + 575) to 2270 (1150 + 1120) x from 1775 to 2300
	Ø 300			300	300	✓	✓	✓	✓	✓			from 1800 (900 + 900) to 2540 (1270 + 1270) x from 1775 to 2600
	Ø 400			300	300	✓	✓	✓	✓	✓			from 2000 (1000 + 1000) to 2540 (1270 + 1270) x from 1775 to 2600
	Ø 300			300	300	✓	✓		✓		✓		from 1800 (900 + 900) to 2270 (1150 + 1120) x from 1775 to 2300
	Ø 400			300	300	✓	✓		✓		✓		from 2000 (1000 + 1000) to 2270 (1150 + 1120) x from 1775 to 2300
	from 250 to 700		from 250 to 650	300	300	✓	✓	✓		✓			from 1200 (850 + 350) to 2540 (1270 + 1270) x from 1775 to 2600
	from 250 to 670		from 250 to 620	300	300				✓	✓			from 1200 (850 + 350) to 2540 (1270 + 1270) x from 1775 to 2600
	from 250 to 600		from 250 to 400	300	300	✓	✓		✓		✓		from 1425 (850 + 575) to 2270 (1150 + 1120) x from 1775 to 2300
	from 250 to 700		from 250 to 650	300	300	✓	✓	✓		✓			from 1700 (850 + 850) to 2540 (1270 + 1270) x from 1775 to 2600
	from 250 to 670		from 250 to 620	300	300				✓	✓			from 1700 (850 + 850) to 2540 (1270 + 1270) x from 1775 to 2600
	from 250 to 600		from 250 to 400	300	300	✓	✓		✓		✓		from 1700 (850 + 850) to 2270 (1150 + 1120) x from 1775 to 2300

Specific optional accessories

PROGET Fire doors

REI WINDOW SPECIFICATIONS BASED ON INSTALLATION METHOD

model	min./max. window			border strip		mortar fixing	subframe	expansion screws	plasterboard with embracing frame	REI 60	REI 120	dimensions FM L (L1 + L2) x FM H
	L	x	H	a	b							
	Ø 300			300	300		✓	✓	✓	✓	✓	from 900 to 1170 x from 1775 to 2275 from 1004 to 1340 x from 2050 to 2500
	Ø 400			300	300		✓	✓	✓	✓	✓	from 1000 to 1170 x from 1775 to 2275 from 1004 to 1340 x from 2050 to 2500
	from 250 to 400	from 250 to 600		250	300	✓				✓		from 750 to 900 x from 1775 to 2000
	from 250 to 400	from 250 to 600		300	300	✓				✓	✓	from 850 to 1000 x from 1775 to 2150
	from 250 to 620	from 250 to 400		360	300	✓				✓	✓	from 970 to 1340 x from 1775 to 2670
	from 250 to 564	from 250 to 443		300	300		✓	✓	✓	✓	✓	from 850 to 1170 x from 1775 to 2275 from 1004 to 1340 x from 2050 to 2500
	from 250 to 400	from 630 to 1400		250	300	✓				✓	✓	from 750 to 900 x from 1775 to 2000 from 779 to 1037 x from 1803 to 2197
	from 250 to 522	from 500 to 1460		320	300	✓					✓	from 890 to 1162 x from 1775 to 2620 from 997 to 1332 x from 2361 to 2670
	Ø 300			300	300		✓	✓	✓	✓	✓	from 1250 (900 + 350) to 2252 (1126 + 1126) x from 1775 to 2275** from 1962 (996 + 966) to 2540 (1270 + 1270) x from 2050 to 2500**
	Ø 400			300	300		✓	✓	✓	✓	✓	from 1350 (1000 + 350) to 2252 (1126 + 1126) x from 1775 to 2275** from 1966 (1000 + 966) to 2540 (1270 + 1270) x from 2050 to 2500**
	Ø 300			300	300		✓	✓	✓	✓	✓	from 1800 (900 + 900) to 2252 (1126 + 1126) x from 1775 to 2275** from 1962 (996 + 966) to 2540 (1270 + 1270) x from 2050 to 2500**
	Ø 400			300	300		✓	✓	✓	✓	✓	from 2000 (1000 + 1000) to 2252 (1126 + 1126) x from 1775 to 2275** from 2000 (1000 + 1000) to 2540 (1270 + 1270) x from 2050 to 2500**
	from 250 to 400	from 250 to 600		300	300	✓				✓	✓	from 1200 (850 + 350) to 2000 (1000 + 1000) x from 1775 to 2150**
	from 250 to 400	from 250 to 600		300	300	✓				✓	✓	from 1700 (850 + 850) to 2000 (1000 + 1000) x from 1775 to 2150**
	from 250 to 620	from 250 to 400		325	300	✓				✓	✓	from 1250 (900 + 350) to 2540 (1270 + 1270) x from 1775 to 2670**
	from 250 to 620	from 250 to 400		325	300	✓				✓	✓	from 1800 (900 + 900) to 2540 (1270 + 1270) x from 1775 to 2670**
	from 250 to 564	from 250 to 443		300	300		✓	✓	✓	✓	✓	from 1200 (850 + 350) to 2252 (1126 + 1126) x from 1775 to 2275** from 1962 (996 + 966) to 2540 (1270 + 1270) x from 2050 to 2500**
	from 250 to 564	from 250 to 443		300	300		✓	✓	✓	✓	✓	from 1700 (850 + 850) to 2252 (1126 + 1126) x from 1775 to 2275** from 1962 (996 + 966) to 2540 (1270 + 1270) x from 2050 to 2500**
	from 250 to 400	from 630 to 1400		250	300	✓				✓	✓	from 1100 (750 + 350) to 1800 (900 + 900) x from 1775 to 2000 from 1539 (772 + 767) to 2061 (1028 + 1033) x from 1803 to 2197
	from 250 to 515	from 500 to 1460		320	300	✓					✓	from 1240 (890 + 350) to 2315 (1155 + 1160) x from 1775 to 2620 from 1975 (989 + 986) to 2540 (1268 + 1272) x from 2361 to 2670

NOTE

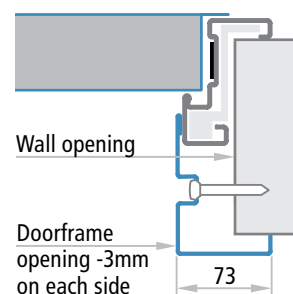
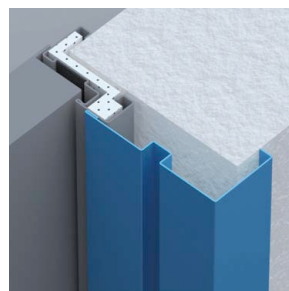
(*) Windows only possible for the minimum size of 0,25m², and only on one-leaved doors or the active leaf of two-leaved doors.

(**) FM inactive leaf minimum without window with RC/STD =350mm. FM inactive leaf minimum without window but with RC2=370mm.

FRAME EXTENSIONS FOR PROGET DOORS

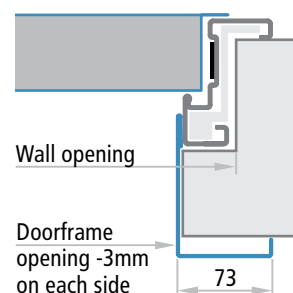
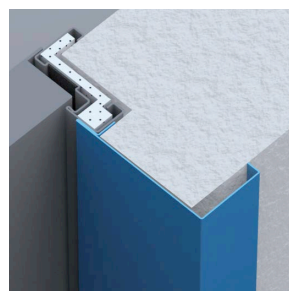
IM 1

Frame extension to be mounted in addition to the Proget frame to serve as embracing frame made of "Sendzimir" processed hot-galvanized sheet metal and painted the same color as the doorframe with epoxy-polyester powders. Profile on three sides, upper corners with 45 degree joint, fixing with screws and plugs in groove (screws and plugs not included).



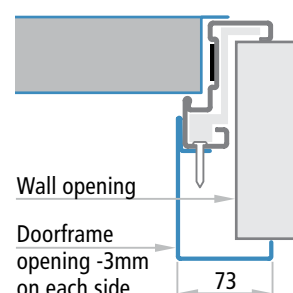
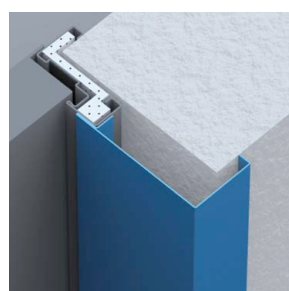
IM 3

Frame extension to be mounted in addition to the Proget frame to serve as embracing frame, especially for EI₂90, EI₂120 with installation for expansion screws fixing. Made of "Sendzimir" processed hot-galvanized sheet metal and painted the same color as the doorframe with epoxy-polyester powders. Profile on three sides, upper corners with 45 degree joint, fixing with screws and plugs (screws and plugs not included).



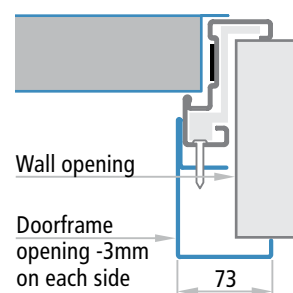
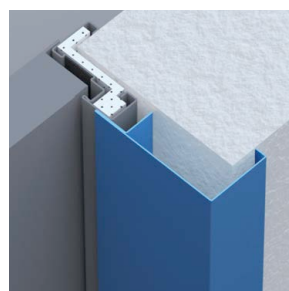
IM 4

Frame extension to be screwed to the Proget doorframe acting as a wall cladding. Made of "Sendzimir" processed hot-galvanized sheet metal painted the same color as the doorframe with epoxy-polyester powders. Profile on three sides, upper corners with 90 degree joint. Complete with fastener screws. To mount the frame extension, pre-drilled holes are available on the frame. Combine with sealing to conceal the screw heads.



IM 5

Telescopic frame extension to be screwed to the Proget doorframe acting as a wall cladding for expansion screw fixing. Consists of two overlapping profiles with a 25mm adjustable range. Made of "Sendzimir" processed hot-galvanized sheet metal painted the same color as the doorframe with epoxy-polyester powders. Profile on three sides, upper corners with 90 degree joint. Complete with fastener screws. To mount the frame extension, pre-drilled holes are available on the frame. Combine with sealing to conceal the screw heads.



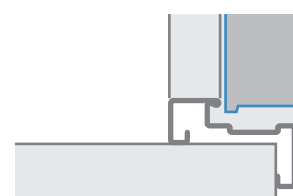
FRAME ON FOUR SIDES

Upon request one-leaved Proget doors may be supplied with frames on four sides and leaves with or without lower rebate. These type of doors are used mainly for technical rooms or shafts.

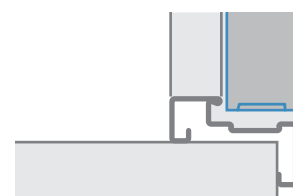
The frame on four sides is not available for the following applications: doors installed onto escape routes, two-leaved doors, doors with environmental characteristics, application on lightweight constructions, in combination with frame extensions.

ATTENTION

With the frame on four sides, the center of the handle will be 15 mm higher than the standard position. For more details, see the page "Door cross section - Measurements".



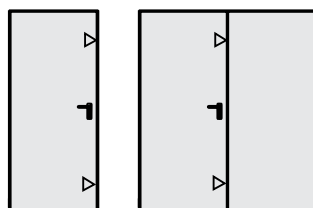
Leaf with lower rebate



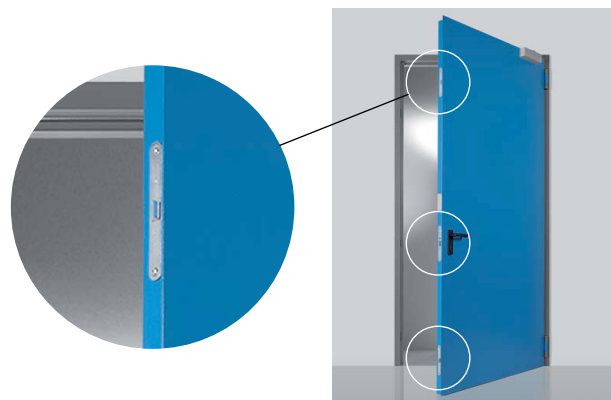
Leaf without lower rebate

THREE-POINT LOCKING MECHANISM

Mandatory for one-leaved EI₂120 doors and upon request for a more reliable closure of one- and two-leaved EI₂60 and two-leaved EI₂90 doors. In combination with double M1 handle and cylinder. The lock is also available for anti-panic and emergency push versions. Thus the three-point locking mechanism can be combined with emergency handles or with EXUS, TWIST, SLASH type BM panic bars in conformity with **CE** marking.



▷ Additional closure points



NOTE

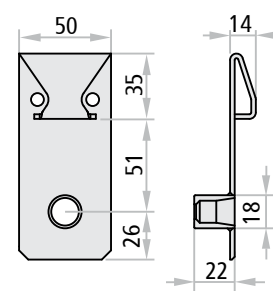
Three point locking mechanism can be combined with M1, M1C, M1X, M11 and M11X handles only.

STEEL FLOOR CATCH

Floor-mounted steel floor catch for two-leaved Proget doors. Made of pierced and successively galvanized steel. Includes rebate stop for the inactive leaf, the strike box for insertion of the rod, Nr. 3 screws and Nr. 3 plugs. To be used in place of the plastic floor catch for doors that usually remain open and where carts and heavy equipment pass on a regular basis.



Lower PROGET steel floor catch



RETREATING FLOOR CATCH „N626“

To be applied in combination with two-leaved PROGET doors, which are usually to be kept open, in substitution of the standard floor catch. The N626's advantage is the embedding of the floor catch into the floor which is activated only by the closing of the inactive leaf. Thus when the doors are open protrusions are avoided guaranteeing nevertheless a correct closing.

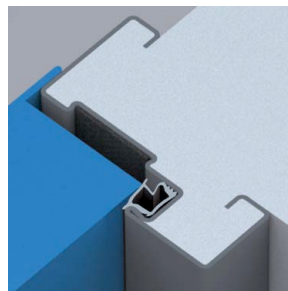


NOTE

For the passing of the cable of the command function the installation into the floor of a wrinkled cable sleeve is necessary. The installation of the N626 requires trained personnel.

FF REBATE SEALING

FF/CR sealing (for EI₂ doors) and FF sealing (for REI doors) in black extruded profile to cut and to be pressed into the dedicated groove in the perimetral frame and on the central joint of two-leaved doors.



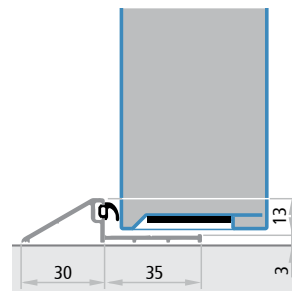
THRESHOLD

Fixed threshold in anodized aluminium supplied with relative rebate sealing. To be installed for single and double leaved doors onto the floor with screws and plugs (not supplied).

NOTE

This device is delivered only when the door has been ordered with thermal insulating characteristics.

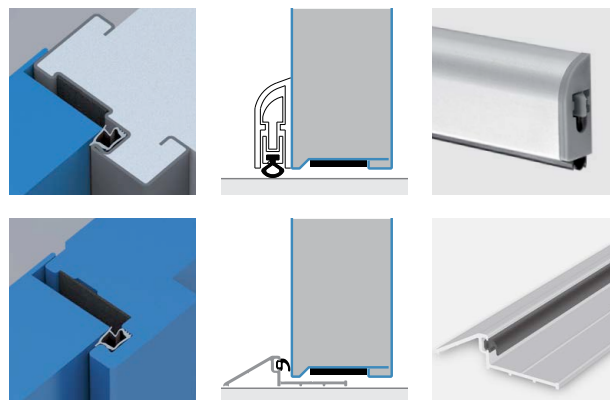
For the installation it is necessary to adapt the threshold to the frame of the door and to drill a hole for its fixing. Further it is necessary to finish up the threshold with silicone.



ENVIRONMENTAL CHARACTERISTICS OF FIRE DOORS

The norms EN 14351-1 (external doors) and EN 14351-2 (internal doors) are not applicable for fire rated doors, nevertheless they may be taken as a reference to determine the environmental characteristics of the latter. **CE** marking is not mandatory, tests for their classification are purely provided on a voluntarily basis.

The Proget pricelist lists Kits which add this environmental characteristic to the door.



ATTENTION

For the dimensional limits according to the certificates and homologations of the fire rated doors and regarding the minimum borders please refer to the specific pages of this brochure.

The values for the thermal transmittance W/m^2K shown in the table on the next page are given by the calculation according to the norm EN ISO 10077-1 done on samples of the dimensions 1,23x2,18 for areas $\leq 3,6m^2$ and on samples of the dimensions 2,00x2,18 for areas $> 3,6m^2$.

All performance values indicated in the table are valid only in presence of the following accessories or enhancements:

- standard frame to be installed with wall anchors and mortar or with screws and plugs
- embracing frame prepared for the installation onto lightweight constructions
- isolation of the frame with the filling of cement or plasterboard
- installation of rubber seals FF along the entire perimeter of the door frame including the central rebate for double leaved doors
- RC2 closing regulator (instead of RC/STD) for two leaved doors
- presence of the automatic door sweep or the fixed lower threshold depending upon selected solution.

In case of windows with dimensions larger than those tested (300x400mm), up to a maximum size of 400x600mm the differing performance value for the thermal transmittance needs to be asked, the performance value for acoustic isolation remains unchanged.

For the acoustic isolation performance values, in case of asymmetric double leaved doors ($L1 \neq L2$), select the minor R_w value of the two (example 1: leaf without windows and $H=2150$, $L1=1000$, $L2=500$ select 32 dB; example 2: leaf without windows and $H=2150$, $L1=1200$, $L2=1000$ select 35 dB).

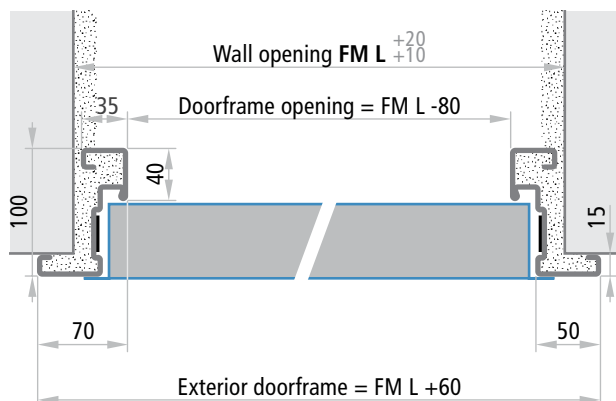
Test Report Summary & Expert Statement		ift ROSENHEIM
Airborne sound insulation of building components		
Report-No. 12-001195-PR01 (GAS-C02-04-en-01)		
Client	NINZ s.p.a. Corso Trento 2/A 38061 ALA Italy	
Product	Fire door, single and double leaf	
Designation	PROGET REI 120 - PROGET EI* 90 / 120	
Door frame	Steel frame variants with infill panel	
Coordinating dimensions	Width 0.80 m ... 1.34 m (single leaf) / 1.00 m ... 2.66 m (double leaf), height: 2.00 m ... 2.67 m	
Door leaf	Steel door with insulating insert and optional glazed panel	
Door leaf dimensions	Width 0.40 m ... 1.327 m, Height: 1.99 m ... 2.66 m	
Glazing	Variants: single, laminated or insulating glass unit	
Rebate seals	1 frame rebate seal	
Floor seals	1 automatic floor seal (drop seal)	
<p>Weighted sound reduction index R_w Spectrum adaptation terms C and C_w</p> <p>Design variants up to $R_w (C; C_w) = 36 (-1, -3) \text{ dB}$ as per Section 4.2</p>		
<p>ift Rosenheim 10.05.2012</p> <p><i>J. Keminger</i> Dr. Joachim Hessinger, Dipl.-Phys. Head of Testing Department Building Physics</p> <p><i>H. Baume</i> Johann Baume, Dipl.-Ing. (FH) Operating Testing Officer Building Acoustics</p>		
<p>ift Rosenheim GmbH Geschäftsbereich: Dipl.-Ing. (FH) Ulrich Siebert Dr. Jochen Reith</p> <p>Theodor-Gast-Str. 7, 9 D-83028 Rosenheim Tel. +49 (0)89 12081-0 Fax +49 (0)89 12081-200 www.ift-rosenheim.de</p> <p>Stz. 83028 Rosenheim AG Traunstein, HRG 14785 Spreitzer Rosenheim Kfz. 3922 BLZ 711 500 00</p> <p>Notified Body No. 0257 Anerkannter PÜ-Stelle BAY 18 DIN EN ISO 9001:2008 DIN EN ISO 14001:2004 DIN EN ISO 45001:2018</p>		

Performance requirements and classification

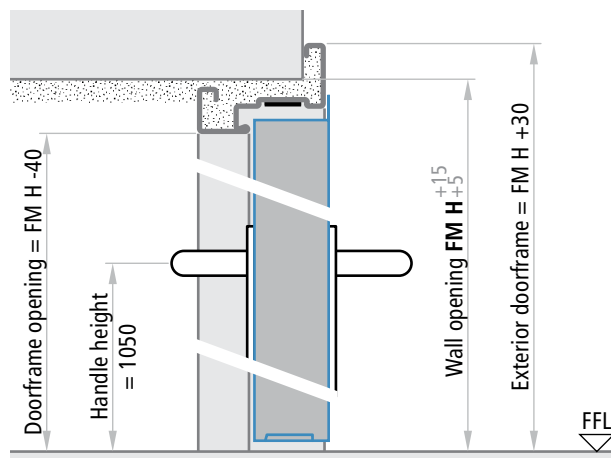
Performance requirements and classification			standard angular frame	embracing frame	block frame for in the reveal applic.	reached class with FF or FF/CR rebate sealing and automatic door sweep		reached class with FF or FF/CR rebate sealing and fix threshold		
	FM L x H dimensions	class				air permeability class according to EN 1026:2001	thermal transmittance (W/m²K) according to EN 10077-1:2007	acoustic performance according to EN 14351-1:2006	air permeability class according to EN 1026:2001	thermal transmittance (W/m²K) according to EN 10077-1:2007
<div><div>without window</div><div><div>-</div></div></div>	≤ 3,6 m²	EI₂60, REI 60	✓			2	1,37	2	1,35	1A
	≤ 3,6 m²	EI₂60, REI 60		✓		2	1,51	2	1,50	1A
	≤ 3,6 m²	EI₂60			✓	2	1,52	2	1,51	1A
	≤ 3,6 m²	EI₂120, REI 120	✓			2	1,39	2	1,38	1A
	≤ 3,6 m²	EI₂120			✓	2	1,54	2	1,53	1A
	≤ 3,6 m²	REI 120		✓		2	1,53	2	1,52	1A
	800 - 1100 x 2000 - 2250	EI₂90/120, REI 120	✓	✓			Rw = 36 dB			
	1101 - 1340 x 2000 - 2250	EI₂90/120, REI 120	✓	✓			Rw = 35 dB			
	800 - 1340 x 2251 - 2670	EI₂90/120, REI 120	✓	✓			Rw = 34 dB			
	546 - 1150 x 1775 - 2150	ALL	✓	✓	✓					C1
<div><div>with window 300x400</div><div><div><div></div></div></div></div>	≤ 3,6 m²	EI₂60, REI 60	✓			2	1,89	2	1,88	1A
	≤ 3,6 m²	EI₂60, REI 60		✓		2	2,02	2	2,01	1A
	≤ 3,6 m²	EI₂60			✓	2	2,03	2	2,02	1A
	≤ 3,6 m²	EI₂120, REI 120	✓			2	1,84	2	1,83	1A
	≤ 3,6 m²	EI₂120			✓	2	1,98	2	1,97	1A
	≤ 3,6 m²	REI 120		✓		2	1,97	2	1,96	1A
	800 - 1100 x 2000 - 2250	EI₂90/120, REI 120	✓	✓			Rw = 36 dB			
	1101 - 1340 x 2000 - 2250	EI₂90/120, REI 120	✓	✓			Rw = 35 dB			
	800 - 1340 x 2251 - 2670	EI₂90/120, REI 120	✓	✓			Rw = 34 dB			
	900 - 1150 x 1775 - 2150	ALL	✓	✓	✓					C1
<div><div>without windows</div><div><div><div>-</div></div></div></div>	≤ 3,6 m²	EI₂60, REI 60	✓			3	1,80	3	1,78	2A, 4B
	> 3,6 m²	EI₂60, REI 60	✓			3	1,45	3	1,44	2A, 4B
	≤ 3,6 m²	EI₂60, REI 60		✓		3	1,93	3	1,91	2A, 4B
	> 3,6 m²	EI₂60, REI 60		✓		3	1,55	3	1,54	2A, 4B
	≤ 3,6 m²	EI₂60			✓	3	1,94	3	1,92	2A, 4B
	> 3,6 m²	EI₂60			✓	3	1,56	3	1,55	2A, 4B
	≤ 3,6 m²	EI₂90			✓	3	1,95	3	1,94	2A, 4B
	> 3,6 m²	EI₂90			✓	3	1,58	3	1,56	2A, 4B
	≤ 3,6 m²	EI₂90, REI 120	✓			3	1,80	3	1,79	2A, 4B
	> 3,6 m²	EI₂90, REI 120	✓			3	1,47	3	1,46	2A, 4B
	≤ 3,6 m²	REI 120		✓		3	1,93	3	1,92	2A, 4B
	> 3,6 m²	REI 120		✓		3	1,56	3	1,55	2A, 4B
	(L1 o L2) 500 - 799 x 2000 - 2670	EI₂90/120, REI 120	✓	✓			Rw = 32 dB			
	(L1 o L2) 800 - 1100 x 2000 - 2250	EI₂90/120, REI 120	✓	✓			Rw = 36 dB			
	(L1 o L2) 1101 - 1330 x 2000 - 2250	EI₂90/120, REI 120	✓	✓			Rw = 35 dB			
	(L1 o L2) 800 - 1330 x 2251 - 2670	EI₂90/120, REI 120	✓	✓			Rw = 34 dB			
	890 - 2300 x 1775 - 2150	ALL	✓	✓	✓					C1
	<div><div>with windows 300x400</div><div><div><div><div></div></div></div></div></div>	≤ 3,6 m²	EI₂60, REI 60	✓			3	2,91	3	2,80
> 3,6 m²		EI₂60, REI 60	✓			3	2,14	3	2,08	2A, 4B
≤ 3,6 m²		EI₂60, REI 60		✓		3	3,04	3	2,94	2A, 4B
> 3,6 m²		EI₂60, REI 60		✓		3	2,24	3	2,17	2A, 4B
≤ 3,6 m²		EI₂60			✓	3	3,06	3	2,95	2A, 4B
> 3,6 m²		EI₂60			✓	3	2,25	3	2,18	2A, 4B
≤ 3,6 m²		EI₂90			✓	3	2,85	3	2,84	2A, 4B
> 3,6 m²		EI₂90			✓	3	2,13	3	2,12	2A, 4B
≤ 3,6 m²		EI₂90, REI 120	✓			3	2,70	3	2,69	2A, 4B
> 3,6 m²		EI₂90, REI 120	✓			3	2,03	3	2,02	2A, 4B
≤ 3,6 m²		REI 120		✓		3	2,83	3	2,82	2A, 4B
> 3,6 m²		REI 120		✓		3	2,12	3	2,11	2A, 4B
(L1 o L2) 500 - 799 x 2000 - 2670		EI₂90/120, REI 120	✓	✓			Rw = 32 dB			
(L1 o L2) 800 - 1100 x 2000 - 2250		EI₂90/120, REI 120	✓	✓			Rw = 36 dB			
(L1 o L2) 1101 - 1330 x 2000 - 2250		EI₂90/120, REI 120	✓	✓			Rw = 35 dB			
(L1 o L2) 800 - 1330 x 2251 - 2670		EI₂90/120, REI 120	✓	✓			Rw = 34 dB			
1250 * - 2300 x 1775 - 2150		ALL	✓	✓	✓					C1

