NINZ®

FIREDOORS

GENERAL CATALOGUE

EDITION 11/08 - English

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NINZ® FIREDOORS

GENERAL INDEX

Ninz company maintains the right to introduce technical modifications any time without notice.
All dimensions expressed in mm.

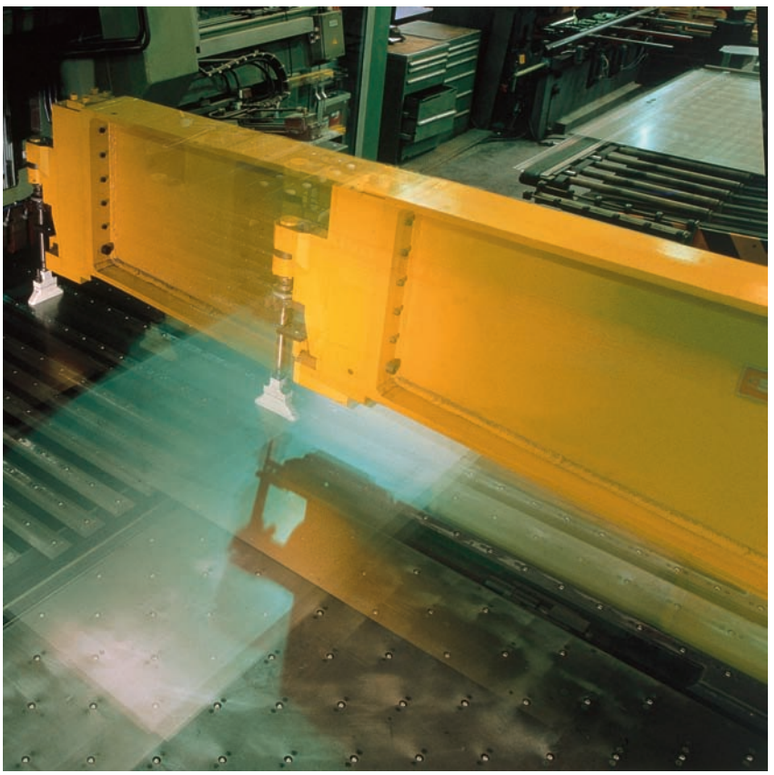
COMPANY INTRODUCTION

NINZ FIREDOORS have been engaged in the manufacturing and sale of firedoors for both domestic and international markets since 1976. Particular attention is paid to respecting all norms currently in force. The combination of the company's research programme and continuous fire-resistance tests in the testing ovens ensures the consistently high quality standard of the products.

The NINZ certificates conform to the new UNI 9723 standard.

The wide product range and above all the large dimensions of the test models, combine to give enormous design flexibility within the size limits imposed by the UNI 9723 norm.

The great flexibility of the machinery and of the computer-controlled equipment allow for the speedy manufacturing of REI 60 and REI 120 firedoors as well as multipurpose doors in both single-leaf and double-leaf versions. Many doors are available in standard sizes or special sizes, with a considerable colour range to choose from. All manufacturing processes, from the initial cutting of the sheet metal, to the painting and attention to the most minute details, are carried out in the facilities located in Bolzano (BZ) and Ala (TN).



UNIVER DOORS

EI_2 30 - EI_2 60

REI 60 - REI 120

Ninz company maintains the right to introduce technical modifications any time without notice.
All dimensions expressed in mm.

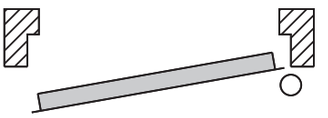
Fire break doors are normally installed to compartmentalize the inside of buildings and are built for that purpose.

NINZ® FIREDOORS

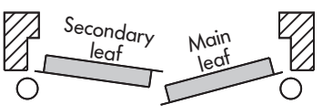
ILLUSTRATIONS
Univer doors

- **Versions EI_2 30 single leaf doors**
- **Versions EI_2 60 / SM / C5 single and double-leaf doors**
- **Versions REI 60 / REI 120 single and double-leaf doors**
- **Reversible SX or DX**
- **Immediate delivery from stock**
- **Fix with anchors or expansion screws**
- **Adjustable hinges**
- **With or without bottom frame**
- **Frame including cover profile also on the traverse**
- **Preparation for fittings**

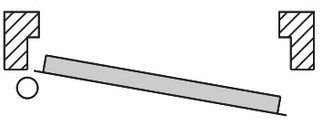
Opening right (DX)
single-leaf door



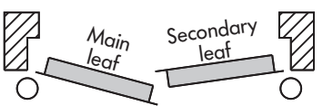
Opening right (DX)
double-leaf door



Opening left (SX)
single-leaf door



Opening left (SX)
double-leaf door



ILLUSTRATIONS
Univer doors


Removable cover profile to be laid on a finished floor.

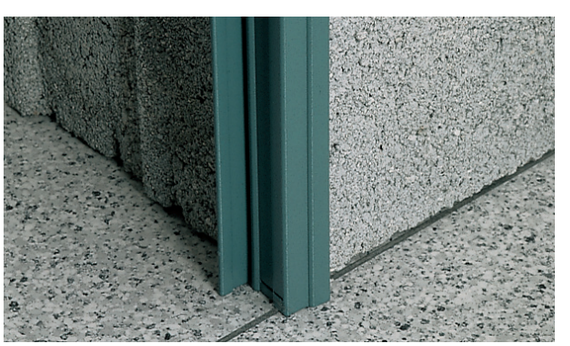


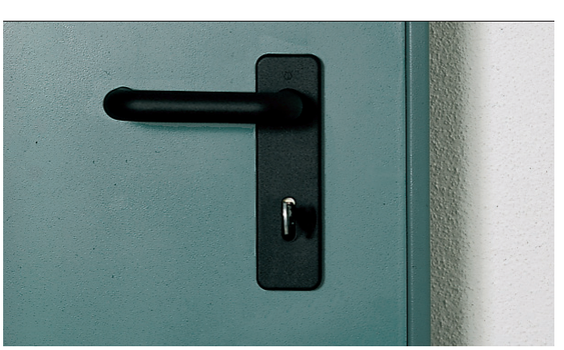
Brackets to fix with mortar. Preparation for fixing with expansion screws.

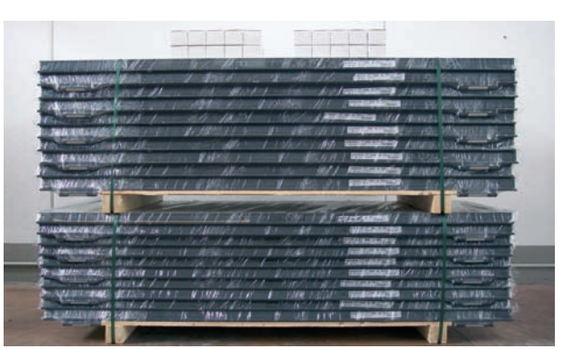

Hinge with self-closing spring.


Ball-bearing hinge with screws for the vertical adjustment.


Bottom-part frame, removable.


Without frame at floor.

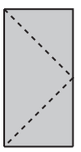

Black safety handle set steel core.


Packed individually in nylon on pallets.

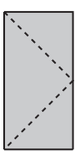
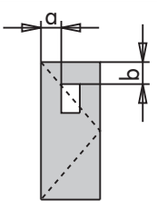
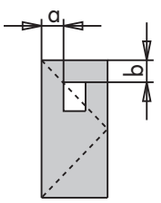
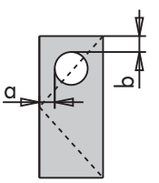
NINZ® FIREDOORS

MODELS/CERTIFICATES

Univer EI_2 30 single-leaf doors

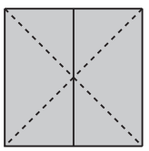
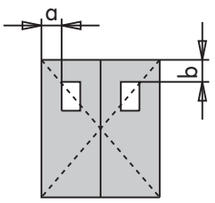
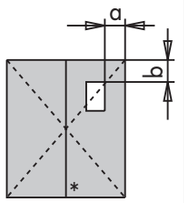
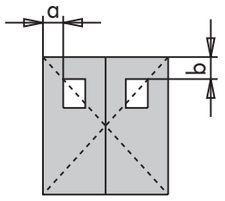
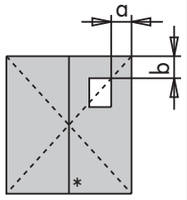
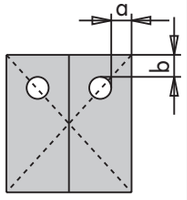
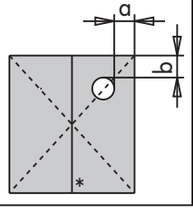
Versions	Wall opening	Notes / Glass panel dimensions	Certificates / Government approval
	L = 800 - 1150 H = 1780 - 2150	with BRACKETS	EI_2 30 CSI1250FR (UNI EN 1634)

Univer EI_2 60 single-leaf doors

Versions	Wall opening	Notes / Glass panel dimensions	Certificates / Government approval
	L = 540 - 1150 H = 1780 - 2150	with BRACKETS or EXPANSION SCREWS	EI_2 60 IFT 27132191 IFT 27132192
	L = 750 - 1150 H = 1780 - 2150	with BRACKETS or EXPANSION SCREWS L = 250 H = 400 a minimum 250 b minimum 300	EI_2 60 IFT 27132191 IFT 27132192
	L = 800 - 1150 H = 1780 - 2150	with BRACKETS or EXPANSION SCREWS L = 300 H = 400 a minimum 250 b minimum 300	EI_2 60 IFT 27132191 IFT 27132192
	Ø300 L = 740 - 1150 H = 1780 - 2150 Ø400 L = 840 - 1150 H = 1780 - 2150	with BRACKETS or EXPANSION SCREWS diam. = 300 diam. = 400 a minimum 220 b minimum 300	EI_2 60 IFT 27132191 IFT 27132192

MODELS/CERTIFICATES

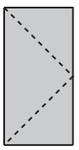
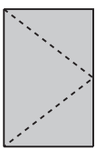
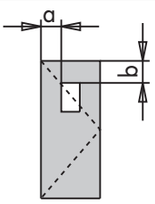
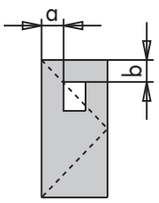
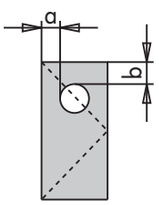
Univer EI_2 60 double-leaf doors

Versions	Wall opening	Notes / Glass panel dimensions	Certificates / Government approval
	L = 1000 (L1 500 + L2 500)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with BRACKETS or EXPANSION SCREWS	EI_2 60 IFT 27132706 IFT 27132707
	L = 1700 (L1 850 + L2 850)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with BRACKETS or EXPANSION SCREWS L = 250 H = 400 a minimum 300 b minimum 300	EI_2 60 IFT 27132706 IFT 27132707
* = main leaf 	L = 1350 (L1 850 + L2 500)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with BRACKETS or EXPANSION SCREWS L = 250 H = 400 a minimum 300 b minimum 300	EI_2 60 IFT 27132706 IFT 27132707
	L = 1800 (L1 900 + L2 900)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with BRACKETS or EXPANSION SCREWS L = 300 H = 400 a minimum 300 b minimum 300	EI_2 60 IFT 27132706 IFT 27132707
* = main leaf 	L = 1400 (L1 900 + L2 500)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with BRACKETS or EXPANSION SCREWS L = 300 H = 400 a minimum 300 b minimum 300	EI_2 60 IFT 27132706 IFT 27132707
	Ø300 L = 1480 (L1 740 + L2 740) - 2000 (L1 1000 + L2 1000) - H = 1780 - 2150 Ø400 L = 1680 (L1 840 + L2 840) - H = 1780 - 2150	with BRACKETS or EXPANSION SCREWS diam. = 300 diam. = 400 a minimum 220 b minimum 300	EI_2 60 IFT 27132706 IFT 27132707
* = main leaf 	Ø300 L = 1240 (L1 740 + L2 500) - 2000 (L1 1000 + L2 1000) - H = 1780 - 2150 Ø400 L = 1340 (L1 840 + L2 500) - 2000 (L1 1000 + L2 1000) - H = 1780 - 2150	with BRACKETS or EXPANSION SCREWS diam. = 300 diam. = 400 a minimum 220 b minimum 300	EI_2 60 IFT 27132706 IFT 27132707

NINZ® FIREDOORS

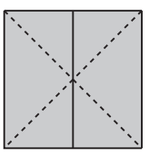
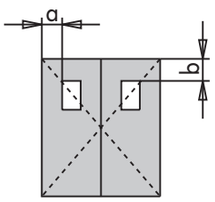
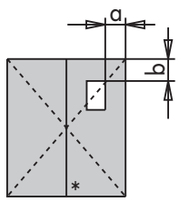
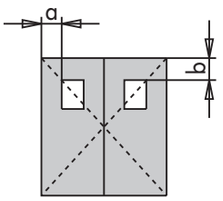
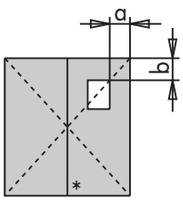
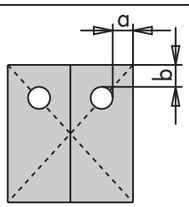
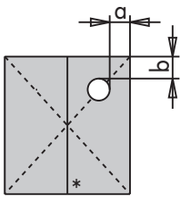
MODELS/CERTIFICATES

Univer REI 60 single-leaf doors

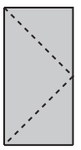
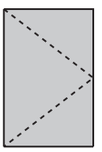
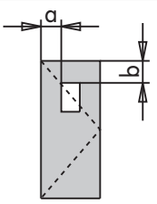
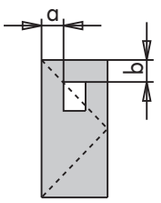
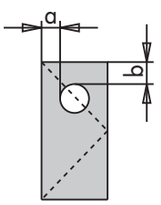
Versions	Wall opening	Notes / Glass panel dimensions	Certificates / Government approval
	L = 540 - 1000 H = 1780 - 2150 L = 856 - 1144 H = 1938 - 2150	with BRACKETS or EXPANSION SCREWS	REI 60 I.G.117935/1812RF I.G.117936/1813RF BZ050REI060P022F2
	L = 1145 - 1350 H = 1938 - 2150	with BRACKETS or EXPANSION SCREWS	REI 60 CSI0750RF CSI0751RF BZ050REI060P024F2
	L = 850 - 1020 H = 1780 - 2150 L = 880 - 1167 H = 1938 - 2150	with EXPANSION SCREWS L = 250 H = 400 a minimum 300 b minimum 300	REI 60 CSI1181FR BZ050REI060P028E1
	L = 900 - 1167 H = 1938 - 2150	with EXPANSION SCREWS L = 300 H = 400 a minimum 300 b minimum 300	REI 60 CSI1181FR BZ050REI060P028E1
	L = 740 - 1020 H = 1780 - 2150 L = 880 - 1167 H = 1938 - 2150	with EXPANSION SCREWS diam. = 300 a minimum 220 b minimum 300	REI 60 CSI1181FR BZ050REI060P028E1

MODELS/CERTIFICATES

Univer REI 60 double-leaf doors

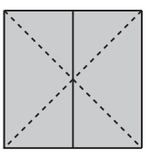
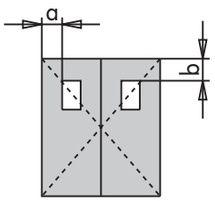
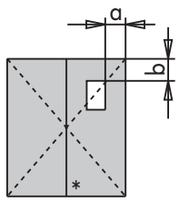
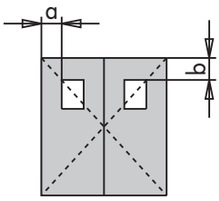
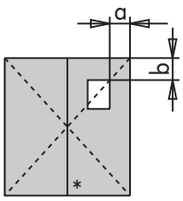
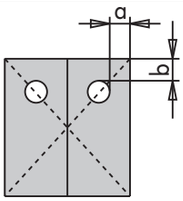
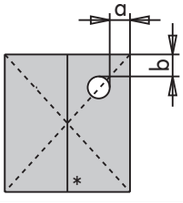
Versions	Wall opening	Notes / Glass panel dimensions	Certificates / Government approval
	L = 940 (L1 540 + L2 400)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS	REI 60 CSI1181FR BZ050REI060P028E1
	L = 1700 (L1 850 + L2 850)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS L = 250 H = 400 a minimum 300 b minimum 300	REI 60 CSI1181FR BZ050REI060P028E1
* = main leaf 	L = 1250 (L1 850 + L2 400)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS L = 250 H = 400 a minimum 300 b minimum 300	REI 60 CSI1181FR BZ050REI060P028E1
	L = 1800 (L1 900 + L2 900)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS L = 300 H = 400 a minimum 300 b minimum 300	REI 60 CSI1181FR BZ050REI060P028E1
* = main leaf 	L = 1300 (L1 900 + L2 400)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS L = 300 H = 400 a minimum 300 b minimum 300	REI 60 CSI1181FR BZ050REI060P028E1
	L = 1480 (L1 740 + L2 740)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS diam. = 300 a minimum 220 b minimum 300	REI 60 CSI1181FR BZ050REI060P028E1
* = main leaf 	L = 1140 (L1 740 + L2 400)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS diam. = 300 a minimum 220 b minimum 300	REI 60 CSI1181FR BZ050REI060P028E1

Univer REI 120 single-leaf doors

Versions	Wall opening	Notes / Glass panel dimensions	Certificates / Government approval
	L = 540 - 1000 H = 1780 - 2150 L = 856 - 1144 H = 1938 - 2150	with BRACKETS or EXPANSION SCREWS	REI 120 CSI0735RF CSI0739RF BZ050REI120P023F2
	L = 1145 - 1350 H = 1938 - 2150	with BRACKETS or EXPANSION SCREWS	REI 120 CSI0740RF CSI0741RF BZ050REI120P021F2
	L = 850 - 1020 H = 1780 - 2150 L = 880 - 1167 H = 1938 - 2150	with EXPANSION SCREWS L = 250 H = 400 a minimum 300 b minimum 300	REI 120 CSI1211FR BZ050REI120P030F1
	L = 900 - 1167 H = 1938 - 2150	with EXPANSION SCREWS L = 300 H = 400 a minimum 300 b minimum 300	REI 120 CSI1211FR BZ050REI120P030F1
	L = 740 - 1020 H = 1780 - 2150 L = 880 - 1167 H = 1938 - 2150	with EXPANSION SCREWS diam. = 300 a minimum 220 b minimum 300	REI 120 CSI1211FR BZ050REI120P030F1

MODELS/CERTIFICATES

Univer REI 120 double-leaf doors

Versions	Wall opening	Notes / Glass panel dimensions	Certificates / Government approval
	L = 940 (L1 540 + L2 400)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS	REI 120 CSI1211FR BZ050REI120P030F1
	L = 1700 (L1 850 + L2 850)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS L = 250 H = 400 a minimum 300 b minimum 300	REI 120 CSI1211FR BZ050REI120P030F1
* = main leaf 	L = 1250 (L1 850 + L2 400)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS L = 250 H = 400 a minimum 300 b minimum 300	REI 120 CSI1211FR BZ050REI120P030F1
	L = 1800 (L1 900 + L2 900)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS L = 300 H = 400 a minimum 300 b minimum 300	REI 120 CSI1211FR BZ050REI120P030F1
* = main leaf 	L = 1300 (L1 900 + L2 400)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS L = 300 H = 400 a minimum 300 b minimum 300	REI 120 CSI1211FR BZ050REI120P030F1
	L = 1480 (L1 740 + L2 740)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS diam. = 300 a minimum 220 b minimum 300	REI 120 CSI1211FR BZ050REI120P030F1
* = main leaf 	L = 1140 (L1 740 + L2 400)- 2000 (L1 1000 + L2 1000) H = 1780 - 2150	with EXPANSION SCREWS diam. = 300 a minimum 220 b minimum 300	REI 120 CSI1211FR BZ050REI120P030F1

SPECIFICATIONS/SECTIONS

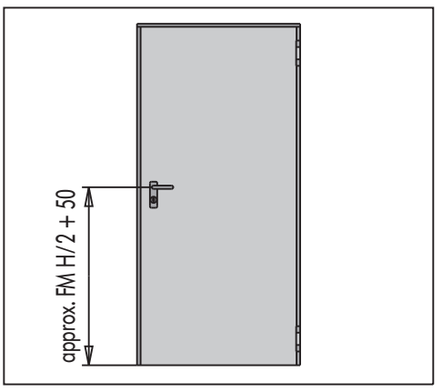
Univer EI_2 30 single-leaf doors

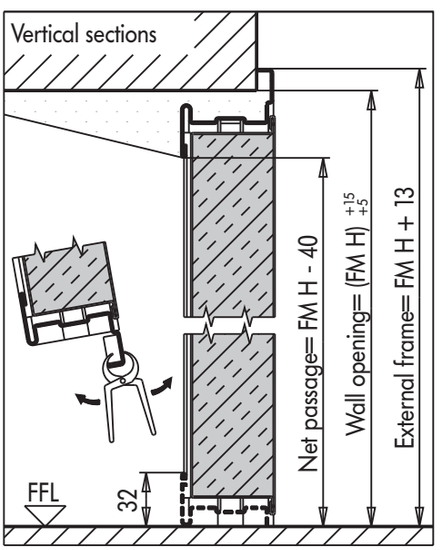
Univer EI_2 30 single-leaf doors (UNI EN 1634):

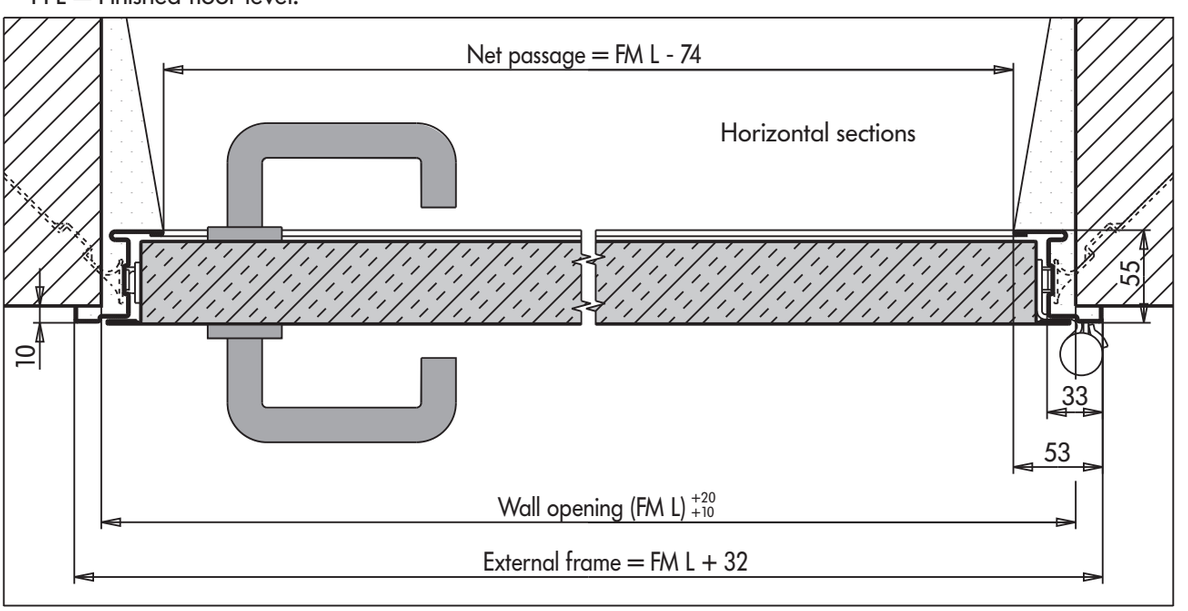
- ❏ **Galvanized** steel-sheet reversible door leaf with insulating-material core, total thickness 50 mm.
- ❏ Assembled corner reversible frame, with or without bottom frame, made of **galvanized** steel-sheet profile, with brackets to be set into wall.
- ❏ Reversible opening pull right (DX) or left (SX) for standard, semistandard and to order door version.
- ❏ Full lock complete with cylinder bore and keyhole for patent keys.
- ❏ Safety bolt in hinge-side leaf edge.
- ❏ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❏ 2 hinges: one hinge with self-closing spring, one ball-bearing hinge with screws for the vertical adjustment.
- ❏ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❏ Thermoexpanding gasket inserted in appropriate cavity in frame.
- ❏ Identification plate on door edge.
- ❏ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaf (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). By request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaf is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaf by means of sprayed inks. The decoration is protected by transparent varnish. The finishing can be smooth or embossed in accordance with the decoration selected.
- ❏ Maximum dimensions: 1150 x 2150.
- ❏ Weight approx. 29 kg/m² metre wall opening.

N.B.

- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on “surface finishing”.
- For door repainting follow instructions on page “surface treatment”.
- FFL = Finished floor level.







