

NINZ[®]
FIREDOORS

PROGET Fire doors



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"

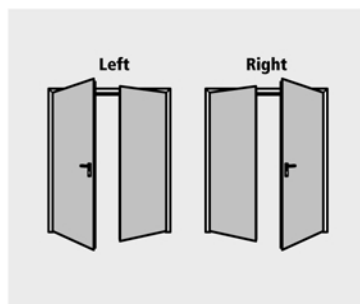
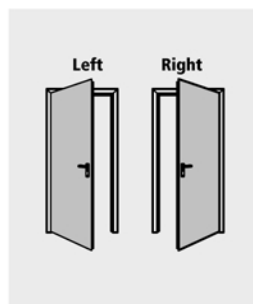
- In-house Ninz R&D with specialized testing equipment
- Fire testing in accordance with UNI 9723 and EN 1634-1
- Mechanical testing for the **CE** marking of accessories
- **CE** marked door accessories studied and sized to meet standard European requirements
- Careful selection of materials and manufacturing 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:

REI 60 REI 120



Two-leaved doors available in the following classes:

REI 60 REI 120



NOTE

The colors represented in the photos are not standard.
Door closer provided upon request only.

STANDARD ELEMENTS

which comprise Proget fire doors:

Door leaf

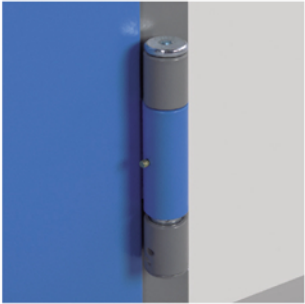
- Made of "Sendzimir" processed hot-galvanized sheet metal, press folded and electro welded
- Perimetral rebate on 3 sides, flat at the bottom
- Internally reinforced with hot-galvanized steel profiles
- Heat-insulated treated mineral wool packing that is rigidly joined to the sheet metal
- Internal 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 PA6 black nylon 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
- **CE** marked in conformity with EN 12209 standard
- Insert with patent key, Euro profile cylinder ready

Handle

- Fire rated handle in black PA6 nylon with steel core
- Steel installation plate with cylinder hole
- Backplate in black PA6 nylon
- Fastener screws and patent key insert

NOTE

Cylinder and rebate sealing provided on request only.
The handle requires assembly.

WINDOW WITH FIRE RATED GLASS

Upon request all one- and two-leaved fire doors REI 60 and REI 120 may be equipped with round or rectangular windows with fire rated stratified glass and window frames.

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

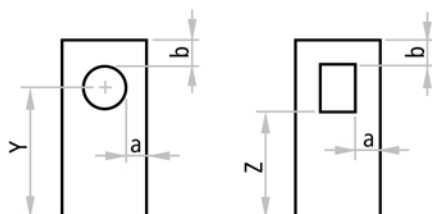
"Border measurement" refers to the distance from the edge of the window to the wall opening of the door.

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

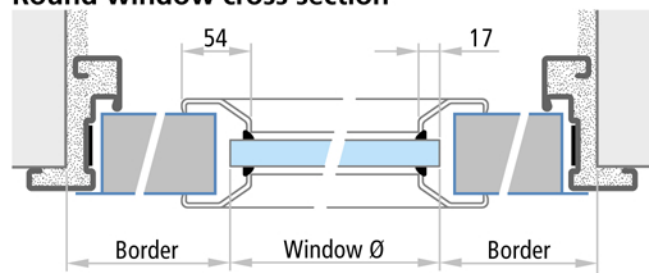


NOTE

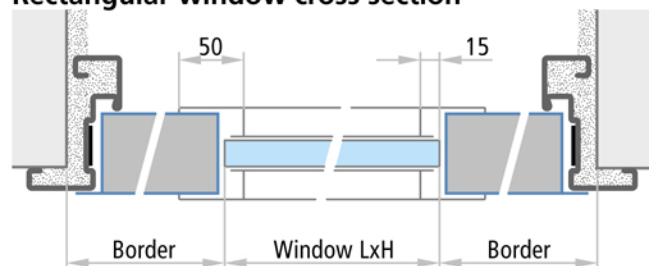
Position and measurements indicated above are for standard. Different positions and measurements may be considered as long as they respect the minimum "a" and "b" border strips and maximal measurements mentioned in the certificate for the window. The window itself may not be supplied separately except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



Round window cross section



Rectangular window cross section



Window thickness

class	glass thickness
REI 60	21 mm
REI 120	53 mm

ATTENTION

REI windows become opaque on exposure to temperatures of 40 degrees or higher, or when installed outside and exposed to UV radiation. Minor aesthetic imperfections or tiny air bubbles do not compromise the fire resistance of the glass, and do not constitute grounds for claims. For special instructions and recommendations for fire windows, see the "Notices" reported on the last page of the window accessories section of the present brochure.