* = only for single leaf with window

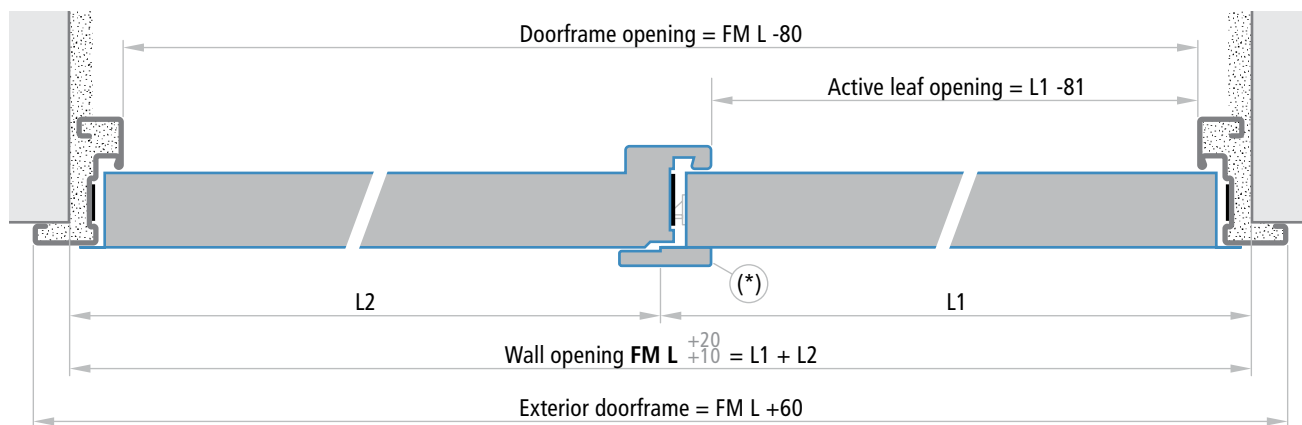
One-leaved doors - Horizontal cross section



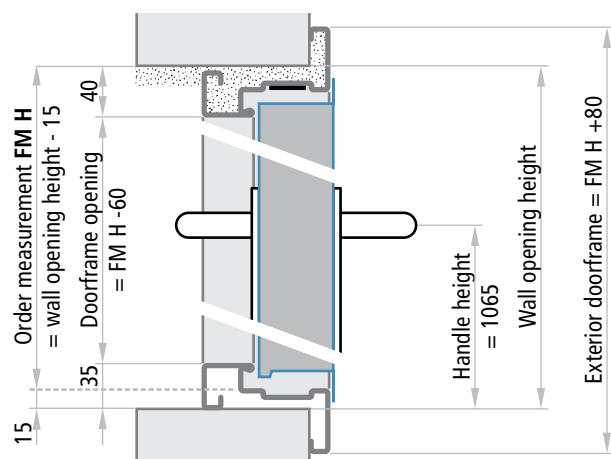
Doors without lower threshold - Vertical cross section



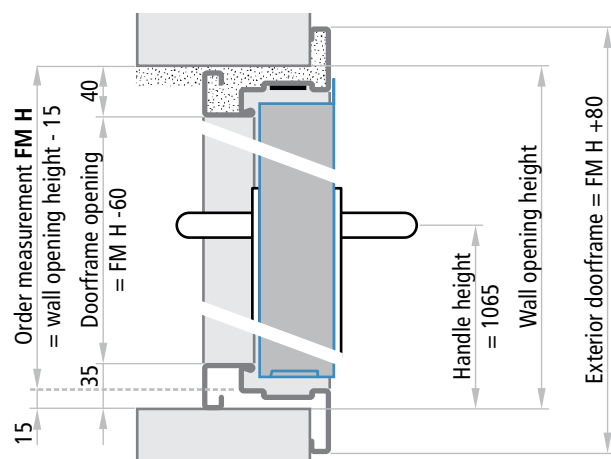
Two-leaved doors - Horizontal cross section



One-leaved doors with frame on 4 sides and leaf with lower rebate - Vertical cross section



One-leaved doors with frame on 4 sides and leaf without lower rebate - Vertical cross section



Leaf thickness

El₂60, El₂90, El₂120, REI 60, REI 120 60 mm

NOTE

The tolerances FM L +20/-10, FM H +15/-5 of the indicated measurements make it easier to fill the gap between the wall and the doorframe with cement mortar.
For dry wall installation, the holes must be precise and greater tolerance ranges should not be employed.
(*) Proget El₂90 two leaved doors feature an additional central rebate profile, which is applied onto the active leaf.

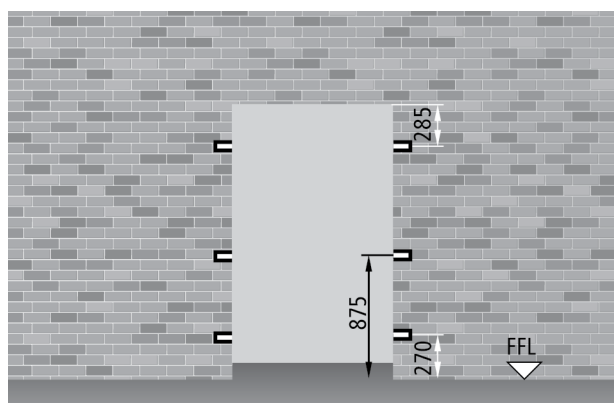
INSTALLATION WITH ANCHORS FOR MORTAR FIXING

The standard installation method for Proget doors is to use the anchors for mortar fixing. Appropriate cuts will need to be created in the walls (section 80 x 200 mm). The anchors should be bent and blocked inside the wall. For fire sealing purposes and a perfect mechanical fit, the space between the doorframe and the masonry shall always be filled with concrete mortar.

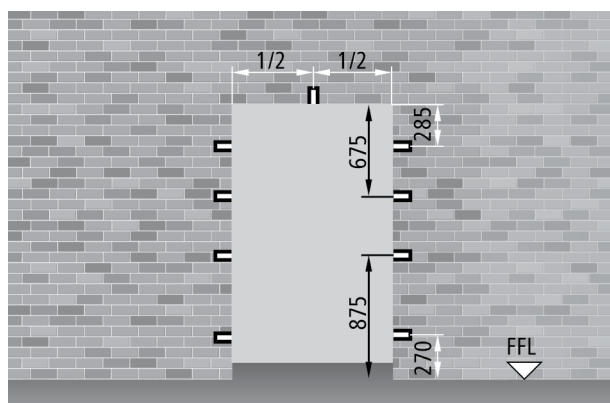


One-leaved doors

FM L = from 500 to 1035 x FM H = from 1775 to 2200

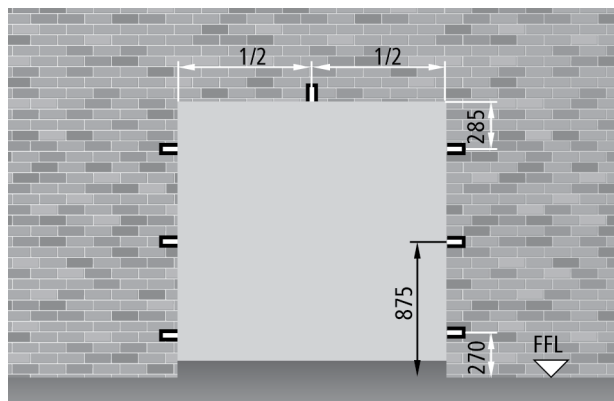


FM L greater than 1035 and/or FM H greater than 2200

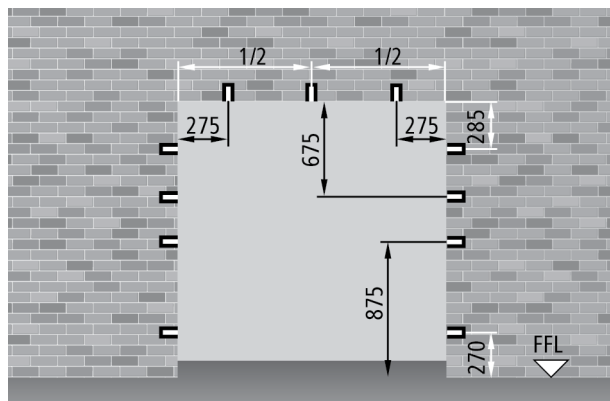


Two-leaved doors

FM L = from 850 to 2070 x FM H = from 1775 to 2200



FM L greater than 2070 and/or FM H greater than 2200



NOTE

For proper installation, the cuts for the anchors should be 80 x 200 mm in size.

DRY WALL INSTALLATION ONTO THE SUBFRAME WITH SCREWS

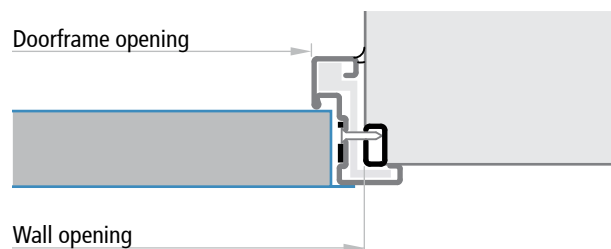
Installation method certified for one- or two-leaved REI 60 and REI 120 doors, in conformity with UNI 9723 standard, for screw fixing onto metal subframes in the walls.

Subframes need to be ordered separately from the door. Make sure measurements correspond to the door's FM L x FM H measurements.

For the technical characteristics of the subframe, see the specific page of the section "accessories doors".

The supplied doorframe comes factory heat-insulated with special materials and includes corner joints and a lower spacer (except for one-leaved doors with frame on four sides) to be added on site.

The subframe method allows a "dry wall" installation of the doors, making an installation onto finished masonry possible.



INSTALLATION FOR EXPANSION SCREWS FIXING

Installation method certified for: one- or two-leaved EI₂60, REI 60, REI 120, EI₂90 two-leaved and EI₂120 one-leaved doors, for expansion screws. Designed for installations onto blockwork, masonry or homogenous concrete wall, with density of (1200±400)kg/m³ and a thickness of (200±50)mm.

The supplied doorframe comes factory heat-insulated with special materials and includes corner joints and a lower spacer (except for one-leaved doors with frame on four sides) to be added on site.

This method allows for "dry wall" installation of the doors without requiring any additional masonry work. Installation of the door, therefore, becomes a simple mechanical operation plus the final adjustments.

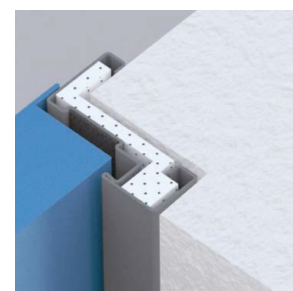
NOTE

Please specify clearly whether the door is for subframe installation or for direct wall installation with expansion screws.

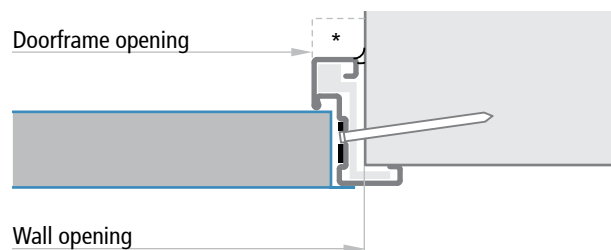
* concealing with concrete mandatory for EI₂90 and EI₂120 fire-rated doors.



EI₂60, REI 60 and REI 120 doors



EI₂90, EI₂120 doors



WALL SCREWS

For direct wall installations or installation onto subframes, special expansion screws should be used without plugs. Please see the "door accessories" pages for more details.

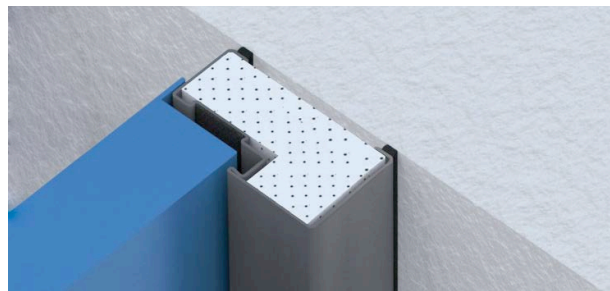


BLOCK FRAME FOR IN THE REVEAL APPLICATION

Installation method certified for one- and two-leaved EL_260 , one-leaved EL_2120 or two-leaved EL_290 doors.

The supplied frame comes factory heat-insulated with special materials and includes corner joints and pre-drilled screw holes on the rebate. Installation for expansion screws (not supplied).

This method allows for "dry wall" installation of the doors without requiring any additional masonry work. Installation of the door, therefore, becomes a simple mechanical operation plus the final adjustments.



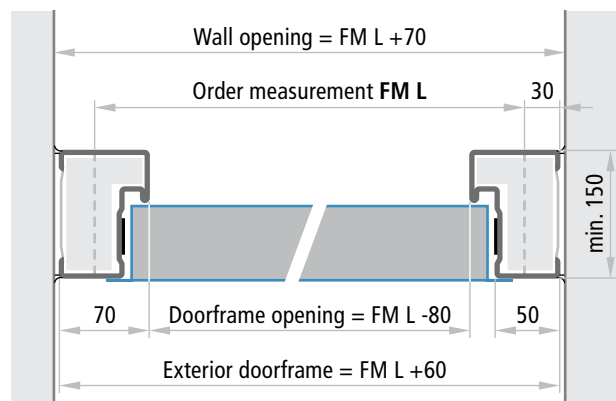
ATTENTION

Acoustic performance values are not valid in case of block frame for in the reveal application.

DOOR CROSS SECTIONS - MEASUREMENTS

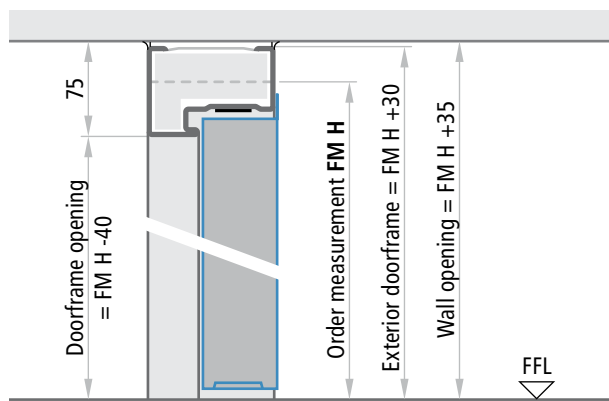
One-leaved doors

Horizontal cross section



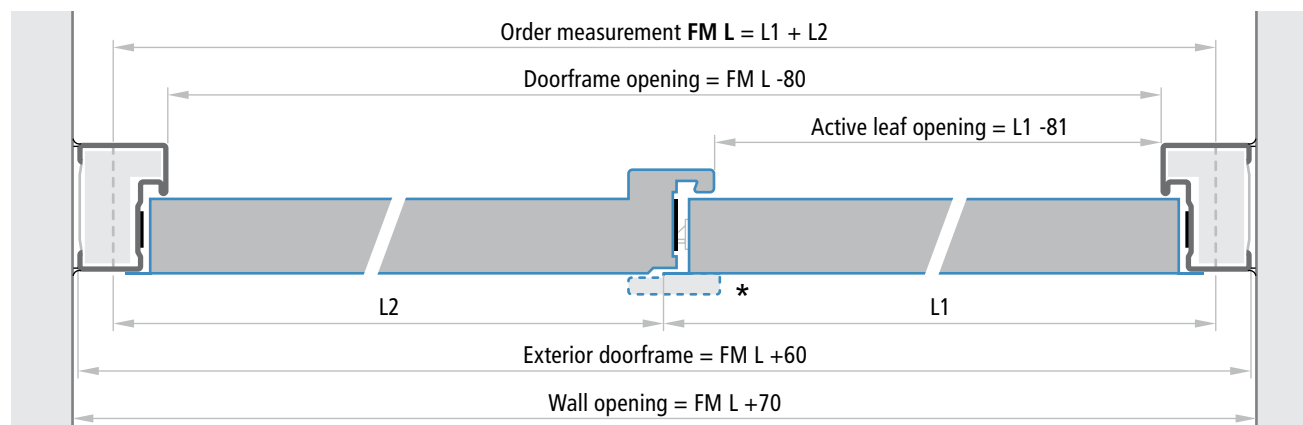
Doors without lower threshold

Vertical cross section



Two-leaved doors

Horizontal cross section



NOTE

Expansion screws recommended:

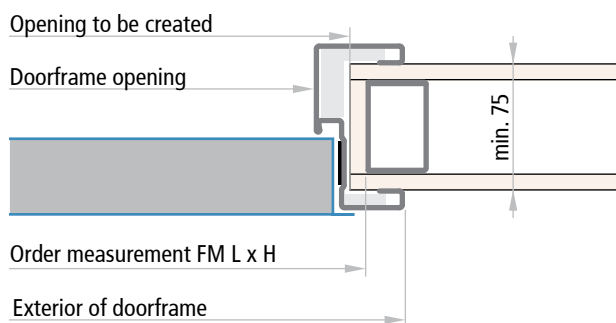
- for light wall Würth type DBL-(WUS-SK)-Z3-180-10x202
- for heavy wall Spit type L 10 - 102/152

(*) Proget EL_290 two leaved doors feature an additional isolated central rebate profile, which is applied onto the active leaf.

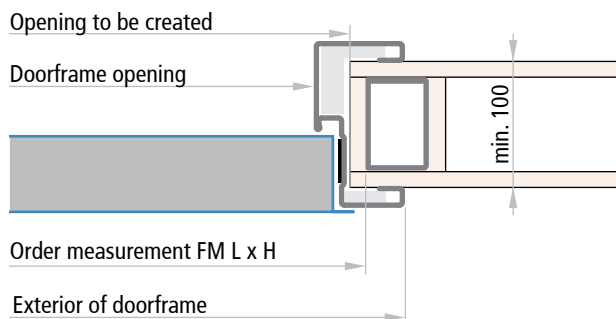
LIGHTWEIGHT CONSTRUCTION INSTALLATION WITH EMBRACING FRAME


Installation method onto lightweight constructions certified for one- or two-leaved EI₂60, REI 60 and REI 120 doors. The supplied frame comes factory heat-insulated with special materials and includes corner joints and pre-drilled screw holes with cover caps.

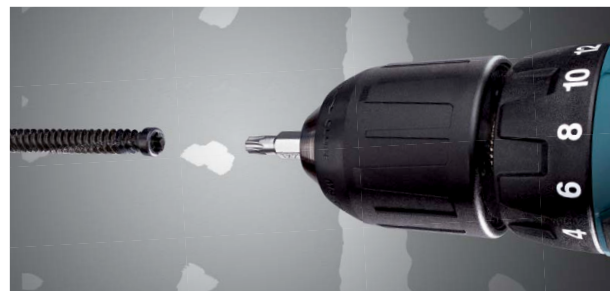
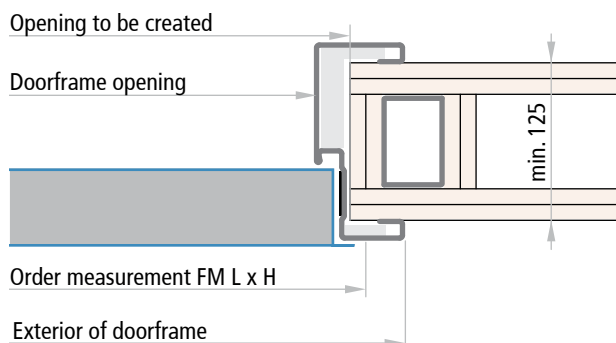
Door cross section and lightweight construction version:  EI₂60



Door cross section and plasterboard version:  REI 60



Door cross section and plasterboard version:  REI 120



Lightweight constructions EI₂60

EI₂60 fire-rated doorsets can be installed onto every wall or partition which is of the board covered type with studs made from metal or timber with a fire resistance equal to or greater than the EI60 supporting construction.

Order measurement	required wall opening	doorframe opening	exterior of doorframe
FM L (width)	FM L - 25 mm	FM L - 80 mm	FM L + 60 mm
FM H (height)	FM H - 12 mm	FM H - 40 mm	FM H + 30 mm

NOTE

Lightweight constructions should be done following the specific door installation instructions.

Plasterboard walls REI 60

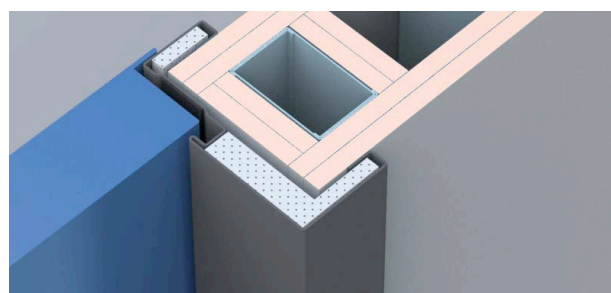
Made using galvanized steel frames with "U"-shaped 75x40mm min. guide profiles, "C"-shaped 75x47mm min. vertical profiles (doubled next to the doorframe), with a single layer of 12,5mm min. thick fire rated plasterboard used as finishing on both sides and on the profiles around the doorframe.

Order measurement	Required wall opening	Doorframe opening	Exterior of doorframe
FM L (width)	FM L - 25 mm	FM L - 80 mm	FM L + 60 mm
FM H (height)	FM H - 12 mm	FM H - 40 mm	FM H + 30 mm

Plasterboard walls REI 120

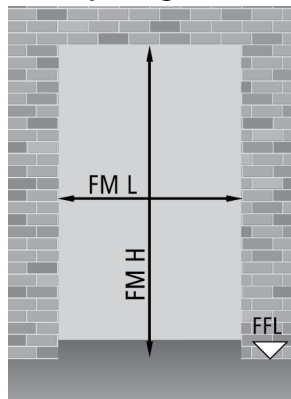
Made using galvanized steel framing with "U"-shaped 75x40mm min. guide profiles, "C"-shaped 75x47mm min. vertical profiles (doubled next to the doorframe), with a double layer of 12,5mm min. thick fire rated plasterboard used as finishing on both sides and on the profiles around the doorframe.

Order measurement	required wall opening	doorframe opening	exterior of doorframe
FM L (width)	FM L - 25 mm	FM L - 80 mm	FM L + 60 mm
FM H (height)	FM H - 12 mm	FM H - 40 mm	FM H + 30 mm

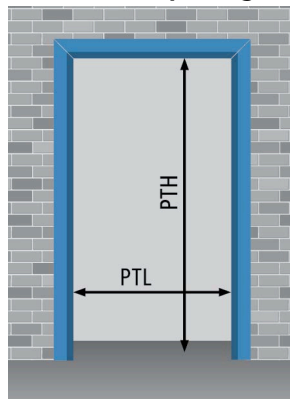


ORDER MEASUREMENTS

Wall opening

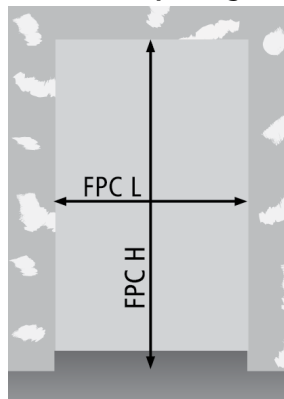


Doorframe opening



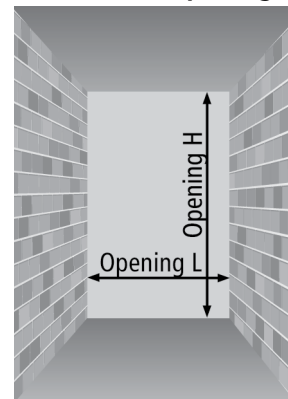
$$\begin{aligned} PTL &= FM L - 80 \\ PTH &= FM H - 40 \end{aligned}$$

Lightweight constructions wall opening



$$\begin{aligned} FPC L &= FM L - 25 \\ FPC H &= FM H - 12 \end{aligned}$$

Block frame opening



$$\begin{aligned} \text{Opening L} &= FM L + 70 \\ \text{Opening H} &= FM H + 35 \end{aligned}$$

NOTE

The wall openings to be created for the embracing frame or the block frame for in the reveal application, do not correspond to the order measurement and therefore should follow the above specifications.