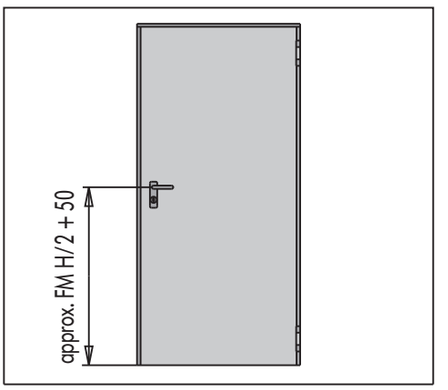
SPECIFICATIONS/SECTIONS

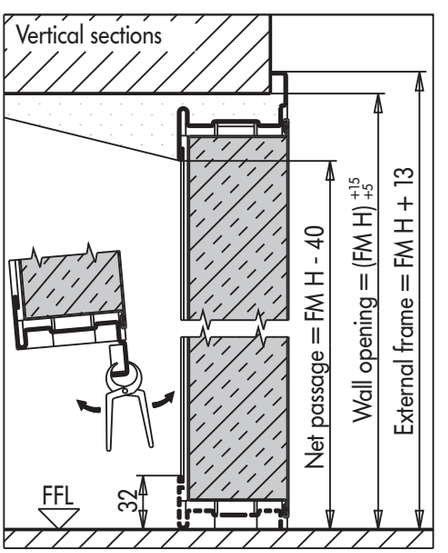
Univer EI_2 60 single-leaf doors

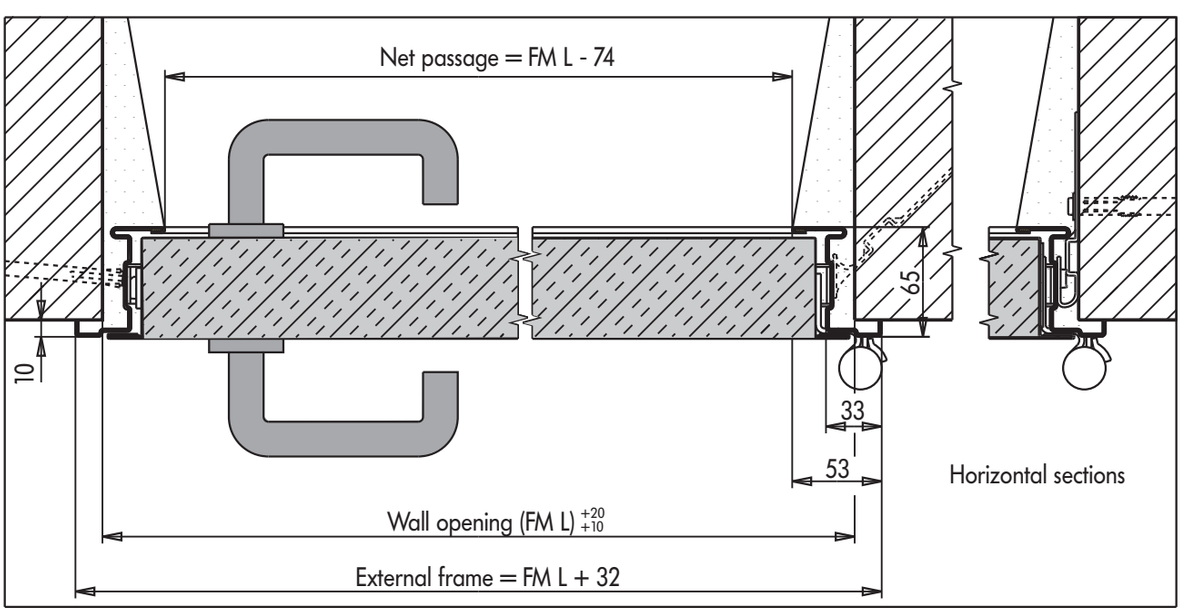
Univer EI_2 60 single-leaf doors (UNI EN 1634):

- ❑ **Galvanized** steel-sheet reversible door leaf with insulating-material core, total thickness 60 mm.
- ❑ Assembled corner reversible frame, with or without bottom frame, made of **galvanized** steel-sheet profile, with brackets to be set into wall and preparation for fixing with expansion screws.
- ❑ Reversible opening pull right (DX) or left (SX) for standard, semistandard and to order door version.
- ❑ Full lock complete with cylinder bore and keyhole for patent keys.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 2 hinges: one hinge with self-closing spring, one ball-bearing hinge with screws for the vertical adjustment.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame.
- ❑ On request the door can also be supplied as an EI_2 60-Sm smoke control door in accordance with standard EN 1634-1 and EN 1634-3. In this case the door comes fitted with a rubber seal FF / CR, an anodised automatic sill seals and a strike seal fitted to the central post.
- ❑ Fitted with door closer CP1 or CP 2 the door can be classified C.
- ❑ Identification plate on door edge.
- ❑ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaf (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). By request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaf is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaf by means of sprayed inks. The decoration is protected by transparent varnish. The finishing can be smooth or embossed in accordance with the decoration selected.
- ❑ Maximum dimensions: 1150 x 2150.
- ❑ Weight approx. 35 kg/m² wall opening.

N.B.
- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- For door repainting follow instructions on page "surface treatment".
- FFL = Finished floor level.







SPECIFICATIONS/SECTIONS

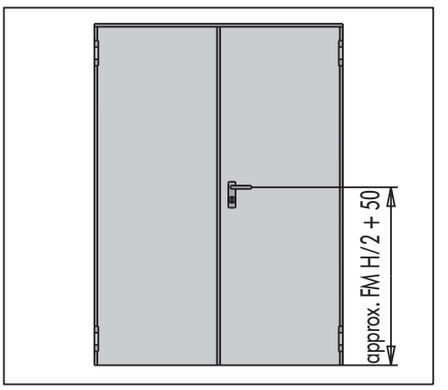
Univer EI_2 60 double-leaf doors

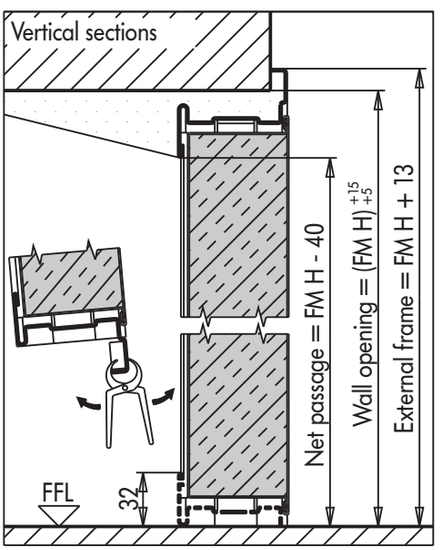
Univer EI_2 60 double-leaf doors (UNI EN 1634):

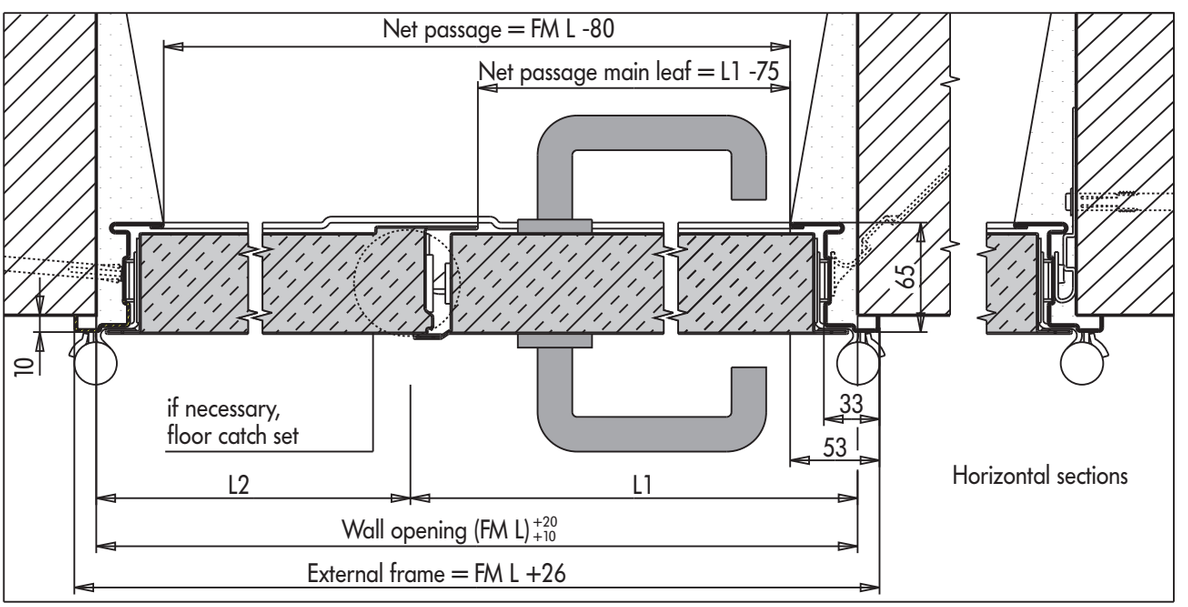
- ❑ **Galvanized** steel-sheet reversible door leaf with insulating-material core, total thickness 60 mm.
- ❑ Corner reversible frame, with or without bottom frame, made of **galvanized** steel-sheet profile, with brackets to be set into wall and preparation for fixing with expansion screws. The frame is supplied non-assembled.
- ❑ Reversible opening pull right (DX), transformable in pull left (SX) for standard, semistandard and to order door version.
- ❑ Full lock in main leaf with cylinder bore and plastic keyhole for patent key, included.
- ❑ Self-locking mechanism with built-in release lever on secondary door leaf.
- ❑ Milled slot for the automatic blocking lock on the secondary door leaf prepared for the application of panic hardware.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 4 hinges, one per leaf with spring for the self-closing and one per leaf ball-bearing with screws for the vertical adjustment.
- ❑ Locking regulator to guarantee the correct locking sequence.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Floor catch to be fitted by means of screws/plugs onto the finished floor.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame.
- ❑ On request the door can also be supplied as an EI_2 60-Sm smoke control door in accordance with standard EN 1634-1 and EN 1634-3. In this case the door comes fitted with a rubber seal FF /CR, two anodised automatic sill seals and a strike seal fitted to the central post.
- ❑ Fitted with two door closers CP1 or CP2 the door can be classified C5.
- ❑ Identification plate on door edge.
- ❑ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). By request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaves is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaves by means of sprayed inks. The decoration is protected by transparent varnish. The finishing can be smooth or embossed in accordance with the decoration selected.
- ❑ Maximum dimensions: 2000 x 2150 mm.
- ❑ Weight approx. 35 kg/m^2 wall opening.

N.B.

- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- For door repainting follow instructions on page "surface treatment".
- FFL = Finished floor level.







SPECIFICATIONS/SECTIONS

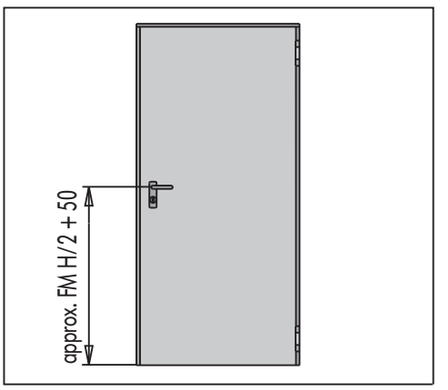
Univer REI 60 single-leaf doors

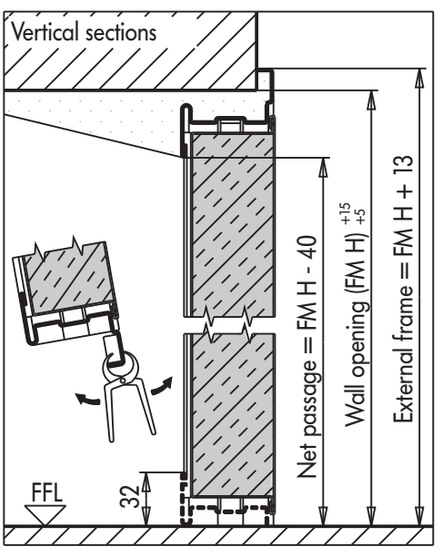
Univer REI 60 single-leaf doors:

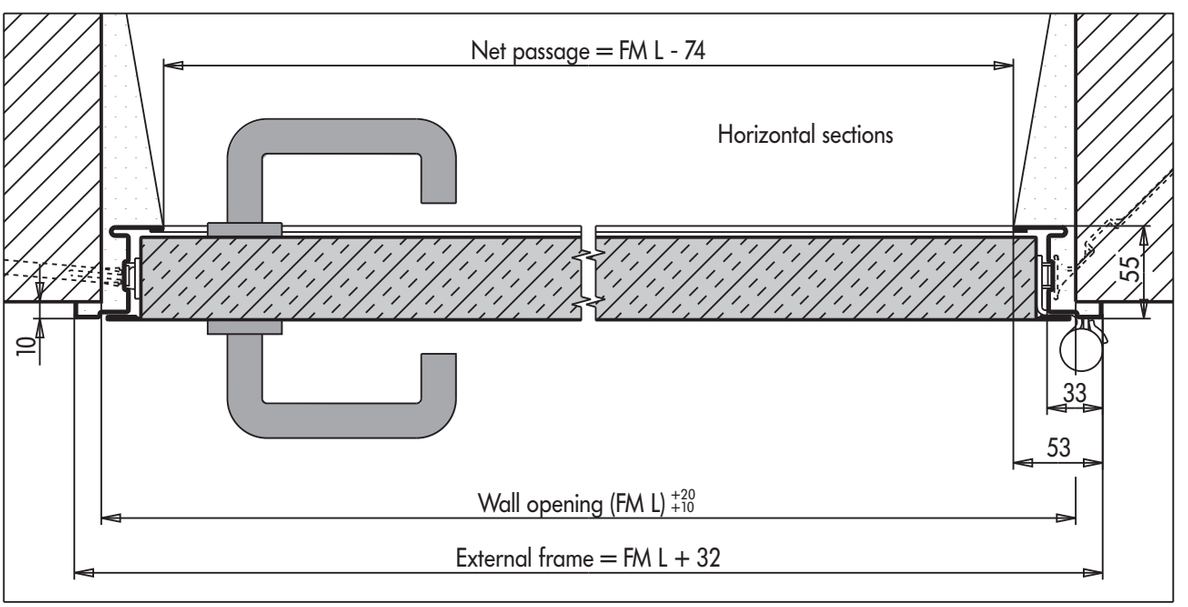
- ❑ **Galvanized** steel-sheet reversible door leaf with insulating-material core, total thickness 50 mm.
- ❑ Assembled corner reversible frame, with or without bottom frame, made of **galvanized** steel-sheet profile, with brackets to be set into wall and preparation for fixing with expansion screws.
- ❑ Reversible opening pull right (DX) or left (SX) for standard, semistandard and to order door version.
- ❑ Full lock complete with cylinder bore and keyhole for patent keys.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 2 hinges: one hinge with self-closing spring, one ball-bearing hinge with screws for the vertical adjustment.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame.
- ❑ Identification plate on door edge.
- ❑ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaf (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). By request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaf is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaf by means of sprayed inks. The decoration is protected by transparent varnish. The finishing can be smooth or embossed in accordance with the decoration selected.
- ❑ Maximum dimensions: 1350 x 2150 mm.
- ❑ Weight approx. 33 kg/m² wall opening.

N.B.

- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- For door repainting follow instructions on page "surface treatment".
- FFL = Finished floor level.







SPECIFICATIONS/SECTIONS

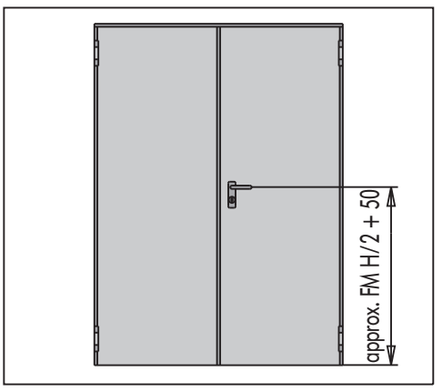
Univer REI 60 double-leaf doors

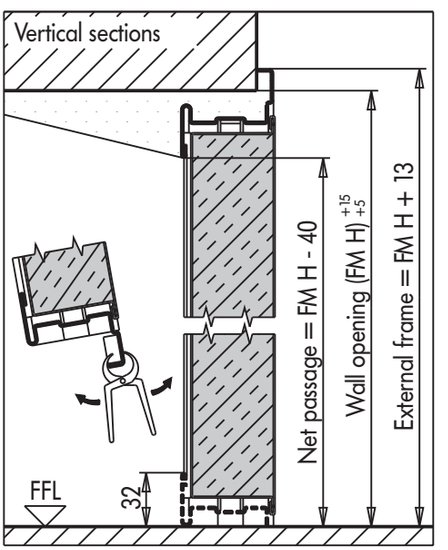
Univer REI 60 double-leaf doors:

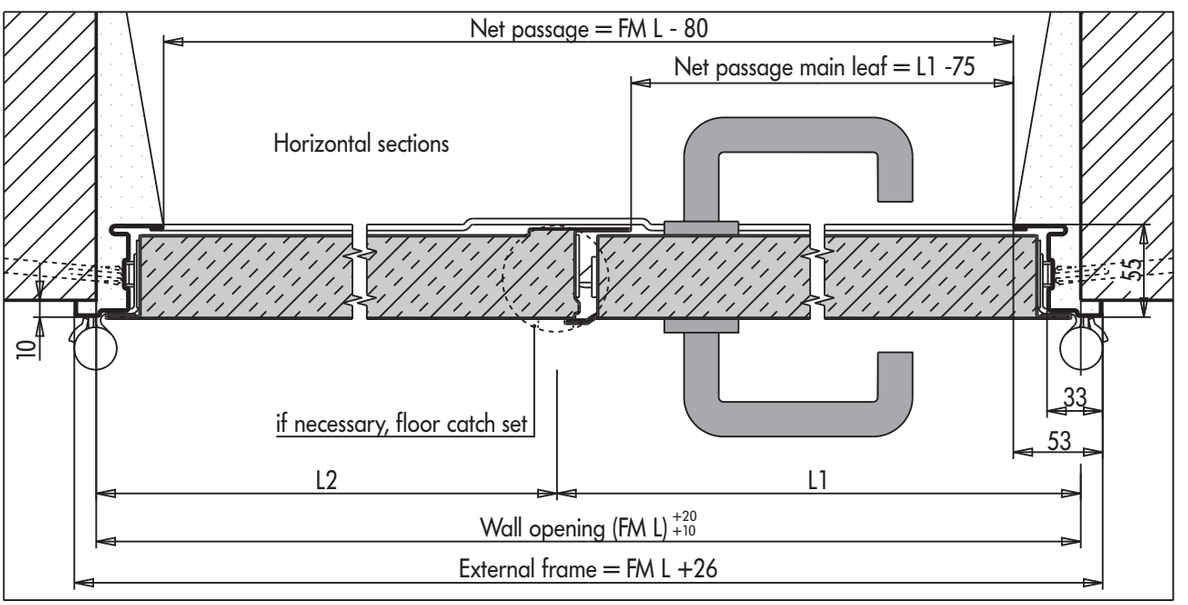
- ❑ **Galvanized** steel-sheet reversible door leaf with insulating-material core, total thickness 50 mm.
- ❑ Corner reversible frame, with or without bottom frame, made of **galvanized** steel-sheet profile, including preparation for plugs. The frame is supplied non-assembled.
- ❑ Reversible opening pull right (DX), transformable in pull left (SX) for standard, semistandard and to order door version.
- ❑ Full lock in main leaf with cylinder bore and plastic keyhole for patent key, included.
- ❑ Self-locking mechanism with built-in release lever on secondary door leaf.
- ❑ Milled slot for the automatic blocking lock on the secondary door leaf prepared for the application of panic hardware.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 4 hinges, one per leaf with spring for the self-closing and one per leaf ball-bearing with screws for the vertical adjustment.
- ❑ Locking regulator to guarantee the correct locking sequence.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Floor catch to be fitted by means of screws/plugs onto the finished floor.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame.
- ❑ Identification plate on door edge.
- ❑ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). By request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaves is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaves by means of sprayed inks. The decoration is protected by transparent varnish. The finishing can be smooth or embossed in accordance with the decoration selected.
- ❑ Maximum dimensions: 2000 x 2150 mm.
- ❑ Weight approx. 33 kg/m² wall opening.

N.B.

- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- For door repainting follow instructions on page "surface treatment".
- FFL = Finished floor level.







SPECIFICATIONS/SECTIONS

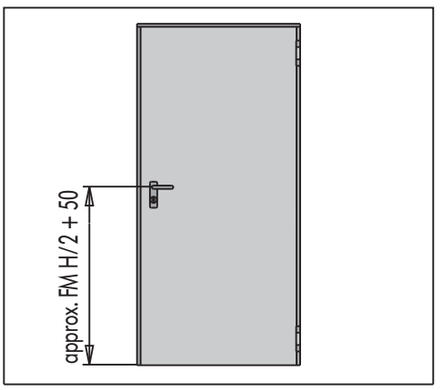
Univer REI 120 single-leaf doors

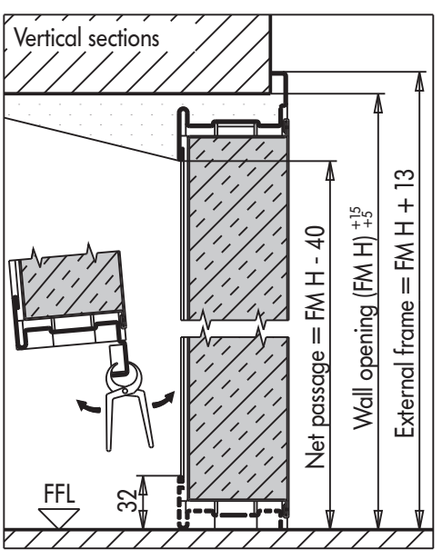
Univer REI 120 single-leaf doors:

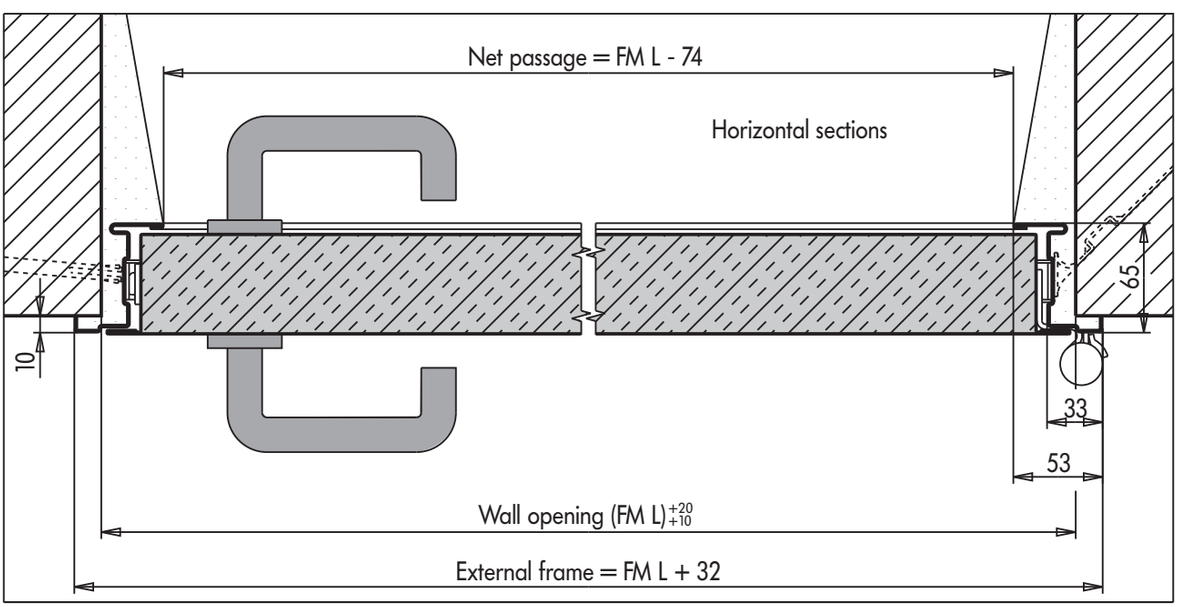
- ❑ **Galvanized** steel-sheet reversible door leaf with insulating-material core, total thickness 60 mm.
- ❑ Assembled corner reversible frame, with or without bottom frame, made of **galvanized** steel-sheet profile, with brackets to be set into wall and preparation for fixing with expansion screws.
- ❑ Reversible opening pull right (DX) or left (SX) for standard, semistandard and to order door version.
- ❑ Full lock complete with cylinder bore and keyhole for patent keys.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 2 hinges: one hinge with self-closing spring, one ball-bearing hinge with screws for the vertical adjustment.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame.
- ❑ Identification plate on door edge.
- ❑ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaf (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). By request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaf is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaf by means of sprayed inks. The decoration is protected by transparent varnish. The finishing can be smooth or embossed in accordance with the decoration selected.
- ❑ Maximum dimensions: 1350 x 2150 mm.
- ❑ Weight approx. 43 kg/m² wall opening.

N.B.

- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- For door repainting follow instructions on page "surface treatment".
- FFL = Finished floor level.