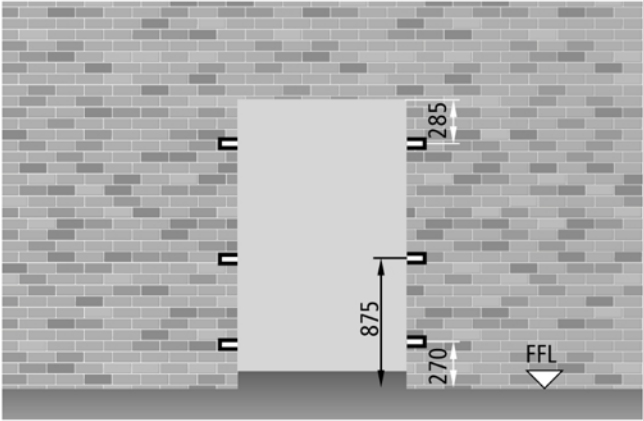
**INSTALLATION WITH ANCHORS
FOR MORTAR FIXING**

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 mechanical hold, the space between the doorframe and the masonry should always be filled with concrete mortar.

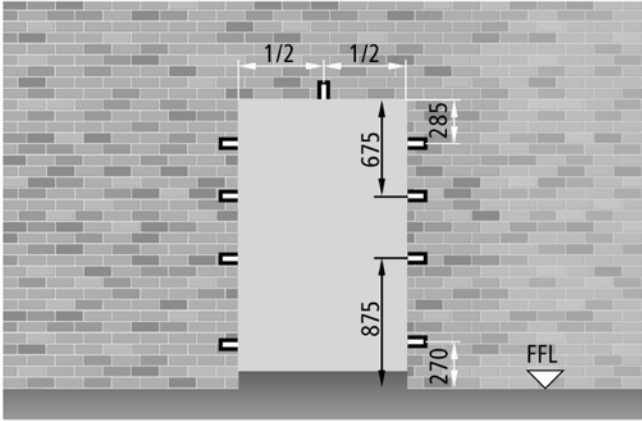


One-leaved doors

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

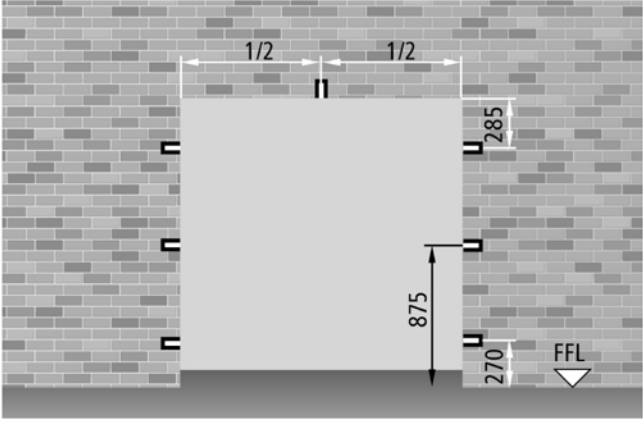


FM L greater than 1035 and/or FM H greater than 2200

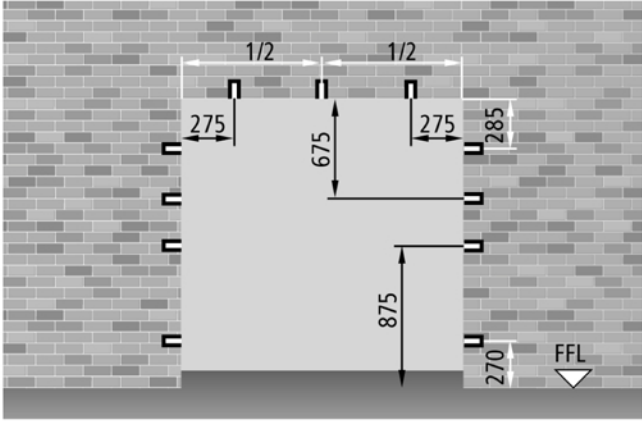


Two-leaved doors

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.