One-leaved doors

FM L x FM H	PT L x PT H (doorframe opening)		fire-rating
standard dimensions	frame on 3 sides	frame on 4 sides	class
800 x 2000 / 2050 / 2100 / 2150 / 2200	720 x 1960 / 2010 / 2060 / 2110 / 2160	720 x 1940 / 1990 / 2040 / 2090 / 2140	EI ₂ 60, EI ₂ 120, REI 60, REI 120
900 x 2000 / 2050 / 2100 / 2150 / 2200	820 x 1960 / 2010 / 2060 / 2110 / 2160	820 x 1940 / 1990 / 2040 / 2090 / 2140	EI ₂ 60, EI ₂ 120, REI 60, REI 120
1000 x 2000 / 2050 / 2100 / 2150 / 2200	920 x 1960 / 2010 / 2060 / 2110 / 2160	920 x 1940 / 1990 / 2040 / 2090 / 2140	EI ₂ 60, EI ₂ 120, REI 60, REI 120
1100 x 2050 / 2100 / 2150 / 2200	1020 x 2010 / 2060 / 2110 / 2160	1020 x 1990 / 2040 / 2090 / 2140	EI ₂ 60, EI ₂ 120, REI 120
1200 x 2050 / 2100 / 2150 / 2200	1120 x 2010 / 2060 / 2110 / 2160	1120 x 1990 / 2040 / 2090 / 2140	EI ₂ 60, EI ₂ 120, REI 120
1300 x 2000 / 2050 / 2100 / 2150 / 2200	1220 x 1960 / 2010 / 2060 / 2110 / 2160	1220 x 1940 / 1990 / 2040 / 2090 / 2140	EI ₂ 60, EI ₂ 120, REI 60, REI 120
1340 x 2050 / 2100 / 2150 / 2200	1260 x 2010 / 2060 / 2110 / 2160	1260 x 1990 / 2040 / 2090 / 2140	EI ₂ 60, EI ₂ 120, REI 120
semi-standard dimensions			
from 670 to 995 x 2000 / 2050 / 2150	from 590 to 915 x 1960 / 2010 / 2110	from 590 to 915 x 1940 / 1990 / 2090	EI ₂ 60
from 710 to 995 x 2000 / 2050 / 2150	from 630 to 915 x 1960 / 2010 / 2110	from 630 to 915 x 1940 / 1990 / 2090	EI ₂ 120
from 546 to 995 x 2000 / 2050 / 2150	from 466 to 915 x 1960 / 2010 / 2110	from 466 to 915 x 1940 / 1990 / 2090	REI 60, REI 120
non standard dimensions			
from 670 to 1340 x from 1950 to 2600	from 590 to 1260 x from 1910 to 2560	from 590 to 1260 x from 1890 to 2540	EI ₂ 60
from 710 to 1340 x from 1900 to 2640	from 630 to 1260 x from 1860 to 2600	from 630 to 1260 x from 1840 to 2580	EI ₂ 120
from 546 to 1340 x from 1775 to 2670	from 466 to 1260 x from 1735 to 2630	from 466 to 1260 x from 1715 to 2610	REI 60, REI 120 anchor fixing
from 600 to 1170 x from 1775 to 2275	from 520 to 1090 x from 1735 to 2235	from 520 to 1090 x from 1715 to 2215	REI 60, REI 120 embracing frame
from 1004 to 1340 x from 2050 to 2500	from 924 to 1260 x from 2010 to 2460	from 924 to 1260 x from 1990 to 2440	REI 60, REI 120 embracing frame
from 600 to 1170 x from 1775 to 2275	from 520 to 1090 x from 1735 to 2235	from 520 to 1090 x from 1715 to 2215	REI 60, REI 120 subframe or expansion screw
from 1004 to 1340 x from 2050 to 2500	from 924 to 1260 x from 2010 to 2460	from 924 to 1260 x from 1990 to 2440	REI 60, REI 120 subframe or expansion screw

Order measurements - Handle height

PROGET Fire doors



Two-leaved doors FM L x FM H

standard dimensions

standard dimensions	PT L x PT H	fire-rating
1150 (800 + 350) x 2000 / 2050 / 2100 / 2150 / 2200	1070 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, REI 60, REI 120
1200 (800 + 400) x 2000 / 2050 / 2100 / 2150 / 2200	1120 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, REI 60, REI 120
1250 (800 + 450) x 2000 / 2050 / 2100 / 2150 / 2200	1170 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, REI 60, REI 120
1250 (900 + 350) x 2000 / 2050 / 2100 / 2150 / 2200	1170 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, REI 60, REI 120
1300 (900 + 400) x 2000 / 2050 / 2100 / 2150 / 2200	1220 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, REI 60, REI 120
1350 (900 + 450) x 2000 / 2050 / 2100 / 2150 / 2200	1270 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, REI 60, REI 120
1350 (1000 + 350) x 2000 / 2050 / 2100 / 2150 / 2200	1270 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, REI 60, REI 120
1400 (1000 + 400) x 2000 / 2050 / 2100 / 2150 / 2200	1320 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, REI 60, REI 120
1450 (1000 + 450) x 2000 / 2050 / 2100 / 2150 / 2200	1370 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, REI 60, REI 120
1600 (800 + 800) x 2000 / 2050 / 2100 / 2150 / 2200	1520 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, El ₂ 90, REI 60, REI 120
1700 (900 + 800) x 2000 / 2050 / 2100 / 2150 / 2200	1620 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, El ₂ 90, REI 60, REI 120
1800 (900 + 900) x 2000 / 2050 / 2100 / 2150 / 2200	1720 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, El ₂ 90, REI 60, REI 120
1800 (1000 + 800) x 2000 / 2050 / 2100 / 2150 / 2200	1720 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, El ₂ 90, REI 60, REI 120
1900 (1000 + 900) x 2000 / 2050 / 2100 / 2150 / 2200	1820 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, El ₂ 90, REI 60, REI 120
2000 (1000 + 1000) x 2000 / 2050 / 2100 / 2150 / 2200	1920 x 1960 / 2010 / 2060 / 2110 / 2160	El ₂ 60, El ₂ 90, REI 60, REI 120

semi-standard dimensions

from 890 (540 + 350) to 2000 (1000 + 1000) x 2000 / 2050 / 2150	from 810 to 1920 x 1960 / 2010 / 2110	El ₂ 60, REI 60, REI 120
from 1175 (600 + 575) to 2000 (1000 + 1000) x 2000 / 2050 / 2150	from 1095 to 1920 x 1960 / 2010 / 2110	El ₂ 90

non standard dimensions

from 890 (540 + 350) to 2540 (1270 + 1270) x from 1775 to 2600	from 810 to 2460 x from 1735 to 2560	El ₂ 60
from 1175 (600 + 575) to 2540 (1270 + 1270) x from 1775 to 2300	from 1095 to 2460 x from 1735 to 2260	El ₂ 90
from 1175 (600 + 575) to 2500 (1250 + 1250) x from 2301 to 2500	from 1095 to 2420 x from 2261 to 2460	El ₂ 90
from 1175 (600 + 575) to 2380 (1200 + 1180) x from 2501 to 2630	from 1095 to 2300 x from 2461 to 2590	El ₂ 90
from 890 (540 + 350) to 2540 (1270 + 1270) x from 1775 to 2670	from 810 to 2460 x from 1735 to 2630	REI 60, REI 120 anchor fixing
from 890 (540 + 350) to 2298 (1164 + 1134) x from 1775 to 2275	from 810 to 2218 x from 1735 to 2235	REI 60, REI 120 embracing frame
from 1962 (996 + 966) to 2540 (1270 + 1270) x from 2050 to 2500	from 1882 to 2460 x from 2010 to 2460	REI 60, REI 120 embracing frame
from 890 (540 + 350) to 2298 (1164 + 1134) x from 1775 to 2275	from 810 to 2218 x from 1735 to 2235	REI 60, REI 120 subframe or expansion screw
from 1962 (996 + 966) to 2540 (1270 + 1270) x from 2050 to 2500	from 1882 to 2460 x from 2010 to 2460	REI 60, REI 120 subframe or expansion screw

NOTE

The following doors with standard measurements are equipped with a CP1 door closer:

El₂90 2 leaves: from 2271 to 2540 x from 2151 to 2300
from 1801 to 2500 x from 2301 to 2500
from 1801 to 2380 x from 2501 to 2630

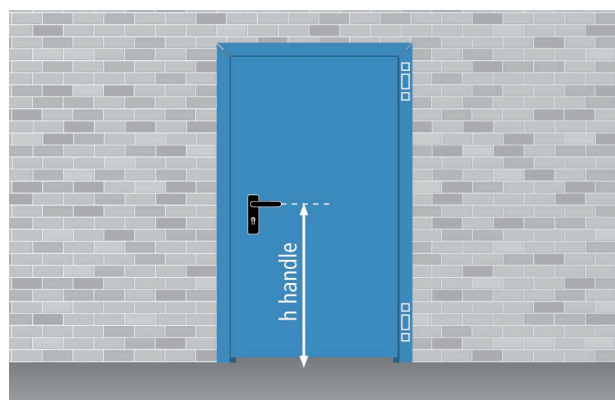
El₂120 1 leaf: from 1126 to 1340 x from 2301 to 2500
from 901 to 1340 x from 2501 to 2640
REI 120 1 leaf: from 1126 to 1340 x from 2301 to 2500
from 901 to 1340 x from 2501 to 2670
2 leaves: from 2251 to 2540 x from 2151 to 2300
from 1801 to 2540 x from 2301 to 2670

HANDLE HEIGHT

One-leaved door

h = 1050 (FM H ≥ 1750).

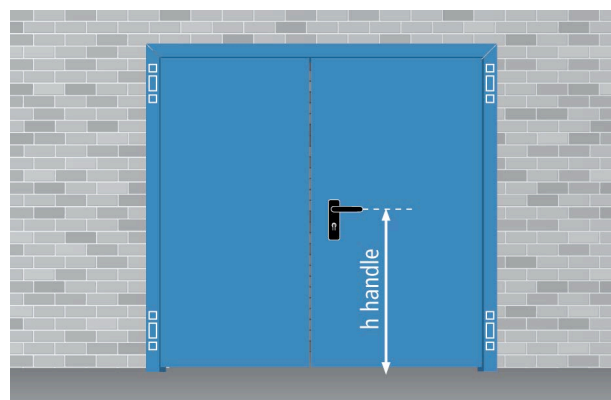
Different heights available upon request only



Two-leaved door

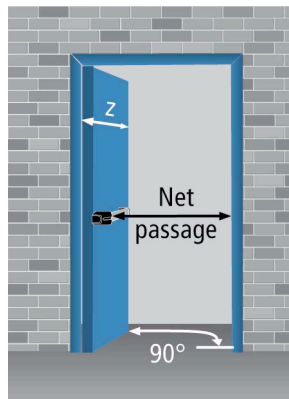
h = 1050 (FM H ≥ 1750)

Different heights available upon request only

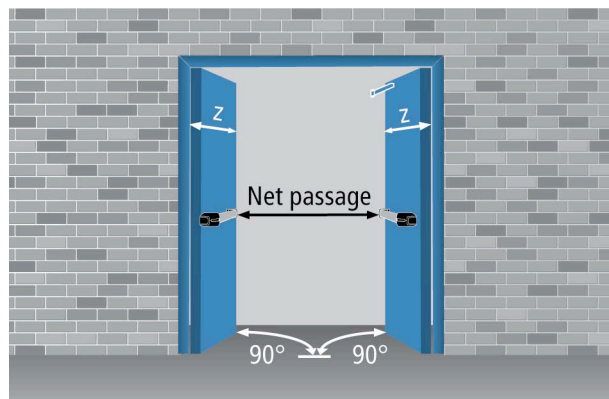


OPENING MEASUREMENTS AND OVERALL DIMENSIONS WITH 90 DEGREE OPENING

One-leaved doors with panic bar



Two-leaved doors with panic bars



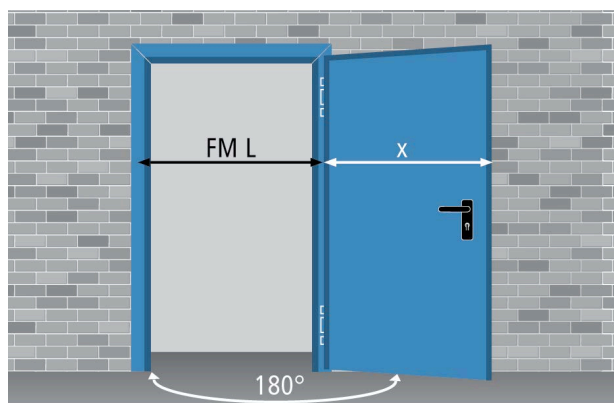
Net passage calculation

panic bar type	protrusion	one-leaved door	two-leaved door	one-leaved door with block frame	two-leaved door with block frame
EXUS	125	FML - 245	FML - 410	Opening - 315	Opening - 480
TWIST	100	FML - 220	FML - 360	Opening - 290	Opening - 430
SLASH	75	FML - 195	FML - 310	Opening - 265	Opening - 380
FAST TOUCH	75	FML - 195	FML - 310	Opening - 265	Opening - 380
without panic bar	-	FML - 120	FML - 160	Opening - 190	Opening - 230
z = leaf protrusion relative to the wall		FML + 27	El ₂ 60, REI 60, REI 120 = L1 + 35, L2 + 75; El ₂ 90 = L1 + 67, L2 + 75		

OVERALL DIMENSIONS WITH 180 DEGREE OPENING

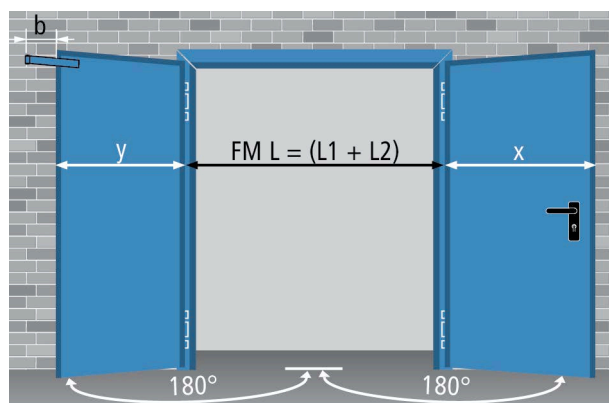
One-leaved door

$x = \text{FML} - 7$



Two-leaved door

El₂60, REI 60, REI 120: $x = L1 + 1$; El₂90: $x = L1 + 33$; $y = L2 + 42$
b = max. 130 (only in the presence of a panic bar or M14 handle)



Painting

This standard door is painted with thermoset powders, anti-scratch orange skin and semi-glossy finish (except for certain colors). The paint is particularly resistant and offers a pleasant finish for interior applications. Choose from a wide range of RAL colors.


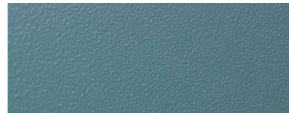


COLORS FOR INTERIOR USE WITHOUT PRICE SUPPLEMENT

Paint for interior use (group 01) with epoxy-polyester powders.

Standard colors (without any specification):
turquoise pastel - lighter tone for the leaf (NCS4020-B50G)
and darker for the frame (NCS5020-B50G).












Other RAL colors are available upon request (to be indicated in the order).























Group 01 - standard colors:		RAL colors upon request:			
leaf color NCS 4020-B50G		RAL 1013	RAL 5010	RAL 7016	RAL 7035
frame color NCS 5020-B50G		RAL 9010			

COLORS FOR INTERIOR USE WITH PRICE SUPPLEMENT

Paint for interior use (groups 02 and 03) available in a variety of RAL colors with epoxy-polyester powders. Doors must be protected from atmospheric agents. Sunlight fades the colors.

Distinct from other RAL colours, metallic tinted paints RAL 9006, RAL 9007 (group 3) and RAL 9006 E (group 04) present a finish with a wrinkled structure that requires pre-approval of a sample.













Group 02:							
RAL 1015	RAL 5024	RAL 6000	RAL 7024	RAL 7038	RAL 8011	RAL 9001	RAL 9002
							
RAL 9011	RAL 9016	RAL 9018					
							

Group 03:							
RAL 1001	RAL 1003	RAL 3000	RAL 3003	RAL 3020	RAL 5012	RAL 5015	RAL 6005
							
RAL 7001	RAL 7004	RAL 7011	RAL 7030	RAL 7032	RAL 7037	RAL 7040	RAL 7042
							
RAL 7047	RAL 8017	RAL 8019	RAL 9005	RAL 9006*	RAL 9007*		
							

*requires pre-approval of a sample.

COLORS FOR EXTERIOR USE WITH PRICE SUPPLEMENTS

Paint for exterior use (group 04) with polyester powders in various RAL colours.

Group 04:							
RAL	RAL	RAL	RAL	RAL	RAL	RAL	RAL
1013E	3000E	5010E	6005E	7016E	7024E	7035E	9002E
							
RAL	RAL	NCS	NCS				
9006E*	9010E	4020E	5020E				
							

*requires pre-approval of a sample.

COLORS ON REQUEST WITH PRICE SUPPLEMENTS

Paint available for interior and exterior use (group 05) with epoxy-polyester and polyester (respectively) powders in the requested RAL colours. Group 05 does not include special colors, such as metallic, mica, smooth or wrinkled texture and other sample colours like Pantone, NCS, etc.

Group 05:	
Colors on request only	

SPECIAL PAINTING ON REQUEST WITH PRICE SUPPLEMENTS

Bacterial proof painting

Paint available for interior and exterior (group 06) with epoxy-polyester and polyester with silver ions additives. On surface painted with this particular treatment, germs are hindered to take root and proliferate, offering good resistance to routine cleaning. Particularly suitable for use on doors intended for health care facilities, food industries, schools and child care, etc.

Graffiti proof painting

Paint for exterior (group 06) that allows, through a special solvent, to easily remove the graffiti. It provides long-lasting protection, allowing repeated cleanings without damaging the finish.

Group 06:	
Colors on request only	

PRECAUTIONS

Installation

In case of exterior installation of the doors, in addition to use special paints which are especially designed for this kind of application (see groups 04 and 05), in order to avoid any product degradation, it is important to:

- protect the doors from bad weather and water seeping in;
- avoid direct sun rays and the subsequent warping of the door 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.

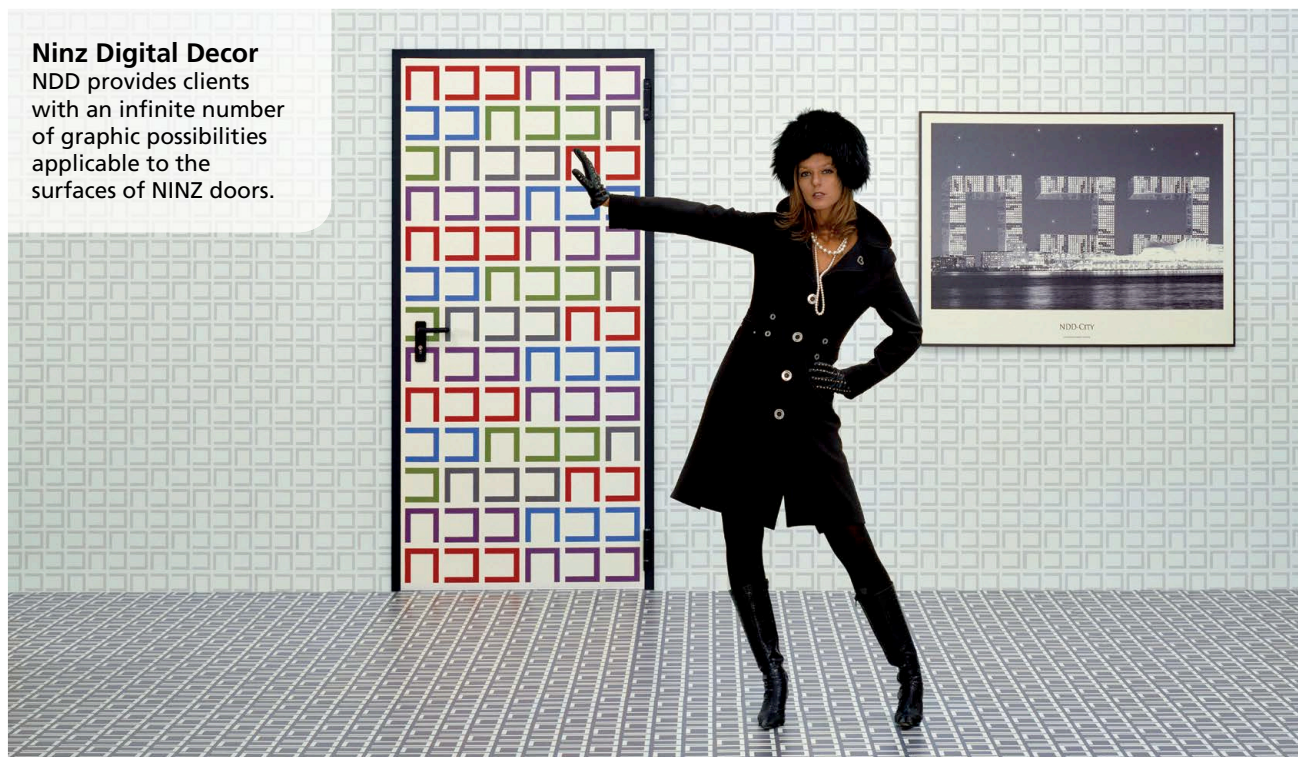
Re-painting

- 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

Upon request, the company Ninz also provides touch-up colors for the required RAL colour paint (nitro/synthetic) in 60 gr. handy bottle with brush cap or in 1,00 kg can.

Ninz Digital Decor
NDD provides clients with an infinite number of graphic possibilities applicable to the surfaces of NINZ doors.



DESCRIPTION

NDD - Ninz Digital Decor decorative painting. Graphic illustrations are applied directly to the flat surfaces of the door leaf after it has been painted with a base coat of polymerized powders. Painting with high-resolution digital print using special ink jets. The application of an additional layer of transparent coating ensures optimal protection of the decorative paint. Decorative NDD painting is available for the entire range of one- and two-leaved Rever, Univer and Proget doors.

awarded with the
security&safety
award

NDD® - Ninz Digital Decor introduces style and design to metal door products. Ninz doors can be directly printed with either your company's logo or designs, materials and symbols selected from a wide variety of NDD®, or also with your preferred artwork or customized images. NDD® introduces innovations to doors as an architectural entity; introducing NDD® can create added value on socio-cultural, economic and emotional dimensions.

The www.ninz.it website illustrates an infinity of continuously updated decorations that have been categorized into eight groups for rapid review. The groups are listed on the next page.

Laboratory testing executed on NDD® samples

	result
500 h exposure test in salt fog	good performance, no sign of deterioration encountered
500 h humidity resistance test	good performance, no deterioration or loss of surface shine
500 h UVA radiation resistance test	good performance, no deterioration or loss of surface shine
Abrasion resistance test after 1000 cycles	the decoration was unaltered
Solvent resistance test	good performance, no deterioration in the decoration or the background paint

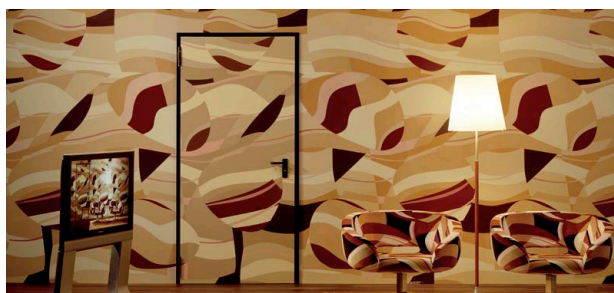
ARTLINE This group includes a wide selection of famous artworks drawn from ancient history up to the present day. These extraordinary designs endow the environment with a special atmosphere as an expression of style.



FANTASY NDD is a data bank of exclusive NINZ images and creations.



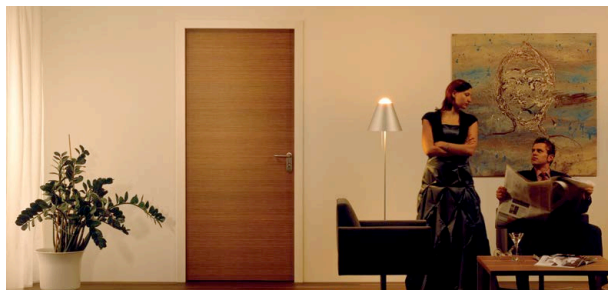
PATTERN Contains an infinite number of NDD decorations and textures created on customer request and available and useable for a diverse variety of applications.



PHOTOGRAPHS This group contains original photos of country sides, objects, animals, environments, etc., with the appropriate foto resolution.



WOOD This set includes an endless variety of realistic imitations of classic, exotic, special and colored types of wood.



STONES This selection includes an endless variety of realistic imitations of marbles, granites and other stones.



PUBLICITY Transforms Ninz doors into a publicity tool for the company and its products. Printing of the logo integrates the door into the company image. A variety of actual applications are reported here.



SYMBOLS Given the particular importance of this group, a special department has been created for workplace safety symbols, room description/labeling symbols, the simple numbering of rooms, etc.



DECORATIONS FROM OUR DATABASE

Doors with decorative NDD painting are supplied with:

- doorframes in the proposed color
- door leaf rebate in the base color of the leaf itself
- hinges in the frame color
- accessories of the type and finishing according to the Ninz door price lists and brochures
- decoration covering the window frame and/or the central upright, require that these are covered with NDD decorated sheet metal

SPECIAL DECORATIONS

New codes and pricing are required for customized decorations and decorations that employ colors not listed in this brochure. In such cases, customers may also be asked to indicate where logos and symbols should be positioned on the door leaf, via the following forms of support:

- **PC-GENERATED FILE** (logos, symbols, designs, etc.) in specialized "Illustrator" or "Freehand" format. Submit the file by e-mail or on a CD/DVD-ROM.
- **DIAPOSITIVE** with a 36 mm or 6 x 6 image of the picture uploaded to a PC using a scanner (professional scanner required). Submit the file (TIF, PDF or JPG format) in **maximum resolution** on CD/DVD-ROM.
- **PHOTOGRAPHIC IMAGE** made with a digital camera. Submit the file (TIF, PDF or JPG format) in **maximum resolution** on CD/DVD-ROM.

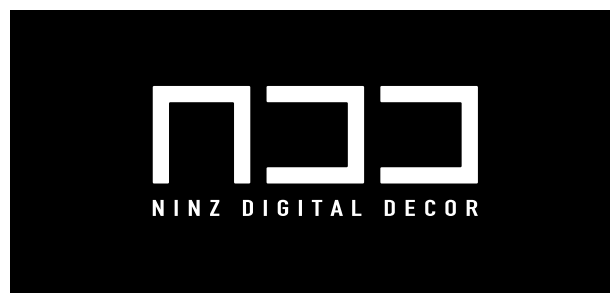
PROTECTION FOR EXTERIORS

The exterior installation of NDD doors requires specific treatments for preventing the decorations from deteriorating over time. The cost supplement covers all door leaf surfaces except for the leaf rebate.

WOODEN CRATE PACKAGING



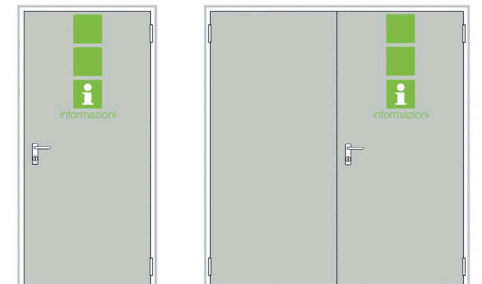
The particularity and prestige of NDD decorations requires a special protection of the doors by packaging them in special wooden crates with an additional layer of external nylon wrapping. At the time of ordering, therefore, the additional cost for the wooden crate must be taken into consideration. Customers who opt for standard packaging on pallets must assume full responsibility in case of damage to the product.



MORE THAN FIREDOORS

EXAMPLE APPLICATIONS IN TYPICAL SURROUNDINGS

Airports - Train stations



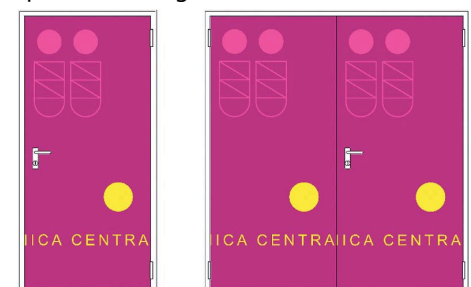
Museums – Historical buildings



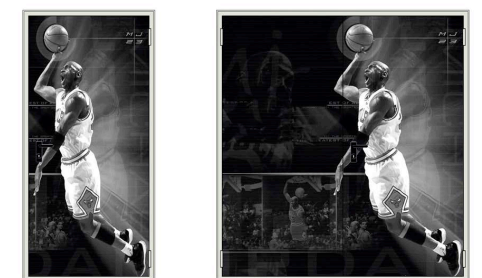
Commercial businesses



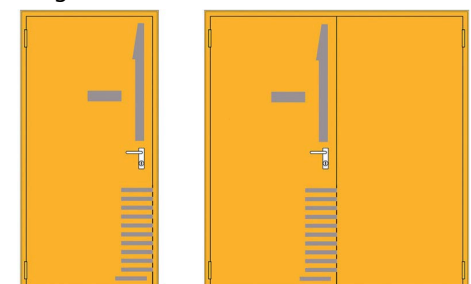
Hospitals – Nursing homes



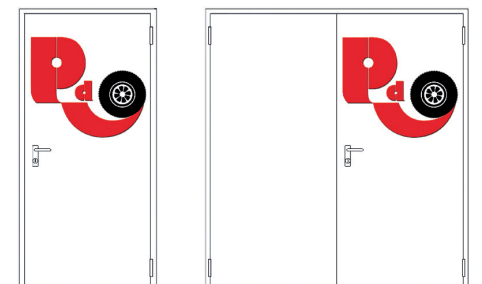
Sport centers – Stadiums



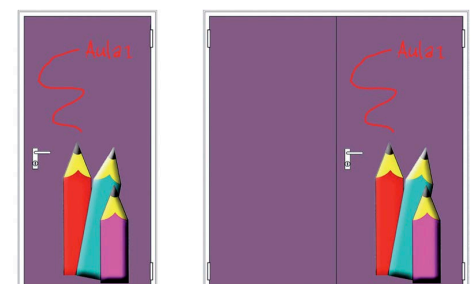
Parking lots



Logistic centers



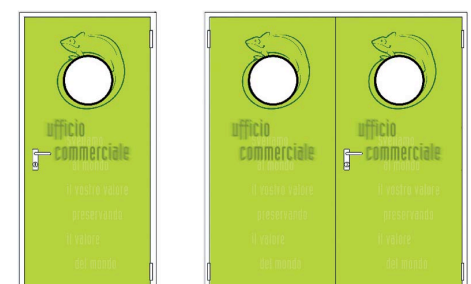
Schools - Universities



Hotels – Residences



Offices



Handles

Standard for REVER - UNIVER - PROGET doors

NINZ[®]
FIREDOORS

BLACK PLASTIC HANDLES

By default Rever, Univer and Proget doors include safety levers coupled with long plates with cylinder holes. Each handle set includes a patent key insert, a 9 x 9mm square spindle, fastener screws and spacers.

M1 HANDLE

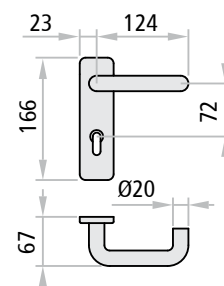
The M1-type handles are supplied as standard for fire-rated Univer, all Proget type doors and, on request, for all other types of NINZ doors.

M1 handles are fire rated consisting of a metal core inside the lever and a galvanized steel cover plate to protect the cylinder hole and have been certified in accordance with DIN 18273:1997-12.

The M1 handle package includes: a pair of black plastic lever with metal cores and galvanized steel installation plates, a pair of black plastic cover plates with patent-type cylinder hole adaptable for installation of Euro profile cylinders, a 125 mm long 9 x 9 square spindle, fastener screws and spacers. The package includes also the hexagonal key for setting of the hinges and fastening of the spring screw.