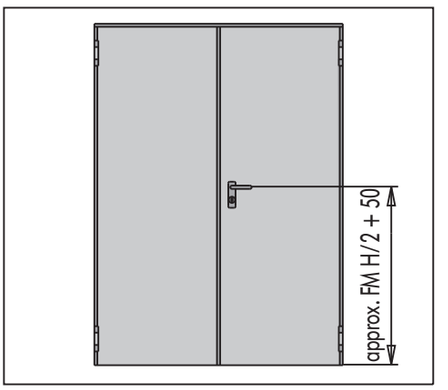
SPECIFICATIONS/SECTIONS

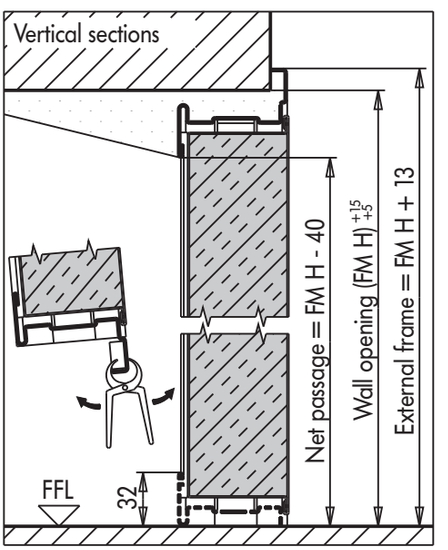
Univer REI 120 double-leaf doors

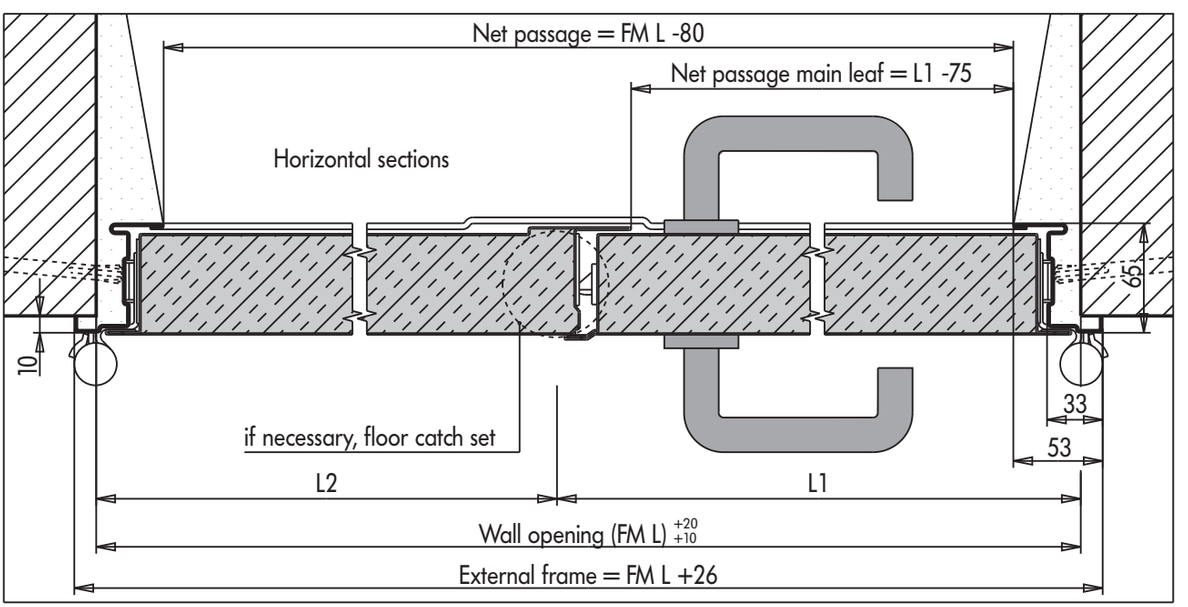
Univer REI 120 double-leaf doors:

- ❑ **Galvanized** steel-sheet reversible door leaf with insulating-material core, total thickness 60 mm.
- ❑ Corner reversible frame, with or without bottom frame, made of **galvanized** steel-sheet profile, including preparation for plugs. The frame is supplied non-assembled.
- ❑ Reversible opening pull right (DX), transformable in pull left (SX) for standard, semistandard and to order door version.
- ❑ Full lock in main leaf with cylinder bore and plastic keyhole for patent key, included.
- ❑ Self-locking mechanism with built-in release lever on secondary door leaf.
- ❑ Secondary leaf with internal upper and lower closing rod with central manual control and prepared to receive the anti-panic kit.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 4 hinges, one per leaf with spring for the self-closing and one per leaf ball-bearing with screws for the vertical adjustment.
- ❑ Closing regulator to guarantee the correct closing sequence.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Floor catch to be fitted by means of screws/plugs onto the finished floor.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame.
- ❑ Identification plate on door edge.
- ❑ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). By request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaves is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaves by means of sprayed inks. The decoration is protected by transparent varnish. The finishing can be smooth or embossed in accordance with the decoration selected.
- ❑ Maximum dimensions: 2000 x 2150 mm.
- ❑ Weight approx. 43 kg/m^2 wall opening.

N.B.
- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- For door repainting follow instructions on page "surface treatment".
- FFL = Finished floor level.







NINZ® FIREDOORS

DIMENSIONS

Univer single-leaf doors

Single-leaf STANDARD doors reversible					
WALL OPENING		NET PASSAGE		EXTERNAL FRAME	
width $^{+20}_{+10}$	height $^{+15}_{+5}$	width	height	width	height
800	2050	726	2010	832	2063
900	2050	826	2010	932	2063
1000	2050	926	2010	1032	2063
1200	2050	1126	2010	1232	2063
1350	2050	1276	2010	1382	2063
800	2150	726	2110	832	2163
900	2150	826	2110	932	2163
1000	2150	926	2110	1032	2163
1200	2150	1126	2110	1232	2163
1350	2150	1276	2110	1382	2163

Single-leaf SEMISTANDARD doors reversible								
WALL OPENING			NET PASSAGE			EXTERNAL FRAME		
width $^{+20}_{+10}$		height $^{+15}_{+5}$	width		height	width		height
min.	max.		min.	max.		min.	max.	
540	795	2050	466	721	2010	572	827	2063
805	895	2050	731	821	2010	837	927	2063
905	995	2050	831	921	2010	937	1027	2063
1005	1150	2050	931	1076	2010	1037	1182	2063
1005	1140	2050	931	1066	2010	1037	1172	2063
1145	1195	2050	1071	1121	2010	1177	1227	2063
1205	1340	2050	1131	1266	2010	1237	1372	2063
540	795	2150	466	721	2110	572	827	2163
805	895	2150	731	821	2110	837	927	2163
905	995	2150	831	921	2110	937	1027	2163
1005	1150	2150	931	1076	2010	1037	1182	2163
1005	1140	2150	931	1066	2110	1037	1182	2163
1145	1195	2150	1071	1121	2110	1177	1227	2163
1205	1340	2150	1131	1266	2110	1237	1372	2163

Dimensions for EI_2 30 and EI_2 60 doors only.

Dimensions for REI 60 and REI 120 doors only.

DIMENSIONS

Univer single-leaf doors

EI_2 30 and EI_2 60-single-leaf doors reversible TO ORDER											
WALL OPENING				NET PASSAGE				EXTERNAL FRAME			
width $^{+20}_{+10}$		height $^{+15}_{+5}$		width		height		width		height	
min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
540	1150	1780	2150	466	1076	1740	2110	572	1182	1793	2163

REI 60 and REI 120 - single-leaf doors reversible TO ORDER											
WALL OPENING				NET PASSAGE				EXTERNAL FRAME			
width $^{+20}_{+10}$		height $^{+15}_{+5}$		width		height		width		height	
min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
540	1350	1780	2150	466	1276	1740	2110	572	1382	1793	2163

Specify the opening direction of the following one leaf doors:
- all doors with window apertures
- all doors featuring electro handles ELM
- all doors featuring non-standard locks.

The customer must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (=wall opening 2040 mm).

The dimensions of doors are limited according to the specifications on the page “models/certificates”.

NINZ® FIREDOORS

DIMENSIONS

Univer double-leaf doors

Double-leaf STANDARD doors reversible								
WALL OPENING		LEAF DIVISION		NET PASSAGE			EXTERNAL FRAME	
width $^{+20}_{+10}$	height $^{+15}_{+5}$	main L1	second. L2	width		height	width	height
				total	main			
1150	2050	750	400	1070	675	2010	1176	2063
1200	2050	600	600	1120	525	2010	1226	2063
1200	2050	700	500	1120	625	2010	1226	2063
1200	2050	800	400	1120	725	2010	1226	2063
1250	2050	800	450	1170	725	2010	1276	2063
1300	2050	650	650	1220	575	2010	1326	2063
1300	2050	800	500	1220	725	2010	1326	2063
1300	2050	900	400	1220	825	2010	1326	2063
1350	2050	900	450	1270	825	2010	1376	2063
1400	2050	700	700	1320	625	2010	1426	2063
1400	2050	900	500	1320	825	2010	1426	2063
1400	2050	1000	400	1320	925	2010	1426	2063
1450	2050	1000	450	1370	925	2010	1476	2063
1500	2050	750	750	1420	675	2010	1526	2063
1600	2050	800	800	1520	725	2010	1626	2063
1700	2050	900	800	1620	825	2010	1726	2063
1800	2050	900	900	1720	825	2010	1826	2063
1900	2050	1000	900	1820	925	2010	1926	2063
2000	2050	1000	1000	1920	925	2010	2026	2063
1150	2150	750	400	1070	675	2110	1176	2163
1200	2150	600	600	1120	525	2110	1226	2163
1200	2150	700	500	1120	625	2110	1226	2163
1200	2150	800	400	1120	725	2110	1226	2163
1250	2150	800	450	1170	725	2110	1276	2163
1300	2150	650	650	1220	575	2110	1326	2163
1300	2150	800	500	1220	725	2110	1326	2163
1300	2150	900	400	1220	825	2110	1326	2163
1350	2150	900	450	1270	825	2110	1376	2163
1400	2150	700	700	1320	625	2110	1426	2163
1400	2150	900	500	1320	825	2110	1426	2163
1400	2150	1000	400	1320	925	2110	1426	2163
1450	2150	1000	450	1370	925	2110	1476	2163
1500	2150	750	750	1420	675	2110	1526	2163
1600	2150	800	800	1520	725	2110	1626	2163
1700	2150	900	800	1620	825	2110	1726	2163
1800	2150	900	900	1720	825	2110	1826	2163
1900	2150	1000	900	1820	925	2110	1926	2163
2000	2150	1000	1000	1920	925	2110	2026	2163

Dimensions for EI_2 60 doors only.

Dimensions for REI 60 and REI 120 doors only.

DIMENSIONS

Univer double-leaf doors

Double-leaf SEMISTANDARD doors reversible									
WALL OPENING			LEAF DIVISION				NET PASSAGE		
width $^{+20}_{+10}$		height $^{+15}_{+5}$	main L1		secondary L2		total width		height
min.	max.		min.	max.	min.	max.	min.	max.	
940	2000	2050	540	1000	400	1000	860	1920	2010
1000	2000	2050	500	1000	500	1000	920	1920	2010
940	2000	2150	540	1000	400	1000	860	1920	2110
1000	2000	2150	500	1000	500	1000	920	1920	2110

EI_2 60 - double - leaf doors reversible TO ORDER											
WALL OPENING				LEAF DIVISION				NET PASSAGE			
width $^{+20}_{+10}$		height $^{+15}_{+5}$		main L1		secondary L2		total width		height	
min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
1000	2000	1780	2150	500	1000	500	1000	920	1920	1740	2110

REI 60 and REI 120 - double - leaf doors reversible TO ORDER											
WALL OPENING				LEAF DIVISION				NET PASSAGE			
width $^{+20}_{+10}$		height $^{+15}_{+5}$		main L1		secondary L2		total width		height	
min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
940	2000	1780	2150	540	1000	400	1000	860	1920	1740	2110

Specify the opening direction of the following two leaf doors:
- all doors featuring anti panic bar on the secondary leaf
- all doors featuring window apertures
- all doors featuring the electro handle ELM
- all doors featuring non-standard locks.

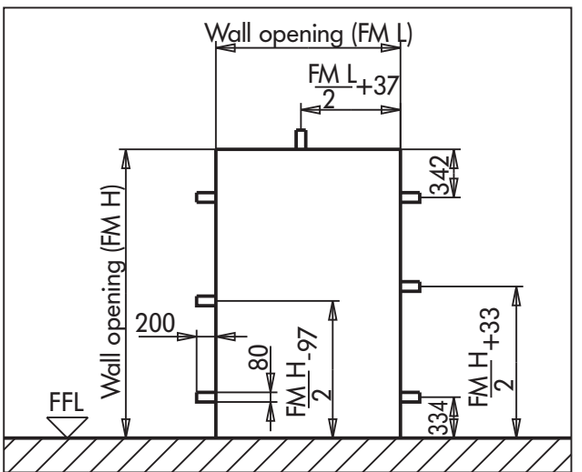
Standard, semistandard and to order two leaf doors not included in the above list, where not specifically requested by the customer, are supplied with pull opening direction right DX.

The customer must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (=wall opening 2040 mm).

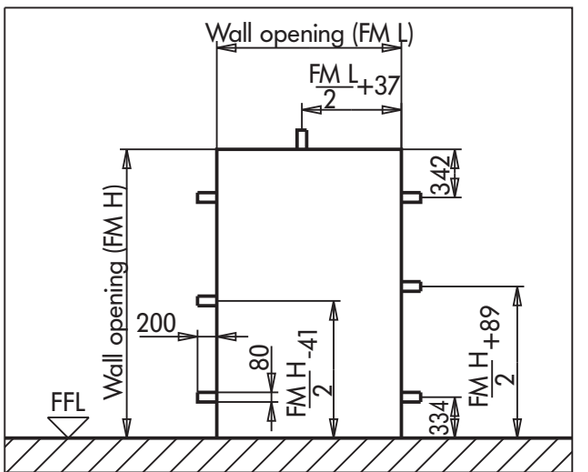
The dimensions of doors are limited according to the specifications on the page “models/certificates”.

POSITIONS OF BRACKETS/ENCUMBRANCES

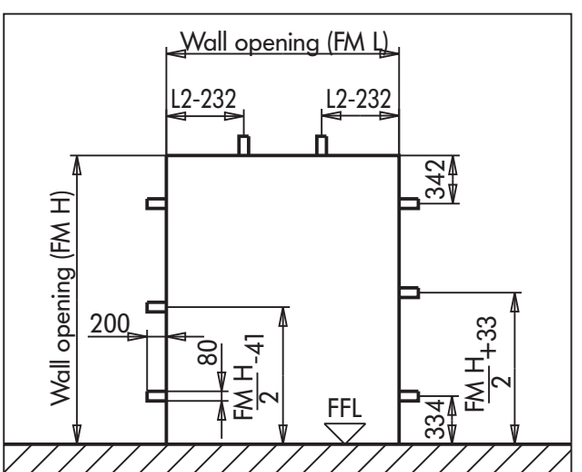
Univer doors



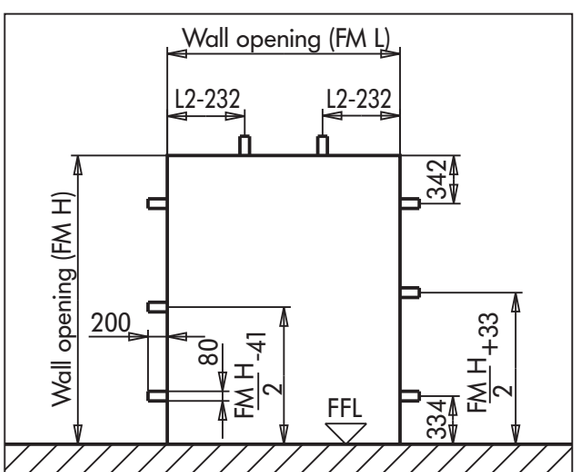
Single-leaf door opening right DX



Single-leaf door opening left SX

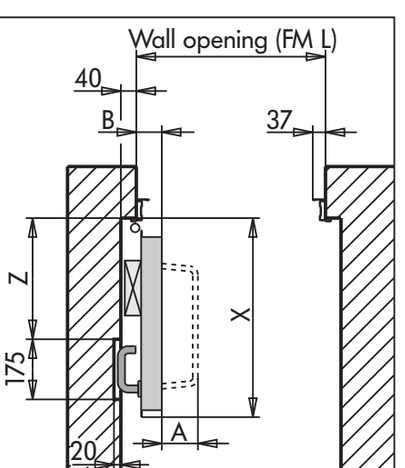


Double-leaf door opening right DX

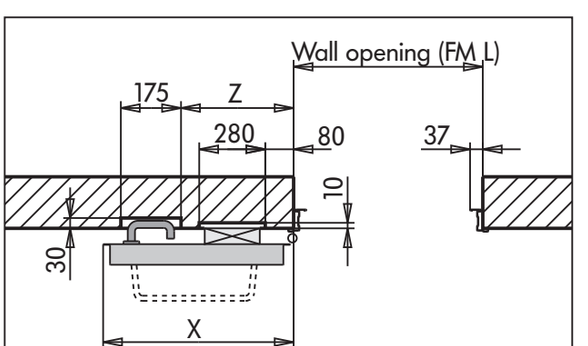


Double-leaf door opening left SX

X = FM L +29
Z = FM L -198
A TW = 110
A SL = 75
A TX = 130
A TB = 74
B REI120 = 74
B REI60 = 64
B EI_2 60 = 74
B EI_2 30 = 64
Height of handle see page "Specifications/ Sections"



Maximum dimensions for single-leaf doors opening 90°

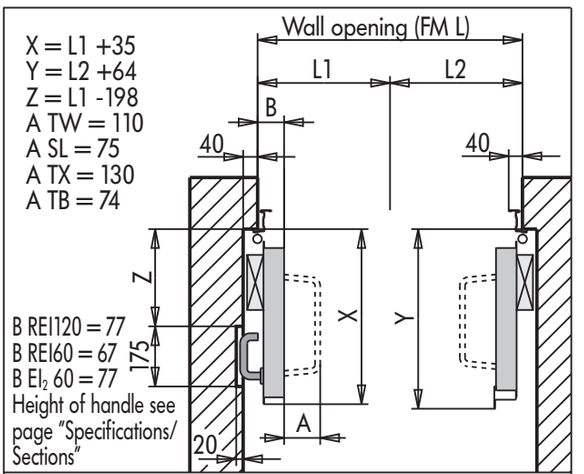


X = FM L +4
Z = FM L -223
Height of handle see page "Specifications/ Sections"
Door with CP2 not openable to 180°

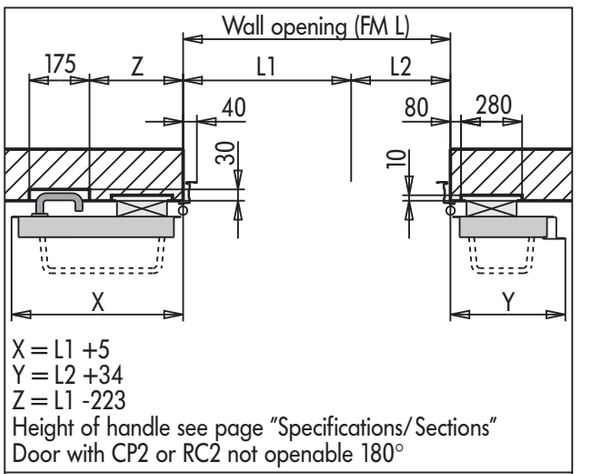
Maximum dimensions for single-leaf doors opening 180°

ENCUMBRANCES/GLASS PANELS

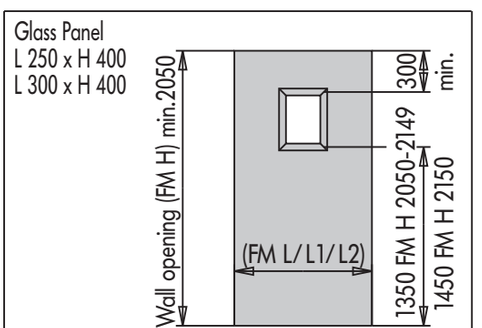
Univer doors



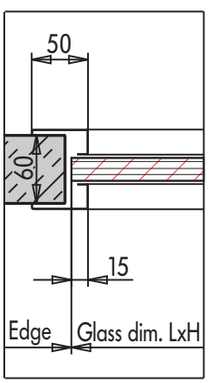
Maximum dimensions for double-leaf doors opening to 90°



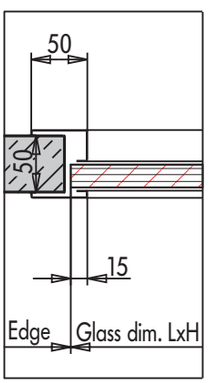
Maximum dimensions for double-leaf doors opening to 180°



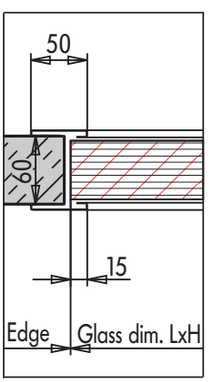
EI_2 60	L 250 x H 400	FM L min. 750	L1 / L2 min. 850
EI_2 60	L 300 x H 400	FM L min. 800	L1 / L2 min. 900
REI 60 / 120	L 250 x H 400	FM L / L1 / L2 min. 850	
REI 60 / 120	L 300 x H 400	FM L / L1 / L2 min. 900	



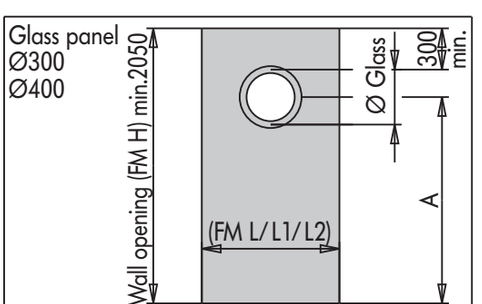
Horizontal section of **rectangular window** with EI_2 60 glass



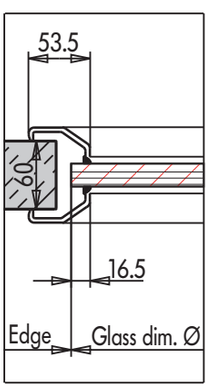
Horizontal section of **rectangular window** with REI 60 glass



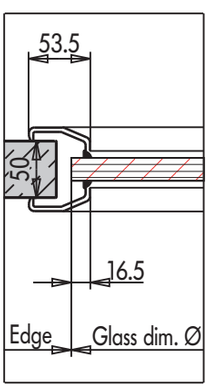
Horizontal section of **rectangular window** with REI 120 glass



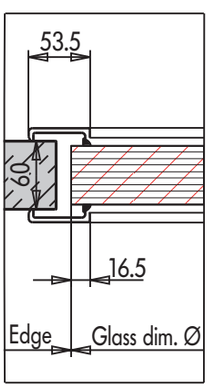
EI_2 60	Ø300	FM L / L1 / L2 min. 740	
EI_2 60	Ø400	FM L / L1 / L2 min. 840	
REI 60 / 120	Ø300	FM L / L1 / L2 min. 740	
FM H = 2050-2149	A = 1600 (Ø300)	A = 1550 (Ø400)	
FM H ≥ 2150	A = 1600 (Ø300)	A = 1600 (Ø400)	



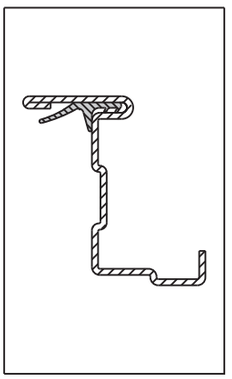
Horizontal section of **circular window** with EI_2 60 glass

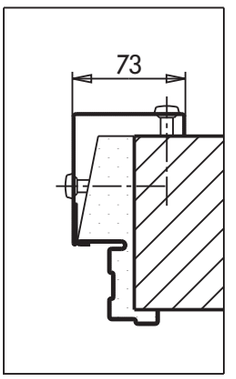


Horizontal section of **circular window** with REI 60 glass



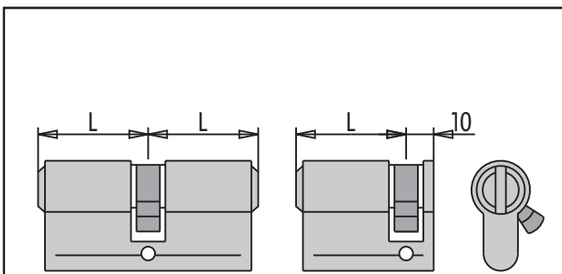
Horizontal section of **circular window** with REI 120 glass





FF black weather stripping to be inserted into the special channel provided on the frame. Supplied only on request and in loose rolls for cutting and fitting on site.

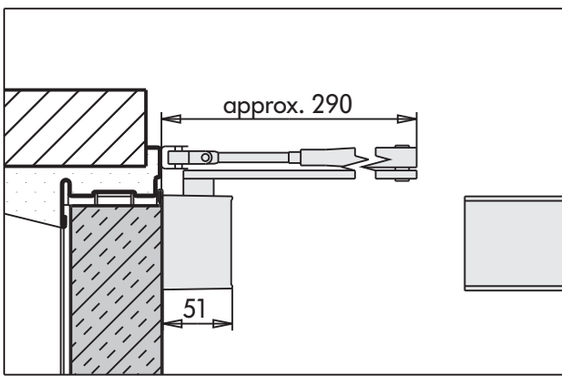
Glass holders **IM** in galvanized steel (thickness 1.5 mm). Thermally powder coated in pastel turquoise or RAL on request. To be fixed with screws and plugs. Delivery upon request and does not include screws/ expansion screws. Holes are not prepared.



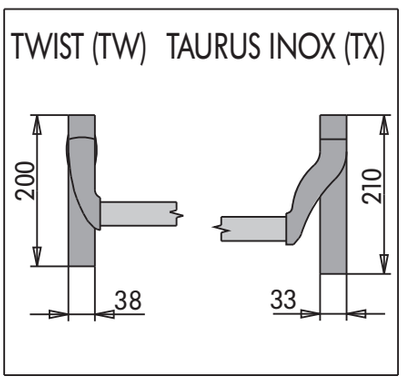
L= 35 mm for leaf with thickness 50 mm

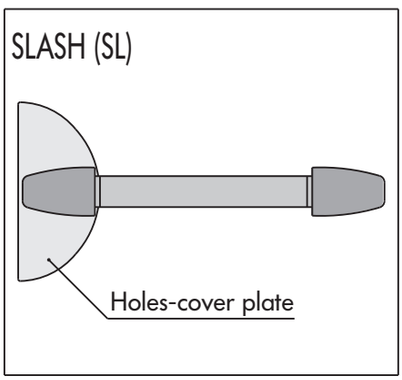
L= 40 mm for leaf with thickness 60 mm

All doors are supplied without **CIL** cylinders. These are supplied only on request or together with emergency handles. Each cylinder comes with 3 keys, either with its own individual number or as part of a system with master key.



Overhead door closer **CP1** with flat form arm, lateral regulation of closing speed and back check. Finish silver. Adjustable closing force 3 to 4.