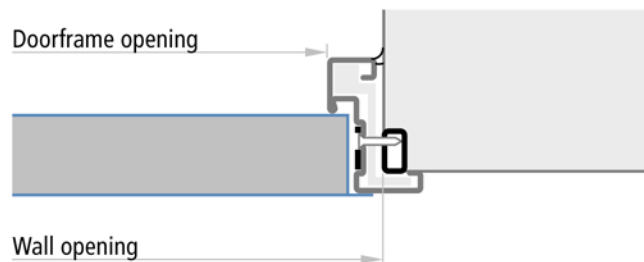
DRY WALL INSTALLATION ONTO THE SUBFRAME WITH SCREWS

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.

The subframe is made of hollow steel profiles, cross section 30 x 15 mm, complete with spacers and anchors for mortar fixing. Subframes need to be ordered separately from the door. Make sure measurements correspond to the door's FM L x FM H measurements.

The supplied subframe comes factory heat-insulated with special materials and includes corner joints and a lower spacer to be added on site.

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

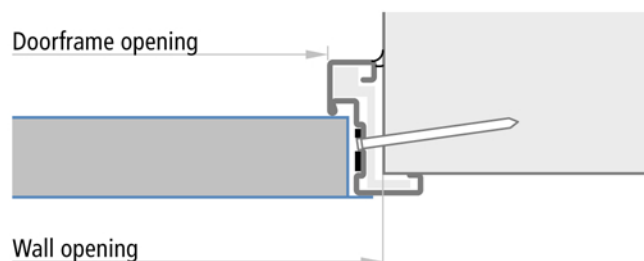


INSTALLATION FOR EXPANSION SCREWS FIXING

Installation method certified for one- or two-leaved REI 60 and REI 120 doors, in conformity with UNI 9723 standard, for expansion screws. Designed for installations onto concrete, full bricks, half-full bricks, lightened cement and other materials.

The supplied subframe comes factory heat-insulated with special materials and includes corner joints and a lower spacer 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.

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.



DOOR HANDLES

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

M1 handles are fire rated consisting of a metal core inside the lever and a galvanized steel cover plate to protect the cylinder hole.

The M1 handles have been certified in accordance with DIN 18273:1997-12.

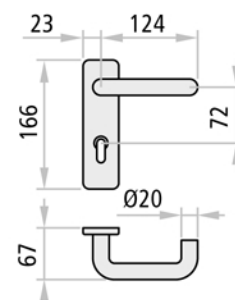
M1 HANDLE

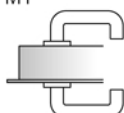
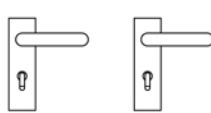
Fire rated Univer and Proget doors are equipped by default with M1-type handles.

The M1 handle package includes: a pair of black nylon lever with metal cores and galvanized steel installation plates, a pair of black nylon backplates with patent-type cylinder hole adaptable for installment 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 NYLON 6 Handle

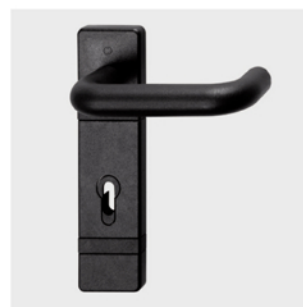


Version	description		functioning	use	
M1			handle/handle combination with cylinder hole on both sides. To be combined with locks with an inter-axis distance of 72 mm (015)	door opening by handle or key from both sides	applications in which both door opening directions are accessible without key

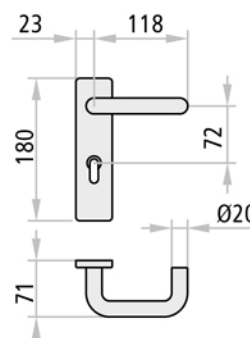
M1R HANDLE



The multi-purpose Univer and Proget doors are equipped with M1R-type handles.

The M1R handle package includes: a pair of black nylon lever handles, a pair of black nylon backplates with patent-type cylinder holes adaptable for installment of Euro profile cylinders, a 125 mm long 9 x 9 square spindle, fastener screws and spacers.



M1.R NYLON 6 Handle



Version	description		functioning	use
M1R		 <p>handle/handle combination with cylinder hole on both sides. To be combined with locks with an inter-axis distance of 72 mm (015)</p>	door opening by handle or key from both sides	applications in which both door opening directions are accessible without key

NOTE

Handles are considered to be accessories and are not pre-assembled. Cylinders need to be ordered separately (except for Secur handles).



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