M1 plastic handle



Handles

For locks with an inter-axis distance of 72 mm

COLORED HANDLES

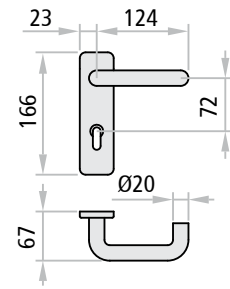
On request, painted resin handles can be provided which match or provide better contrast with the base color of the door.

M1C and M2C handles are fire rated like the M1 handle, and have also been certified in accordance with DIN 18273:1997-12.

The M1C and M2C handles package consist of: one pair of lever handles (M1C) or the handle/ doorknob combination (M2C) made of plastic with a metal core and galvanized steel installation plate, a pair of plastic cover plates with a Euro profile cylinder hole, a 9x9mm square spindle, fastener screws and spacers.



M1C handle colored RAL1023



Colors available:

RAL	RAL	RAL	RAL	RAL
1023	7016	7035	9006*	9010

*light aluminum

STAINLESS STEEL HANDLES

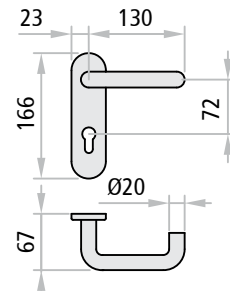
On request, brushed stainless steel AISI 304 levers and cover plates can be provided which endow the product with a higher quality while at the same time ensuring optimal corrosion resistance and a noteworthy robustness of the entire set.

In addition, M1X, M2X, M11X and M20X handles are equipped with a return spring that maintains perfect alignment with the geometry of the door.

They are mounted on a galvanized steel mechanism and are supplied with fastener screws, spacers and a 9x9mm square spindle (where required).



M1 stainless steel handle



NOTE

Euro profile cylinder to be ordered separately (except for M11X and M20X handles).

Only M1C, M1X and M11X models are combinable with the three point locking mechanism.

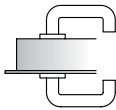
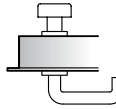
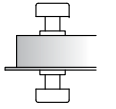

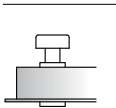
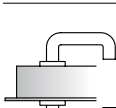
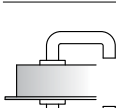
Handles

For locks with an inter-axis distance of 72 mm



HANDLES

Rever, Univer and Proget doors may be equipped on request with handles with special functions other than those provided by standard handles.

Versions			description	functioning	use
	M1, M1R, M1C	M1X	handle/handle combination with cylinder hole on both sides. For combination with lock with an inter-axis distance of 72 mm (015)	door opening by handle or key from both sides	applications in which both door opening directions are accessible without key
	M2, M2C	M2X	handle/doorknob combination with cylinder hole on both sides. For combination with lock with an inter-axis distance of 72 mm (015)	the doorknob side requires the key for opening	applications in which only one of the door opening directions is accessible with a key
	M4	M4X	doorknob/doorknob combination with cylinder hole on both sides. For combination with lock with an inter-axis distance of 72 mm (015)	both sides require the key for opening. The doorknobs serve for pushing or pulling the door	applications in which both door opening directions are accessible by key only
	M5	M5X	plate/plate combination with cylinder hole on both sides. For combination with lock with an inter-axis distance of 72 mm (015)	both sides require the key for opening	applications in technical rooms with doors that usually remain closed and require key for opening
	M9	M9X	doorknob/plate combination with cylinder hole on both sides. For combination with lock with an inter-axis distance of 72 mm (015)	both sides require the key for opening. The doorknobs serve for pulling the door	applications in which both door opening directions are accessible by key only
	M11	M11X	handle/handle combination without cylinder hole. For combination with lock with an inter-axis distance of 72 mm (015)	opening is possible at any time using the handle	applications in which the door never needs to be locked
	M20	M20X	handle/handle and thumbturn latch combination for interior closure. For combination with lock with star-shaped spindles only (Stel 15)	closure using thumbturn latch from inside. Emergency opening from outside with screwdriver	typical closure for bathroom doors

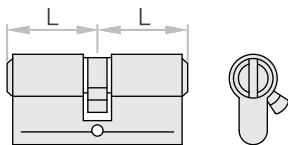
NOTE

For stainless steel handle the Euro profile cylinder must be ordered separately (except for M11X and M20X handles). Only M1, M1C, M1X, M11 and M11X models are combinable with the three point locking mechanism.

CYLINDERS

On request Rever, Univer and Proget doors with standard locks (Std 015), MAC2 system control access locks or three-point locking mechanisms (3vie PRO) may be supplied with a Euro profile cylinder with three keys. They may also be provided in unique coding or group coded versions, or in combination with unique or group mastering.

Cylinders for handles



Nickel-plated cylinder equipped with 3 keys

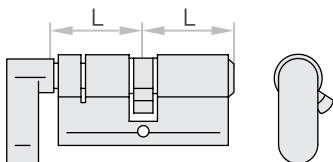
Versions available

standard cylinder
single coded cylinder
group coded cylinder
sample key coded cylinder
single mastered cylinder
group mastered cylinder

ATTENTION

It is important to specify MAC lock combinations in the order.

Cylinders with thumbturn latch



Nickel-plated cylinder with chrome-plated thumbturn latch equipped with 3 keys

Versions available

standard cylinder with thumbturn latch
group coded cylinder with thumbturn latch
sample key coded cylinder with thumbturn latch
single mastered cylinder with thumbturn latch
group mastered cylinder with thumbturn latch
mastered and emergency cylinder with thumbturn latch

NOTE

Cylinders to be combined with locks of NINZ doors must meet DIN 18254 standards.

Main, master and/or emergency key (or keys) should be ordered separately - they are not included with the cylinder.



Lengths available

for door leaf thickness

40/40	60 mm
35/35	50 mm
30/30	40 mm



Lengths available

for door leaf thickness

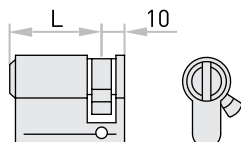
40/40	60 mm
35/35	50 mm
30/30	40 mm

CYLINDERS FOR PANIC BARS AND MSC HANDLES

Standard panic bars are supplied with a Euro profile cylinder with three keys.

Cylinders with single coding, grouped coding or in combination with single or grouped mastering.

Cylinders to be combined with MSC handle and panic bars (except EXUS DC)



Nickel-plated cylinder equipped with 3 keys

Versions available

standard half cylinder
single coded half cylinder
group coded half cylinder
sample key coded half cylinder
single mastered half cylinder
group mastered half cylinder



Lengths available

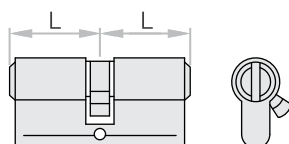
for door leaf thickness

Lengths available	for door leaf thickness
40/10	60 mm
35/10	50 mm
30/10	40 mm

ATTENTION

It is important to specify MAC lock combinations in the order.

Cylinders to be combined with EXUS DC panic bars



Nickel-plated cylinder equipped with 3 keys.

Versions available

standard cylinder
single coded cylinder
group coded cylinder
sample key coded cylinder
single mastered cylinder
group mastered cylinder



Lengths available

for door leaf thickness

Lengths available	for door leaf thickness
45/40	60 mm
40/40	50 mm
35/35	40 mm

NOTE

Cylinders to be combined with the locks of NINZ doors must meet DIN 18254 standards.

Main, master and/or emergency key (or keys) should be ordered separately - they are not included with the cylinder.

CONFIGURED AS NEEDED!

NINZ asks its partners to specify the system in the form of a key plan which, when prepared with care, serves as a map for optimizing the required intervention times (from order to installation) while ensuring that the mastering system meets the specific needs being requested.

Here are a few of the configurations that are available:

1) Standard

Cylinders with different keys.

2) Single coded

Cylinders with the same keys.

3) Grouped coded

Cylinders from the same group are coded alike.

4) Main/master key systems

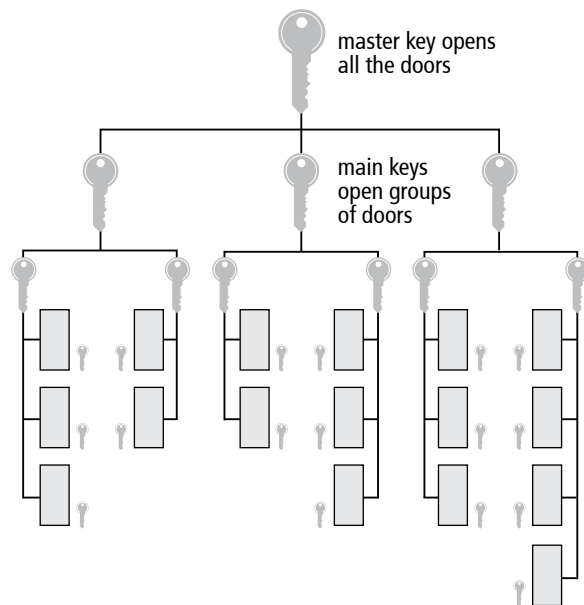
Grouped master key system in which each cylinder can be opened with its own key or with a master key that can open cylinders from one group but not others; a general master key can open all cylinders from all different groups. Standard cylinders closed from the interior with a thumb-turn latch cannot be opened with the main/master key.

5) Frictioned emergency

"Frictioned cylinder" means that the main or master key can only open doors that have not been closed from inside, while the same doors can still be opened with the emergency key.

6) Encrypted with sample key

Sample key coding allows for cylinders to be coded on the basis of a sample key supplied by the customer.



Key plan example for master key systems.

KEYS

The order should specify the number of keys to be supplied with the mastered cylinders.

Versions available

normal key	opens the single door only
main key	opens all doors from the same group
master key	opens all the doors that have grouped mastering
emergency key	opens all doors



Key

DOOR CLOSER

The door closer regulates the closure of the door so that the door leaf returns properly to its final closed position after being released. Regulation is influenced by closure force, speed and the final impact.

Although Univer and Proget doors are equipped with spring hinges for automatic closure, the installation of door closers is recommended for wide and/or heavy doors and/or in the presence of windows on the leaf.

The door closer product is addressed by EU directive 89/106/CEE, which means it is subject to **CE** marking.

CP1 with scissor arm

CE marked in conformity with EN 1154.

Rever, Univer and Proget doors are available, on request, with an overhead CP1 door closer with a silver-colored scissor arm.

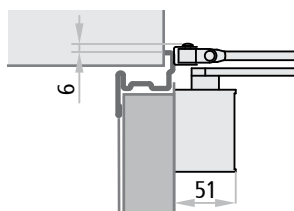
The silver-colored CP1-G door closer is available for Proget doors, for installation on the push side of the door.

The CP1/CP1-G can be used for fire rated doors and is classified for 180° closure with a force varying from 3 to 4.

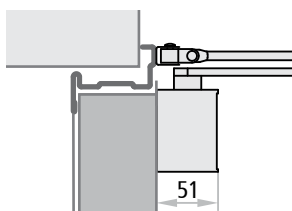
Proget doors ordered with CP1 are provided with pre-drilled installation holes on the door leaf and the frame. Standard Univer and Proget doors include internal reinforcements for the CP1 application.

NOTE

Arm protrusion = 290 mm



CP1 REVER

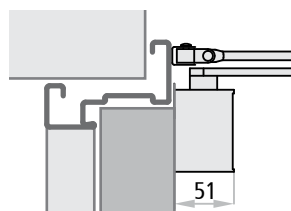


CP1 UNIVER

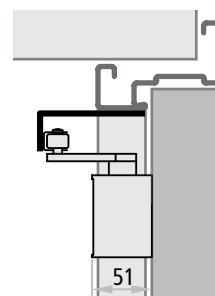


Optional colors (except CP1-G):

dark bronze RAL 9016 RAL 9005



CP1 PROGET (from pull side)



CP1-G PROGET (from push side)

CP2 with slide channel

CE marked in conformity with EN 1154.

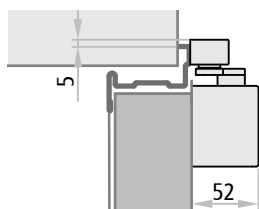
On request Rever, Univer and Proget doors are available with an overhead CP2 door closer with slide channel. Relative to the CP1, the advantage of this system is the absence of a protruding of scissor arm.

The CP2 is suited for use on fire rated doors and has been classified for 180° closure with force level 4.

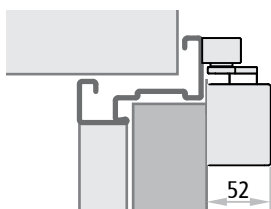
The silver-colored CP2-G door closer is available for Proget doors, for installation on the push side of the door, with force level 3.

Minimum wall opening width of 1200 mm for two leaved doors with two CP2/CP2-G applied.

Proget doors ordered with CP2 are provided with pre-drilled installation holes on the door leaf and the frame. Standard Univer and Proget doors include internal reinforcements for the CP2 application.



CP2 UNIVER

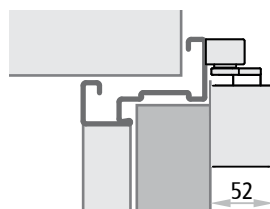


CP2 PROGET

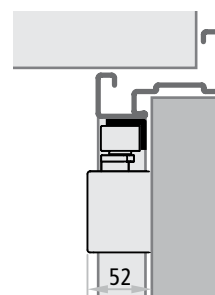


Optional colors (except CP2-G):

dark bronze RAL 9016 RAL 9005



CP2 PROGET (from pull side)



CP2-G PROGET (from push side)

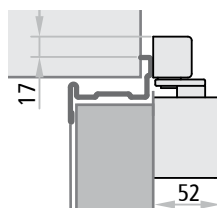
CP2-EMF with slide channel and electro-mechanical hold open device

CE marked in conformity with EN 1154 and EN 1155.

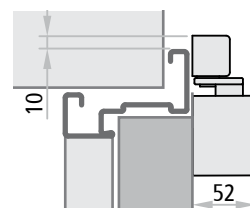
The CP2-EMF differs from the CP2 in that it has an electro-mechanical hold-open device that allows the door leaf to be locked at an angle ranging from 80° to 120°. During alarms or power outages, the hold-open device is unlocked and the door is closed by the door closer.

The CP2-EMF can be used on fire doors and has a maximum opening range of 120°, with a closing force set at 4. Minimum wall opening width of 1200 mm for two leaved doors with two CP2-EMF applied.

Proget doors ordered with CP2-EMF are provided with pre-drilled installation holes on the door leaf and the frame. Standard Univer and Proget doors include internal reinforcements for the CP2-EMF application.



CP2 EMF UNIVER



CP2 EMF PROGET

Model	maximum opening in the absence of obstacles			power supply	absorption	CE certification	standard
	one-leaved door	active leaf	inactive leaf				
CP1 - CP1-G	180°	180°	180°	-	-	0432-BPR-0054	EN 1154
CP2	175°	175°	175°	-	-	0432-BPR-0051	EN 1154
CP2-G	120°	120°	120°	-	-	0432-BPR-0051	EN 1154
CP2-EMF	120°	120°	120°	24V DC	58,3 mA	0432-BPR-0051 0432-BPR-0025	EN 1154 EN 1155
CP2-EMF-V	120°	120°	120°	48V DC	45,8 mA	0432-BPR-0051 0432-BPR-0025	EN 1154 EN 1155

NOTE

For the automatic closing of doors exposed to strong winds, the use of a door closer with a higher closing force is recommended.

Closing regulators

For UNIVER - PROGET fire doors

CLOSING REGULATOR

Closing regulators administer the closure of two-leaved doors so that the inactive leaf is overlaid on the active leaf upon final closure. This is why it is mandatory to apply closing regulators to all two-leaved fire doors.

RC/STD

CE marked in conformity with EN 1158.

The RC/STD closing regulator device is distinct from the door closer and is a standard element of all Univer and Proget two-leaved fire doors.

In Proget doors the closing regulator is inserted into the upper horizontal groove of the frame, while in Univer doors it is supplied separately with an anchoring rod to be installed on site. In comparison with other regulators which are separate from the door closer, the advantage of the RC/STD regulator is that it is not visible when the door is closed.

The RC/STD regulator is suited for use on fire doors and is classified for forces ranging from 3 to 5.

ATTENTION

In case of two-leaved Proget fire-rated doors with environmental characteristics it is mandatory to apply the RC2 closing regulator (to be ordered separately) instead of the RC/STD.

RC2 system

CE marked in conformity with EN 1154 and EN 1158.

The self-closing RC2 system for the self closing of two-leaved doors incorporate two CP2 with force EN 4 with a slide channel and a regulator integrated in the upper sliding guide. The entire system is silver colored.

The silver-colored RC2-G system is available for Proget doors, for installation on the push side of the door, with force EN 3.

Proget fire doors with environmental characteristics must be ordered endowed with the RC2 system.

On request, two-leaved Univer and Proget doors are available with an RC2 regulator instead of the RC/STD.

The RC2/RC2-G system presents clear advantages:

- no protruding door-closer arms
- regulator concealed in the upper guide (even when the door is open)
- controlled closure of both leaves

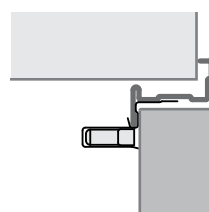
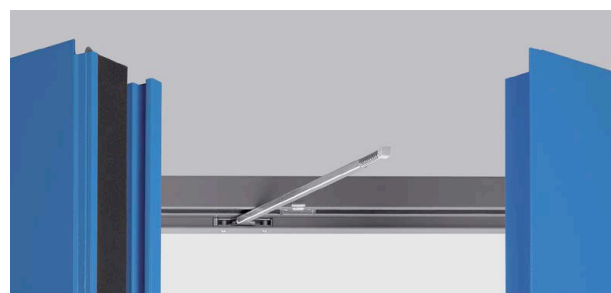
The RC2 regulator is suited for use on fire doors and is classified for both door closers with force EN 4; the RC2-G regulator is suited for use on Proget fire doors (installation from pull side) and is classified for both door closers with force EN 3.

Minimum wall opening width: 1200 mm for the RC2; 1500 mm for the RC2-G. Minimum inactive leaf width: 370 mm for the RC2; 600 mm for the RC2-G.

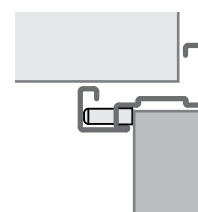
Proget doors ordered with RC2 are provided with pre-drilled holes for the installation of two CP2 door closers on the leaves and the slide channel on the frame. The installation holes in Univer doors need to be drilled on site for anchoring to the internal reinforcement of the leaves.

There are two systems for applying it to the door:

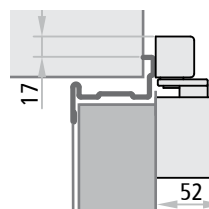
- separated from the self-closing system of the spring hinge or the door closer
 - incorporated into the closure system of the door closer
- Closing regulators are addressed by EU directive 89/106/CEE, which means they are subject to CE marking.



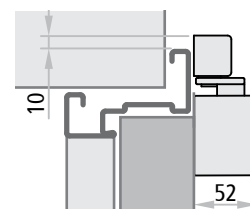
UNIVER



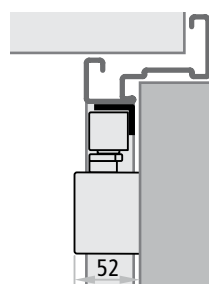
PROGET



RC2 UNIVER



RC2 PROGET (from pull side)



RC2-G PROGET (from push side)

Optional colors (except RC2-G):

dark bronze RAL 9016 RAL 9005



Closing regulators

For UNIVER - PROGET fire doors

RC2-EMF1 system

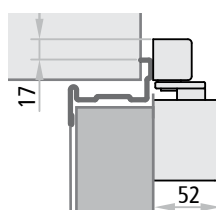
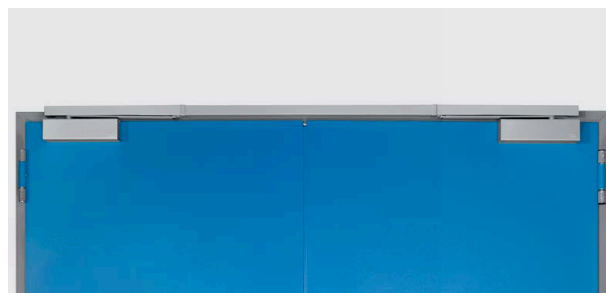
CE marked in conformity with EN 1154, EN 1158 and EN 1155. The RC2-EMF1 system differs from the RC2 in that it has an electro-mechanical hold-open device that allows the door leaf to be locked at an angle ranging from approx. 80° to 130°. The active leaf is held open by the closing regulator system. During alarms or power outages, the hold-open system is unlocked and the door is closed by the door closer. The entire system is provided in the standard silver color.

The RC2-EMF1 system presents multiple advantages:

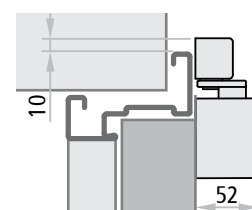
- possibility of holding the leaves open in the desired position
- no visible magnets
- no protruding door closer arms
- regulator concealed in the upper guide (even when the door is open)
- controlled closure of both leaves

The RC2-EMF1 system is suited for use on fire rated doors and is classified for both door closers with force level EN 4. Minimum wall opening width of 1200 mm and minimum of 370 mm for the inactive leaf.

Proget doors ordered with RC2-EMF1 are provided with pre-drilled installation holes on the door leaf and the frame. The Univer door series includes internal reinforcements for application of the two door closers.



RC2-EMF1 UNIVER



RC2-EMF1 PROGET

Model	maximum opening in the absence of obstacles			absorption	CE certification	standard
	active leaf	inactive leaf	power supply			
RC/STD	180°	180°	-	-	0425-ICIM-1153	EN 1158
RC2	175°	175°	-	-	0432-BPR-0051	EN 1154
					0432-BPR-0026	EN 1158
RC2-G	120°	120°	-	-	0432-BPR-0051	EN 1154
					0432-BPR-0026	EN 1158
RC2-EMF1	175°	130°	24V DC	58,3 mA	0432-BPR-0051	EN 1154
					0432-BPR-0025	EN 1155
					0432-BPR-0026	EN 1158
RC2-EMF1-V	175°	130°	48V DC	45,8 mA	0432-BPR-0051	EN 1154
					0432-BPR-0025	EN 1155
					0432-BPR-0026	EN 1158

NOTE

For the automatic closing of doors exposed to strong winds, the use of a door closer with a higher closing force is recommended.

Automatic door sweep

For NINZ doors

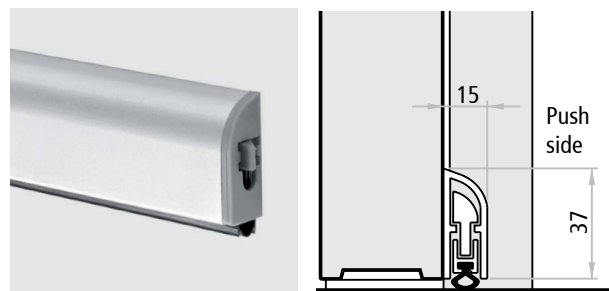


AUTOMATIC DOOR SWEEP

On request, Rever, Univer and Proget doors are available with an automatic door sweep to prevent air drafts from entering through the crack between the leaf and the floor. It complements the FF sealing applied to the frame to provide better acoustic insulation and better air sealing for the door.

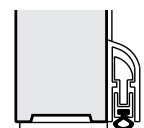
It is applied on the push side by using screws to attach it directly to the sheet metal of the door, after which the mechanism is completely covered with an anodized aluminum profile. On request, it can also be provided in the same color as the door leaf.

It is applied on site following door installation so that it can be adjusted to the actual leaf height.



FIELDS OF APPLICATION FOR THE AUTOMATIC DOOR SWEEP

PROGET fire and multipurpose doors



1 leaf/active or inactive

FM L one-leaved door	L1 active leaf	L2 inactive leaf	seals to be used
from 500 to 520 mm	from 500 to 520 mm	from 350 to 435 mm	L 430 mm
from 521 to 620 mm	from 521 to 620 mm	from 436 to 535 mm	L 530 mm
from 621 to 720 mm	from 621 to 720 mm	from 536 to 635 mm	L 630 mm
from 721 to 820 mm	from 721 to 820 mm	from 636 to 735 mm	L 730 mm
from 821 to 920 mm	from 821 to 920 mm	from 736 to 835 mm	L 830 mm
from 921 to 1020 mm	from 921 to 1020 mm	from 836 to 935 mm	L 930 mm
from 1021 to 1120 mm	from 1021 to 1120 mm	from 936 to 1035 mm	L 1030 mm
from 1121 to 1220 mm	from 1121 to 1220 mm	from 1036 to 1135 mm	L 1130 mm
from 1221 to 1320 mm	from 1221 to 1320 mm	from 1136 to 1235 mm	L 1230 mm
from 1321 to 1340 mm	from 1321 to 1330 mm	from 1236 to 1330 mm	L 1330 mm

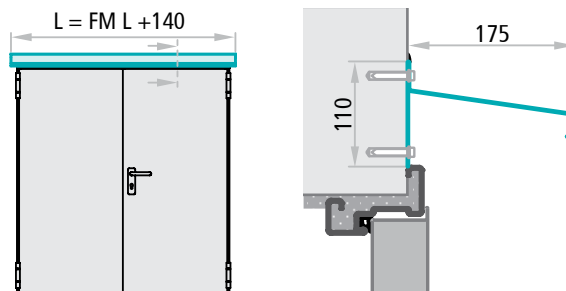
ROOFING

Upon request for Univer and Proget doors, to be ordered together with the door.

Conceived for exterior use of metallic doors, the roofing protects against infiltration of rain from above between the door edge and the rebate of the frame. The small protrusion and RAL painting for exterior use in the same color of the frame complete the design of the door.

To be applied onto the wall, in contact with transom.

Made out of galvanized sheet metal with thickness 10/10 mm, painted with RAL for exterior use (in the frame color), complete with holes for fixing to the wall (screws and plugs excluded). Available for doors with FM L from 500 to 2660 mm (supplied in two elements for FM L > 2360 mm).



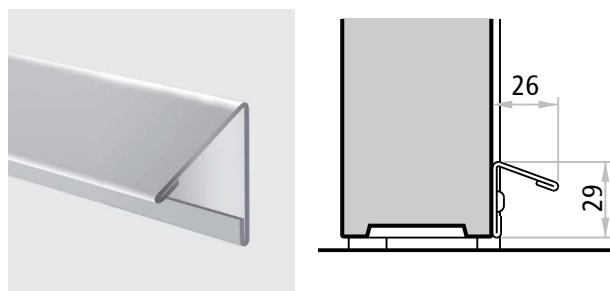
ATTENTION

The roofing performs the function of a barrier against vertical rain limited to the upper part of the door. Therefore the roofing does not protect any eventual window or ventilation louvers on the door, so for these cases provide canopies or awnings for a complete protection of the product.

DRIP-STEEL PROFILE

On request for Univer and Proget one-leaved doors. Normally used to prevent condensation from dripping down the door leaf and puddling beneath the door. The profile is made of "Sendzimir" processed galvanized sheet metal painted the color of the door leaf.

It is applied usually on the push side of the leaf on site after being cut to measure, to be attached with the screws provided.



Lengths available	FM L door leaf
828 mm	to 800 mm
928 mm	to 900 mm
1028 mm	to 1000 mm
1378 mm	to 1350 mm

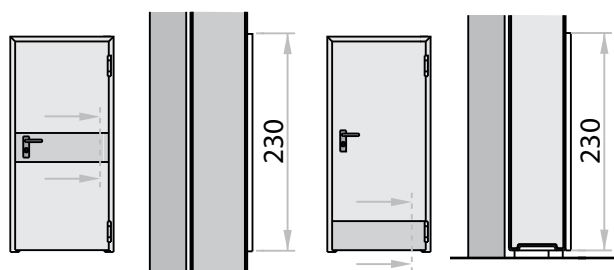
PROTECTIVE PLATES AND KICKPLATES

On request for 1 and 2 leaf Univer and Proget doors, specifying the side of application (pull or push).