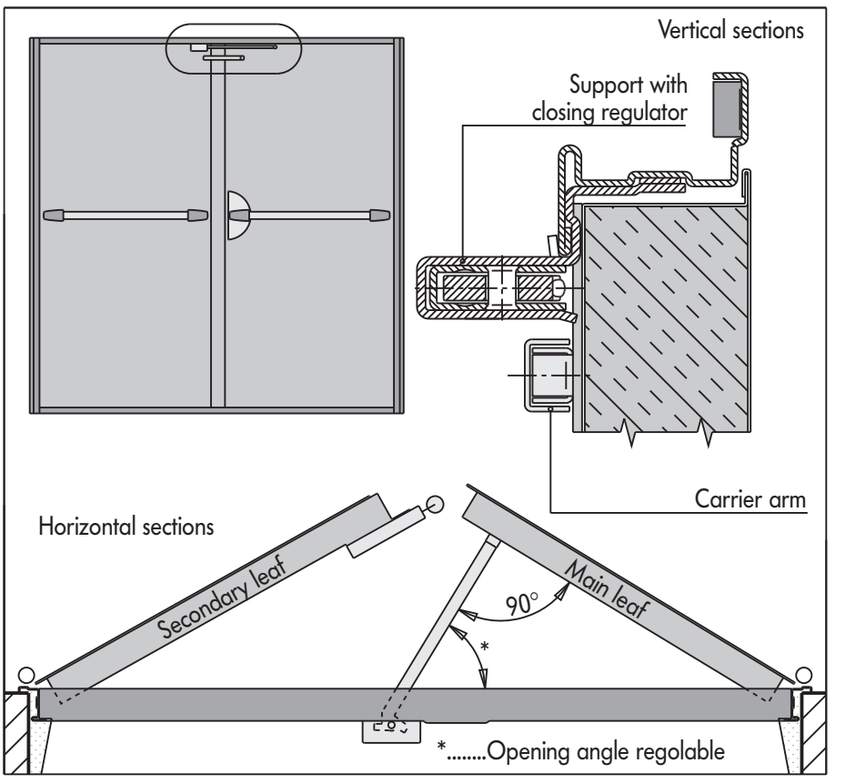
Panic hardware **Twist, Taurus-stainless steel** and **Slash** with internal locking, two control boxes and bar.
The panic hardware handles are supplied unassembled.
The external cover plate is supplied of series with the Slash-panic hardware for single-leaf doors and for main-leafs on double-leaf doors.
The various types are listed on the page for "accessories / antipanic handles" in the chapter on PROGET.

ACCESSORIES

Univer doors

Fire resistant doors prepared for the application of handle M14 or for bar Twist and Slash type A are supplied with a **carrier arm** (not fitted) to permit application of the door closer regulator by pushing only the secondary door leaf.

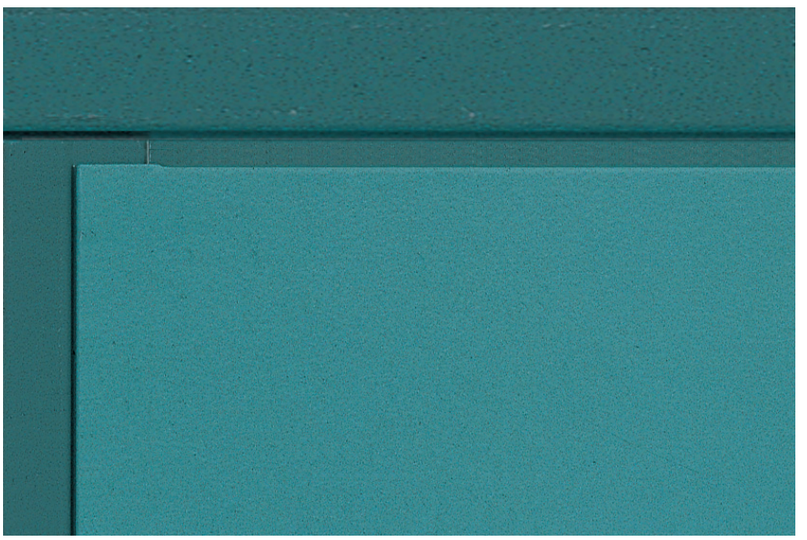
Door closer regulator **RC/STD** for two leaf doors Univer in its component parts not fitted, to be fitted on the bracket included in delivery.



NINZ® FIREDOORS

SURFACE FINISHING

Univer doors

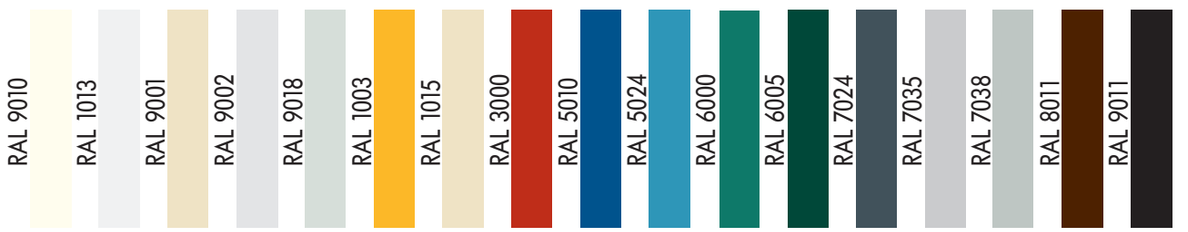


Doors are supplied with paint finish for indoor use. For repainting proceed as follows:

- sand and dust off the surfaces thoroughly
- apply a base coat of opaque beige 0059(made by ALCEA of Milan) 2-component epoxy paint EPOX 5203
- repaint the surfaces with the enamel or paint desired.

The door must not be exposed to atmospheric agents and direct sunlight.

List of RAL tones at stock



Other RAL tones upon request: RAL1001-RAL1007-RAL1014-RAL1021-RAL1023-RAL1033-RAL2010-RAL3003-RAL3004-RAL3009-RAL3011-RAL3020-RAL5000-RAL5002-RAL5003-RAL5005-RAL5007-RAL5008-RAL5009-RAL5011-RAL5012-RAL5013-RAL5014-RAL5015-RAL5017-RAL6011-RAL6012-RAL6016-RAL6018-RAL6019-RAL6028-RAL6029-RAL7001-RAL7004-RAL7011-RAL7016-RAL7022-RAL7030-RAL7032-RAL7036-RAL7037-RAL7040-RAL7042-RAL7046-RAL7047-RAL8014-RAL8017-RAL8019-RAL8023-RAL9005

RAL tones for outside use: RAL1001-RAL1003-RAL1013-RAL1021-RAL1023-RAL3000-RAL3012-RAL3013-RAL5010-RAL5011-RAL5014-RAL6000-RAL6005-RAL6018-RAL6028-RAL7001-RAL7012-RAL7022-RAL7024-RAL7032-RAL7035-RAL7036-RAL7037-RAL8017-RAL9001-RAL9002-RAL9010-NCS4020-NCS5020

For the cleaning of our products we recommend the use of water and neutral soap. Do not use cleaning fluids or other solvents. We do not accept responsibility for future complaints should these recommendations not be adhered to.

(For printing reasons the colours might not be like the original ones)

PROGET DOORS

MULTIPURPOSE

REI 60 - REI 120

PROGET DOORS INDEX

NINZ® FIREDOORS

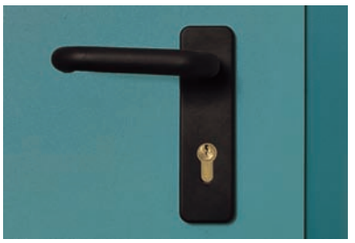
Ninz company maintains the right to introduce technical modifications at any time without notice. All dimensions are expressed in mm.

Fire break doors are normally installed to compartmentalize the inside of buildings and for that purpose they are built.

NINZ® FIREDOORS

ILLUSTRATIONS
Proget doors

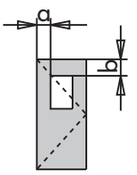
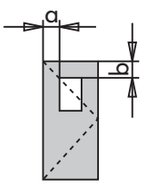
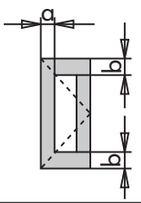
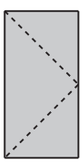
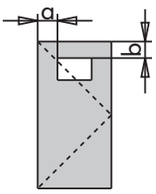
All NINZ series products are constructed using technologies completely new to the firedoor sector. To guarantee maximum rigidity, the metal sheets of the door leaves are glued to the insulating-material core. The frame comes unassembled so as to facilitate transportation from the factory to the installation site. All door components are **fully galvanized,** and a perfect, aesthetic finish results from the use of thermo-hardened powder coating.
All accessories and their functions are specially selected and studied so that all relevant norms, in particular those regarding the self-locking mechanism of the secondary door leaves, are adhered to.
Many years of concentrated research and constant testing in the company's own laboratories have led to the creation of a mechanically dependable and fire-proof product.



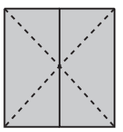
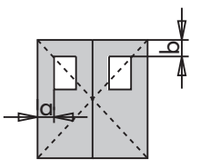
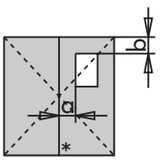
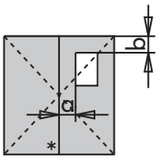
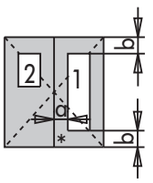
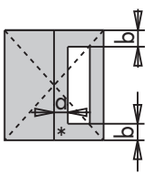
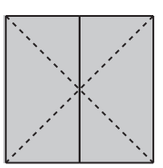
ILLUSTRATIONS

Proget doors

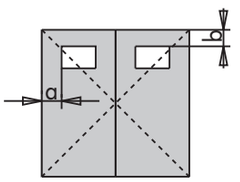
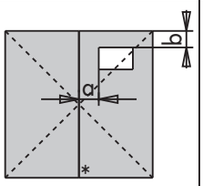
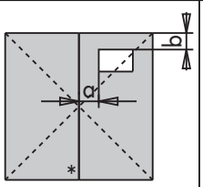
Proget REI 60 single-leaf doors

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 546 - 900 H= 1775 - 2000		REI 60 CSI0420RF BZ050REI060P005F1
	L = 546 - 1000 H= 1775 - 2150		REI 60 CSI0613RF BZ050REI060P012F2
	L = 750 - 900 H= 1775 - 2000	L = 250 - 400 H= 250 - 600 a minimum 250 b minimum 300	REI 60 CSI0420RF BZ050REI060P005F1
	L = 850 - 1000 H= 1775 - 2150	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 60 CSI0613RF BZ050REI060P012F2
	L = 750 - 900 H= 1775 - 2000 L = 779 - 1037 H= 1803 - 2197	L = 250 - 400 H= 630 - 1400 min. area 0,25m² a minimum 250 b minimum 300	REI 60 CSI0447RF BZ050REI060P004F1
	L = 546 - 1340 H= 1775 - 2670		REI 60 CSI0615RF BZ050REI060P014F2
	L = 970 - 1340 H= 1775 - 2670	L = 250 - 620 H= 250 - 400 a minimum 360 b minimum 300	REI 60 CSI0615RF BZ050REI060P014F2

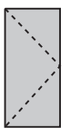
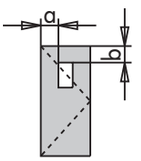
Proget REI 60 double-leaf doors

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 890(L1 540+L2 350)- 2000(L1 1000+L2 1000) H= 1775 - 2150		REI 60 CSI0614RF BZ050REI060P013F2
	L = 1700(L1 850+L2 850)- 2000(L1 1000+L2 1000) H= 1775 - 2150	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 60 CSI0614RF BZ050REI060P013F2
* = main leaf 	L =1200(L1 850+L2 350)- 2000(L1 1000+L2 1000) H= 1775 - 2150	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 60 CSI0614RF BZ050REI060P013F2
* = main leaf 	L =1390(L1 540+L2 850)- 2000(L1 1000+L2 1000) H= 1775 - 2150	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 60 CSI0614RF BZ050REI060P013F2
* = main leaf 	L = 1500(L1 750+L2 750)- 1800(L1 900+L2 900) H= 1775- 2000 L = 1538(L1 771,5+L2 766,5)- 2062(L1 1028,5+L2 1033,5) H= 1803 - 2197	1:L= 250- 400 H= 630-1400 min. area 0,25m² 2:L= 250- 400 H= 250- 600 a minimum 250 b minimum 300	REI 60 CSI0447RF BZ050REI060P004F1
* = main leaf 	L = 1100(L1 750+L2 350)- 1800(L1 900+L2 900) H= 1775 - 2000 L =1538(L1 771,5+L2 766,5)- 2062(L1 1028,5+L2 1033,5) H=1803 - 2197	L = 250 - 400 H= 630 - 1400 min. area 0,25 m² a minimum 250 b minimum 300	REI 60 CSI0447RF BZ050REI060P004F1
	L = 890(L1 540+L2 350)- 2540(L1 1270+L2 1270) H= 1775-2670		REI 60 CSI0621RF BZ050REI060P016F2

Proget REI 60 double-leaf doors

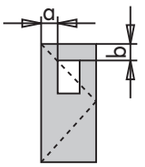
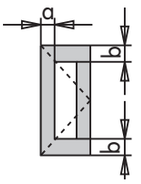
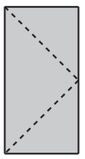
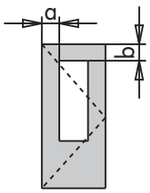
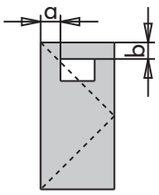
Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 1800 (L1 900+L2 900)- 2540 (L1 1270+L2 1270) H= 1775 - 2670	L = 250 - 620 H= 250 - 400 a minimum 325 b minimum 300	REI 60 CSI0621RF BZ050REI060P016F2
* = main leaf 	L = 1250 (L1 900+L2 350)- 2540 (L1 1270+L2 1270) H= 1775 - 2670	L = 250 - 620 H= 250 - 400 a minimum 325 b minimum 300	REI 60 CSI0621RF BZ050REI060P016F2
* = main leaf 	L = 1440 (L1 540+L2 900)- 2540 (L1 1270+L2 1270) H= 1775 - 2670	L = 250 - 620 H= 250 - 400 a minimum 325 b minimum 300	REI 60 CSI0621RF BZ050REI060P016F2

Proget REI 120 single-leaf doors

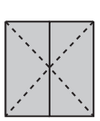
Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 546 - 900 H= 1775 - 2000		REI 120 CSI0452RF BZ050REI120P002F1
	L = 546 - 1000 H= 1775 - 2150		REI 120 CSI0611RF BZ050REI120P010F2
	L = 890 - 900 H= 1775 - 2000	L = 250 - 260 H= 250 - 455 a minimum 320 b minimum 300	REI 120 CSI0452RF BZ050REI120P002F1

MODELS/CERTIFICATES

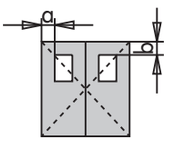
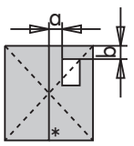
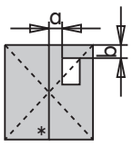
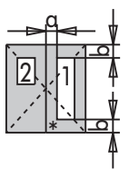
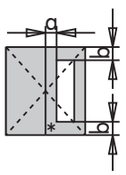
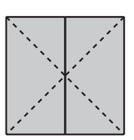
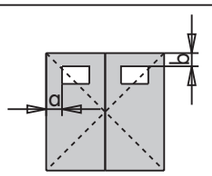
Proget REI 120 single-leaf doors

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 850 - 1000 H= 1775 - 2150	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 120 CSI0611RF BZ050REI120P010F2
	L = 750 - 900 H= 1775 - 2000 L = 779 - 1037 H= 1803 - 2197	L = 250 - 400 H= 630 - 1400 min.area 0,25 m² a minimum 250 b minimum 300	REI 120 CSI0454RF BZ050REI120P006F1
	L = 546 - 1340 H= 1775 - 2670		REI 120 CSI0610RF BZ050REI120P011F2
	L = 890 - 1162 H= 1775 - 2620 L = 997 - 1332 H= 2361 - 2670	L = 250 - 522 H= 500 - 1460 min.area 0,25 m² a minimum 320 b minimum 300	REI 120 CSI0460RF BZ050REI120P007F1
	L = 970 - 1340 H= 1775 - 2670	L = 250 - 620 H= 250 - 400 a minimum 360 b minimum 300	REI 120 CSI0610RF BZ050REI120P011F2

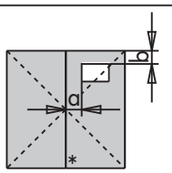
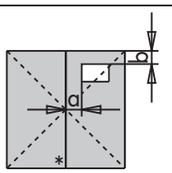
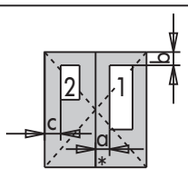
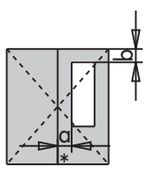
Proget REI 120 double-leaf doors

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 890(L1 540+L2 350)- 2000(L1 1000+L2 1000) H= 1775 - 2150		REI 120 CSI0602RF BZ050REI120P008F2

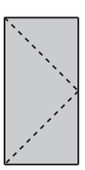
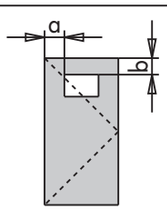
Proget REI 120 double-leaf doors

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 1700 (L1 850+L2 850)- 2000 (L1 1000+L2 1000) H= 1775 - 2150	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 120 CSI0602RF BZ050REI120P008F2
* = main leaf 	L = 1200(L1 850+L2 350)- 2000(L1 1000+L2 1000) H= 1775 - 2150	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 120 CSI0602RF BZ050REI120P008F2
* = main leaf 	L = 1390(L1 540+L2 850)- 2000(L1 1000+L2 1000) H= 1775 - 2150	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 120 CSI0602RF BZ050REI120P008F2
* = main leaf 	L = 1500(L1 750+L2 750)- 1800(L1 900+L2 900) H= 1775 - 2000 L = 1538(L1 771,5+L2 766,5)- 2062(L1 1028,5+L2 1033,5) H= 1803 - 2197	1: L= 250- 400 H= 630-1400 min. area 0,25 m² 2: L= 250- 400 H= 250- 600 a minimum 250 b minimum 300	REI 120 CSI0454RF BZ050REI120P006F1
* = main leaf 	L = 1100(L1 750+L2 350)- 1800(L1 900+L2 900) H= 1775 - 2000 L = 1538(L1 771,5+L2 766,5)- 2062(L1 1028,5+L2 1033,5) H= 1803 - 2197	L = 250 - 400 H= 630 - 1400 min. area 0,25 m² a minimum 250 b minimum 300	REI 120 CSI0454RF BZ050REI120P006F1
	L = 890(L1 540+L2 350)- 2540(L1 1270+L2 1270) H= 1775 - 2670		REI 120 CSI0619RF BZ050REI120P015F2
	L = 1800(L1 900+L2 900)- 2540(L1 1270+L2 1270) H= 1775 - 2670	L = 250 - 620 H= 250 - 400 a minimum 325 b minimum 300	REI 120 CSI0619RF BZ050REI120P015F2

Proget REI 120 double-leaf doors

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
* = main leaf 	L = 1250(L1 900+L2 350)- 2540(L1 1270+L2 1270) H= 1775 - 2670	L = 250 - 620 H= 250 - 400 a minimum 325 b minimum 300	REI 120 CSI0619RF BZ050REI120P015F2
* = main leaf 	L = 1440(L1 540+L2 900)- 2540(L1 1270+L2 1270) H= 1775 - 2670	L = 250 - 620 H= 250 - 400 a minimum 325 b minimum 300	REI 120 CSI0619RF BZ050REI120P015F2
* = main leaf 	L = 1900(L1 890+L2 1010)- 2315(L1 1155+L2 1160) H= 1775 - 2620 L = 1975(L1 989+L2 986)- 2540(L1 1268+L2 1272) H= 2361 - 2670	2: L= 250- 400 H= 250- 600 1: L= 250- 515 H= 500-1460 min. area 0,25 m² a minimum 320 b minimum 300 c minimum 380	REI 120 CSI0460RF BZ050REI120P007F1
* = main leaf 	L = 1240(L1 890+L2 350)- 2315(L1 1155+L2 1160) H= 1775 - 2620 L = 1975(L1 989+L2 986)- 2540(L1 1268+L2 1272) H= 2361 - 2670	L = 250 - 515 H= 500 - 1460 min. area 0,25 m² a minimum 320 b minimum 300	REI 120 CSI0460RF BZ050REI120P007F1

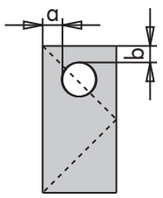
Proget REI 60 single-leaf doors on sub-frame or expansion screw fixing

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 600 - 1170 H= 1775 - 2275 L = 1004 - 1340 H= 2050 - 2500		REI 60 CSI1174FR BZ050REI060P027F1 CSI1254FR BZ050REI060P031
	L = 850 - 1170 H= 1775 - 2275 L = 1004 - 1340 H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 60 CSI1174FR BZ050REI060P027F1 CSI1254FR BZ050REI060P031

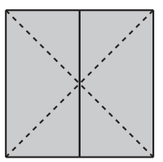
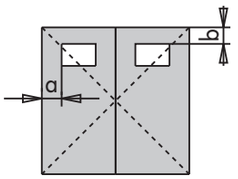
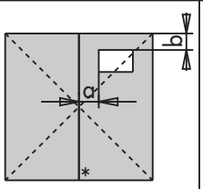
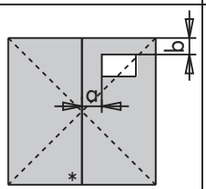
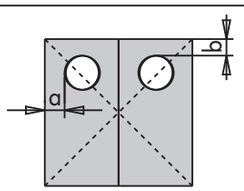
NINZ® FIREDOORS

MODELS/CERTIFICATES

Proget REI 60 single-leaf doors on sub-frame or expansion screw fixing

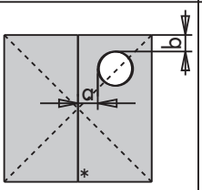
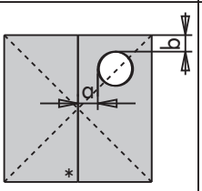
Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 900 - 1170 H= 1775 - 2275 L = 1004 - 1340 H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 60 CSI1174FR BZ050REI060P027F1 CSI1254FR BZ050REI060P031

Proget REI 60 double-leaf doors on sub-frame or expansion screw fixing

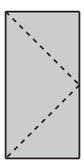
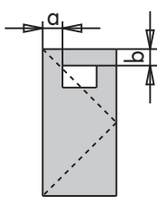
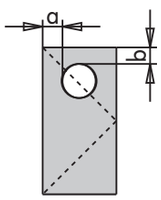
Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 890(L1 540+L2 350)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500		REI 60 CSI1174FR BZ050REI060P027F1 CSI1254FR BZ050REI060P031
	L = 1700(L1 850+L2 850)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 60 CSI1174FR BZ050REI060P027F1 CSI1254FR BZ050REI060P031
* = main leaf 	L= 1200(L1 850+L2 350)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L= 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 60 CSI1174FR BZ050REI060P027F1 CSI1254FR BZ050REI060P031
* = main leaf 	L = 1390(L1 540+L2 850)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 60 CSI1174FR BZ050REI060P027F1 CSI1254FR BZ050REI060P031
	L = 1800(L1 900+L2 900)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 60 CSI1174FR BZ050REI060P027F1 CSI1254FR BZ050REI060P031

MODELS/CERTIFICATES

Proget REI 60 double-leaf doors on sub-frame or expansion screw fixing

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
* = main leaf 	L = 1250(L1 900+L2 350)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 60 CSI1174FR BZ050REI060P027F1 CSI1254FR BZ050REI060P031
* = main leaf 	L = 1440(L1 540+L2 900)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 60 CSI1174FR BZ050REI060P027F1 CSI1254FR BZ050REI060P031

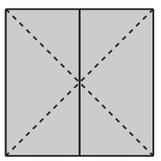
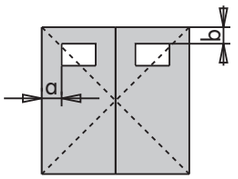
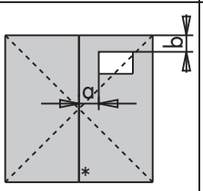
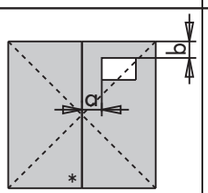
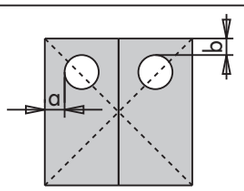
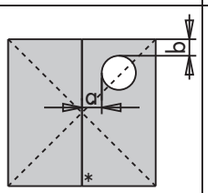
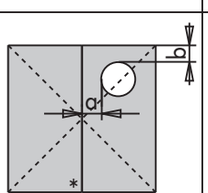
Proget REI 120 single-leaf doors on sub-frame or expansion screw fixing

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 600 - 1170 H= 1775 - 2275 L = 1004 - 1340 H= 2050 - 2500		REI 120 CSI1114RF BZ050REI120P025F1 CSI1248RF BZ050REI120P032F1
	L = 850 - 1170 H= 1775 - 2275 L = 1004 - 1340 H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 120 CSI1114RF BZ050REI120P025F1 CSI1248RF BZ050REI120P032F1
	L = 900 - 1170 H= 1775 - 2275 L = 1004 - 1340 H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 120 CSI1114RF BZ050REI120P025F1 CSI1248RF BZ050REI120P032F1

NINZ® FIREDOORS

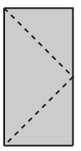
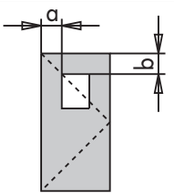
MODELS/CERTIFICATES

Proget REI 120 double-leaf doors on sub-frame or expansion screw fixing

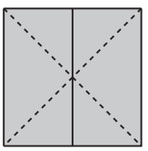
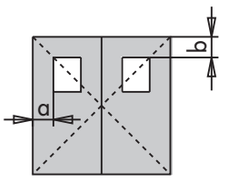
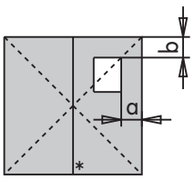
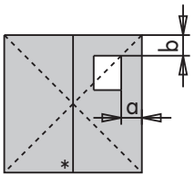
Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 890(L1 540+L2 350)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500		REI 120 CSI1114RF BZ050REI120P025F1 CSI1248RF BZ050REI120P032F1
	L =1700(L1 850+L2 850)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 120 CSI1114RF BZ050REI120P025F1 CSI1248RF BZ050REI120P032F1
* = main leaf 	L = 1200(L1 850+L2 350)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 120 CSI1114RF BZ050REI120P025F1 CSI1248RF BZ050REI120P032F1
* = main leaf 	L = 1390(L1 540+L2 850)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 120 CSI1114RF BZ050REI120P025F1 CSI1248RF BZ050REI120P032F1
	L = 1800(L1 900+L2 900)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 120 CSI1114RF BZ050REI120P025F1 CSI1248RF BZ050REI120P032F1
* = main leaf 	L = 1250(L1 900+L2 350)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 120 CSI1114RF BZ050REI120P025F1 CSI1248RF BZ050REI120P032F1
* = main leaf 	L = 1440(L1 540+L2 900)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 120 CSI1114RF BZ050REI120P025F1 CSI1248RF BZ050REI120P032F1

MODELS/CERTIFICATES

Proget REI 60 single-leaf doors
Plasterboard partition

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 546 - 1007 H= 1775 - 2150 L = 864 - 1153 H= 1938 - 2363		REI 60 CSI0660RF BZ050REI060P019F2
	L = 850 - 1007 H= 1775 - 2150 L = 864 - 1153 H= 1938 - 2363	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 60 CSI0660RF BZ050REI060P019F2

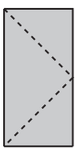
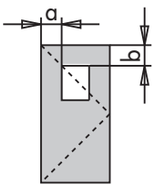
Proget REI 60 double-leaf doors
Plasterboard partition

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L= 890(L1 540+L2 350)- 2000(L1 1000+L2 1000) H= 1775 - 2150 L= 1707(L1 855,5+L2 851,5)- 2293(L1 1144,5+L2 1148,5) H= 1938 - 2363		REI 60 CSI0660RF BZ050REI060P019F2
	L = 1700(L1 850+L2 850)- 2000(L1 1000+L2 1000) H= 1775 - 2150 L = 1707(L1 855,5+L2 851,5)- 2293(L1 1144,5+L2 1148,5) H= 1938 - 2363	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 60 CSI0660RF BZ050REI060P019F2
* = main leaf 	L = 1200(L1 850+L2 350)- 2000(L1 1000+L2 1000) H= 1775 - 2150 L = 1707(L1 855,5+L2 851,5)- 2293(L1 1144,5+L2 1148,5) H= 1938 - 2363	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 60 CSI0660RF BZ050REI060P019F2
* = main leaf 	L = 1390(L1 540+L2 850)- 2000(L1 1000+L2 1000) H= 1775 - 2150 L = 1707(L1 855,5+L2 851,5)- 2293(L1 1144,5+L2 1148,5) H= 1938 - 2363	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 60 CSI0660RF BZ050REI060P019F2

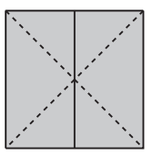
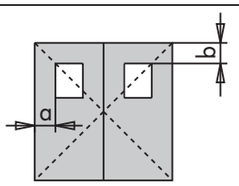
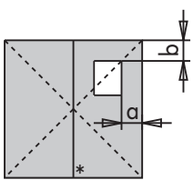
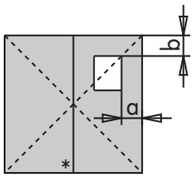
NINZ® FIREDOORS

MODELS/CERTIFICATES

Proget REI 120 single-leaf doors Plasterboard partition

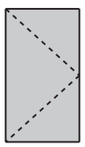
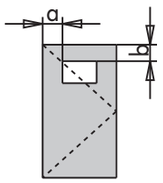
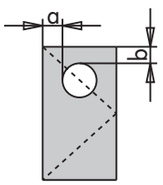
Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 546 - 1007 H= 1775 - 2150 L = 864 - 1153 H= 1938 - 2363		REI 120 CSI0636RF BZ050REI120P017F2
	L = 850 - 1007 H= 1775 - 2150 L = 864 - 1153 H= 1938 - 2363	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 120 CSI0636RF BZ050REI120P017F2

Proget REI 120 double-leaf doors Plasterboard partition

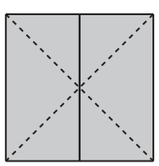
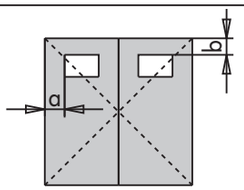
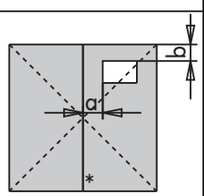
Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L= 890(L1 540+L2 350)- 2000(L1 1000+L2 1000) H= 1775 - 2150 L= 1707(L1 855,5+L2 851,5)- 2293(L1 1144,5+L2 1148,5) H= 1938 - 2363		REI 120 CSI0636RF BZ050REI120P017F2
	L= 1700(L1 850+L2 850)- 2000(L1 1000+L2 1000) H= 1775 - 2150 L= 1707(L1 855,5+L2 851,5)- 2293(L1 1144,5+L2 1148,5) H= 1938 - 2363	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 120 CSI0636RF BZ050REI120P017F2
* = main leaf 	L= 1200(L1 850+L2 350)- 2000(L1 1000+L2 1000) H= 1775 - 2150 L= 1707(L1 855,5+L2 851,5)- 2293(L1 1144,5+L2 1148,5) H= 1938 - 2363	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 120 CSI0636RF BZ050REI120P017F2
* = main leaf 	L= 1390(L1 540+L2 850)- 2000(L1 1000+L2 1000) H= 1775 - 2150 L= 1707(L1 855,5+L2 851,5)- 2293(L1 1144,5+L2 1148,5) H= 1938 - 2363	L = 250 - 400 H= 250 - 600 a minimum 300 b minimum 300	REI 120 CSI0636RF BZ050REI120P017F2

MODELS/CERTIFICATES

Proget REI 60 single-leaf doors
Application in plasterboard walls by means of clamp frame

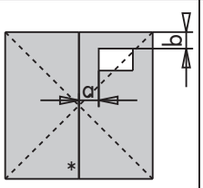
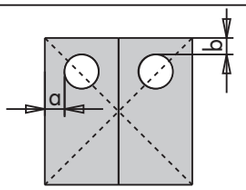
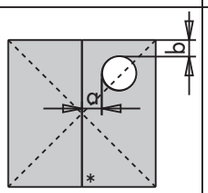
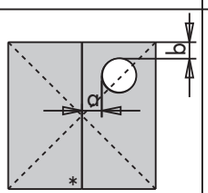
Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 600 - 1170 H= 1775 - 2275 L = 1004 - 1340 H= 2050 - 2500		REI 60 CSI1218FR BZ050REI060P029F1
	L = 850 - 1170 H= 1775 - 2275 L = 1004 - 1340 H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 60 CSI1218FR BZ050REI060P029F1
	L = 900 - 1170 H= 1775 - 2275 L = 1004 - 1340 H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 60 CSI1218FR BZ050REI060P029F1

Proget REI 60 double-leaf doors
Application in plasterboard walls by means of clamp frame

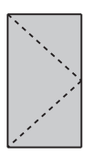
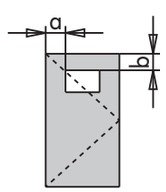
Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 890(L1 540+L2 350)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500		REI 60 CSI1218FR BZ050REI060P029F1
	L = 1700(L1 850+L2 850)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 60 CSI1218FR BZ050REI060P029F1
* = main leaf 	L = 1200(L1 850+L2 350)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 60 CSI1218FR BZ050REI060P029F1

MODELS/CERTIFICATES

Proget REI 60 double-leaf doors
Application in plasterboard walls by means of clamp frame

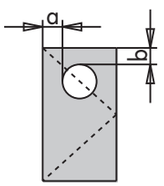
Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
 * = main leaf	L = 1390(L1 540+L2 850)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 60 CSI1218FR BZ050REI060P029F1
	L = 1800(L1 900+L2 900)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 60 CSI1218FR BZ050REI060P029F1
 * = main leaf	L = 1250(L1 900+L2 350)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 60 CSI1218FR BZ050REI060P029F1
 * = main leaf	L = 1440(L1 540+L2 900)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 60 CSI1218FR BZ050REI060P029F1

Proget REI 120 single-leaf doors
Application in plasterboard walls by means of clamp frame

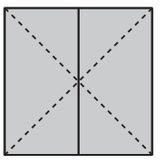
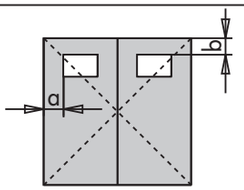
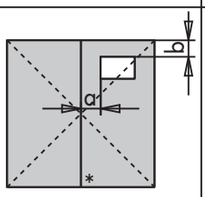
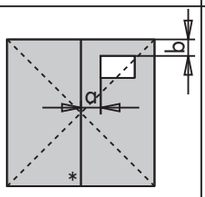
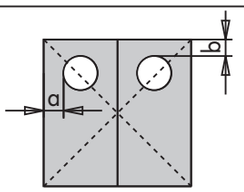
Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 600 - 1170 H= 1775 - 2275 L = 1004 - 1340 H= 2050 - 2500		REI 120 CSI1137RF BZ050REI120P026F1
	L = 850 - 1170 H= 1775 - 2275 L = 1004 - 1340 H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 120 CSI1137RF BZ050REI120P026F1

MODELS/CERTIFICATES

Proget REI 120 single-leaf doors
Application in plasterboard walls by means of clamp frame

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 900 - 1170 H= 1775 - 2275 L = 1004 - 1340 H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 120 CSI1137RF BZ050REI120P026F1

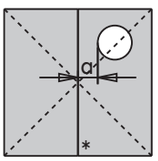
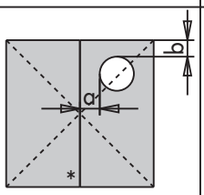
Proget REI 120 double-leaf doors
Application in plasterboard walls by means of clamp frame

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
	L = 890(L1 540+L2 350)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500		REI 120 CSI1137RF BZ050REI120P026F1
	L = 1700(L1 850+L2 850)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 120 CSI1137RF BZ050REI120P026F1
* = main leaf 	L = 1200(L1 850+L2 350)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 120 CSI1137RF BZ050REI120P026F1
* = main leaf 	L = 1390(L1 540+L2 850)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500	L = 250 - 564 H= 250 - 443 a minimum 300 b minimum 300	REI 120 CSI1137RF BZ050REI120P026F1
	L = 1800(L1 900+L2 900)- 2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)- 2540(L1 1270+L2 1270) H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 120 CSI1137RF BZ050REI120P026F1

MODELS/CERTIFICATES

Proget REI 120 double-leaf doors

Application in plasterboard walls by means of clamp frame

Versions	Wall opening dimensions	Glass panel dimensions	Certificates / Government approval
* = main leaf 	L = 1250(L1 900+L2 350)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 120 CSI1137RF BZ050REI120P026F1
* = main leaf 	L = 1440(L1 540+L2 900)-2252(L1 1126+L2 1126) H= 1775 - 2275 L = 1962(L1 996+L2 966)-2540(L1 1270+L2 1270) H= 2050 - 2500	diam. max.= 400 a minimum 300 b minimum 300	REI 120 CSI1137RF BZ050REI120P026F1

SPECIFICATIONS/SECTIONS

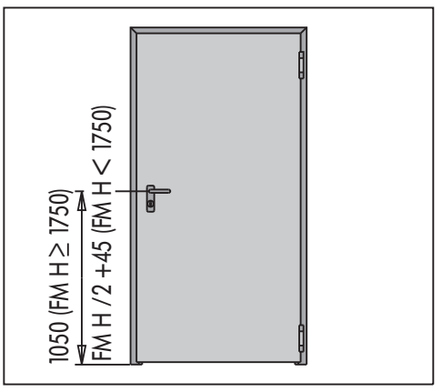
Proget MULTIPURPOSE single-leaf doors

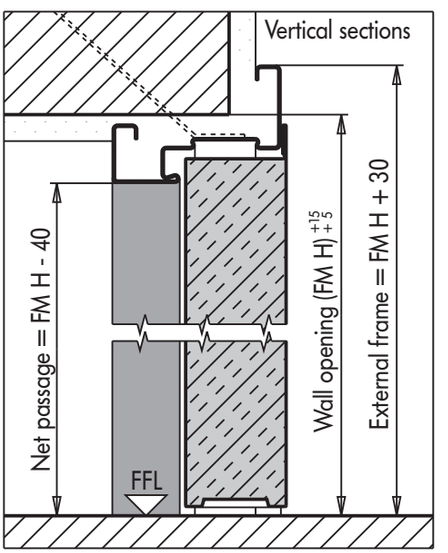
Proget MULTIPURPOSE single-leaf doors:

- ❏ **Galvanized** steel-sheet door leaf with insulating-material core, without bottom frame, total thickness 60 mm.
- ❏ Corner frame made of **galvanized** steel-sheet profile, with brackets to be set into wall, joints for on-site assembly, and screw-on bottom spacer.
- ❏ Lock complete with cylinder bore and keyhole for patent keys.
- ❏ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❏ 2 hinges: one hinge with self-closing spring, one ball-bearing hinge with screws for the vertical adjustment.
- ❏ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❏ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaf (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaf is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaf by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❏ Maximum dimensions 1340 x 2670 mm.
- ❏ Weight approx. 26 kg/m² wall opening.

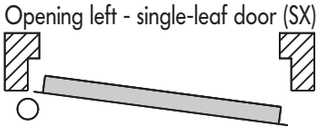
N.B.

- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- Should the door be repainted the instructions outlined on the "surface treatment" page must be followed.
- FFL = Finished floor level.

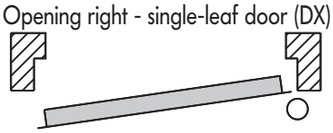


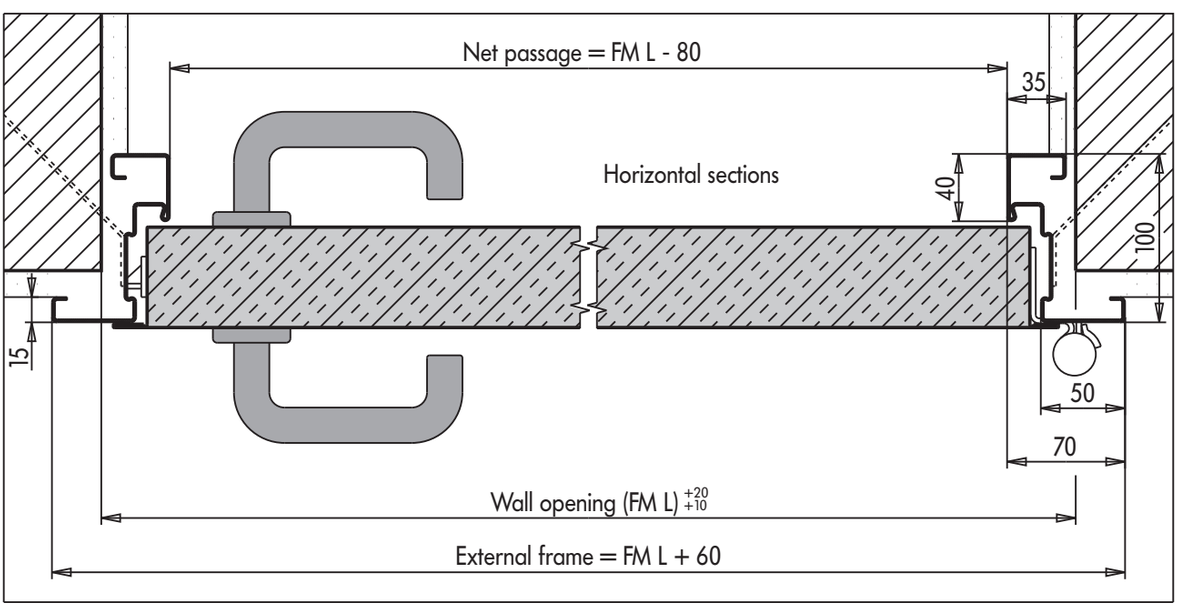


Opening left - single-leaf door (SX)



Opening right - single-leaf door (DX)





SPECIFICATIONS/SECTIONS

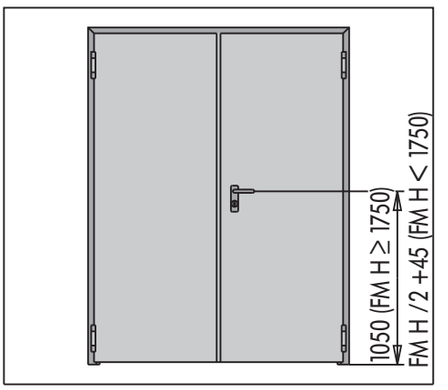
Proget MULTIPURPOSE double-leaf doors

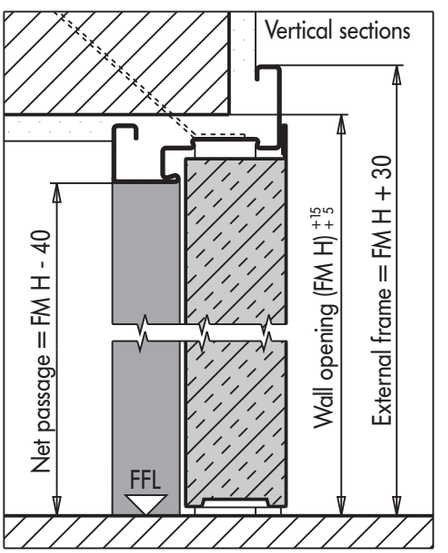
Proget MULTIPURPOSE double-leaf doors:

- ❏ **Galvanized** steel-sheet door leaf with insulating-material core, without bottom frame, total thickness 60 mm.
- ❏ Corner frame made of **galvanized** steel-sheet profile, with brackets to be set into wall, joints for on-site assembly, and screw-on bottom spacer.
- ❏ Lock for main leaf, with cylinder bore and keyhole for patent keys.
- ❏ Self-locking mechanism with built-in release lever on secondary door leaf.
- ❏ Cavity for lock on secondary leaf also suitable for emergency-handle lock.
- ❏ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❏ 4 hinges, one per leaf with spring for the self-closing and one ball-bearing hinge with screws for the vertical adjustment.
- ❏ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❏ Floor catch set with 3 screws/dowels to fix on finished floor.
- ❏ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaves is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaves by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❏ Maximum dimensions 2660 x 2670 mm.
- ❏ Weight approx. 28 kg/m² wall opening.

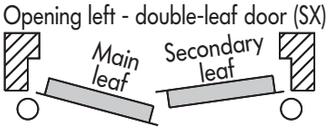
N.B.

- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- Should the door be repainted the instructions outlined on the "surface treatment" page must be followed.
- FFL = Finished floor level.

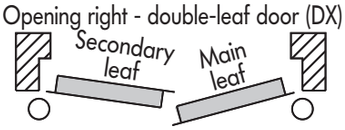


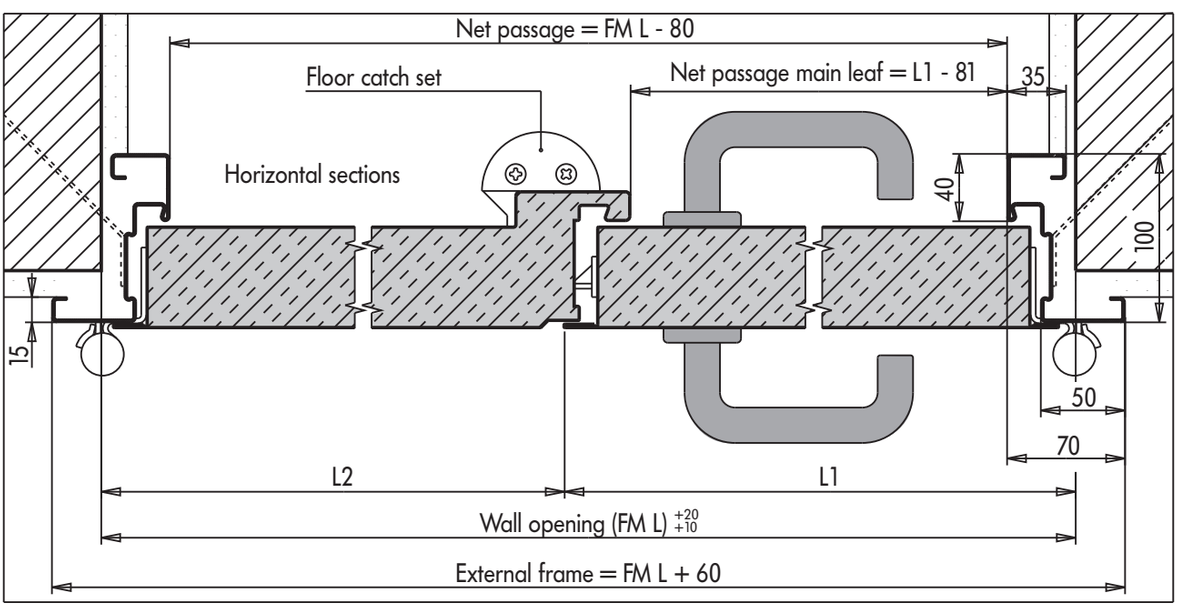


Opening left - double-leaf door (SX)



Opening right - double-leaf door (DX)





SPECIFICATIONS/SECTIONS

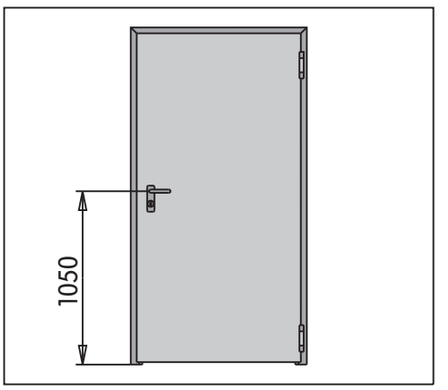
Proget REI 60 and REI 120 single-leaf doors

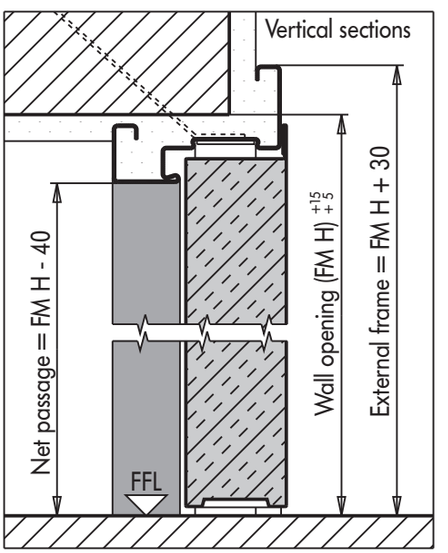
Proget REI 60 and REI 120 single-leaf doors:

- ❏ **Galvanized** steel-sheet door leaf with insulating-material core, without bottom frame, total thickness 60 mm.
- ❏ Corner frame made of **galvanized** steel-sheet profile, with brackets to be set into wall, joints for on-site assembly, and screw-on bottom spacer.
- ❏ Lock complete with cylinder bore and keyhole for patent keys.
- ❏ Safety bolt in hinge-side leaf edge.
- ❏ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❏ 2 hinges: one hinge with self-closing spring, one ball-bearing hinge with screws for the vertical adjustment.
- ❏ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❏ Thermoexpanding gasket inserted in appropriate cavity in frame.
- ❏ Identification plate on door edge.
- ❏ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaf (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaf is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaf by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❏ For minimum and maximum dimensions possible please see page "models/certificates".
- ❏ Sound insulation with automatic sill seal: REI 60 = 29,5 dB
  REI 120 = 30 dB
- ❏ Weight approx.: REI 60 37 kg/m² wall opening.
  REI 120 46 kg/m² wall opening.

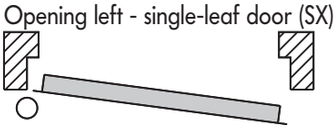
N.B.

- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- Should the door be repainted the instructions outlined on the "surface treatment" page must be followed.
- FFL = Finished floor level.