Their main function is to protect the parts of the door that are vulnerable to being scraped by carts, hospital beds, etc.

They are made of AISI 304 brushed stainless steel sheet metal with a standard height of 230 mm.

For on-site attachment with two-sided adhesive factory applied on the back, at the bottom of the door (kick plate) or at handle height (protective plate).



Protection plates

Kick plates



Holes are factory prepared for the passage of the handle panel and cylinder



Example of application on the push side

Wall screws - Subframe

For NINZ doors

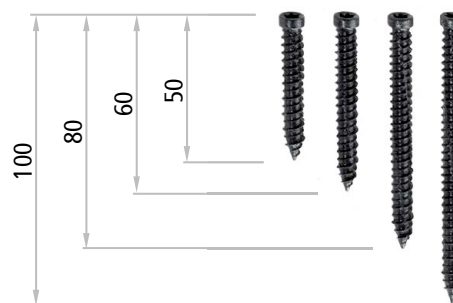


WALL SCREWS FOR FASTENING WITHOUT PLUGS

Field of use: installation of Proget insulated or multipurpose doorframes to the wall or subframe using screws but no plugs. Designed for installation into concrete, full bricks, half-full bricks, lightened cement and other materials.

Advantages: saves time and money thanks to direct attachment of the frame to the wall, with no need to enlarge the holes for plugs. Thanks to the black galvanization, the screws blend in smoothly with the FC sealing.

Dimensions	description
Ø 7,5 x 50 mm	for attachment to metal subframes
Ø 7,5 x 60 mm	for attachment to concrete and especially thick walls
Ø 7,5 x 80 mm	for attachment to walls of average thickness
Ø 7,5 x 100 mm	for attachment to walls of lower thickness



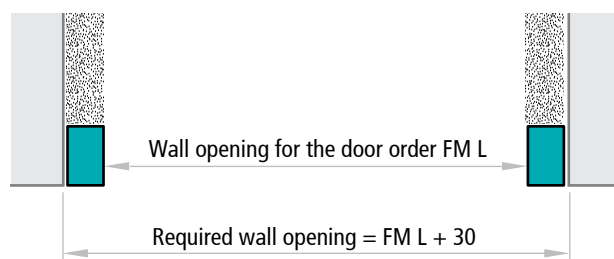
NOTE

Holes should be drilled using a Ø6mm stone drill bit.

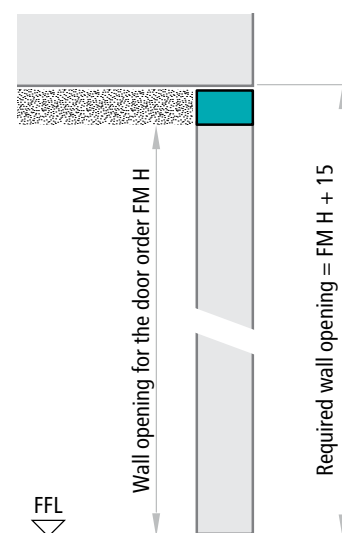
SUBFRAME

Subframe made of 30x15x1,5mm hollow section profiles, derived from hot-galvanized steel coil, endowed with anchors for mortar fixing and removable spacers for the final installation.

To be ordered separately (mandatory for REI 60 and REI 120 Proget doors with installation onto subframe with screws).



Horizontal cross section



Vertical cross section

MAC® Multifunctional Access Control

Controlled opening system

NINZ®
FIREDOORS

Installation on the door of MAC and MAC FAILSAFE systems allows to control access by electric impulse. The particularity of the MAC and MAC FAILSAFE system is to integrate all command and control functions in the lock, which simplifies the electrical works required on site.

Differences between MAC and MAC FAILSAFE systems:

- the MAC systems, in the event of a power failure, allow the opening only via key or panic/emergency exit device. Thus MAC systems are recommended in situations where the door shall remain closed, even in case of power failure.
- the MAC FAILSAFE systems guarantee access in the situation of power failure. Thus MAC FAILSAFE systems are recommended in situations where free passage must be assured, even in case of power failure.

The MAC system offers multiple advantages, such as:

- possibility of 12 or 24V AC/DC power supplies, which avoids problems due to inadequate voltage
- *low current absorption*:
 - at 12V the startup current is 500mA for the first 5-6 sec., before changing to a 250mA maintenance current
 - at 24V the startup current is 1A for 300 millisec., before settling to 500mA for 4-5 sec. and finally changing to a 250mA maintenance current for the remaining 25 sec.
- timer incorporated, time set at 30 sec., eliminating the need for external timers. Further, in case of delivery with the door with automatic reset function (reset of the timer) for every door opening
- red/green LED on the cover plate to prevent useless forcing of the handle by signaling whether the opening system is active or not
- possibility of continuous handle activation (always open when desired)
- ready for the connection of an optional remote LED (not supplied) for remote signaling of lock activation/deactivation
- guaranteed access in case of power failure (only for FAILSAFE version)

The MAC and MAC FAILSAFE systems can be delivered installed onto the door with internal wiring through the leaf and electrical contacts between the leaf and the doorframe. The KIT includes a flexible cable sleeve and the electrical cables are to be installed externally.

NOTE

Before the installation of doors with MAC locks it is necessary to prepare the power supply (active door leaf side in case of double leaved doors) at a height of approx. 800mm from the finished floor level and in proximity of the wall angle, where the door frame will be mounted. The power wires must have a section of 0,75-1,0mm² and must be flexible.



Plastic handle with LEDs



Stainless steel handle with LEDs



Double electrical contacts between leaf and doorframe

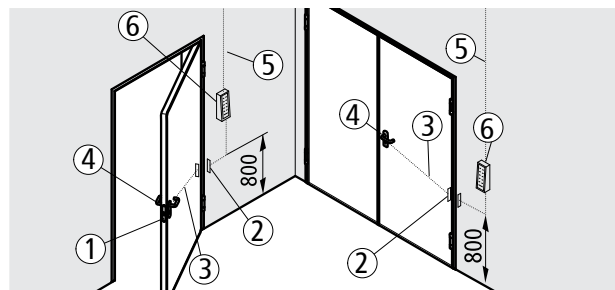


Diagram of components

Delivery together with the door features these installed accessories: lock with solenoid and electronic chip with timer incorporated (1), double electrical contacts between leaf and frame (2), internal wiring inside the leaf (3); supplied to be installed: handle and cover plate with red/green LED and connectors (4). Not included: power supply for doorframe contacts (5), opening button and command accessories (6).

Unlike the delivery together with the door, the KIT (supplied separately from the door) offers a flexible cable sleeve between the door leaf and the power supply instead of the double electrical contacts. In case of a handle the installation of a cable duct onto the door leaf (not supplied) is necessary for the power supply.

MAC1 AND MAC1 FAILSAFE SYSTEM

Door opening in case of power failure (LED off)

- MAC1: from pull side only by key; from push side by panic bar or emergency handle.
- MAC1 FAILSAFE: from pull side by handle (or key); from push side by panic bar or emergency handle.

Operating mode

The system controls access from the pull side of the door. With the lock locked by key, the access consent is possible via electric impulse (button, badge reader, etc.), which gives power supply in case of MAC1 or it turn off in case of MAC1 FAILSAFE, while opening is always possible from the push side by means of the panic bar or emergency handle. Activation of the handle is signaled by illumination of the "green LED," while the "red LED" indicates when the handle is idle. Both LEDs are off when no power is being supplied.

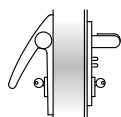
Timed function

In this mode, the activation time lasts 30 seconds before the handle is returned to idle. In case of delivery with the door, if the door is opened within the 30 seconds, the timer is automatically reset to zero.

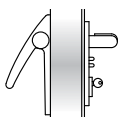
Continuous "day time" function

In this mode the handle is continuously enabled by an electric switch (not supplied) for a longer period (for example during the day), which keeps the lock always enabled. The green LED remains switched on (not valid for the "Kit" version) and is switched off only for the period between the door's opening and its fully closure.

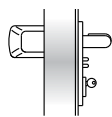
MAC1 can be combined with any BM type panic bar and M3 emergency handles (to be ordered on the side).



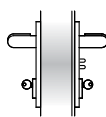
EX DC BM



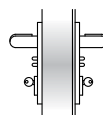
EX/TW BM



SL BM



M3



M1

MAC2 AND MAC2 FAILSAFE SYSTEM

Door opening in case of power failure (LED off)

- MAC2: from both sides by key only.
- MAC2 FAILSAFE: from both sides by handle (or key).

Operating mode

The system controls access from both sides of the door. With the lock locked by key, the access consent is possible via electric impulse (button, badge reader, etc.), which gives power supply in case of MAC2 or it turn off in case of MAC2 FAILSAFE. Activation of both handles is signaled by illumination of the "green LED," with the "red LED" signaling when the handles are idle. Both LEDs are off when no power is being supplied.

Timed function

In this mode, the activation time lasts 30 seconds before both handles are returned to idle. In case of delivery with the door, if the door is opened within the 30 seconds, the timer is automatically reset to zero.

Continuous "day time" function

In this mode both handles are continuously enabled by an electric switch (not supplied) for a longer period (for example during the day), which keeps the lock always enabled. The green LEDs remain switched on (not valid for the "Kit" version) and are switched off only for the period between the door's opening and its fully closure.

MAC2 standard delivery with M1 plastic handle. Upon request an M1X stainless steel handle can be delivered (to be ordered on the side).

MAC3 AND MAC3 FAILSAFE SYSTEM

Door opening in case of power failure (LED off)

- MAC3: from push side only by key; from pull side by the M3tir/M3Xtir emergency handle.
- MAC3 FAILSAFE: from push side by handle (or key); from pull side by the M3tir/M3Xtir emergency handle.

Operating mode

The system controls access from the push side of the door. With the lock locked by key, the access consent is possible via electric impulse (button, badge reader, etc.), which gives power supply in case of MAC3 or it turn off in case of MAC3 FAILSAFE, while opening is always possible from the pull side by means of the emergency handle. Activation of the handle is signaled by illumination of the "green LED," while the "red LED" indicates when the handle is idle. Both LEDs are off when no power is being supplied.

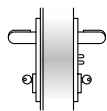
Timed function

In this mode, the activation time lasts 30 seconds before the handle is returned to idle. In case of delivery with the door, if the door is opened within the 30 seconds, the timer is automatically reset to zero.

Continuous "day time" function

In this mode the handle is continuously enabled by an electric switch (not supplied) for a longer period (for example during the day), which keeps the lock always enabled. The green LED remains switched on (not valid for the "Kit" version) and is switched off only for the period between the door's opening and its fully closure.

MAC3 standard delivery with M3tir plastic handle. Upon request an M3Xtir stainless steel handle can be delivered (to be ordered on the side).



M3tir

NOTE

Before the installation of doors with MAC locks it is necessary to prepare the power supply (active door leaf side in case of double leaved doors) at a height of approx. 800mm from the finished floor level and in proximity of the wall angle, where the door frame will be mounted. The power wires must have a section of 0,75-1,0mm² and must be flexible.

Electric handles

Controlled opening system



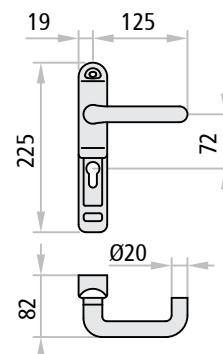
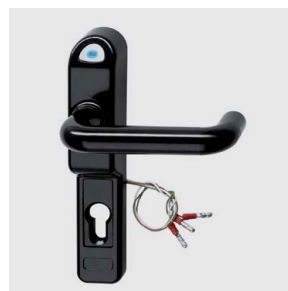
ELM/MT MULTI-VOLTAGE ELECTRIC HANDLE

Controlled door opening system that employs an electronic device to activate the handle. The latter is equipped with an internal timer with a 30 seconds time allowance for opening the door, after which the electric handle is deactivated. The handle can be activated for longer time periods by means of the electrical switch. The illumination of a green LED and sounding of an acoustic signal (buzzer) indicate handle activation, while a red LED indicates deactivation.

When ordered together with the door, the ELM/mt system includes:

electric handle, electrical contacts between the leaf and the frame, power cable inside the door connected to electrical contacts, command panel, lock and fixing screws.

If ordered separately from the door, the system includes:
electric handle, command panel and fixing screws.



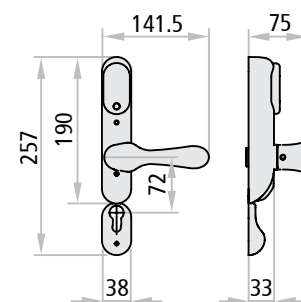
Technical data

power supply	12-24V AC/DC
current absorbed	at 12 V: 500 mA - at 24 V: 200 mA
startup current	at 12 V: 700 mA - at 24 V: 300 mA
minimum operating temperature	-5°C

ELM/CISA MULTI-VOLTAGE ELECTRIC HANDLE

Controlled door opening system that employs an electronic device to activate the handle. Equipped with a separate timer (for insertion into the switch box) which can be set for different opening times: from a minimum of 0,1 second to a maximum of 10 days. Equipped with green LED that signal activation of the handle.

The ELM/cisa system includes: electric handles, 2 meters of power cable, cable sleeve for the connection between the leaf and the frame, 8/9 square spindle, fixing screws, adjustable timer packaged separately.w



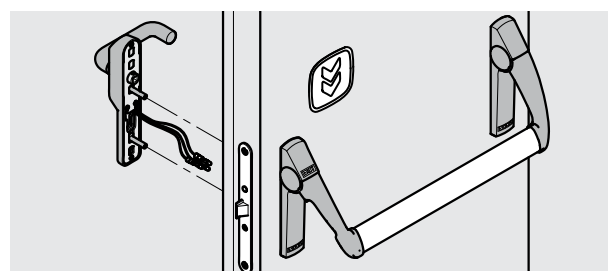
Technical data

power supply	12-24V AC/DC
current	absorbed: 360 mA - startup: 800 mA
operational temperature	-20°C ÷ +80°C

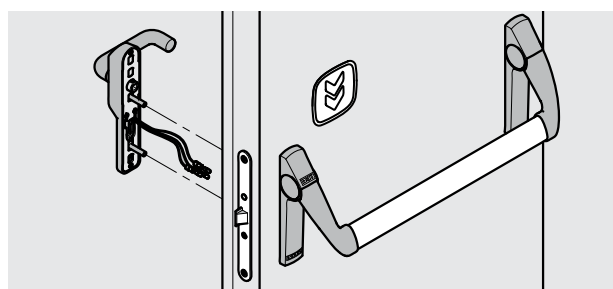
PANIC BARS FOR COMBINATION WITH ELM/MT OR ELM/CISA ELECTRIC HANDLES

The controlled opening direction is from the pull side of the door (electric handle side). Locking the lock by key blocks the electric handle functioning, while opening is still possible via the panic bar on the push side.

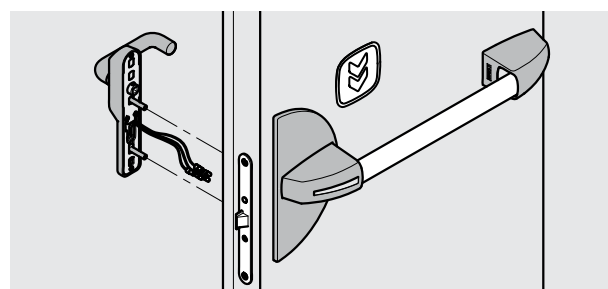
Use: one- or two-leaved doors for anti-panic exits when access control is desired on the pull side.



Exus



Twist



Slash

Electric handles - Electromagnetic sensor

Controlled opening system

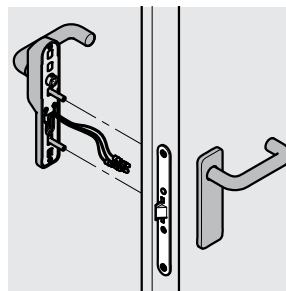
NINZ[®]
FIREDOORS

HANDLES FOR COMBINATION WITH ELM/MT OR ELM/CISA ELECTRIC HANDLES

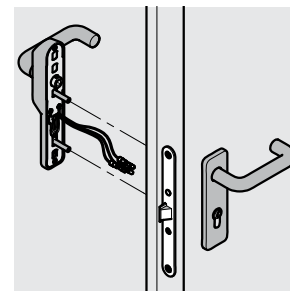
MSC, MSC-X

Use: one- or two-leaved doors when control is desired for one of the two opening directions. Locking with the key blocks opening in both directions.

Controlled opening may be for either the push or pull direction, depending on where the electric handle is applied.



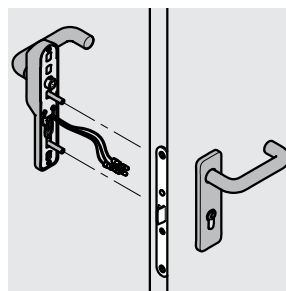
MSC



MCC/S

MCC/S, MCC/S-X

Use: for one- or two-leaved doors where access is to be controlled from the pull side only (electric handle side). Locking with the key blocks opening from the push side, but not from the side where the electric handle is applied.



MCC/T

MCC/T, MCC/T-X

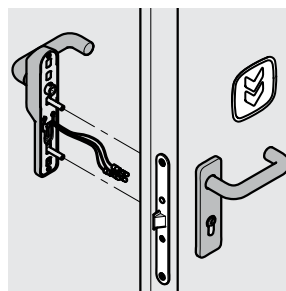
Use: for one- or two-leaved doors where access is to be controlled from the push side only (electric handle side). Locking with the key blocks opening from the pull side, but not from the side where the electric handle is applied.

EMERGENCY HANDLES FOR COMBINATION WITH ELM/MT ELECTRIC HANDLE

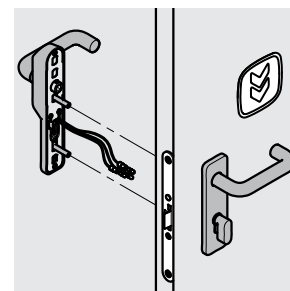
M3, M3X

Use: one- or two-leaved doors for emergency exits when access control is desired on the pull side.

The controlled opening direction is from the pull side of the door (electric handle side). Locking the lock by key blocks the operation of the electric handle, while opening remains possible via the M3 or M3X emergency handle.



M3



HOT-CIL

HOT-CIL, HOT-CIL-X

Use: for hotel rooms doors.

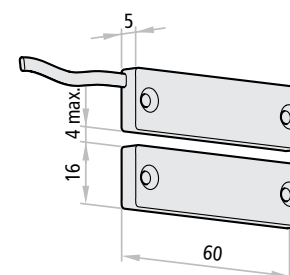
The controlled opening direction is from the push side of the door (electric handle side). Opening from push side is possible with an electric consent at the electric handle. Opening is always possible from the room side of the door via the HOT-CIL or HOT-CIL-X emergency handle, also in case of lock locked by thumbturn latch.

ELECTROMAGNETIC SENSOR

The electromagnetic sensor allows to verify the position of the door leaf. To be applied to the door, composed of two elements: one electromagnetic sensor with two cables and one magnet.

Technical data

maximum voltage	200 V DC / 500 mA with resistive load
internal switch contact	n.o. (n.c. with magnet aligned)
operational temperature	+5 / +40 °C



Door blocking electromagnet

Controlled opening system

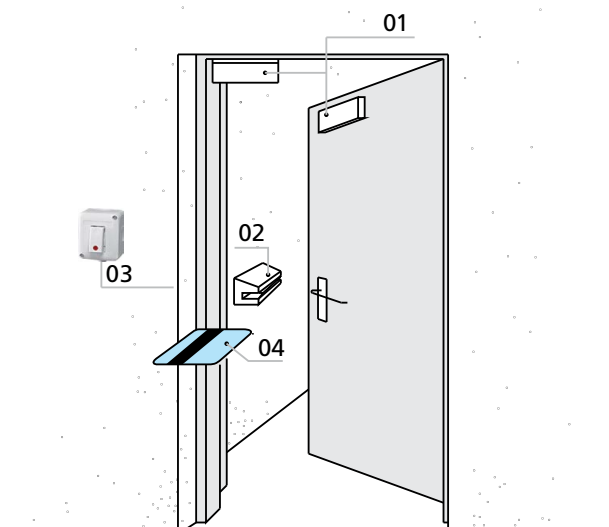
DOOR BLOCKING ELECTROMAGNET

This system is for use in special situations when the doors remain closed and should only be opened with electrical consent. The electrically powered electromagnet holds the door closed with a holding force of approximately 300kg, rendering the action of the handle ineffective. Only electrical commands (badge reader, key button, etc.) or electrical consent from the fire detector system can deactivate the electromagnet making a door opening possible.

Operating mode

The door is held closed by the electromagnet (01) and the bolt of the lock. Opening from the outside can happen via magnetic card (04) using the Badge reader (02) of the card control system or any other system of choice and by retracting the bolt using the handle or key.

From the inside, the deactivation of the electromagnet is caused by the unlock button (03) (also remotely) or with the same system used for the pull side, while the locking bolt must still be retracted using the handle or key. The activated electromagnet signals its state with a red LED, whereas the green LED signals the temporary deactivation. Further a relay AC/DC signaling the electromagnetic state is supplied.



NOTE

Unlocking of the door is only possible if the door is not locked by key.

Technical data

power supply	12/24V DC	time delay	0 ÷ 90 sec.
current absorbed	500mA at 12V DC - 250mA at 24V DC	electromagnetic compatibility standard	EMC - UNI CEI 70011
force	up to 300kg.	certificate Nr.	0123/02

COMPONENTS INCLUDED WITH THE DOOR BLOCKING ELECTROMAGNET

For Proget doors

Door blocking electromagnet, withstanding force 300kg, 12/24V DC, fastener plate, anchor with stainless steel fastener backplate.

For Rever/Univer doors

Door blocking electromagnet, withstanding force 300kg, 12/24V DC, fastener plate and angle bar, anchor with stainless steel fastener backplate.

Control system:

- "Access" code keypad
- Card-based control system
- Biometric fingerprint reader
- Unlock button

NOTE

Detailed specifications for the Control system are found on the "Command accessories" page.



PROGET electromagnet



REVER/UNIVER electromagnet

CONTROL SYSTEMS AND RELATED ACCESSORIES

“Access” code keypad

Keypad with 10 numeric buttons plus an Enter key, including control unit for 1 door, timer incorporated (0,5÷25 sec.) and flat cable. Up to 500 recordable different codes, composed from 1 to 10 digits.

Technical data

power supply	12 ÷ 18 V AC/DC
output	relay

Card-based control system

Card control system, including control unit for 1 door, timer and AC adapter incorporated, badge reader, flat cable, three blank badges and a coded badge. Management of access control for multiple doors by P.C.

Technical data

power supply	230 V AC
output	12 V DC, max. 0,5 A

Biometric fingerprint reader

Biometric reader for reading of fingerprints and transformation into key codes. Includes an internal unit for registering, memorizing and cancelling users, external unit for the reading of fingerprints and an autonomous low voltage AC adapter. The power supply for the management of the door is not included.

Technical data

power supply	230 V AC
output	relay

Unlock button

Unlock button with white casing and control light.

Power supply Switching

Can be combined with “Access code keypad”, with “Biometric fingerprint reader” and for the management of:

- max. Nr. 10 MAC® Multifunction Access Control *
- or max. Nr. 5 Electromagnets door blocking
- or max. Nr. 5 ELM/mt Electric handles *
- or max. Nr. 8 ELM/cisa Electric handles *

* provided that they are not commanded simultaneously

Technical data

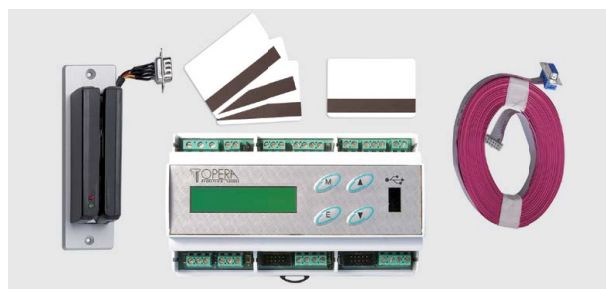
power supply	230 V AC
output	12 V DC - 3 A

NOTE

It is possible to wire a couple of buffer batteries to the power supply switching (see “Door-holding systems”).



„Access” code keypad



Card-based control system



Biometric fingerprint reader



Unlock button



Power supply switching

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.

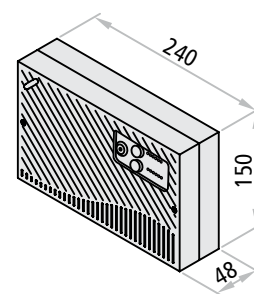
To use for the management of the door-holding electromagnets for fire-rated closures. Control all outputs towards the heat and smoke detectors, the alarm activation/reset buttons, the external siren and the charge of buffer batteries. Any breakdown or malfunction is signaled by LED on the front panel, 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

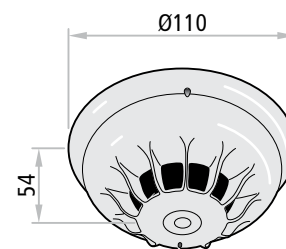


RFC HEAT AND SMOKE DETECTOR

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

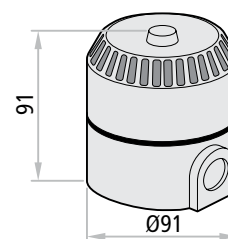


ELECTRONIC SIREN

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

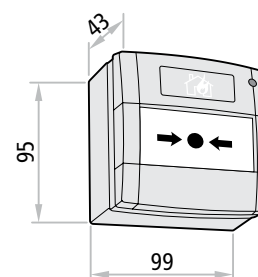


ALARM ACTIVATION BUTTON

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



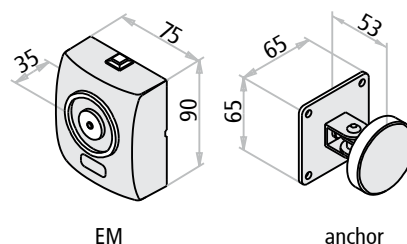
ELECTROMAGNETS

EM wall mounted

EM wall electromagnet with white plastic casing, consisting of a galvanized metal core, both complete with unlock button. Anchor consisting of a nickel-plated plate and jointed baseboard.

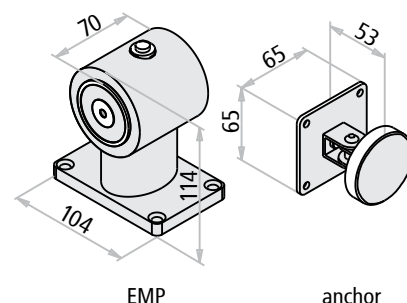
Technical data EM - EMP

power supply	24V DC
absorption	60mA
force	50kg.
CE certification	0407-CPD-011 (IG-098-2004) /04
conformity with standard	EN 1155



EMP floor mounted

EMP floor electromagnets consisting of a galvanized metal core, both complete with unlock button. Anchor consisting of a nickel-plated plate and jointed baseboard.



EMr with release by pulling

EMr electromagnet does not feature an unlock button as the unlocking is to be done manually by pulling the leaf. The holding force is 50kg, while the release force may be set between 4 and 12kg. This avoid damaging the fixture of the electromagnet on the wall (ripping off the plugs) in particular when mounted onto plasterboard. Housing made of stainless steel.

Technical data

electromagnet overall dimensions	Ø 90 - H 40 mm
anchor protrusion	H 40 or H 80 mm
power supply - absorption	24V DC - 60mA
force - release force	50kg. - settable between 4 and 12kg.
CE certification	0407-CPD-095 (IG-208-2006)
conformity with standard	EN 1155



ELECTROMAGNETIC DOOR HOLD-OPEN DEVICE

The electromagnetic and wireless door hold-open device, is powered by batteries (supplied) and activated by the fire detection alarm system.