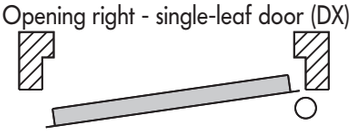


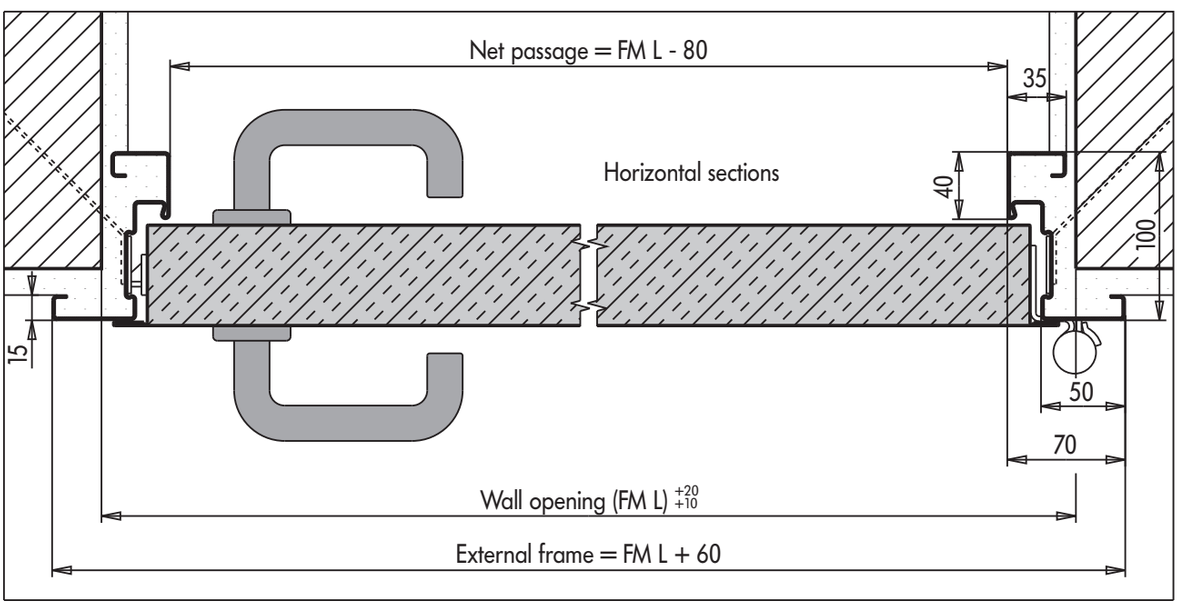


Opening left - single-leaf door (SX)



Opening right - single-leaf door (DX)





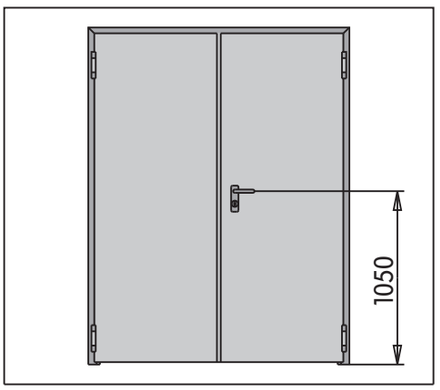
SPECIFICATIONS/SECTIONS

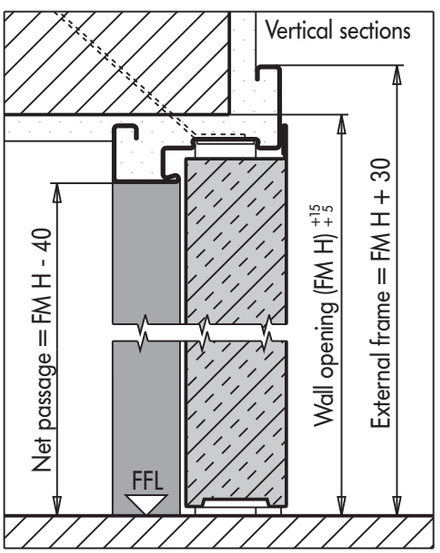
Proget REI 60 and REI 120 double-leaf doors

Proget REI 60 and REI 120 double-leaf doors:

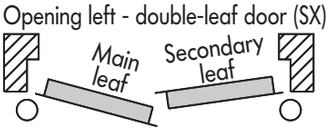
- ❑ **Galvanized** steel-sheet door leaf with insulating-material core, without bottom frame, total thickness 60 mm.
- ❑ Corner frame made of **galvanized** steel-sheet profile, with brackets to be set into wall, joints for on-site assembly, and screw-on bottom spacer.
- ❑ Lock for main leaf, with cylinder bore and keyhole for patent keys.
- ❑ Self-locking mechanism with built-in release lever on secondary door leaf.
- ❑ Cavity for lock on secondary leaf also suitable for emergency-handle lock.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 4 hinges, one per leaf with spring for the self-closing and one ball-bearing hinge with screws for the vertical adjustment.
- ❑ Closing regulator to ensure correct closing sequence.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame and in the vertical joint of leaves.
- ❑ Floor catch set with 3 screws/dowels to fix on finished floor
- ❑ Identification plate on door edge.
- ❑ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaves is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaves by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❑ For minimum and maximum dimensions possible please see page "models/certificates".
- ❑ Weight approx.: REI 60 35 kg/m² wall opening
  REI 120 45 kg/m² wall opening

N.B.
- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- Should the door be repainted the instructions outlined on the "surface treatment" page must be followed.
- FFL = Finished floor level.

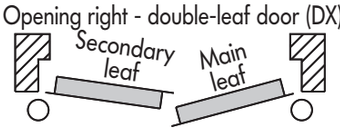


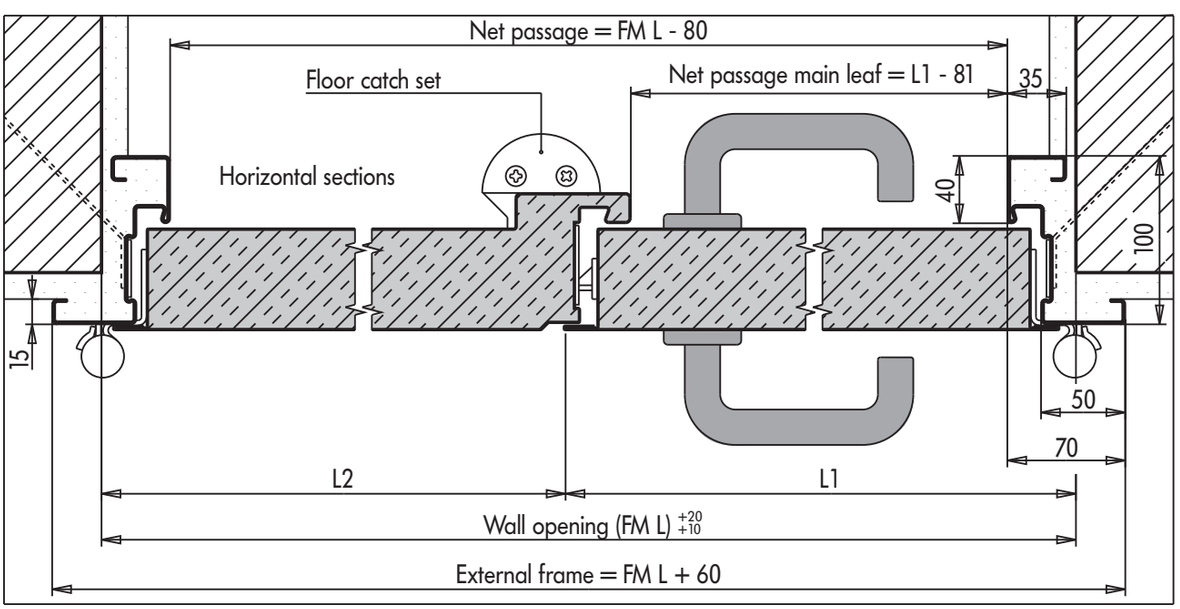


Opening left - double-leaf door (SX)



Opening right - double-leaf door (DX)





NINZ® FIREDOORS

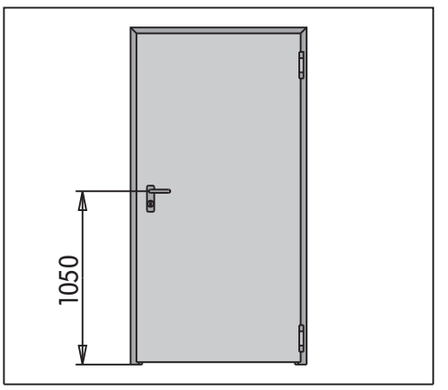
SPECIFICATIONS/SECTIONS

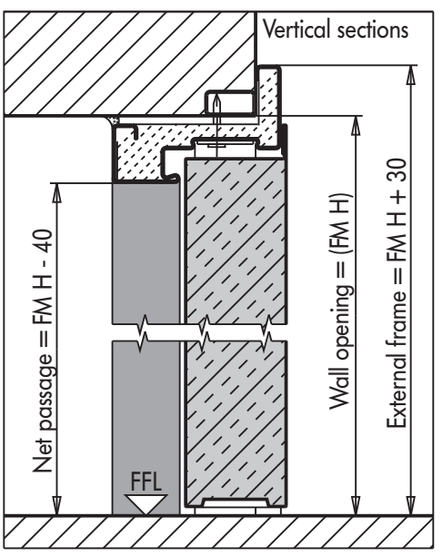
Proget REI 60 and REI 120 single-leaf doors on sub-frame

Fire door PROGET REI 60 and REI 120 conform to UNI 9723 with one door leaf, installed and finished "key in hand" by means of screws on the metal sub-frame consisting of:

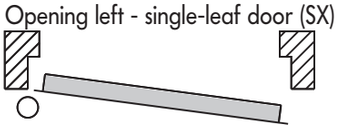
- ❑ **Galvanized** steel-sheet door leaf with insulating-material core, without bottom frame, total thickness 60 mm.
- ❑ An angular frame made of profiled galvanised sheet steel, supplied already fitted with insulation material, with joints for on-site assembly, interior spacers with screws and holes for the installation on the frame.
- ❑ Lock complete with cylinder bore and keyhole for patent keys.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 2 hinges: one hinge with self-closing spring, one ball-bearing hinge with screws for the vertical adjustment.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame.
- ❑ Identification plate on door edge.
- ❑ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaf (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaf is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaf by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❑ For minimum and maximum dimensions possible please see page "models/certificates".
  600 - 1170 x 1775 - 2275
  1004 - 1340 x 2050 - 2500
- ❑ Sound insulation with automatic sill seal: REI 60 = 29,5 dB
  REI 120 = 30 dB
- ❑ Weight approx.: REI 60 37 kg/m² wall opening.
  REI 120 46 kg/m² wall opening.

N.B.
- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- Should the door be repainted the instructions outlined on the "surface treatment" page must be followed.
- FFL = Finished floor level.

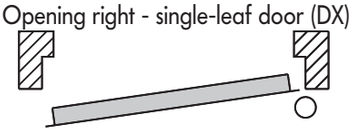


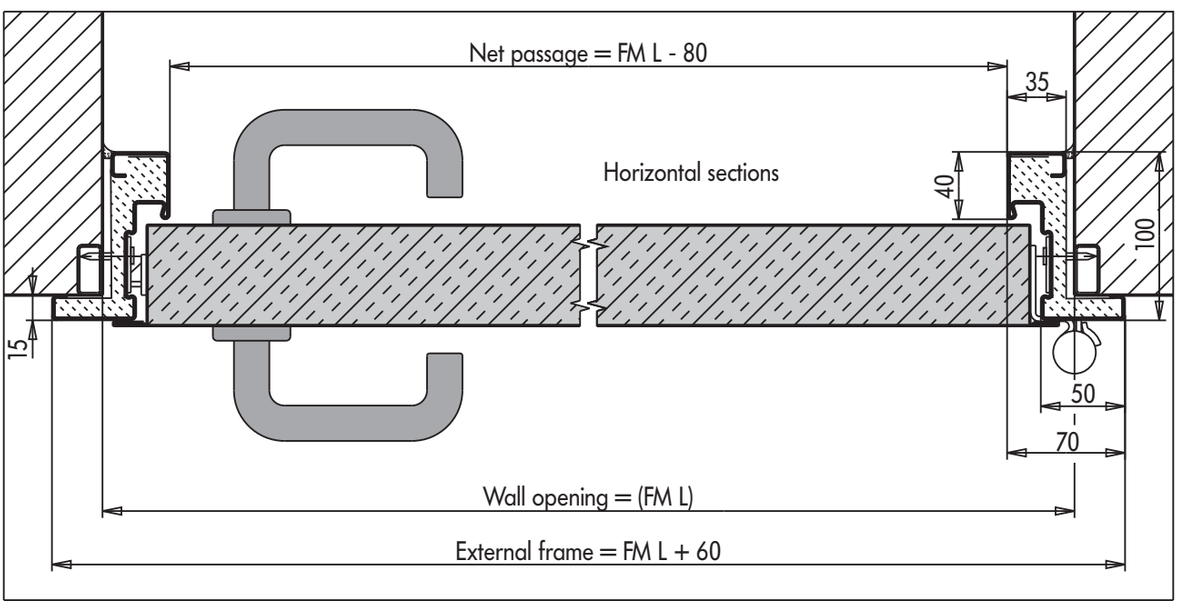


Opening left - single-leaf door (SX)



Opening right - single-leaf door (DX)





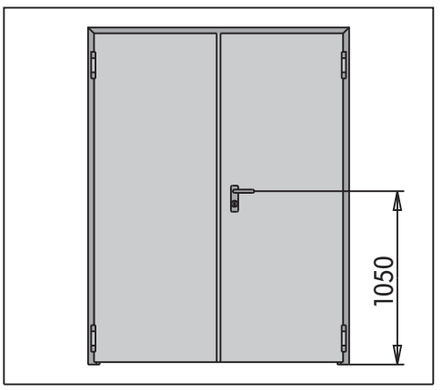
SPECIFICATIONS/SECTIONS

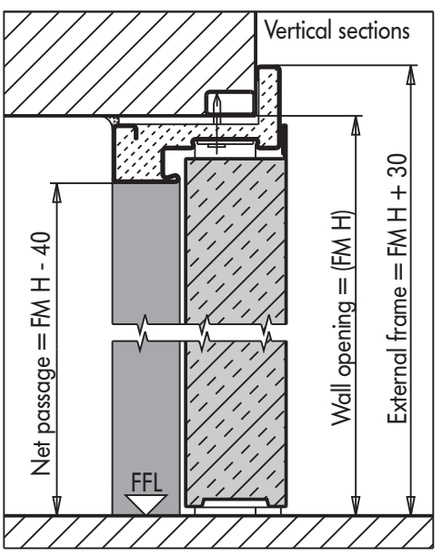
Proget REI 60 and REI 120 double-leaf doors on sub-frame

Fire door PROGET REI 60 and REI 120 conform to UNI 9723 with double door leaf, installed and finished "key in hand" by means of screws on the metal sub-frame consisting of:

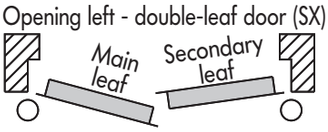
- ❑ **Galvanized** steel-sheet door leaf with insulating-material core, without bottom frame, total thickness 60 mm.
- ❑ An angular frame made of profiled galvanised sheet steel, supplied already fitted with insulation material, with joints for on-site assembly, interior spacers with screws and holes for the installation on the frame.
- ❑ Lock for main leaf, with cylinder bore and keyhole for patent keys.
- ❑ Self-locking mechanism with built-in release lever on secondary door leaf.
- ❑ Cavity for lock on secondary leaf also suitable for emergency-handle lock.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 4 hinges, one per leaf with spring for the self-closing and one ball-bearing hinge with screws for the vertical adjustment.
- ❑ Closing regulator to ensure correct closing sequence.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame and in the vertical joint of leaves.
- ❑ Floor catch set with 3 screws/dowels to fix on finished floor
- ❑ Identification plate on door edge.
- ❑ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaves is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaves by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❑ For minimum and maximum dimensions possible please see page "models/certificates".
  890 (540 + 350) - 2252 (1126 + 1126) x 1775 - 2275
  1962 (996 + 996) - 2540 (1270 + 1270) x 2050 - 2500
- ❑ Weight approx.: REI 60 ca. 35 kg/m² wall opening. REI 120 ca. 45 kg/m² wall opening.

N.B.
- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- Should the door be repainted the instructions outlined on the "surface treatment" page must be followed.
- FFL = Finished floor level.

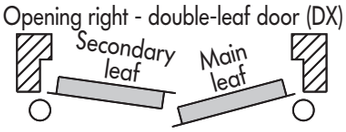


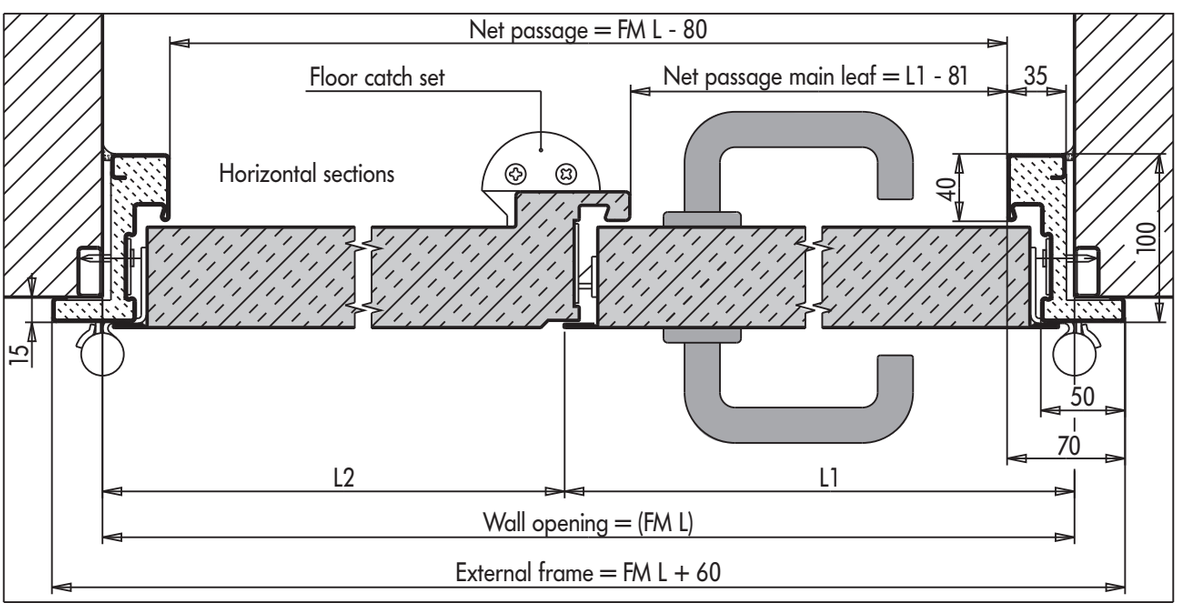


Opening left - double-leaf door (SX)



Opening right - double-leaf door (DX)





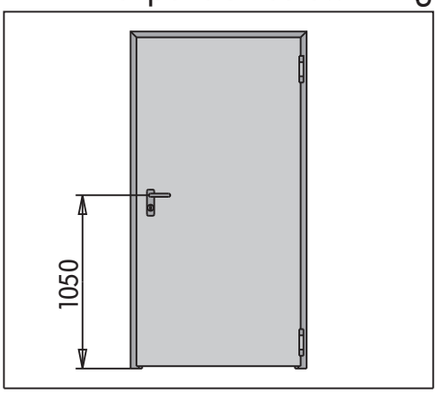
SPECIFICATIONS/SECTIONS

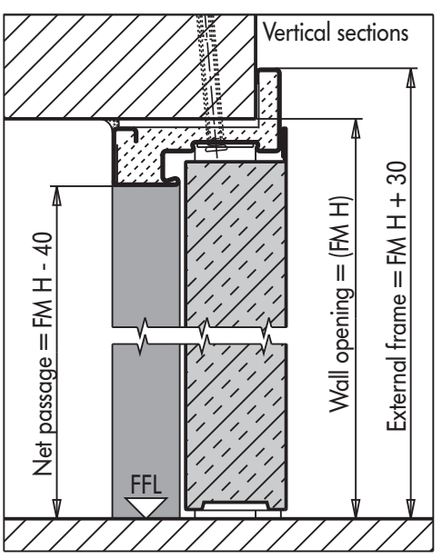
Proget REI 60 and REI 120 single-leaf doors expansion screw fixing

Fire door PROGET REI 60 or 120 conform to UNI 9723 with one door leaf installed and finished "key in hand" by means of plugs, consisting of:

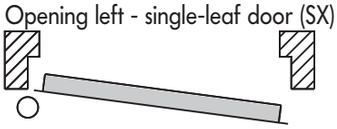
- ❑ **Galvanized** steel-sheet door leaf with insulating-material core, without bottom frame, total thickness 60 mm.
- ❑ An angular frame made of profiled galvanised sheet steel, supplied already fitted with insulation material, with joints for on-site assembly, interior spacers with screws and holes for the installation on the frame.
- ❑ Lock complete with cylinder bore and keyhole for patent keys.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 2 hinges: one hinge with self-closing spring, one ball-bearing hinge with screws for the vertical adjustment.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame.
- ❑ Identification plate on door edge.
- ❑ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaf (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaf is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaf by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❑ For minimum and maximum dimensions possible please see page "models/certificates".
  600 - 1170 x 1775 - 2275
  1004 - 1340 x 2050 - 2500
- ❑ Sound insulation with automatic sill seal: REI 60 = 29,5 dB
  REI 120 = 30 dB
- ❑ Weight approx.: REI 60 37 kg/m² wall opening.
  REI 120 46 kg/m² wall opening.

N.B.
- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- Should the door be repainted the instructions outlined on the "surface treatment" page must be followed.
- FFL = Finished floor level.

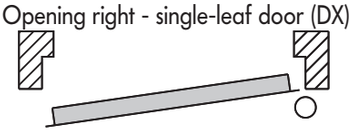


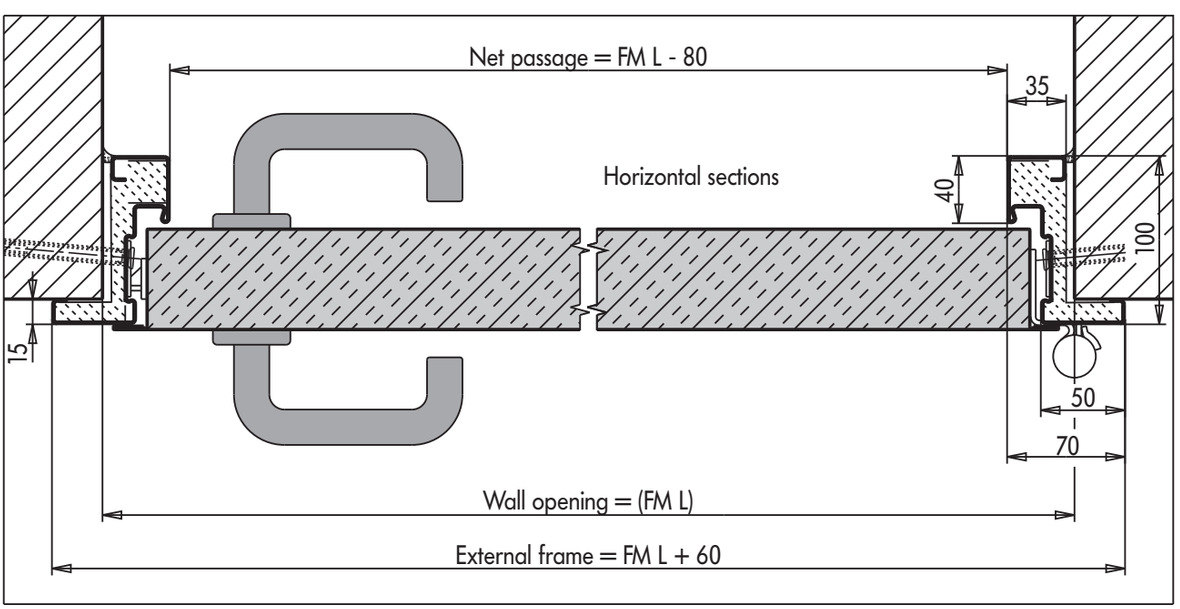


Opening left - single-leaf door (SX)



Opening right - single-leaf door (DX)





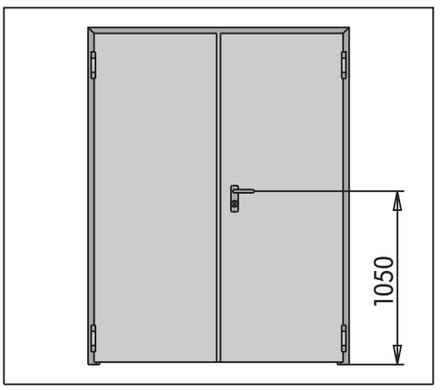
SPECIFICATIONS/SECTIONS

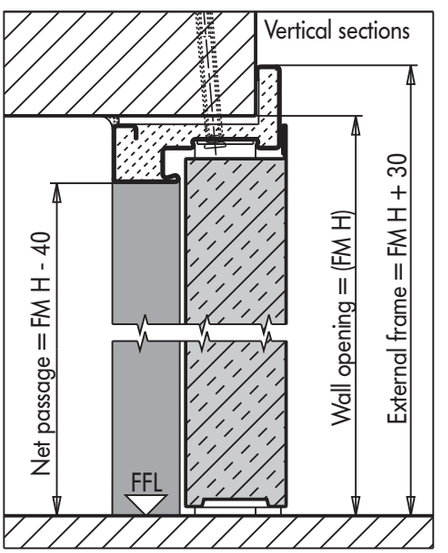
Proget REI 60 and REI 120 double-leaf doors expansion screw fixing

Fire door PROGET REI 60 or 120 conform to UNI 9723 with double door leaf installed and finished "key in hand" by means of plugs, consisting of:

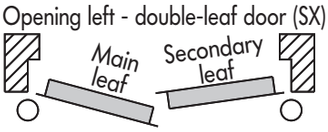
- ❑ **Galvanized** steel-sheet door leaf with insulating-material core, without bottom frame, total thickness 60 mm.
- ❑ An angular frame made of profiled galvanised sheet steel, supplied already fitted with insulation material, with joints for on-site assembly, interior spacers with screws and holes for the installation on the frame.
- ❑ Lock for main leaf, with cylinder bore and keyhole for patent keys.
- ❑ Self-locking mechanism with built-in release lever on secondary door leaf.
- ❑ Cavity for lock on secondary leaf also suitable for emergency-handle lock.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 4 hinges, one per leaf with spring for the self-closing and one ball-bearing hinge with screws for the vertical adjustment.
- ❑ Closing regulator to ensure correct closing sequence.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame and in the vertical joint of leaves.
- ❑ Floor catch set with 3 screws/dowels to fix on finished floor
- ❑ Identification plate on door edge.
- ❑ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaves is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaves by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❑ For minimum and maximum dimensions possible please see page "models/certificates".
  890 (540 + 350) - 2252 (1126 + 1126) x 1775 - 2275
  1962 (996 + 996) - 2540 (1270 + 1270) x 2050 - 2500
- ❑ Weight approx.: REI 60 ca. 35 kg/m² wall opening. REI 120 ca. 45 kg/m² wall opening.

N.B.
- Cylinder and weather stripping are supplied only upon request.
- All the RAL colours available are listed on the order form and on the page on "surface finishing".
- Should the door be repainted the instructions outlined on the "surface treatment" page must be followed.
- FFL = Finished floor level.