To be applied onto the lower corner of the door leaf, on the push side, allows to hold open the door leaf at any angle between 65° to 180°. Activated simply by foot by fixation of the blocking piston against a floor catch.

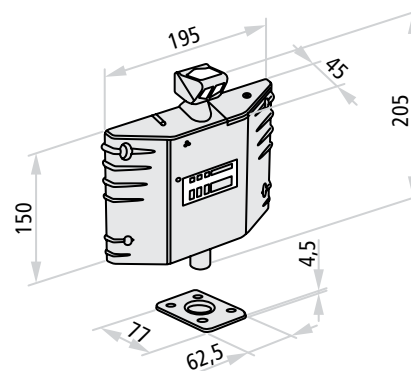
Automatic release of the door leaf in the event of fire alarm via acoustic signal of 65 dB with duration of at least 20 seconds.

Adjustable sensitivity to allow correct operation in the environment where installed.

Installation of an additional stainless steel kick plate (see dedicated page) on the side of its application is advisable, to protect the painted surface of the door leaf and to reinforce the fixing of the device.

Technical data

power supply	2 long-life alkaline batteries (supplied) duration of 12 month approx.
activation signal	intensity: 65 dB - duration: at least 20 seconds
complementary functions	adjustable sensitivity of the activation signal, programmable automatic night-time release at pre-set time, weekly automated test
CE certification	AE0021
conformity with standard	EN 1155



**"safety is in
your hands"**



PRESENTATION

Emergency exit devices (emergency handles)

Ninz S.p.A. is a leader in fire doors, and has once again re-asserted 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 emergency exit handles.

The handles are **CE** marked and pre-certified according to European standard EN 179:2008, which entered in effect January 01, 2010, and which prescribes a several 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 M3, M3X, M14, M14X, Hot CIL and HOT CIL-X handles are packaged in functional KITS for display and presentation in the most appropriate distribution context.

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

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 179:2008 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 emergency handles include additional indications regarding proper installation and maintenance plus a exploded assembly drawing that specifies every smallest detail of the certified system with all of the references required for ordering replacement parts.

M3 emergency handle

Emergency handle for internal locks - EN 179:2008

M3 IN BLACK PLASTIC

Description

Lever handle for emergency exit:

- Reversible for right or left opening
- Applicable to single leaf doors or the active leaf (main leaf) of two-leaved doors located at emergency exits
- Suitable for Rever/Univer/Proget doors and other types of emergency exit doors
- Both the levers and the cover plates are made of black plastic, and the core of the lever and the installation plate are made of galvanized steel
- The lock is anti-panic/fire rated for European profile cylinders
- Cylinder to pass in nickel-plated brass with 3 keys
- Suitable for doors with dimensions up to 1350 x 2880mm/leaf, mass up to 300kg/leaf, with ratings up to EI,120 - REI120 and smoke resistance, handle protrusion of 67mm

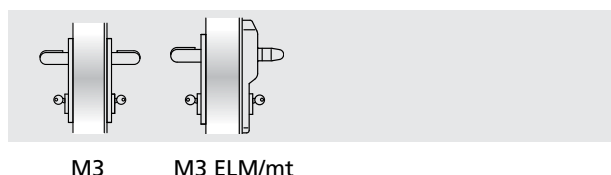
Use

The M3 lever handle for emergency exits is for use on doors designated for emergency situations involving people who are accustomed to using safety exits and their hardware, and who are therefore unlikely to be in a state of panic.

Operating mode

With the lock locked by key, the door can no longer be opened from the pull side, while the door can still be opened using the lever on the push side.

VERSIONS AVAILABLE

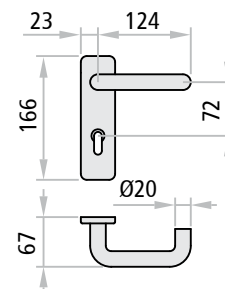


M3

M3 ELM/mt

VARIATIONS ON REQUEST

- MAC1 type panic lock, including access control mode
- Panic lock with 3 closing points (for multipurpose PRO-GET doors only)
- Mastered or coded cylinders



SUPPLIED TOGETHER WITH THE DOOR

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

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

Included (in the package): Nr. 2 black plastic lever handles, Nr. 2 galvanized steel installation plates, Nr. 2 black plastic cover plates, Nr. 1 split square spindle, Nr. 1 standard nickel-plated cylinder to pass with 3 keys, Nr. 1 adhesive pictogram (green arrow), Nr. 1 instruction/maintenance manual.

Versions available: M3, M3 ELM/mt.

ELM electric handle: see the dedicated pages

M3 KIT VERSION

(SUPPLIED SEPARATELY FROM THE DOOR)

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

Specify the leaf thickness in the order.

KIT contents: Nr. 1 anti-panic lock with 65mm entrance, Nr. 1 strike box insert, Nr. 2 black plastic lever handles, Nr. 2 galvanized steel installation plates, Nr. 2 black plastic cover plates, Nr. 1 split square spindle, Nr. 1 standard nickel-plated cylinder to pass with 3 keys, Nr. 1 adhesive pictogram (green arrow), Nr. 1 instruction/maintenance manual.

Versions available: M3

M3X emergency handle

Emergency handle for internal locks - EN 179:2008



M3X IN STAINLESS STEEL

Description

Lever handle for emergency exit:

- Reversible for right or left opening
- Applicable to single leaf doors or the active leaf (main leaf) of two-leaved doors located at emergency exits
- Suitable for Rever/Univer/Proget doors and other types of emergency exit doors
- The levers as well as the cover plates are made of AISI 304 brushed stainless steel, and the installation plates are made of galvanized steel
- The lock is anti-panic/fire rated for Euro profile cylinders
- Cylinder to pass in nickel-plated brass with 3 keys
- Suitable for doors with dimensions up to 1350 x 2880mm/leaf, mass up to 300kg/leaf, with fire resistance up to EI₂120 - REI120 and smoke resistance, handle protrusion of 67mm

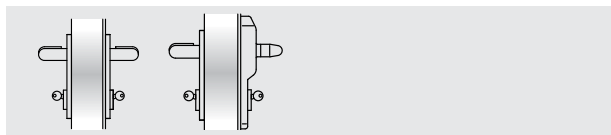
Use

The M3X emergency exit handle are to be applied on doors designated for emergency situations in which the people involved are accustomed to using safety exits and their opening devices, and therefore who are very unlikely to be in a state of panic.

Operating mode

With the lock locked by key, the door can no longer be opened from the pull side, but the door can still be opened from the push side using the handle.

VERSIONS AVAILABLE

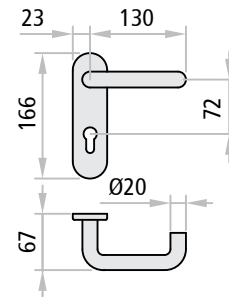


M3X

M3X ELM/mt

VARIATIONS ON REQUEST

- MAC1 panic lock, including access control system
- Panic lock with 3 closing points (for multipurpose PRO-GET doors only)
- Mastered or coded cylinders



SUPPLIED TOGETHER WITH THE DOOR

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

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

Included (in the package): Nr. 2 lever handles in brushed stainless steel, Nr. 2 galvanized steel installation plates, Nr. 2 cover plates in brushed stainless steel, Nr. 1 split square spindle, Nr. 1 standard nickel-plated cylinder to pass with 3 keys, fastener screws, Nr. 1 adhesive pictogram (green arrow), Nr. 1 instruction/maintenance manual.

Versions available: M3X, M3X ELM/mt.

ELM electric handle: see the dedicated pages

M3X KIT VERSION

(SUPPLIED SEPARATELY FROM THE DOOR)

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

Specify the leaf thickness in the order.

KIT contents: Nr. 1 anti-panic lock with 65mm entrance, Nr. 1 strike box insert, Nr. 2 lever handles in brushed stainless steel, Nr. 2 galvanized steel installation plates, Nr. 2 cover plates in brushed stainless steel, Nr. 1 split square spindle, Nr. 1 standard nickel-plated cylinder to pass with 3 keys, fastener screws, Nr. 1 adhesive pictogram (green arrow), Nr. 1 instruction/maintenance manual.

Versions available: M3X

Certifications

Emergency handle for internal locks - EN 179:2008



M3, M3X CERTIFICATIONS

Suitable for one-leaved doors or the active leaf of two-leaved doors with dimensions up to 1350x2880mm/leaf and a mass up to 300kg/leaf.

Denomination	M3, M3X DEVICE FOR EMERGENCY EXITS
Manufacturer	Ninz S.p.A. Corso Trento, 2/A I-38061 ALA (TN)/ITALY
Year application trademark	10
Nr. and year of the standard	EN 179:2008
Certifying body	0425
CE certificate Nr.	2147-CPD-2010
Classification	3 7 7 B 1 4 4 2 A 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 240 h
- 7th Material safety 1000 N
- 8th Handle protrusion up to 100 mm
- 9th Activation type with lever handle
- 10th Suitable for one- or two-leaved doors

ATTESTATO DI CONFORMITÀ DIRETTIVA 89/106/CEE CERTIFICATE OF CONFORMITY DIRECTIVE 89/106/CEE		CE 0425	
Questo certificato è rilasciato in conformità a quanto prescritto dall'Art.6 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 is issued in accordance with the requirements defined in Article 6 par.2 lett. B) of DPR 21th April 1993, n°246 (89/106/CE Directive) and certifies the compliance of the product to art. 1, art. 2 and annex A of DPR 21th April 1993, n°246 (89/106/CE Directive)			
ATTESTATO N°	2147 - CPD - 2010	CERTIFICATE N°	
Organismo notificato	Notified Body		
ICIM S.p.A. - Piazza Don Mapelli, 75 - 20099 SESTO SAN GIOVANNI	Identification number: 0425		
Dati Fabbricante	Manufacturer details		
Sede legale	NINZ S.p.A. Corso Trento, 2/A 38061 ALA (TN) ITALY	Head office	
Unità operativa		Production unit	
Dati prodotto	Product details		
Tipologia	Type		
DISPOSITIVI PER USCITE DI EMERGENZA AZIONATI MEDIANTE MANIGLIA A LEVA O PIASTRA A SPINTA EMERGENCY EXIT DEVICES OPERATED BY A LEVER HANDLE OR PUSH PAD			
Denominazione	Dispositivo di emergenza serie "M3" "M3X"	Denomination	
Serrature antipanico	art. AP16/18, 3201001.018, SCA 1 3201001.019/020, MAC 1 3201001.041/042		
Coppia di deviatori	art. 4201010		
Riscontro serratura	art. 2401006, 2401005, 2401015, 2401014, 2401035, 3412001		
Aste verticali	art. 3305013		
Comandi	art. 3101001.009 (M3), 3101017.003 (M3X)		
Sistema di attestazione della conformità	1	System of attestation of conformity	
Norma di riferimento	EN 179:2008	Standard reference	
Classificazione	3 7 7 B 1 4 4 2 A A	Classification	
Eventuali estensioni	Nessuna / None		
Eventuali condizioni di subordinazione della Certificazione CE	Nessuna / None		
Condition of subordination of CE certification			
Il presente attestato è valido esclusivamente per il prodotto indicato. Eventuali varianti da apportare devono essere approvate da ICIM SpA The present certificate is valid only for the product described above. Every change has to be approved by ICIM S.p.A.			
Data di emissione Issue date	Emissione corrente Current issue	Data di scadenza Expiring date	ICIM S.p.A. Il Presidente Ing. Tullio Badino
12/03/2010	12/03/2010	11/03/2020	

HOT-CIL emergency handle

Emergency handle for internal locks - EN 179:2008

NINZ[®]
FIREDOORS

HOT-CIL IN BLACK PLASTIC

Description

Lever handle and fixed doorknob for emergency exits, especially for hotel rooms:

- Reversible for right or left opening
- Normally applied on single leaf doors or the active leaf of two-leaved doors if the inactive leaf normally remains closed and can only be opened manually with the latch bolt (019)
- Suitable for Rever/Univer/Proget doors and other types of emergency exit pull doors
- The lever, doorknob and even the cover plates are made of black plastic, while the core of the lever and the installation plates are made of galvanized steel
- The lock is anti-panic/fire rated pull type for Euro profile cylinders
- Mastered cylinder to pass with thumbturn latch on the pull side made of nickel-plated brass with 3 keys
- Suitable for doors with dimensions up to 1350 x 2880mm/leaf, mass up to 300kg/leaf, with fire rating EI,120 - REI120 and smoke resistance, handle protrusion of 67mm

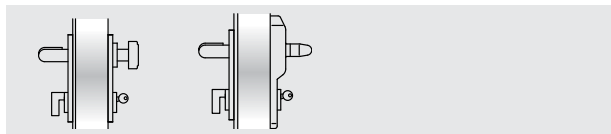
Use

The HOT-CIL emergency exit handle is to be applied on doors designated for emergency situations in which the people involved are accustomed to using safety exits and their opening devices, and who are therefore very unlikely to be in a state of panic.

Operating mode

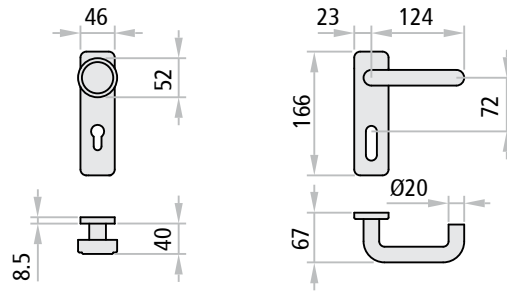
The door can be opened from the push side by key only, while it can be opened at any time from the pull side by pressing the handle, even when the lock is locked using the key. The lock has two bolts that protrude when the key or the thumbturn latch is turned.

VERSIONS AVAILABLE



HOT-CIL

HOT-CIL ELM/mt



SUPPLIED TOGETHER WITH THE DOOR

For the single leaf or active leaf of two-leaved doors (the inactive leaf normally remains closed and can only be opened manually using the bolt lock (019)):

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

Included (in the package): Nr. 1 lever handle and Nr. 1 fixed doorknob in black plastic, Nr. 2 galvanized steel installation plates, Nr. 2 black plastic cover plates, Nr. 1 square spindle, Nr. 1 mastered cylinder with thumbturn latch on the pull side made of nickel-plated brass with 3 keys, fastener screws, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of instructions for installation/maintenance.

Versions available: HOT-CIL, HOT-CIL ELM/mt.

ELM electric handle: see the dedicated pages.

HOT-CIL KIT VERSION

(SUPPLIED SEPARATELY FROM THE DOOR)

KIT for single leaf or the active leaf of two-leaved doors (the inactive leaf normally remains closed and can only be opened manually using the bolt lock (019)):

Specify the leaf thickness in the order.

KIT contents: Nr. 1 anti-panic lock with 65mm entrance, Nr. 1 strike box insert, Nr. 1 lever handle and Nr. 1 fixed doorknob in black plastic, Nr. 2 galvanized steel installation plates, Nr. 2 black plastic cover plates, Nr. 1 square spindle, Nr. 1 mastered cylinder with thumbturn latch on the pull side made of nickel-plated brass with 3 keys, fastener screws, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of instructions for installation/maintenance.

Versions available: HOT-CIL

HOT-CIL-X emergency handle

Emergency handle for internal locks - EN 179:2008

NINZ
FIREDOORS

HOT-CIL-X IN STAINLESS STEEL

Description

Lever handle and fixed doorknob for emergency exits, especially for hotel rooms:

- Lever handle and fixed doorknob for emergency exits, especially for hotel rooms:
- Reversible for right or left opening
- Normally applied on single leaf doors or the active leaf of two-leaved doors if the inactive leaf normally remains closed and can only be opened manually with the latch bolt (019)
- Suitable for Rever/Univer/Proget doors and other types of emergency exit pull doors
- The lever, doorknob and cover plates are made of AISI 304 brushed stainless steel, while the installation plates are made of galvanized steel
- The lock is anti-panic/fire rated for Euro profile cylinders
- Mastered cylinder to pass with thumbturn latch on the pull side made of nickel-plated brass with 3 keys
- Suitable for doors with dimensions up to 1350x2880mm/leaf, mass up to 300kg/leaf, fire rated to EI²120 - REI120 and smoke resistance, handle protrusion of 67mm

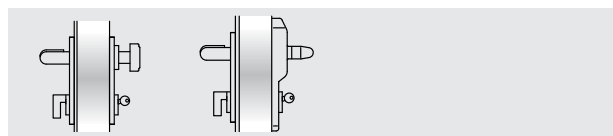
Use

The HOT-CIL-X emergency exit handle is for use on doors designated for emergency situations in which the people involved are accustomed to using safety exits and their opening devices, and who are therefore very unlikely to be in a state of panic.

Operating mode

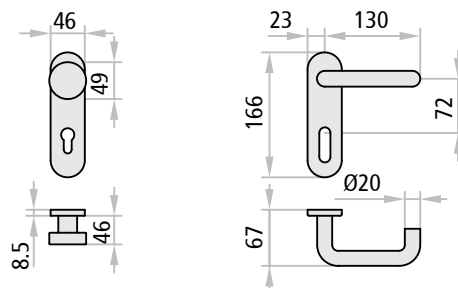
The door can be opened from the push side by key only, while it can be opened at any time from the pull side by pressing the handle, even when the lock is locked using the key. The lock has two bolts that protrude when the key or the thumbturn latch is turned.

VERSIONS AVAILABLE



HOT-CIL-X

HOT-CIL-X ELM/mt



SUPPLIED TOGETHER WITH THE DOOR

For the single leaf or active leaf of two-leaved doors (the inactive leaf normally remains closed and can only be opened manually using the bolt lock (019)):

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

Included (in the package): Nr. 1 lever handle and Nr. 1 fixed doorknob in brushed stainless steel, Nr. 2 galvanized steel installation plates, Nr. 2 cover plates in brushed stainless steel, Nr. 1 square spindle, Nr. 1 mastered cylinder with thumbturn latch on the pull side made of nickel-plated brass with 3 keys, fastener screws, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of instructions for installation/maintenance.

Versions available: HOT-CIL-X, HOT-CIL-X ELM/mt.

ELM electric handle: see the dedicated pages.

HOT-CIL-X KIT VERSION

(SUPPLIED SEPARATELY FROM THE DOOR)

KIT for single leaf or the active leaf of two-leaved doors (the inactive leaf normally remains closed and can only be opened manually using the bolt lock (019)):

Specify the leaf thickness in the order.

KIT contents: Nr. 1 anti-panic lock with 65mm entrance, Nr. 1 strike plate insert, Nr. 1 lever handle and Nr. 1 fixed doorknob in brushed stainless steel, Nr. 2 galvanized steel installation plates, Nr. 2 cover plates in brushed stainless steel, Nr. 1 square spindle, Nr. 1 mastered cylinder with thumbturn latch on the pull side made of nickel-plated brass with 3 keys, fastener screws, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of instructions for installation/maintenance.

Versions available: HOT-CIL-X

Certifications

Emergency handle for internal locks - EN 179:2008



HOT-CIL, HOT-CIL-X CERTIFICATION

Suitable for one-leaved doors or two-leaved doors with the second leaf semi-fixed and not equipped with emergency or anti-panic devices, with dimensions up to 1350x2880mm/leaf, mass up to 300kg/leaf.



Denomination	HOT-CIL, HOT-CIL-X EMERGENCY EXIT DEVICE
Manufacturer	Ninz S.p.A. Corso Trento, 2/A I-38061 ALA (TN)/ITALY
Year application trademark	10
Nr. and year of the standard	EN 179:2008
Certifying body	0425
CE certificate Nr.	0425-CPR-2149
Classification	3 7 7 B 1 4 4 2 A D

- 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 240 h
- 7th Material safety 1000 N
- 8th Handle protrusion up to 100 mm
- 9th Activation type with lever handle
- 10th Suited for one-leaved doors, pull opening


Certificato di costanza delle prestazioni
Certificate of constancy of performance

ALLEGATO AI / ANNEX TO
Certificato N. **0425 - CPR - 2149**
Certificate No.

In conformità al Regolamento 305/2011/UE del Parlamento Europeo e del Consiglio del 9 marzo 2011 (Regolamento Prodotti da Costruzione o CPR), questo certificato si applica al prodotto da costruzione
In compliance with Regulation 305/2011/UE of the European Parliament and of the Council of 9 March 2011 (the Construction Products Certification or CPR), this certificate applies to the construction product

MODELLI / MODELS	Modelli / Models HOT-CIL, HOT-CIL-X Serratura anta attiva / Active leaf lock art. 3201001.011 (AP sp ti), Contropiastre / striking plates: 2401006, 2401005, 2401015, 2401014, Maniglia / Handles art. 3101001.012 (M2), 3101017.002 (M2X)
CLASSIFICAZIONE / CLASSIFICATION	3 7 7 B 1 4 4 2 A D

MODELLI / MODELS	Modelli / Models M3 TIR, M3X TIR Serratura anta attiva / Active leaf lock art. 3201001.051 (016 tir REV), 3201001.049 (MAC3 sk), 3201001.050 (MAC3 dx), Contropiastre / striking plates: 2401006, 2401005, 2401015, 2401014, 3201001.023, 3201001.007 Maniglia / Handles art. 3101001.009 (M3), 3101017.003 (M3X)
CLASSIFICAZIONE / CLASSIFICATION	3 7 7 B 1 3 4 2 A D

SISTEMA DI VALUTAZIONE E VERIFICA DELLA COSTANZA DELLA PRESTAZIONE SYSTEM OF ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE	1
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ICIM S.p.A.

EMISSIONE
ISSUE:
05/06/2014

ICIM S.p.A. è socio unico - Piazza Don Enrico Mappelli, 75 - 20090 Sesto San Giovanni (MI)

Annex Page 1/5

M14 emergency handle

Emergency handle for insertion in lock - EN 179:2008

M14 IN BLACK PLASTIC

Description

Lever handle for emergency exit:

- Reversible for right or left opening
- For application to the inactive leaf of two-leaved doors located at emergency exits
- Suitable for Rever/Univer/Proget doors and other types of emergency exit doors
- The lever and cover plate are both made of black plastic, while the core of the lever and the installation plate are made of galvanized steel (with external installation plate in case of Rever door)
- The safety lock is anti-panic fire rated, activates the vertical rods and ensures automatic closure
- Suitable for doors with dimensions up to 1350x 2880mm/leaf, mass up to 300kg/leaf, with fire rating EI₁₂₀ - REI120 and smoke resistance, handle protrusion of 67mm

Use

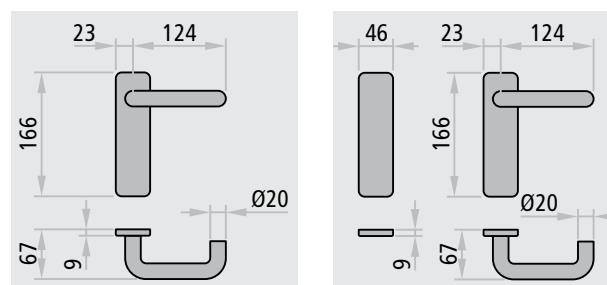
The M14 emergency exit handle is to be applied to doors designated for emergency situations in which the people involved are accustomed to using safety exits and their opening devices, and who are therefore highly unlikely to be in a state of panic.

The active (main) leaf must also be equipped with an anti-panic or emergency device.

Operating mode

The M14 emergency device is always used in combination with a second device for safety or emergency exits that is applied to the active (main) leaf, and for this reason does not include external opening door furnitures.

From the push side, opening is possible at any time by pushing on the handle, which causes the vertical rods to retract and at the same time pulls back the bolt of the active leaf's lock, unlatching both doors.



version for Univer/Proget door

version for Rever door

SUPPLIED TOGETHER WITH THE DOOR

For the inactive leaf of two-leaved doors:

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

Included (in the package): Nr. 1 black plastic lever handle with galvanized steel installation plate and blank black plastic cover plate (with external installation plate for Rever doors), Nr. 1 square spindle, Nr. 1 floor-mounted floor catch, Nr. 1 carrier arm (for fire doors only), fastener screws, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of instructions for installation/maintenance.

M14 KIT VERSION (SUPPLIED SEPARATELY FROM THE DOOR)

KIT for the inactive leaf of two-leaved doors:

Please specify the door type - REVER, UNIVER or PROGET - in the order.

KIT contents: Nr. 1 anti-panic safety lock with 80mm entrance, Nr. 1 black plastic lever handle with galvanized steel installation plate and blank black plastic cover plate (with external installation plate for Rever doors), Nr. 1 square spindle, Nr. 1 upper locking device (for Rever and Univer multipurpose only), Nr. 1 carrier arm (excluding Rever and Univer multipurpose doors), fastener screws, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of instructions for installation/maintenance.

M14X emergency handle

Emergency handle for internal locks - EN 179:2008

NINZ[®]
FIREDOORS

M14X IN STAINLESS STEEL

Description

Lever handle for emergency exit:

- Reversible for right or left opening
- For application to the inactive leaf of two-leaved doors located at emergency exits
- Suitable for Rever/Univer/Proget doors and other types of emergency exit doors
- The lever and cover plate are both made of AISI 304 brushed stainless steel, while the installation plate is made of galvanized steel (with external installation plate in case of Rever door)
- The safety lock is anti-panic/fire rated, activates the vertical rods and ensures automatic closure
- Suitable for doors with dimensions up to 1350x2880mm/leaf, mass up to 300kg/leaf, with fire rating EI₂120 - REI120 and smoke resistance, handle protrusion of 67mm

Use

The M14X emergency exit handle is to be applied on doors designated for emergency situations in which the people involved are accustomed to using safety exits and their opening devices, and who are therefore highly unlikely to be in a state of panic.

The active (main) leaf must also be equipped with an anti-panic or emergency device.


Operating mode

The M14X emergency device is always used in combination with a second device for safety or emergency exits that is applied to the active leaf, and for this reason does not include external opening door furnitures.

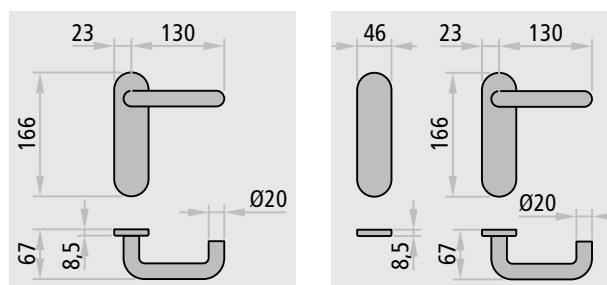
From the push side, opening is possible at any time by pushing on the handle, which causes the vertical rods to retract and at the same time pulls back the bolt of the active leaf's lock, unlatching both doors.

M14, M14X CERTIFICATION

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

	
Denomination	M14, M14X EMERGENCY EXIT DEVICE
Manufacturer	Ninz S.p.A. Corso Trento, 2/A I-38061 ALA (TN)/ITALY
Year application trademark	10
Nr. and year of the standard	EN 179:2008
Certifying body	0425
CE certificate Nr.	2148-CPD-2010
Classification	3 7 7 B 1 4 4 2 A C

- 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 240 h
- 7th Material safety 1000 N
- 8th Handle protrusion up to 100 mm
- 9th Activation type with lever handle
- 10th Suited for door: two-leaved, on the inactive leaf only



version for Univer/Proget door

version for Rever door

SUPPLIED TOGETHER WITH THE DOOR

For the inactive leaf of two-leaved doors:

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

Included (in the package): Nr. 1 lever handle in brushed stainless steel with galvanized steel installation plate and blank cover plate in brushed stainless steel (with external installation plate for Rever doors), Nr. 1 square spindle, Nr. 1 floor-mounted door catch, Nr. 1 carrier arm (for fire doors only), fastener screws, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of instructions for installation/maintenance.

M14X KIT VERSION (SUPPLIED SEPARATELY FROM THE DOOR)

KIT for the inactive leaf of two-leaved doors:

Please specify the door type - REVER, UNIVER or PROGET - in the order.

KIT contents: Nr. 1 anti-panic safety lock with 80mm entrance, Nr. 1 lever handle in brushed stainless steel with galvanized steel installation plate and blank cover plate in brushed stainless steel (with external installation plate for Rever doors), Nr. 1 square spindle, Nr. 1 upper locking device (for Rever and Univer multipurpose only), Nr. 1 carrier arm (excluding Rever and Univer multipurpose doors), fastener screws, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of instructions for installation/maintenance.

ATTESTATO DI CONFORMITÀ DIRETTIVA 89/106/CEE CERTIFICATE OF CONFORMITY DIRECTIVE 89/106/CEE		CE 0425
Questo certificato è rilasciato in conformità a quanto prescritto dall'Art.6 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 is issued in accordance with the requirements defined in Article 6 par.2 lett. B) of DPR 21th April 1993, n° 246 (89/106/CEE Directive) and certifies the compliance of the product to art. 1, art. 2 and annex A of DPR 21th April 1993, n° 246 (89/106/CEE Directive)		
ATTESTATO N°	2148 - CPD - 2010	CERTIFICATE N°
Organismo notificato	ICIM S.p.A. - Piazza Don Mapelli, 75 - 20099 SESTO SAN GIOVANNI	Notified Body
Dati Fabbricante	Sede legale: NINZ S.p.A. Corso Trento, 2/A 38061 ALA (TN) ITALY Unità operativa:	Manufacturer details
Dati prodotto	Tipologia: DISPOSITIVI PER USCITE DI EMERGENZA AZIONATI MEDIANTE MANIGLIA A LEVA O PIASTRA A SPINTA EMERGENCY EXIT DEVICES OPERATED BY A LEVER HANDLE OR PUSH PAD Denominazione: Dispositivo di emergenza serie "M14" "M14X" Controserrature antipánico art. AP020P, AP020U, 3201001.006 Dispositivo superiore art. 3105080, 3105024, 3305003 Risccontro asta art. 2401046, 2401044, 2401002 Boccola pavimento art. 2401001, 2401007, 3105091, 2401020 Aste verticali art. 3305015, 3305016, 3305002, 3305005 Comandi art. 3101001.008 (M14), 3101017.004 (M14X)	Product details
Sistema di attestazione della conformità	1	System of attestation of conformity
Norma di riferimento	EN 179:2008	Standard reference
Classificazione	3 7 7 B 1 4 4 2 A C	Classification
Eventuali estensioni	Nessuna / None	Extensions
Eventuali condizioni di subordinazione della Certificazione CE	Nessuna / None	Condition of subordination of CE certification
Il presente attestato è valido esclusivamente per il prodotto indicato. Eventuali varianti da apportare devono essere approvate da ICIM SpA The present certificate is valid only for the product described above. Every change has to be approved by ICIM S.p.A.		
Data di emissione Issue date	Emissione corrente Current issue	Data di scadenza Expiring date
12/03/2010	28/04/2010	11/03/2020
		ICIM S.p.A. Il Presidente Ing. Tullio Badino

PROGET
fire doors

LEXUS[®]

PROGET
fire doors



PRESENTATION

EXUS® 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 EXUS® panic bars.

The EXUS® panic bars are CE marked and according to European standard EN 1125:2008, which entered in effect January 01, 2010, and which prescribes 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 EXUS® series of panic bars is provided in elegant and functional KITS packaged for presentation in the most appropriate format for distribution.

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

Finishing

Attention to detail and proportions are highlighted by select materials and finishing.

In addition to the **black PLASTIC** version combined with **anodized ALUMINUM** bars, new combinations include the all **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. The particular aesthetics of soft forms is one of the exclusive advantages of **EXUS® panic bars**, representing the fruit of designs generated in collaboration with Studio MM Design, which has been working with the company for many years.

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 **EXUS® panic bars** include additional indications regarding proper installation and maintenance plus a exploded assembly drawing that specifies every smallest detail of the certified system with all of the references required for ordering replacement parts.

With the new EXUS® panic bar, NINZ S.p.A. demonstrates its willingness to believe in market development by investing in designs and company image in order to endow its own products with added value while maintaining 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.

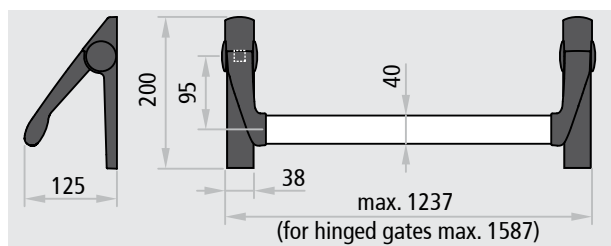
EXUS® - Features, certifications

Panic bar

NINZ
FIREDOORS

FEATURES

- Newly designed product with state of the art technological concept
- Available several in color and surface combinations: brushed stainless steel for the lever arms and the bar, or aluminum with polished chrome lever arms and anodized aluminum bar, and finally the classic ever-green combination - black plastic lever arms with anodized aluminum bar
- Certified for internal lock with 40 or 65mm entrances for single leaves or active leaves, with 30 or 80mm entrance for inactive leaves and with square spindle rotation of up to 45°
- Possibility of locking by key on the bar side as well
- Reversible for Right or Left mounting
- Protrusion 125mm
- Proposed together with the door or separately in a complete KIT packaged in a black/yellow 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 coded 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	EXUS 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.	0425 CPD 1228
Classification	3 7 7 B 1 3 2 1 A 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 150 mm
- 9th Activation type with push bar
- 10th Suited for one- or two-leaved doors



EXUS® is a registered trademark owned by Ninz S.p.A.

Also suited for doors with fire ratings:



ATTESTATO DI CONFORMITÀ DIRETTIVA 89/106/CEE CERTIFICATE OF CONFORMITY DIRECTIVE 89/106/CEE		CE 0425
Questo certificato è rilasciato in conformità a quanto prescritto dall'Art.6 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/CEE) and certifies the conformity of the product described below to the Art.1, Art.2 and attachment A of the DPR 21/04/1993, n°246 (Directive 89/106/CEE).		
ATTESTATO N°	0425 CPD 1228	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	Sede legale: NINZ S.p.A. Corso Trento, 2/A - 38061 ALA (TN) ITALY Unità operativa:	Manufacturer Head office Operative unit
Dati prodotto	Product	
Tipologia	DISPOSITIVI ANTIPANICO PER USCITE DI SICUREZZA AZIONATI MEDIANTE UNA BARRA ORIZZONTALE PANIC EXIT DEVICES	
Denominazione	Dispositivo antipanco serie "TWIST" "EXUS LP" "EXUS LA" "EXUS LX".	Denominazione
Serratura antipanco	art. AP16/18, SCA 1 3201001.019020, MAC 1 3201001.041042, 4506002.17 (V), 3201001.018, 485-65-0, 4506002.22 (V), B18310-02-RIL-8 (V), B18370-04-U-8 (V), art. AP020P, AP020U, 4506002.18 (V), 3201001.6, 43190-95, B1890-1004 (V).	
Controserratura antipanco	art. 3105080, 3105024, 4506003 (V), 3305003, B1795-0001 (V), B1895-0003 (V).	
Dispositivo superiore	art. 2401036, 2401046, 2401044, 4506005 (V), 2401002, B9000-0567 (V), B9000-0490 (V).	
Riscontro asta	art. 2401001, 2401007, 3105091, 4509006 (V), 2401020, 4419008, B9028-0001 (V).	
Boccola pavimento	art. 4201010.	
Deviatori	art. 3305015, 3305016, 3305002, 4509003 (V), 3305013, 990837, B9006-0014 (V), B9006-0005 (V).	
Aste verticali	art. 2401006, 2401026, 2401015, 2401014, 4506006 (V), 2401005, 2401035, 3412001, B9000-0402 (V).	
Riscontro serratura	art. BM, BSP, BS, BMC, BC, B, A, BM inox, BM alu, BSP inox, BSP alu.	
Comandi esterni		
Sistema di attestazione della conformità	1	Attestation of conformity
Norma di riferimento	EN1125:2008	Standard
Classificazione	3 7 7 B 1 3 2 1 A A	Classification
Eventuali estensioni	Nessuna / None	Extensions
Eventuali condizioni di subordinazione della Certificazione CE	Nessuna / None	Possible conditions of subordination of the CE Certification
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
18/04/2007	26/06/2013	17/04/2017
		ICIM S.p.A.

EXUS® LP IN BLACK PLASTIC

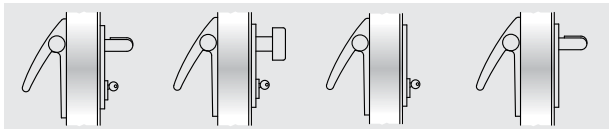


Description

The EXUS LP panic bar consists of an anodized aluminum horizontal bar that inserts into the lever arms attached to 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
- Two black plastic lever arms with galvanized steel core
- The two mechanisms are made of galvanized steel with black plastic carter covers, one of which has an EXIT label that identifies the lock side
- The lock is anti-panic/fire rated for Euro profile cylinders
- The door furnitures and related cover plates are made of black plastic, while the installation plate is made of galvanized steel
- DC version with cylinder to pass

VERSIONS AVAILABLE

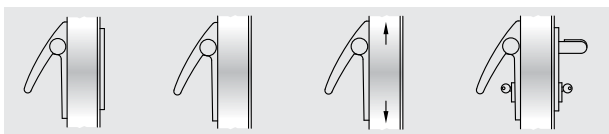


BM

BSP

BS

BMC

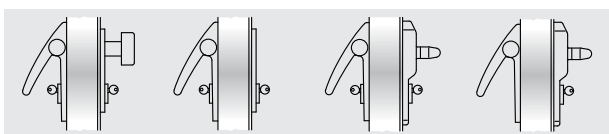


BC

B

A

DC BM



DC BSP

DC BS

DC ELM

ELM

VARIATIONS ON REQUEST (see dedicated page)

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

EXUS LP (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. 2 black plastic lever arms, Nr. 1 anodized aluminum bar, Nr. 1 black plastic external door furniture, Nr. 1 half-cylinder with 3 keys, Nr. 1 cylinder to pass with 3 keys (DC version only), 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), DC BM, DC BSP, DC BS, DC ELM, 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. 2 black plastic lever arms, Nr. 1 anodized aluminum bar, 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

EXUS LP 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. 2 black plastic lever arms, Nr. 1 anodized aluminum bar, Nr. 1 black plastic external door furniture, Nr. 1 half-cylinder with 3 keys, Nr. 1 cylinder to pass with 3 keys (DC version only), Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

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

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 black plastic carter covers, Nr. 2 black plastic lever arms, Nr. 1 anodized aluminum bar, 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

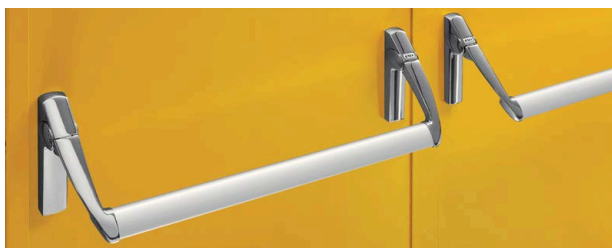
Versions available: A

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. 2 black plastic lever arms, Nr. 1 anodized aluminum bar, 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

EXUS® LA IN ALUMINUM

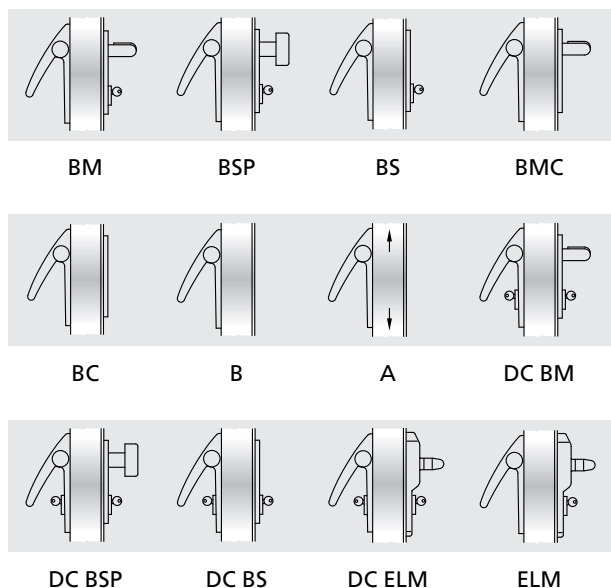


Description

The EXUS LA panic bar consists of an anodized aluminum horizontal bar that inserts into lever arms attached to 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
- The two lever arms are made of an aluminum alloy with a polished chrome finish
- The two mechanisms are made of galvanized steel with aluminum alloy carter covers with a polished chrome finish, one of which has an EXIT label to identify the lock side
- The lock is anti-panic/fire rated for Euro profile cylinders
- The door furnishings and related cover plates are made of AISI 304 brushed stainless steel, while the installation plate is made of galvanized steel
- The arms and carter covers are finished with tri-valent chrome in compliance with the ROHS regulation
- DC version with cylinder to pass

VERSIONS AVAILABLE



VARIATIONS ON REQUEST (see dedicated page)

- Aluminum bar painted in RAL colors
- MAC1 panic lock with access control system, combinable with the BM and DC BM versions
- Mastered or coded cylinders
- Microswitch and cable sleeve for signaling when the door is open

EXUS LA (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 polished chrome aluminum carter covers, Nr. 2 polished chrome aluminum lever arms, Nr. 1 anodized aluminum bar, Nr. 1 stainless steel external door furniture, Nr. 1 half-cylinder with 3 keys, Nr. 1 cylinder to pass with 3 keys (DC version only), 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), DC BM, DC BSP, DC BS, DC ELM, 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 polished chrome aluminum carter covers, Nr. 2 polished chrome aluminum lever arms, Nr. 1 anodized aluminum bar, 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

EXUS LA 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 polished chrome aluminum carter covers, Nr. 2 polished chrome aluminum lever arms, Nr. 1 anodized aluminum bar, Nr. 1 stainless steel external door furniture, Nr. 1 half-cylinder with 3 keys, Nr. 1 cylinder to pass with 3 keys (DC version only), Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

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

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 polished chrome aluminum carter covers, Nr. 2 polished chrome aluminum lever arms, Nr. 1 anodized aluminum bar, 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

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 polished chromed aluminum carter covers, Nr. 2 chromed aluminum lever arms, Nr. 1 anodized aluminum bar, 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

NOTE

It is not advisable to use the anti-panic bar EXUS LA for marine environments or in particularly humid areas. For these situations the use of the anti-panic bar EXUS LX is recommended.

EXUS® LX IN STAINLESS STEEL

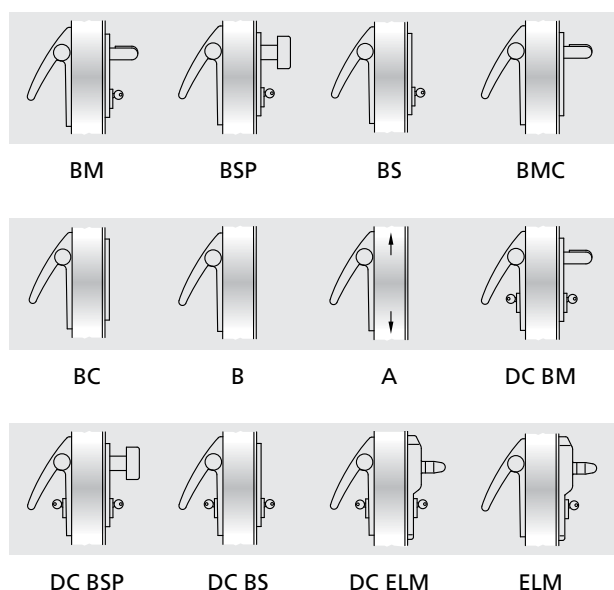


Description

The entire EXUS LX panic bar is made of stainless steel, and consists of a horizontal bar that inserts into lever arms attached to the mechanisms which activate the lock.

- Maximum corrosion resistance and noteworthy robustness of the entire set
- Optimal aesthetic appearance
- 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 an elliptical cross-section measuring 40x20mm, length of 1150mm
- The two lever arms are made of AISI 304 brushed stainless steel
- The two mechanisms are made of AISI 304 stainless steel
- The two carter covers are made of AISI 304 brushed stainless steel, and one is labeled with EXIT to identify the lock side
- The lock is anti-panic/fire rated for Euro profile cylinders
- The door furnitures and related cover plates are made of AISI 304 brushed stainless steel, while the installation plate is made of galvanized steel
- DC version with cylinder to pass

VERSIONS AVAILABLE



VARIATIONS ON REQUEST (see dedicated page)

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

EXUS LX (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 stainless steel mechanisms, Nr. 2 stainless steel carter covers, Nr. 2 stainless steel lever arms, Nr. 1 stainless steel bar, Nr. 1 stainless steel external door furniture, Nr. 1 half-cylinder with 3 keys, Nr. 1 cylinder to pass with 3 keys (DC version only), 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), DC BM, DC BSP, DC BS, DC ELM, 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 stainless steel mechanisms, Nr. 2 stainless steel carter covers, Nr. 2 stainless steel lever arms, Nr. 1 stainless steel bar, 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

EXUS LX 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 stainless steel mechanisms, Nr. 2 stainless steel carter covers, Nr. 2 stainless steel lever arms, Nr. 1 stainless steel bar, Nr. 1 stainless steel external door furniture, Nr. 1 half-cylinder with 3 keys, Nr. 1 cylinder to pass with 3 keys (DC version only), Nr. 1 drilling template, Nr. 1 adhesive pictogram (green arrow), Nr. 1 set of installation/maintenance instructions

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

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 stainless steel mechanisms, Nr. 2 stainless steel carter covers, Nr. 2 stainless steel lever arms, Nr. 1 stainless steel bar, 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

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 stainless steel mechanisms, Nr. 2 stainless steel carter covers, Nr. 2 stainless steel lever arms, Nr. 1 stainless steel bar, 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

Twist

PROGET
fire doors



PRESENTATION

TWIST panic bars

TWIST panic bars are **CE** marked in accordance with European standard EN 1125:2008, which entered in effect January 01, 2010, and which prescribes 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 **TWIST** series of panic bars is provided in elegant and functional KITS packaged for presentation in the most appropriate format for distribution.

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

The **TWIST** panic bar series is proposed in a **black PLASTIC** version combined with an **anodized ALUMINUM** bar. On request, the bar and the door furniture may be painted in RAL colors, opening up an infinite variety of 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 **TWIST** panic bars include additional indications regarding proper installation and maintenance plus an explosion assembly drawing that specifies every smallest detail of the certified system with all of the references required for ordering replacement parts.

With the new packaging of the TWIST panic bar, NINZ S.p.A. demonstrates its intent to believe in market development by investing in designs and company image in order to endow its own products with added value while maintaining highly competitive quality-price ratios.



Black PLASTIC handle

NOTE

The TWIST exit device series is combined with a black PLASTIC handle.

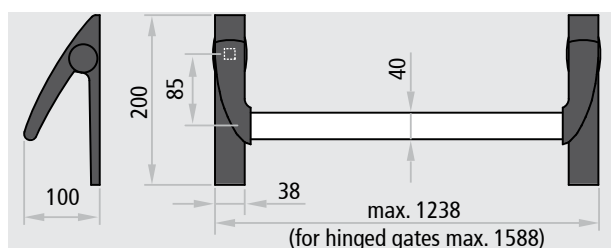
TWIST - Features, certifications

Panic bar

NINZ
FIREDOORS

FEATURES

- The classic line of panic bars, an ever-green, available in the standard combination with black plastic arms/caps and 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 mounting on Right or Left doors
- Protrusion 100mm
- Proposed together with the door or separately in a complete KIT packaged in a single black/green box
- Packaging is labeled to identify product characteristics
- Wide range of customizations: colored bar, colored or stainless steel handles, locks with access control systems, special coded or mastered cylinders



Also suited for doors with fire ratings:

EI₁₂₀ REI 120 smoke resistant



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.

Denomination	TWIST 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.	0425 CPD 1228
Classification	3 7 7 B 1 3 2 1 A 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 150 mm
- 9th Activation type with push bar
- 10th Suitable for one- or two-leaved doors

ATTESTATO DI CONFORMITÀ DIRETTIVA 89/106/CEE CERTIFICATE OF CONFORMITY DIRECTIVE 89/106/CEE		CE 0425
Questo certificato è rilasciato in conformità a quanto prescritto dall'Art.6 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/CEE) 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/CEE).		
ATTESTATO N°	0425 CPD 1228	CERTIFICATE N°
Organismo notificato	ICIM S.p.A. - Piazza Don Mapelli, 75 - 20099 Sesto San Giovanni (MI) ITALY	Notified Body
Dati Fabbricante	NINZ S.p.A. Corso Trento, 2/A - 38061 ALA (TN) ITALY	Manufacturer
Sede legale		Head office
Unità operativa		Operative unit
Dati prodotto	Product Type	
Tipologia	DISPOSITIVI ANTIPANICO PER USCITE DI SICUREZZA AZIONATI MEDIANTE UNA BARRA ORIZZONTALE PANIC EXIT DEVICES	
Denominazione	Dispositivo antipanico serie "TWIST" "EXUS LP" "EXUS LA" "EXUS LX". Serrature antipanico art. AP16/18, SCA 1 3201001.019/020, MAC 1 3201001.041/042, 4506002.17 (V), 3201001.018, 485-65-0, 4506002.22 (V), B18310-02-R/L-8 (V), B18370-04-U-8 (V), art. AP020P, AP020U, 4506002.18 (V), 3201001.6, 43190-95, B1890.1004 (V), Controserrature antipanico art. 3105080, 3105024, 4506003 (V), 3305003, B1795.0001 (V), B1895.0003 (V), Dispositivo superiore art. 2401036, 2401046, 2401044, 4506005 (V), 2401020, B9000.0567 (V), B9000.0490 (V), Riscritto asta art. 2401001, 2401007, 3105091, 4506006 (V), 2401020, 4419008, B9028.0001 (V), Boccola pavimento art. 3305015, 3305016, 3305002, 4506003 (V), 3305013, 960837, B9006.0014 (V), B9006.0005 (V), Aste verticali art. 2401006, 2401005, 2401015, 2401014, 4506006 (V), 2401006, 2401035, 3412001, B9000.0402 (V), Riscritto serratura art. BM, BSP, BS, BMC, BC, B, A, BM inox, BM alu, BSP inox, BSP alu. Comandi esterni	Denominazione
Sistema di attestazione della conformità	1	Attestation of conformity
Norma di riferimento	EN1125:2008	Standard
Classificazione	3 7 7 B 1 3 2 1 A A	Classification
Eventuali estensioni	Nessuna / None	Extensions
Eventuali condizioni di subordinazione della Certificazione CE	Nessuna / None	Possible conditions of subordination of the CE Certification
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
18/04/2007	26/06/2013	17/04/2017
		ICIM S.p.A.

TWIST IN BLACK PLASTIC

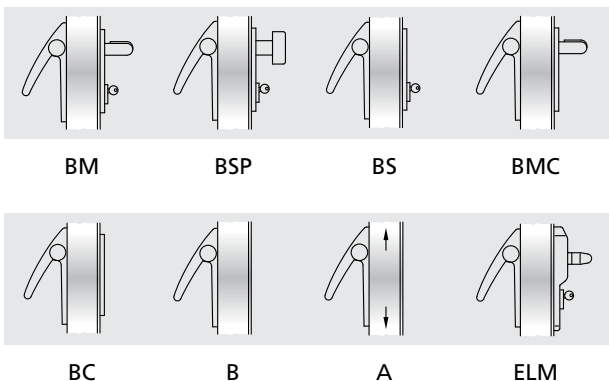


Description

The TWIST plastic panic bar consists of an anodized aluminum horizontal bar that inserts into the lever arms attached to the mechanisms used to 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
- Two black plastic lever arms with galvanized steel core
- The two mechanisms are made of galvanized steel with black plastic carter covers, one of which has an EXIT label that identifies the lock side
- The lock is anti-panic/fire resistance 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 the BM version
- Mastered or encrypted cylinders
- Microswitch and cable sleeve for signaling when the door is open

TWIST (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. 2 black plastic lever arms, Nr. 1 anodized aluminum bar, 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. 2 black plastic lever arms, Nr. 1 anodized aluminum bar, Nr. 1 floor-mounted door 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

TWIST 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. 2 black plastic lever arms, Nr. 1 anodized aluminum bar, 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): specify door type on the order form

KIT contents: Nr. 1 anti-panic safety lock with 80mm entrance, Nr. 2 mechanisms, Nr. 2 black plastic carter covers, Nr. 2 black plastic lever arms, Nr. 1 anodized aluminum bar, 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

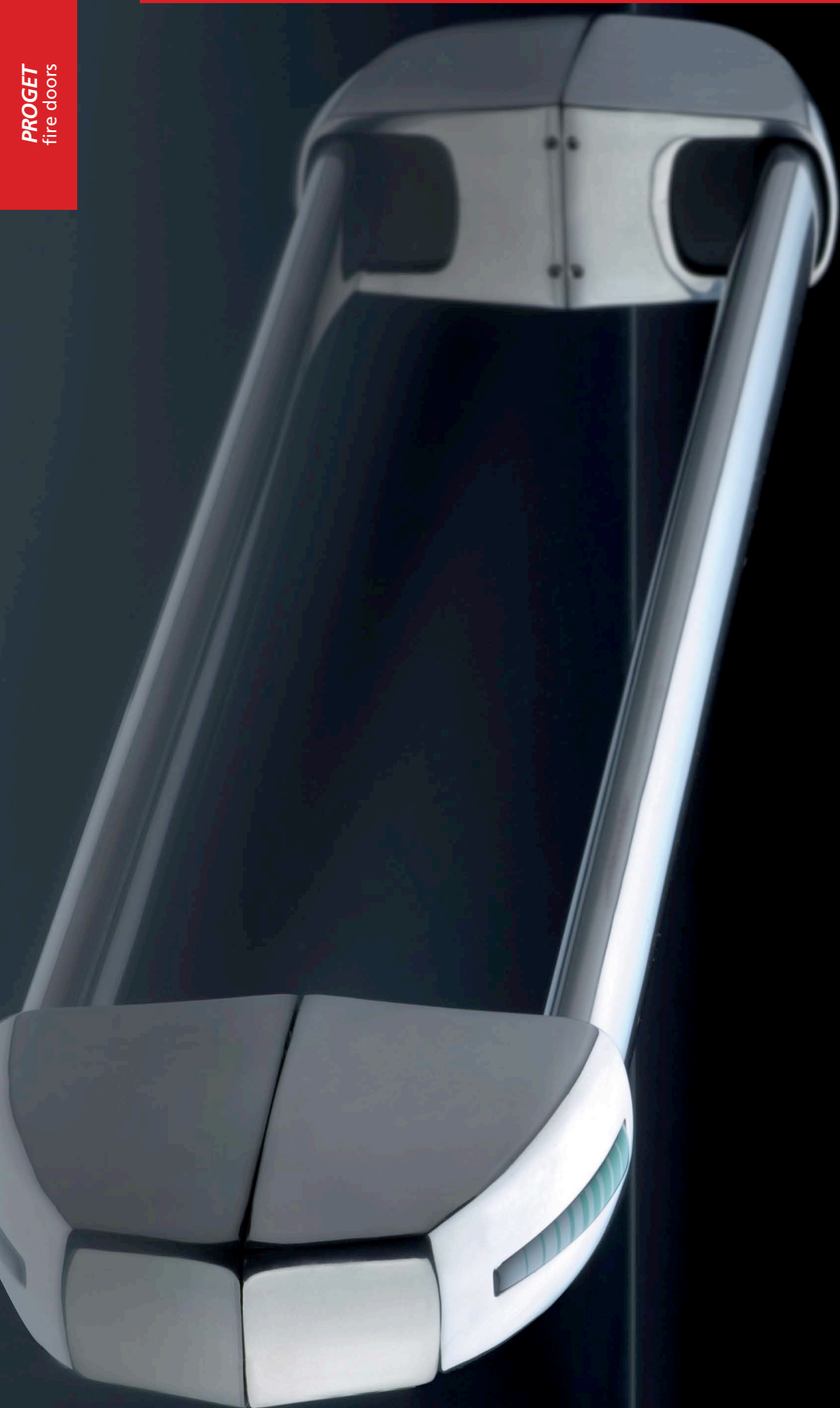
KIT for the inactive leaf of two-leaved doors and suited for other types of multipurpose doors and for substitution of non CE marked panic bars (PROGET doors):

KIT contents: Nr. 1 anti-panic safety lock with 80mm entrance, Nr. 2 mechanisms, Nr. 2 black plastic carter covers, Nr. 2 black plastic lever arms, Nr. 1 anodized aluminum bar, 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

SLASH

PROGET
fire doors



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.