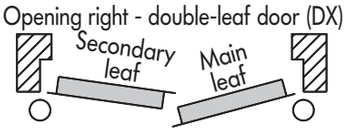


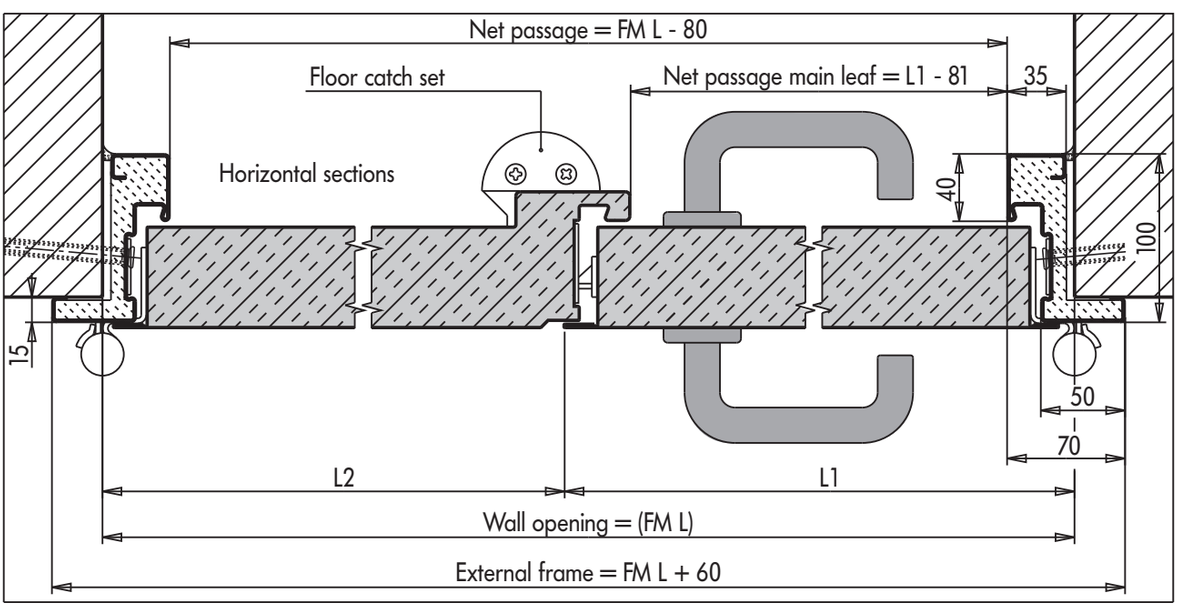


Opening left - double-leaf door (SX)



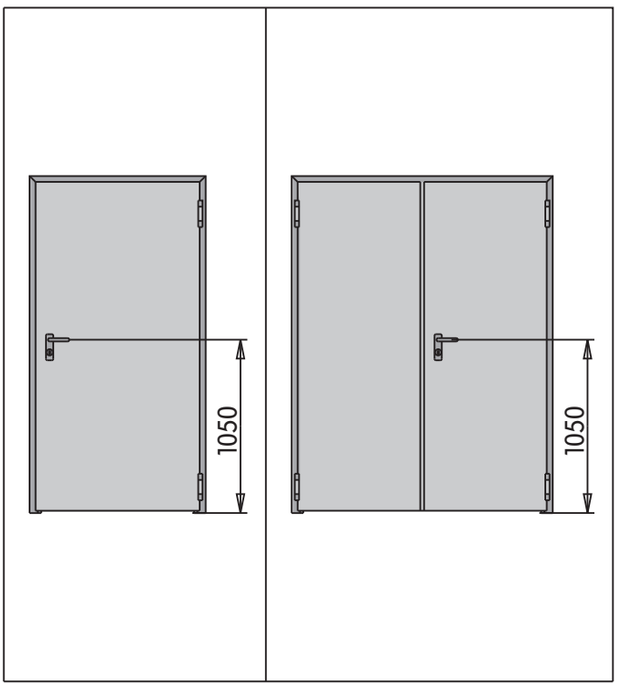
Opening right - double-leaf door (DX)



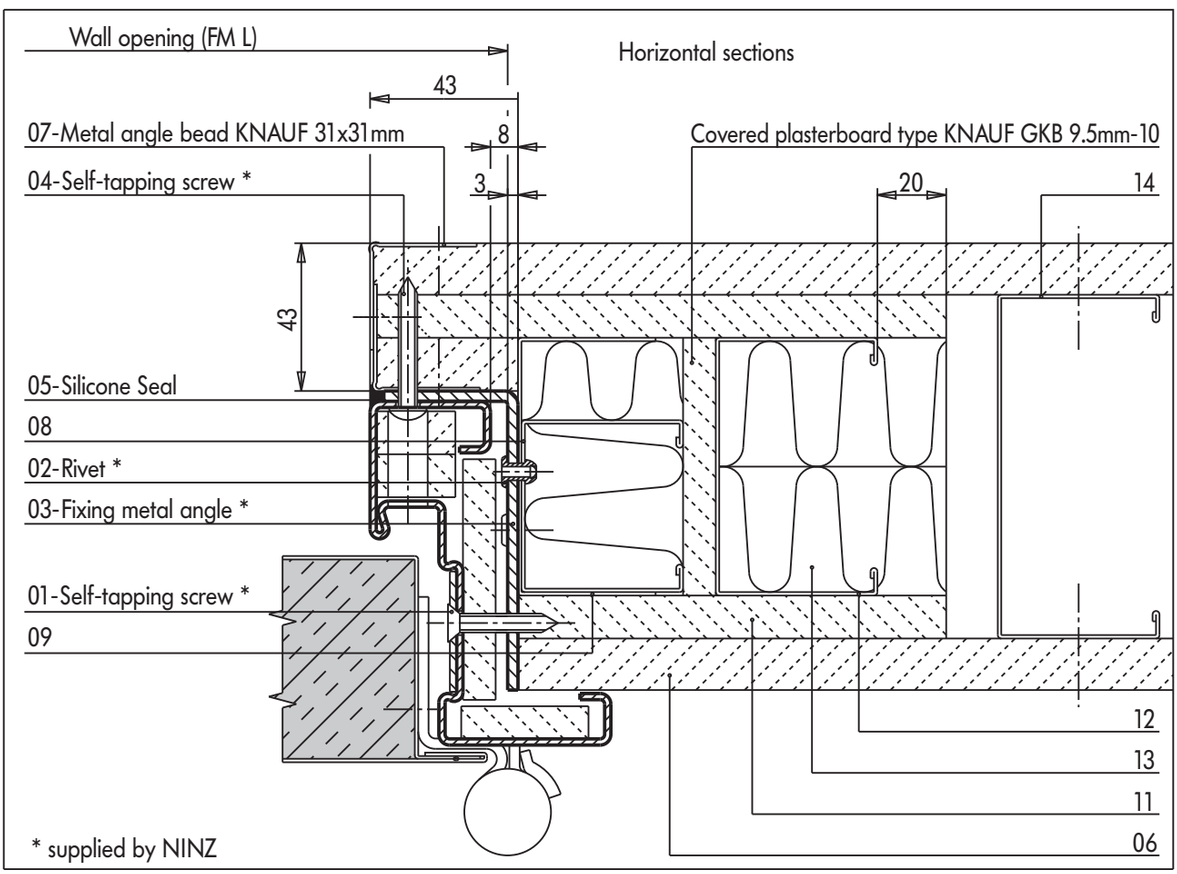


SPECIFICATIONS/SECTIONS

Plasterboard partition - Proget REI 60 doors



Plasterboard walls constructed with: metal mesh in the horizontal guide profile in a "U" form in **galvanized** steel with thickness 0.6 mm and section 100 x 40 mm (15), blocked at the top and on the floor, vertical installation profiles in "C" form in **galvanized** steel with thickness 0.6 mm and section 100 x 47 mm (14). The mesh section is rebated by 75 mm (09, 12) next to the door and the two installation profiles are internally reinforced by an additional "C" profile in galvanized steel with thickness 0.6 mm and section of 50 x 47 mm (08); the two faces of the mesh are covered with a skin, in the door area with a double layer plate of plasterboard KNAUF GKF AK fireproof, with an external thickness of 15 mm (06) and an internal thickness of 12.5 (11); the mesh rebate of 75 mm next to the door is filled with mineral wool strips with a density of 70 kilos per cubic metre (13). The door frame is specially prepared for REI 60 application and this requirement must be specifically mentioned on ordering.



SPECIFICATIONS/SECTIONS

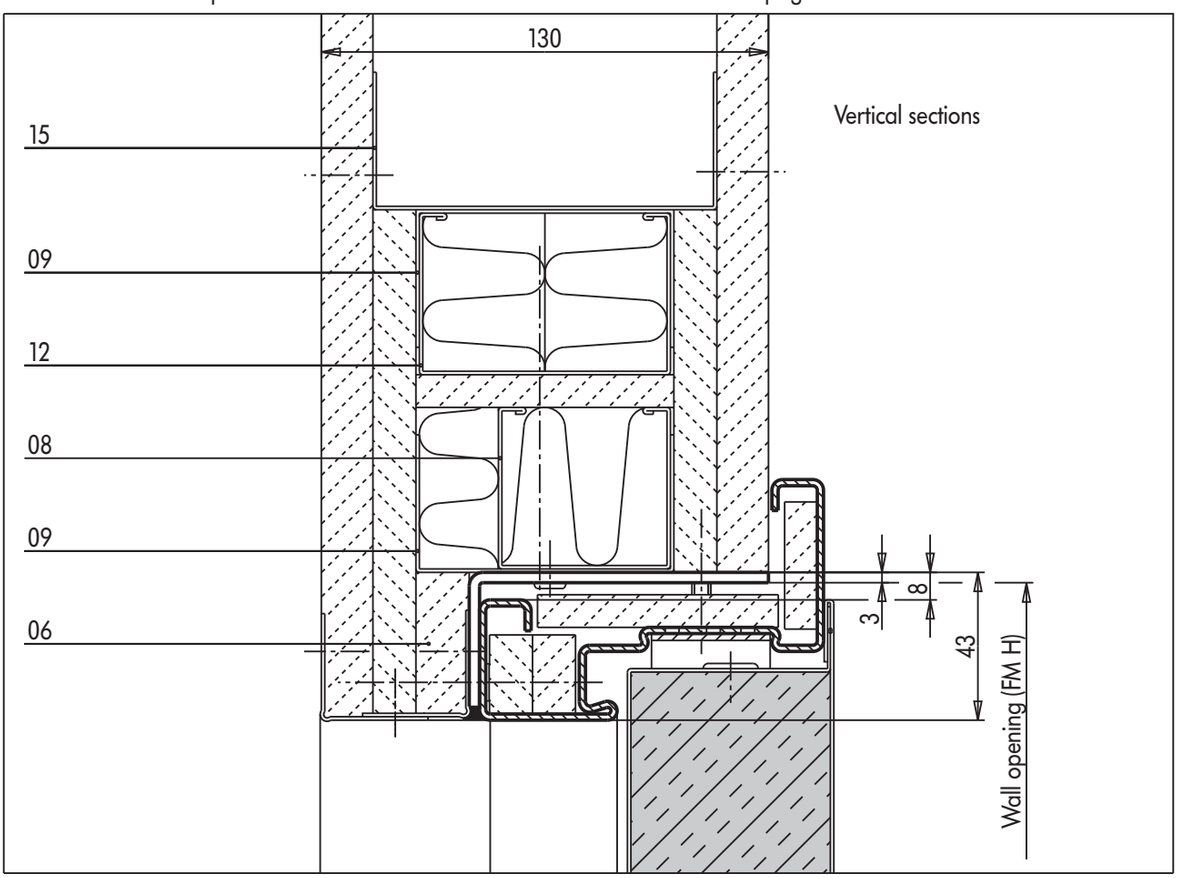
Plasterboard partition - Proget REI 60 doors

Fireproof doors PROGET REI 60 single or double door leaf prepared for fixing in plasterboard wall consisting of :

Door leaves in beaten **galvanized** sheet, filled with insulation material, without bottom profile, total thickness 60 mm. Insulated angled frame consisting of **galvanised** sheet steel profiles with connectors for assembly on site, bottom spacer to be screwed and fixing holes on the wall. Lock seat including opening for cylinder and insert for patent key. Self blocking lock on the secondary door leaf with a opening lever. The seat is also prepared for the application of hardware with an anti-panic handle. Safety bolts in the door leaf. Black accident prevention handle with a steel core complete with a cover prepared with an aperture for the cylinder and insert for patent key.
A pair of hinges, one for a door leaf with automatic closing spring and one fitted with a resistance bearing with vertical adjustment screws.
Closing regulator to guarantee the correct closing sequence for double doors. Internal reinforcement of the door leaf to accommodate possible fitting of door closers and anti-panic handles. Thermal expansion seal in the proper channel in the frame and in the counter profile on the secondary door leaf.
Floor catch set with 3 screws/plugs to be installed on the finished floor. Consignment label with relevant information located in the rebate of the principal door leaf.
Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish pastel turquiose lighter tone for the door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaves is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaves by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected. Door weight approx. 35 kg/m² of wall opening. For minimum and maximum dimensions possible please see page "models/certificates".

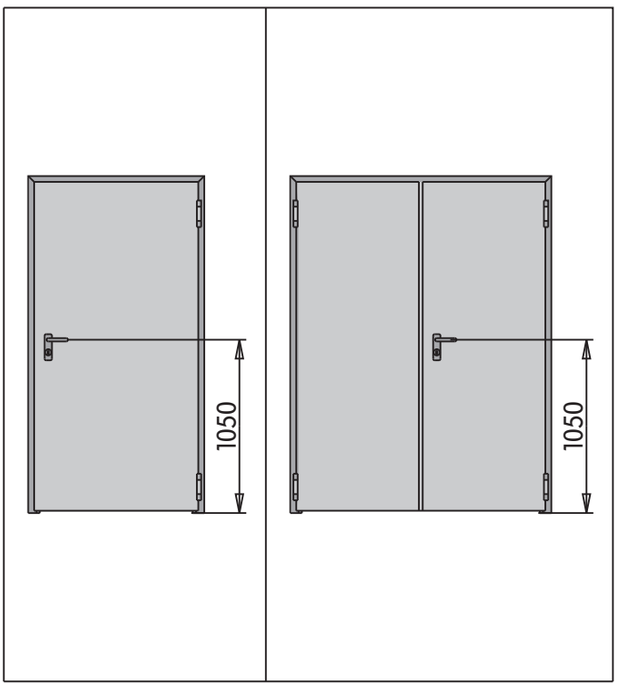
Single door leaf	546 - 1007 x 1775 - 2150 864 - 1153 x 1938 - 2363	Double door leaf	890 (540 + 350) - 2000 (1000 + 1000) x 1775-2150 1707 (855,5+851,5) - 2293 (1144,5+1148,5) x 1938-2363

Cylinders and seals are only supplied on request. Orders are carried according to the RAL colour range outlined on the "surface treatment" page.
Should the door be repainted the instructions outlined on the "surface treatment" page must be followed.



SPECIFICATIONS/SECTIONS

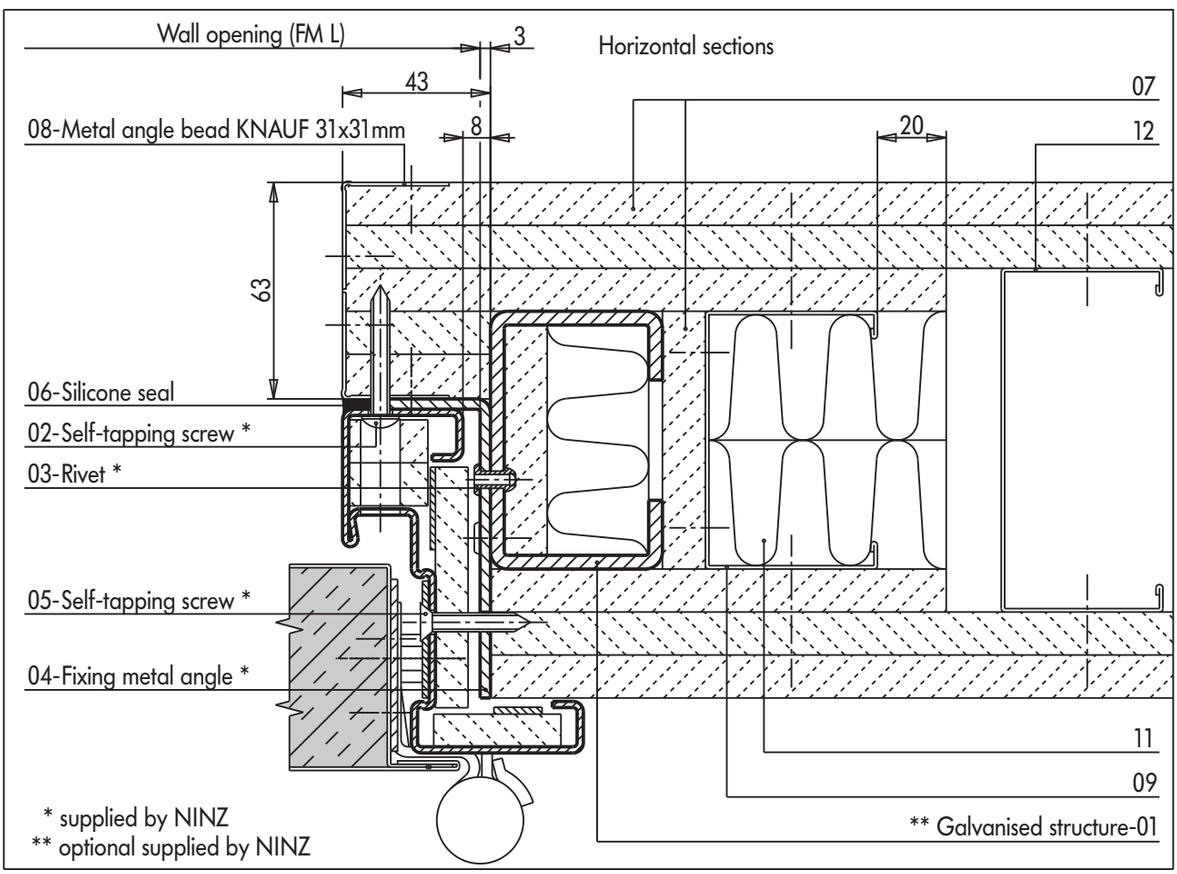
Plasterboard partition - Proget REI 120 doors



Plasterboard walls constructed with: metal mesh in the horizontal guide profile in a "U" form in **galvanized** steel with thickness 0.6 mm and section 100 x 40 mm (10), blocked at the top and on the floor, vertical installation profiles in "C" form in **galvanized** steel with thickness 0.6 mm and section 100 x 47 mm (12). The mesh section is rebated by 75 mm (09) next to the door the two faces of the mesh are covered with a double skin, in the door area with a triple layer plate of plasterboard KNAUF GKF AK fireproof, each with a thickness of 12.5 (07); the mesh rebate of 75 mm next to the door is filled with mineral wool strips with a density of 70 kilos per cubic metre (11).

The structure of the door (01) consists of: two sheet steel installation profiles (50 x 75 mm) thickness 4 mm anchored by means of two telescopic profiles and fitted with fixing plates for ceiling and floor; a traverse in sheet steel (50x75) with a thickness of 4mm anchored on the two structural installation profiles by means of two telescopic profiles and fitted with plates to be fixed with 5.5 mm self cutting screws.

The door frame is prepared for REI 120 applications and this should be specified on ordering.



SPECIFICATIONS/SECTIONS

Plasterboard partition - Proget REI 120 doors

Fireproof doors PROGET REI 120 single or double door leaf prepared for fixing in plasterboard wall consisting of :

Door leaves in beaten **galvanized** sheet, filled with insulation material, without bottom profile, total thickness 60 mm. Insulated angled frame consisting of **galvanised** sheet steel profiles with connectors for assembly on site, bottom spacer to be screwed and fixing holes on the wall. Lock seat including opening for cylinder and insert for patent key. Self blocking lock on the secondary door leaf with a opening lever. The seat is also prepared for the application of hardware with an anti-panic handle. Safety bolts in the door leaf. Black accident prevention handle with a steel core complete with a cover prepared with an aperture for the cylinder and insert for patent key.

A pair of hinges, one for a door leaf with automatic closing spring and one fitted with a resistance bearing with vertical adjustment screws.

Closing regulator to guarantee the correct closing sequence for double doors. Internal reinforcement of the door leaf to accommodate possible fitting of door closers and anti-panic handles. Thermal expansion seal in the proper channel in the frame and in the counter profile on the secondary door leaf.

Floor catch set with 3 screws/plugs to be installed on the finished floor. Consignment label with relevant information located in the rebate of the principal door leaf.

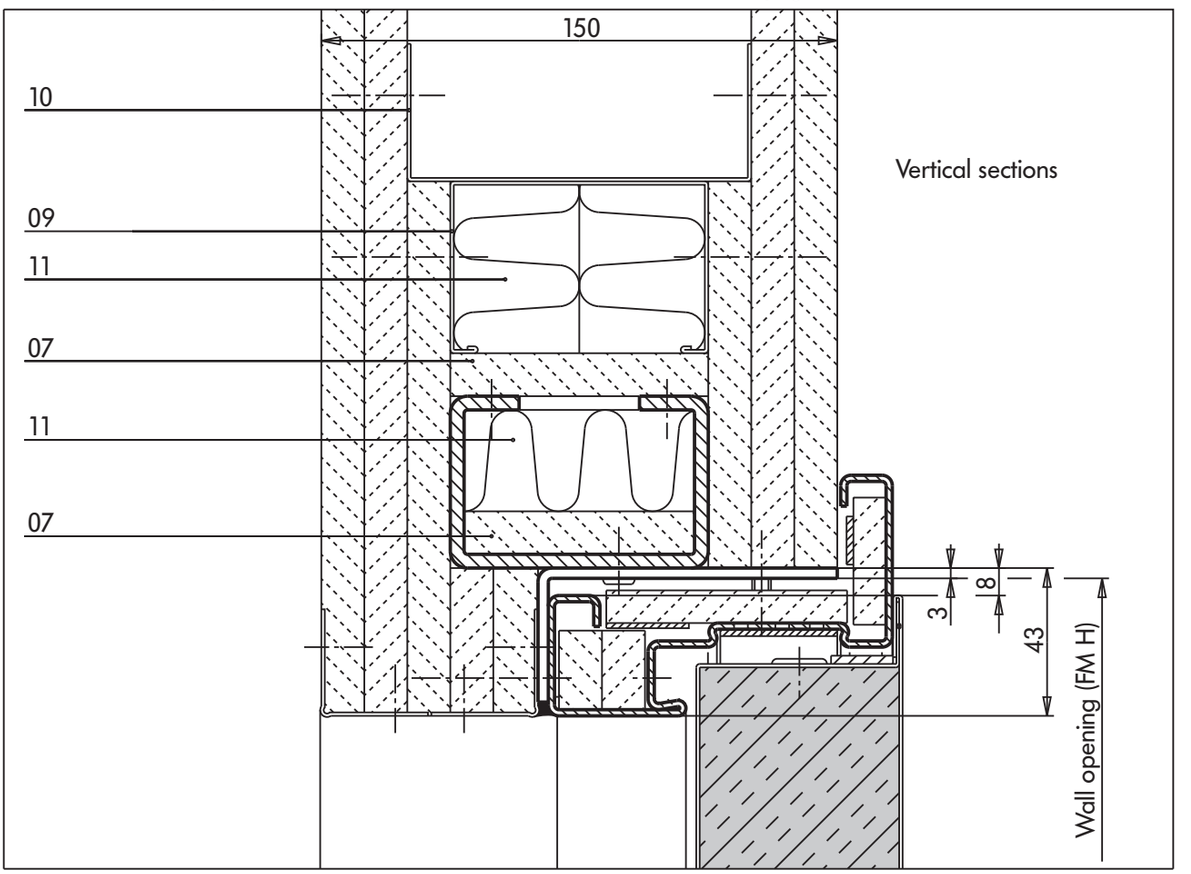
Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish pastel turquiose lighter tone for the door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaves is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaves by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected. Door weight approx. 46 kg/m² for single leaf, double leaf doors approx. 45 kg/m² of wall opening. For minimum and maximum dimensions possible please see page "models/certificates".

Single leaf 546 - 1007 x 1775 - 2150
864 - 1153 x 1938 - 2363

Double leaf 890 (540 + 350) - 2000 (1000 + 1000) x 1775 - 2150
1707 (855,5+851,5) - 2293 (1144,5+1148,5) x 1938-2363

Cylinders and seals are only supplied on request. Orders are carried according to the RAL colour range outlined on the "surface treatment" page.

Should the door be repainted the instructions outlined on the "surface treatment" page must be followed.



NINZ® FIREDOORS

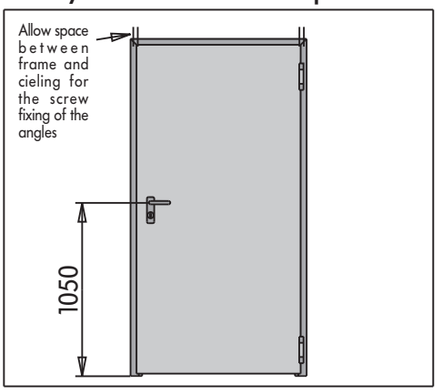
SPECIFICATIONS/SECTIONS

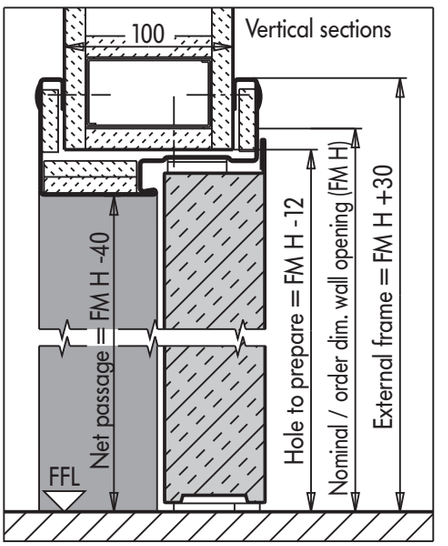
Proget REI 60 single-leaf doors / Application in plasterboard walls by means of clamp frame

PROGET REI 60 single leaf doors for clamp fitting prepared for fixing in plasterboard wall consisting of:

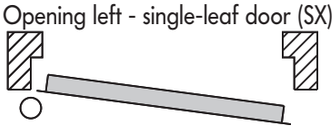
- ❑ **Galvanized** steel-sheet door leaf with insulating-material core, without bottom frame, total thickness 60 mm.
- ❑ Frame constructed of Insulated **galvanized** sheet steel clamp profiles with accessories for assembly on site prepared with fixing holes and cover plugs.
- ❑ Lock complete with cylinder bore and keyhole for patent keys.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 2 hinges: one hinge with self-closing spring, one ball-bearing hinge with screws for the vertical adjustment.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame. Identification plate on door edge.
- ❑ Standard epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaf (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaf is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaf by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❑ For minimum and maximum dimensions possible please see page "models/ certificates".
  600 - 1170 x 1775 - 2275
  1004 - 1340 x 2050 - 2500
- ❑ Sound insulation with automatic sill seal: 29.5 dB
- ❑ Weight approx. 37 kg/m² wall opening.