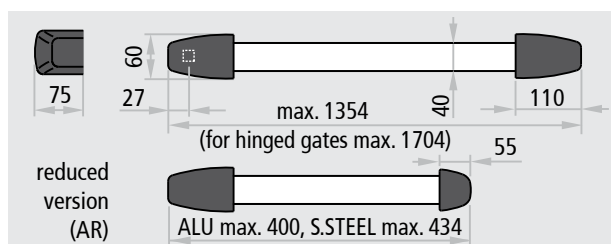
SLASH - Features, certifications

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			CE 0425
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).			
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		Product	
Tipologia: DISPOSITIVI ANTIPANICO PER USCITE DI SICUREZZA AZIONATI MEDIANTE UNA BARRA ORIZZONTALE Denominazione: Dispositivo antipanico Modelli "SLASH", "SLASH AR", "SLASH ALU", "SLASH ALU AR", "SLASH INOX", "SLASH INOX AR". Serrature antipanico: art. AP18/18, SCA 1 3201001.019020, MAC 1 3201001.041042, 3201001.018, 405/55-0. Controserrature antipanico: art. AP020P, AP020U, 3201001.6, 43190-95. Dispositivo superiore: art. 3105080, 3105024, 3305003. Riscontro asta: art. 2401008, 2401046, 2401044, 2401002. Boccola pavimento: art. 2401001, 2401007, 3105091, 2401020, 4419008. Deviatori: art. 4201010. Aste verticali: art. 3305015, 3305016, 3305002, 3305013, 990837. Riscontro 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.		Denominazione: Denominazione Type: Type	
Sistema di attestazione della conformità		Attestation of conformity	
Norma di riferimento		Standard	
EN1125:2008			
Classificazione		Classification	
3 7 7 B 1 3 2 2 B A			
Eventuali estensioni		Extensions	
Nessuna / None			
Eventuali condizioni di subordinazione della Certificazione CE		Possible conditions of subordination of the CE Certification	
Nessuna / None			
Il presente attestato è valido esclusivamente per il prodotto indicato. Eventuali varianti da apportare devono essere approvate da ICIM SpA. The present issue is valid only for the product described above. Possible changes to be brought in have to be approved by ICIM SpA.			
Data di emissione First issue	Emissione corrente Current issue	Data di scadenza Expiring date	
31/05/2007	04/08/2010	30/05/2017	
			ICIM S.p.A. Il Presidente Ing. Tullio Badino

SLASH IN BLACK PLASTIC

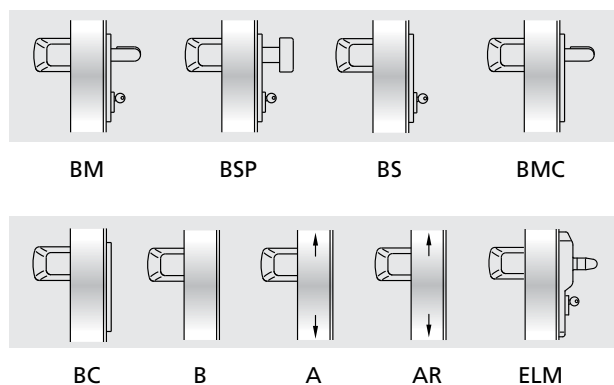


Description

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

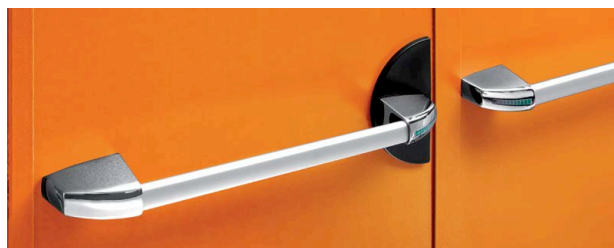
Versions available: A, AR (reduced) for use with inactive leaves with FM L2 width ≤ 500mm

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 ALUMINUM



Description

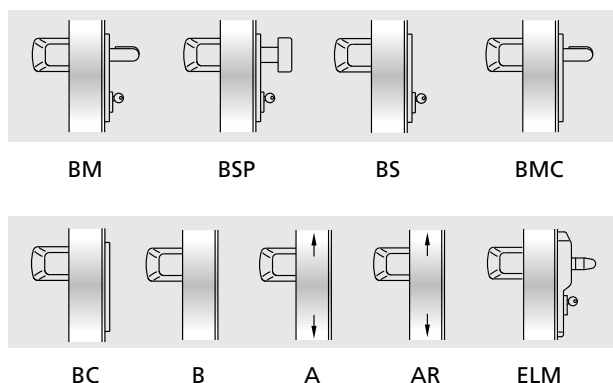
The SLASH ALU panic bar consists of an anodized aluminum horizontal bar and an internal connection tube that inserts into the mechanisms which activate the lock.

- 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 aluminum alloy carter covers with polished chrome finishing, one of which has a green label to identify 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
- The carters are finished with tri-valent chrome in compliance with the ROSH regulation

NOTE

It is not advisable to use the anti-panic bar SLASH ALU for marine environments or in particularly humid areas. For these situations the use of the anti-panic bar SLASH S.S. is recommended.

VERSIONS AVAILABLE



VARIATIONS ON REQUEST (see dedicated page)

- Aluminum bar painted in RAL colors
- MAC1 panic lock with access control system, combinable with BM versions
- Mastered or encoded cylinders
- Microswitch and cable sleeve for signaling when the door is open

SLASH ALU (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 polished chrome aluminum carter covers, Nr. 1 anodized aluminum bar with connection tube and spacer, Nr. 1 hole cover in black 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 polished chrome aluminum 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 ALU 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 polished chrome aluminum carter covers, Nr. 1 anodized aluminum bar with connection tube and spacer, Nr. 1 hole cover in black plastic with base plate, 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

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 80 mm entrance, Nr. 2 mechanisms, Nr. 2 polished chrome aluminum 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 polished chromed aluminum 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

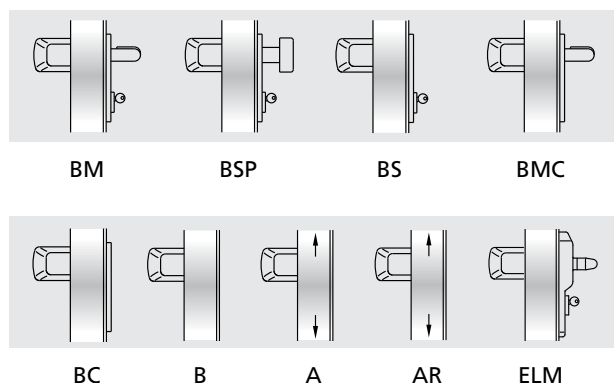


Description

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 furniture 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 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

General information

Panic bars - System components

COMPONENTS OF THE CERTIFIED SYSTEM

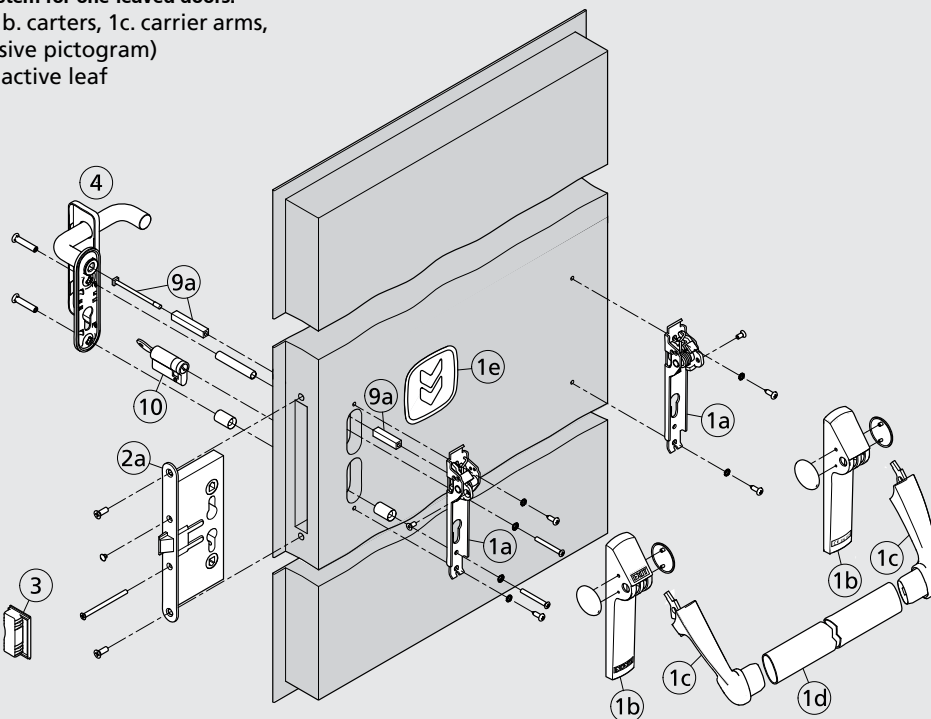
All NINZ panic bars are supplied in complete KITS to ensure conformity with EN 1125:2008 standards and **CE** certification of the product. When supplied together with the door, several of these components are already mounted

on the leaf and/or doorframe.

The purpose of the following examples is to help clarify what panic bars must include to comply with certified samples.

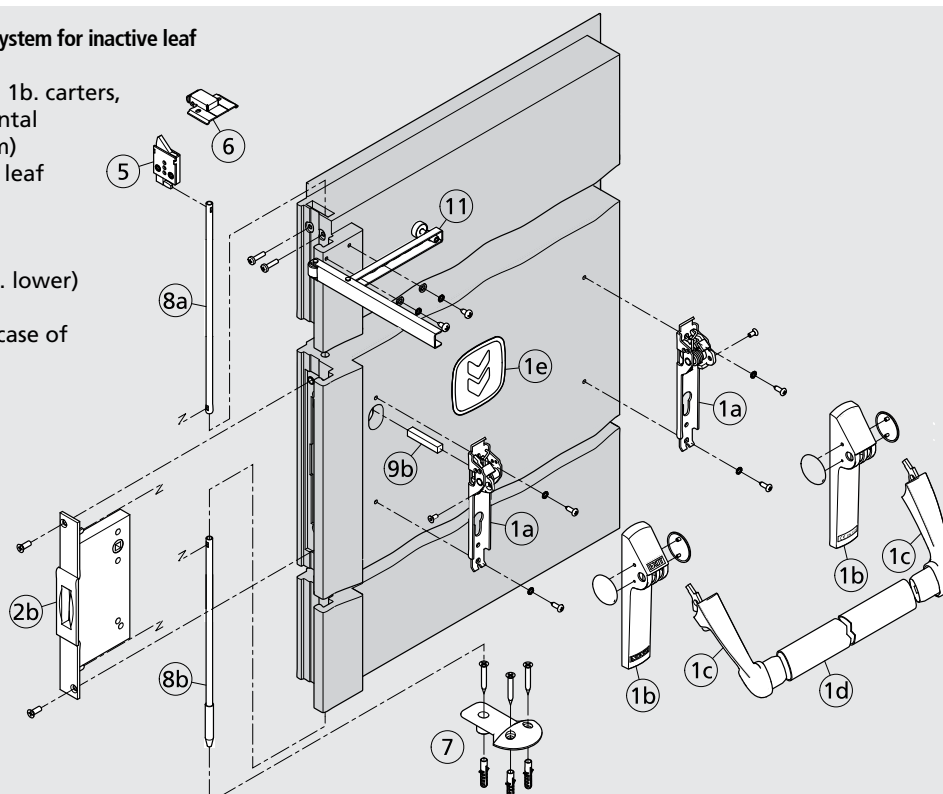
Certified components of the EXUS system for one-leaved doors:

1. panic bar (1a. mechanisms, 1b. carters, 1c. carrier arms, 1d. horizontal bar, 1e. adhesive pictogram)
- 2a. panic safe lock for single or active leaf
3. strike box lock
4. external operation
- 9a. square spindle
10. half cylinder or cylinder to pass



Certified components of the EXUS system for inactive leaf of two-leaved doors:

1. panic bar (1a. mechanisms, 1b. carters, 1c. carrier arms, 1d. horizontal bar, 1e. adhesive pictogram)
- 2b. panic safe lock for inactive leaf
5. upper bolt device
6. strike box with roller
7. floor catch set
8. vertical rods (8a. upper, 8b. lower)
- 9b. square spindle
11. carrier arm (mandatory in case of fire-rated doors only)



Variations on request

For panic bars

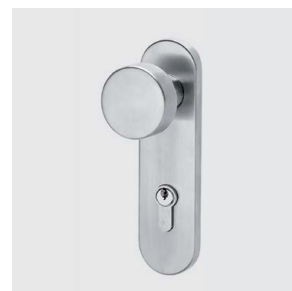
NINZ[®]
FIREDOORS

STAINLESS STEEL EXTERNAL DOOR FURNITURE

For all black plastic exit devices (except for those designed for glazed doors), brushed stainless steel external BM, BSP, BS BMC and BC commands are available on request.



BM stainless steel

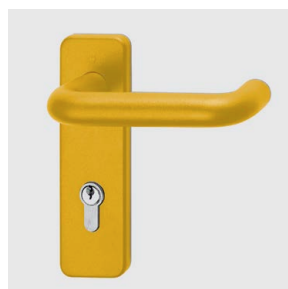


BSP stainless steel

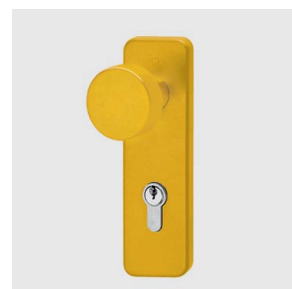
COLORED PLASTIC EXTERNAL DOOR FURNITURE

For all black plastic exit devices (except for those designed for glazed doors), painted plastic external BM and BSP commands are available on request.

Colors available:					*light aluminum
RAL	RAL	RAL	RAL	RAL	
1023	7016	7035	9006*	9010	



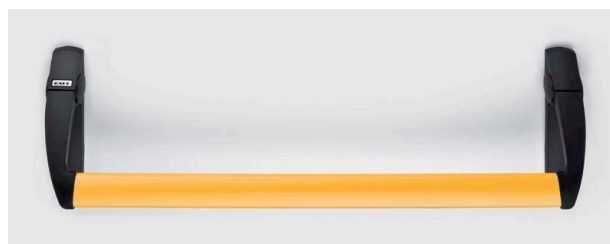
BM colored RAL1023



BSP colored RAL1023

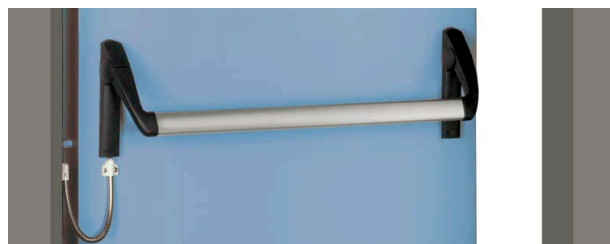
PAINTED HORIZONTAL BAR

For all exit devices (except for those with a stainless steel bar), the aluminum horizontal bar may be painted in the RAL color of your choice.



VERSION „E“ WITH MICROSWITCH

All exit devices may be equipped with a microswitch incorporated in the hinge side mechanism for signaling when the door is open. The cable and cable sleeve for the electrical connection between the exit device and the wall are included.



MAC1[®] AND MAC1[®] FAILSAFE ACCESS CONTROL SYSTEMS

For all exit devices with type BM external door furniture (except for those designed for glazed doors), the panic lock is also available with the access control function. Delivery together with the door includes the following: the MAC1 or MAC1 FAILSAFE lock, external command with LED, internal cabling of the leaf and the electric contacts between the door leaf and door frame. In case of delivery as a Kit with panic bar instead of the internal cabling and the electric contacts a power supply cable and a flexible cable sleeve will be supplied.

MAC1 and MAC1 FAILSAFE:

- powered at 12-24 V AC/DC
- 250 mA absorption with startup at 500 mA at 12V or max. 1A at 24V
- timer incorporated, time set at 30 seconds
- possibility for continuous handle activation (open setting)



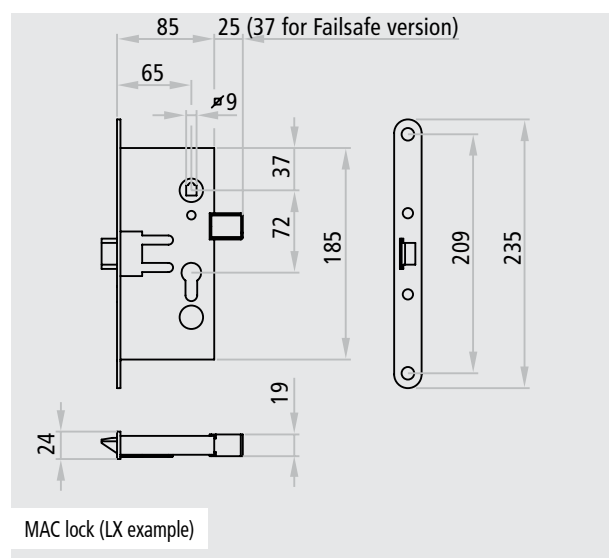
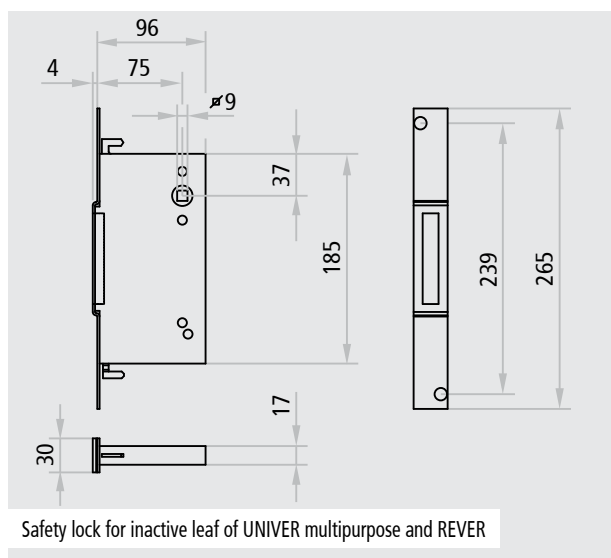
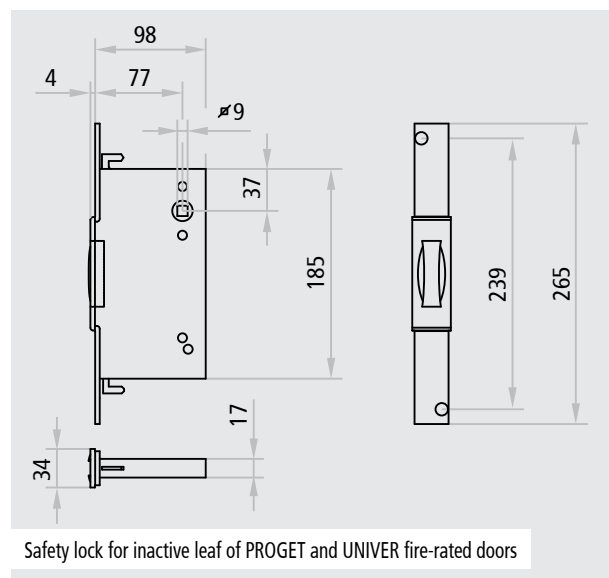
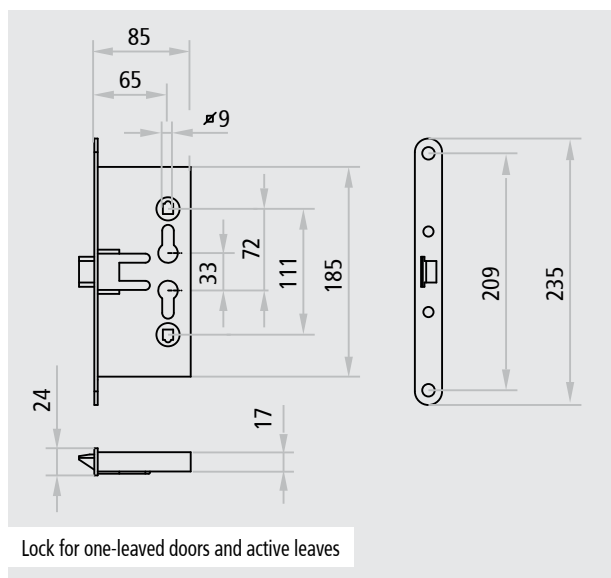
Handle for MAC1 and MAC1 FAILSAFE locks with LEDs

For sizes, information and technical data consult the dedicated pages

Dimensional drawings

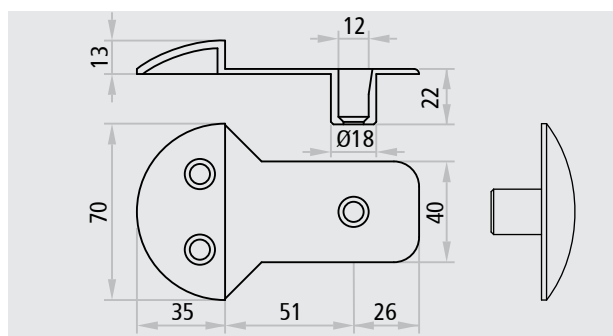
For panic bar components

Article Nr.	Description
3201001.016	Lock for one-leaved doors and active leaves (AP 16/18)
3201001.024	Safety lock for inactive leaves (AP 020 P)
3201001.008	Safety lock for inactive leaves of UNIVER multipurpose and REVER (AP 020 U)
3201001.041	MAC1 Left lock
3201001.042	MAC1 Right lock
2401001.001	Lower floor catch for inactive leaf of PROGET and other multipurpose doors
3105019.001	Lower floor catch for inactive leaf of UNIVER
3105020.001	Lower floor catch for inactive leaf of REVER
2401006.001	Strike plate insert for one-leaved PROGET and other multipurpose doors
3105080.001	Upper re-latch device for inactive leaf of PROGET and other multipurpose doors
3105024.001	Upper re-latch device for inactive leaf of UNIVER and REVER
2401046.001	Upper strike box for inactive leaf of PROGET and other multipurpose doors
3305001.001	Carrier arm for inactive leaf

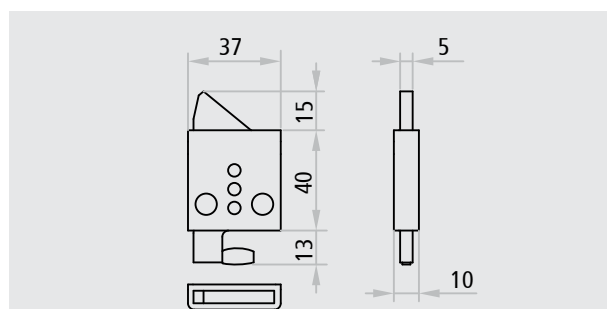


Dimensional drawings

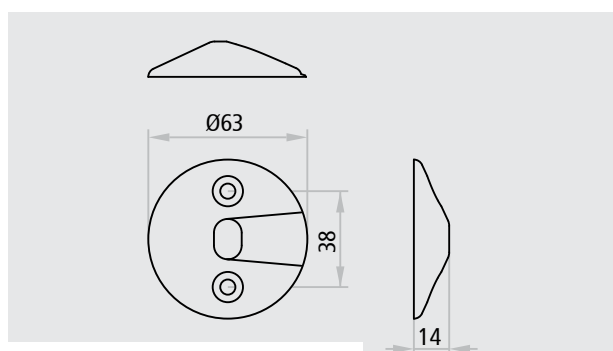
For panic bar components



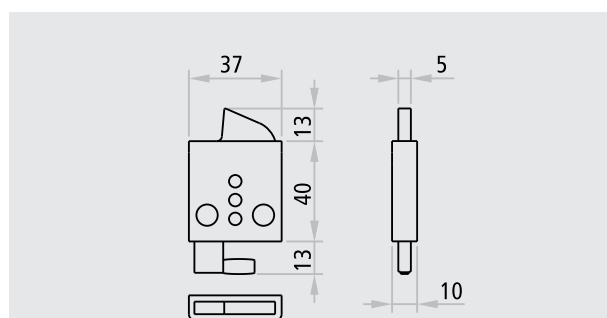
Lower floor catch for inactive leaf of PROGET and other multipurpose doors



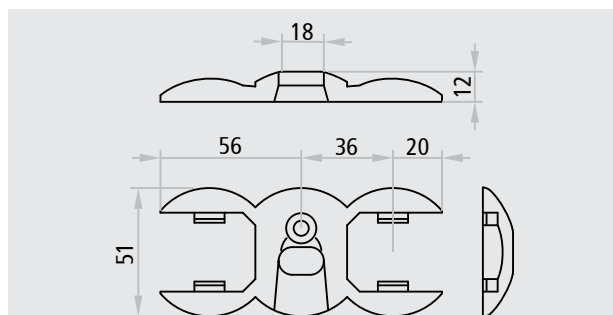
Upper re-latch device for inactive leaf of PROGET and other multipurpose doors



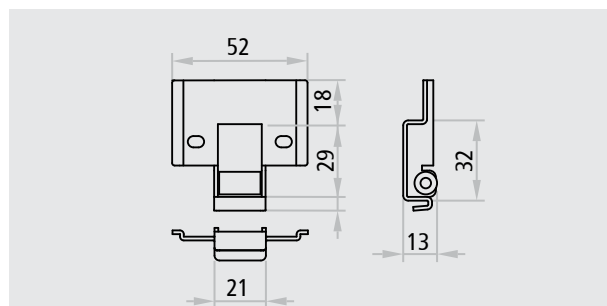
Lower floor catch for inactive leaf of UNIVER



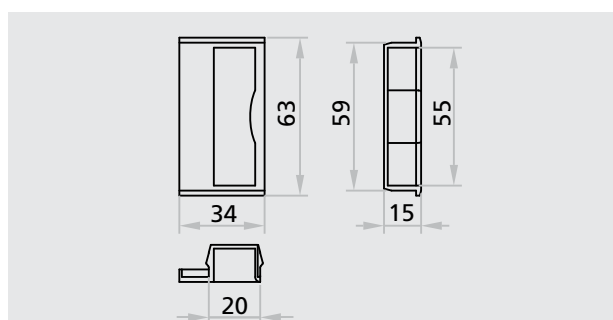
Upper re-latch device for inactive leaf of UNIVER and REVER



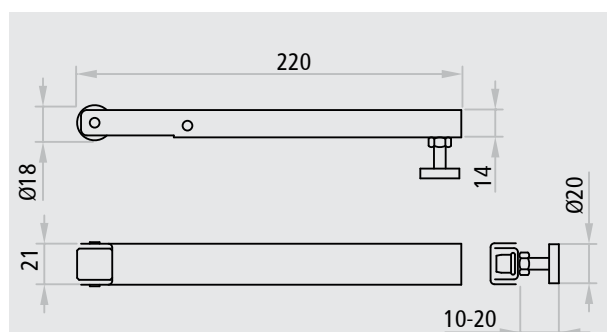
Lower floor catch for inactive leaf of REVER



Upper strike box for inactive leaf of PROGET and other multipurpose doors



Strike box lock insert for one-leaved doors of PROGET and other multipurpose doors



Carrier arm for inactive leaf



Ninz S.p.A. | Corso Trento 2/A | I-38061 Ala (TN)
Tel. +39 0464 678 300 | Fax +39 0464 679 025
info@ninz.it | www.ninz.it