Cylinder and weather stripping are supplied only on request. Should the door be repainted the instructions outlined on the "surface treatment" page must be followed. FFL = Finished floor level.
Plasterboard walls consisting of : metal mesh in galvanized steel with "U" guide profile 75 x 40 mm, vertical structural profiles in "C" form 75 x 47 mm (doubled against the door frame), both sides and the frame profiles are covered with a single skin plasterboard model KNAUF GKF AK fireproof with a thickness of 12,5 mm.

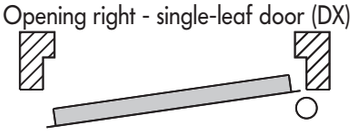


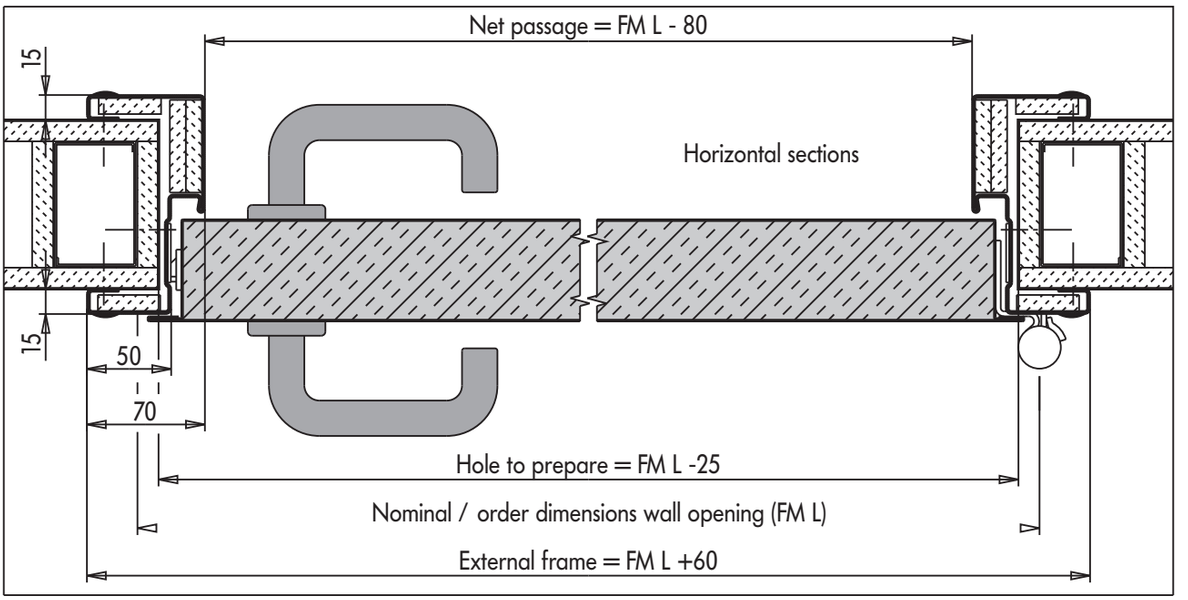


Opening left - single-leaf door (SX)



Opening right - single-leaf door (DX)





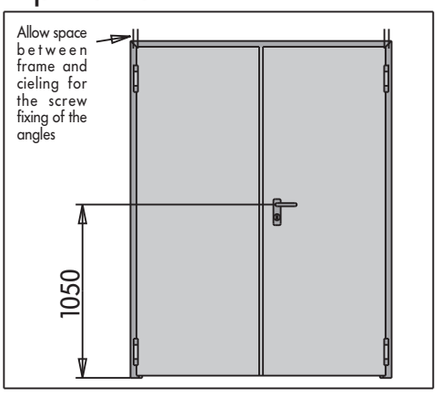
SPECIFICATIONS/SECTIONS

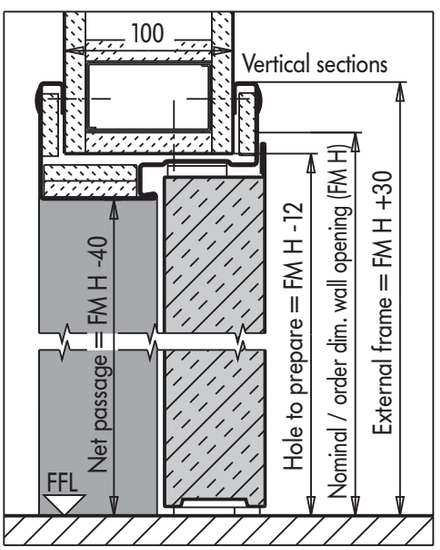
Proget REI 60 double-leaf doors / Application in plasterboard walls by means of clamp frame

PROGET REI 60 double leaf doors for clamp fitting prepared for fixing in plasterboard wall consisting of:

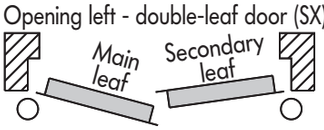
- ❑ **Galvanized** steel-sheet door leaf with insulating-material core, without bottom frame, total thickness 60 mm.
- ❑ Frame constructed of Insulated **galvanized** sheet steel clamp profiles with accessories for assembly on site prepared with fixing holes and cover plugs.
- ❑ Lock for main leaf, with cylinder bore and keyhole for patent keys.
- ❑ Self-locking mechanism with built-in release lever on secondary door leaf.
- ❑ Cavity for lock on secondary leaf also suitable for emergency-handle lock.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 4 hinges, one per leaf with spring for the self-closing and one ball-bearing hinge with screws for the vertical adjustment.
- ❑ Closing regulator to ensure correct closing sequence.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame and in the vertical joint of leaves.
- ❑ Floor catch set with 3 screws/dowels to fix on finished floor
- ❑ Identification plate on door edge.
- ❑ Epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaves is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaves by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❑ For minimum and maximum dimensions possible please see page "models/certificates".
  890 (540 + 350) - 2252 (1126 + 1126) x 1775 - 2275
  1962 (996 + 996) - 2540 (1270 + 1270) x 2050 - 2500
- ❑ Weight approx. ca. 35 kg/m² wall opening.

Cylinder and weather stripping are supplied only on request.
Should the door be repainted the instructions outlined on the "surface treatment" page must be followed. FFL = Finished floor level.
Plasterboard walls consisting of : metal mesh in galvanized steel with "U" guide profile 75 x 40 mm, vertical structural profiles in "C" form 75 x 47 mm (doubled against the door frame), both sides and the frame profiles are covered with a single skin plasterboard model KNAUF GKF AK fireproof with a thickness of 12,5 mm.

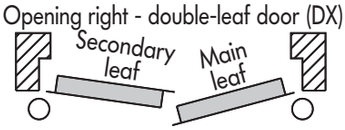


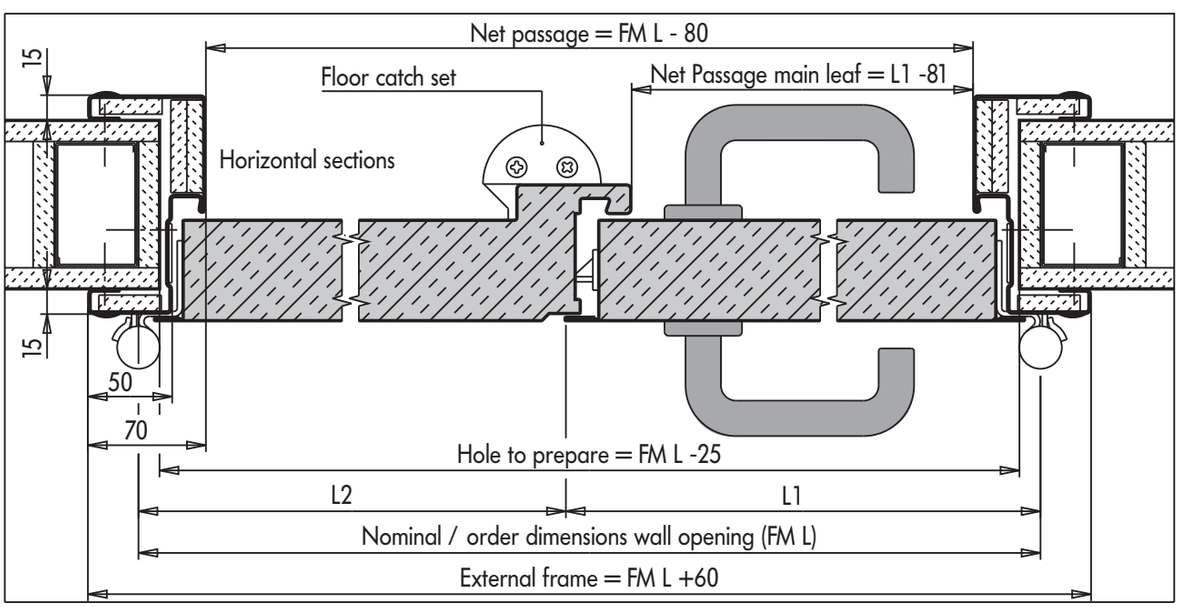


Opening left - double-leaf door (SX)



Opening right - double-leaf door (DX)





NINZ® FIREDOORS

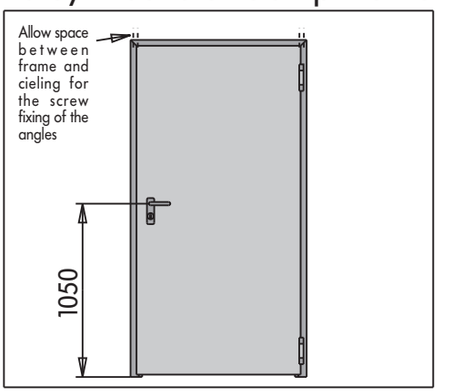
SPECIFICATIONS/SECTIONS

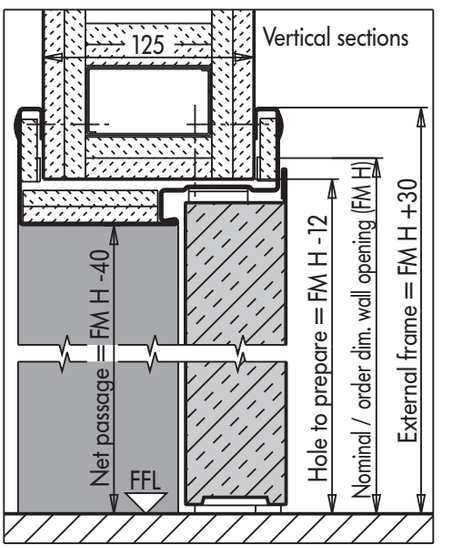
Proget REI 120 single-leaf doors / Application in plasterboard walls by means of clamp frame

PROGET REI 120 single leaf doors for clamp fitting prepared for fixing in plasterboard wall consisting of:

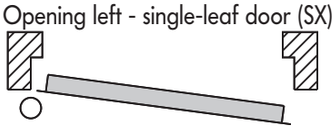
- ❑ **Galvanized** steel-sheet door leaf with insulating-material core, without bottom frame, total thickness 60 mm.
- ❑ Frame constructed of Insulated **galvanized** sheet steel clamp profiles with accessories for assembly on site prepared with fixing holes and cover plugs.
- ❑ Lock complete with cylinder bore and keyhole for patent keys.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 2 hinges: one hinge with self-closing spring, one ball-bearing hinge with screws for the vertical adjustment.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame.
- ❑ Identification plate on door edge.
- ❑ Epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaf (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaf is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaf by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❑ For minimum and maximum dimensions possible please see page "models/ certificates".
  600 - 1170 x 1775 - 2275
  1004 - 1340 x 2050 - 2500
- ❑ Sound insulation with automatic sill seal: 30dB
- ❑ Weight approx. 46 kg/m² wall opening.

Cylinder and weather stripping are supplied only upon request.
Should the door be repainted the instructions outlined on the "surface treatment" page must be followed. FFL = Finished floor level.
Plasterboard walls consisting of : metal mesh in galvanized steel with "U" guide profile 75 x 40 mm, vertical structural profiles in "C" form 75 x 47 mm (doubled against the door frame), both sides and the frame profiles are covered with a single skin plasterboard model KNAUF GKF AK fireproof with a thickness of 12,5 mm.

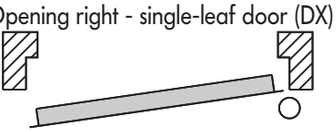


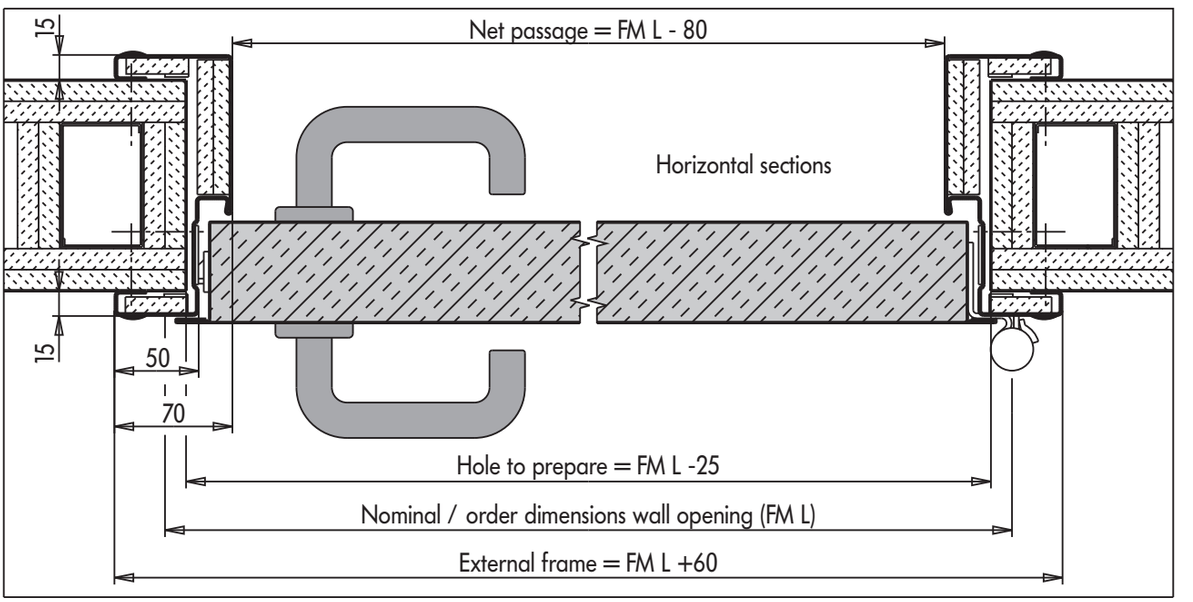


Opening left - single-leaf door (SX)



Opening right - single-leaf door (DX)





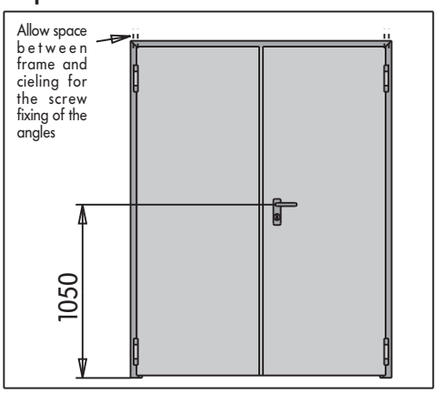
SPECIFICATIONS/SECTIONS

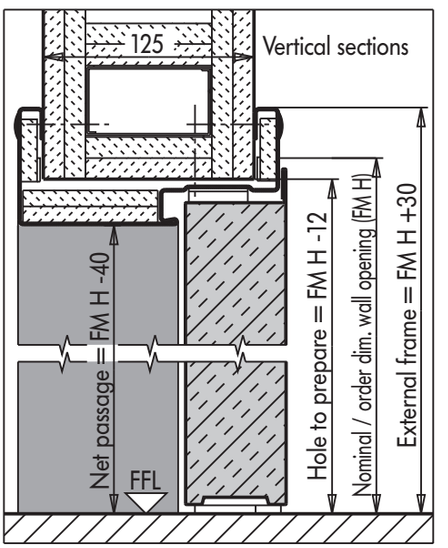
Proget REI 120 double-leaf doors / Application in plasterboard walls by means of clamp frame

PROGET REI 120 double leaf doors for clamp fitting prepared for fixing in plasterboard wall consisting of:

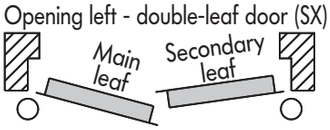
- ❑ **Galvanized** steel-sheet door leaf with insulating-material core, without bottom frame, total thickness 60 mm.
- ❑ Frame constructed of Insulated **galvanized** sheet steel clamp profiles with accessories for assembly on site prepared with fixing holes and cover plugs.
- ❑ Lock for main leaf, with cylinder bore and keyhole for patent keys.
- ❑ Self-locking mechanism with built-in release lever on secondary door leaf.
- ❑ Cavity for lock on secondary leaf also suitable for emergency-handle lock.
- ❑ Safety bolt in hinge-side leaf edge.
- ❑ Black safety handle with steel core, supplied with plates, cylinder bore and keyholes for patent keys.
- ❑ 4 hinges, one per leaf with spring for the self-closing and one ball-bearing hinge with screws for the vertical adjustment.
- ❑ Closing regulator to ensure correct closing sequence.
- ❑ Strengthening plates inside door leaf for fastening door closer and emergency handle if required.
- ❑ Thermoexpanding gasket inserted in appropriate cavity in frame and in the vertical joint of leaves.
- ❑ Floor catch set with 3 screws/dowels to fix on finished floor
- ❑ Identification plate on door edge.
- ❑ Epoxy-polyester oven-baked powder coated with anti-scratch beaten finish - light pastel turquoise for door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaves is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaves by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❑ For minimum and maximum dimensions possible please see page "models/certificates".
  890 (540 + 350) - 2252 (1126 + 1126) x 1775 - 2275
  1962 (996 + 996) - 2540 (1270 + 1270) x 2050 - 2500
- ❑ Weight approx. 45 kg/m² wall opening.

Cylinder and weather stripping are supplied only upon request. Should the door be repainted the instructions outlined on the "surface treatment" page must be followed.
FFL = Finished floor level.
Plasterboard walls consisting of : metal mesh in galvanized steel with "U" guide profile 75 x 40 mm, vertical structural profiles in "C" form 75 x 47 mm (doubled against the door frame), both sides and the frame profiles are covered with a single skin plasterboard model KNAUF GKF AK fireproof with a thickness of 12,5 mm.

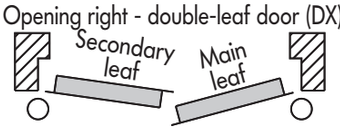


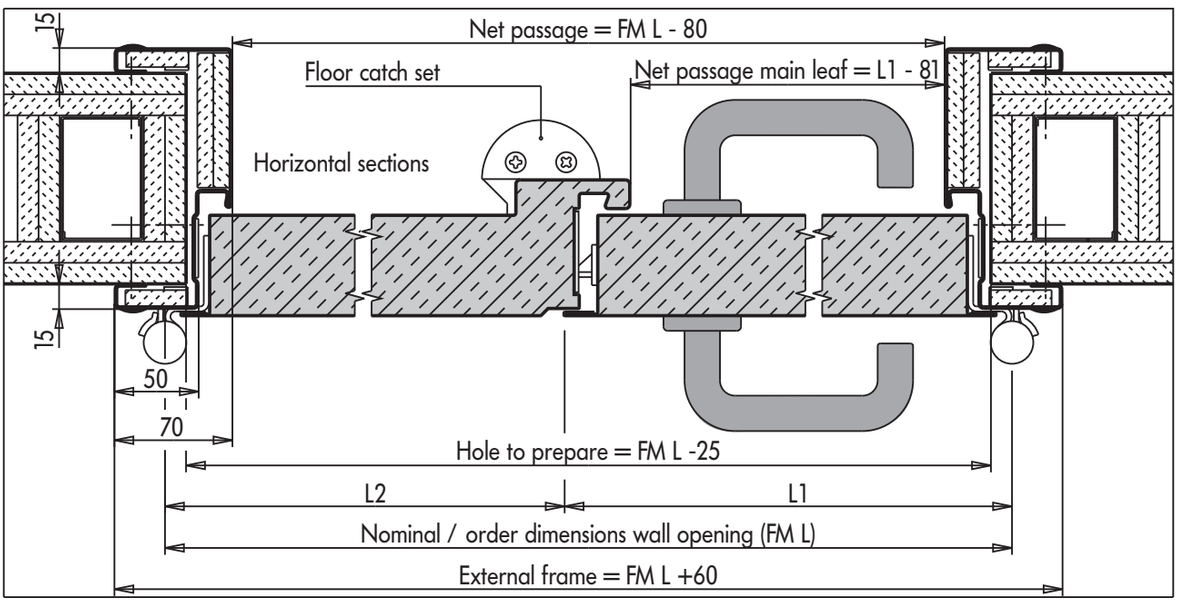


Opening left - double-leaf door (SX)



Opening right - double-leaf door (DX)





NINZ® FIREDOORS

DIMENSIONS

Proget single-leaf doors

Single-leaf STANDARD doors					
WALL OPENING		NET PASSAGE		EXTERNAL FRAME	
width $^{+20}_{+10}$	height $^{+15}_{+5}$	width	height	width	height
800	2000	720	1960	860	2030
900	2000	820	1960	960	2030
1000	2000	920	1960	1060	2030
1300	2000	1220	1960	1360	2030
800	2050	720	2010	860	2080
900	2050	820	2010	960	2080
1000	2050	920	2010	1060	2080
1200	2050	1120	2010	1260	2080
1300	2050	1220	2010	1360	2080
1340	2050	1260	2010	1400	2080
800	2150	720	2110	860	2180
900	2150	820	2110	960	2180
1000	2150	920	2110	1060	2180
1200	2150	1120	2110	1260	2180
1300	2150	1220	2110	1360	2180
1340	2150	1260	2110	1400	2180

DIMENSIONS

Proget single-leaf doors

Single-leaf SEMISTANDARD doors										
WALL OPENING				NET PASSAGE				EXTERNAL FRAME			
width $^{+20}_{+10}$			height $^{+15}_{+5}$	width		height		width		height
min.		max.		min.		max.		min.		max.	
500	546	795	2000	420	466	715	1960	560	606	855	2030
805		895	2000	725		815	1960	865		955	2030
905		995	2000	825		915	1960	965		1055	2030
500	546	795	2050	420	466	715	2010	560	606	855	2080
805		895	2050	725		815	2010	865		955	2080
905		995	2050	825		915	2010	965		1055	2080
500	546	795	2150	420	466	715	2110	560	606	855	2180
805		895	2150	725		815	2110	865		955	2180
905		995	2150	825		915	2110	965		1055	2180

Single-leaf doors TO ORDER																	
WALL OPENING						NET PASSAGE				EXTERNAL FRAME							
width $^{+20}_{+10}$			height $^{+15}_{+5}$			width		height			width			height			
min.		max.	min.		max.	min.		max.	min.		max.	min.		max.	min.		max.
500	546	1340	800	1775	2670	420	466	1260	760	1735	2630	560	606	1400	830	1805	2700

Dimensions for multipurpose doors only

H min. 800 only for Proget Multipurpose doors.
H min. 1775 only for Proget fire rated doors.
The tollerances to be applied on doors REI 60 and REI 120 for walled installation.
It is not possible to produce doors with height less than width.

In case of doors to be installed on concealed frame (REI120, REI 60, or multipurpose) the wall opening dimension is the dimension which should be ordered (nominal dimension); the real wall opening is that which takes the encumbrance of the concealed frame into account.

Doors REI 120 with dimensions FM L 891-1340 x FM H 2381-2670 are indicated CP1.

The customer must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (= wall opening 2040 mm).

The dimensions of REI doors to be applied in plasterboard walls as well as the version to be screw fixed are limited according to the specifications on the page "models/certificates".

The dimension of the fixing holes to be made on the plasterboard wall where clamp profiles are used, do not correspond to the wall opening ordered and must be prepared in accordance with the appropriate technical information sheet.

The dimensions of doors are limited according to the specifications on the page "models/certificates".

Double-leaf STANDARD doors								
WALL OPENING		LEAF DIVISION		NET PASSAGE			EXTERNAL FRAME	
width $^{+20}_{+10}$	height $^{+15}_{+5}$	main L1	second. L2	width		height	width	height
				total	main			
1150	2000	800	350	1070	719	1960	1210	2030
1200	2000	800	400	1120	719	1960	1260	2030
1250	2000	800	450	1170	719	1960	1310	2030
1250	2000	900	350	1170	819	1960	1310	2030
1300	2000	900	400	1220	819	1960	1360	2030
1350	2000	900	450	1270	819	1960	1410	2030
1350	2000	1000	350	1270	919	1960	1410	2030
1400	2000	1000	400	1320	919	1960	1460	2030
1450	2000	1000	450	1370	919	1960	1510	2030
1600	2000	800	800	1520	719	1960	1660	2030
1700	2000	900	800	1620	819	1960	1760	2030
1800	2000	900	900	1720	819	1960	1860	2030
1800	2000	1000	800	1720	919	1960	1860	2030
1900	2000	1000	900	1820	919	1960	1960	2030
2000	2000	1000	1000	1920	919	1960	2060	2030
1150	2050	800	350	1070	719	2010	1210	2080
1200	2050	800	400	1120	719	2010	1260	2080
1250	2050	800	450	1170	719	2010	1310	2080
1250	2050	900	350	1170	819	2010	1310	2080
1300	2050	900	400	1220	819	2010	1360	2080
1350	2050	900	450	1270	819	2010	1410	2080
1350	2050	1000	350	1270	919	2010	1410	2080
1400	2050	1000	400	1320	919	2010	1460	2080
1450	2050	1000	450	1370	919	2010	1510	2080
1600	2050	800	800	1520	719	2010	1660	2080
1700	2050	900	800	1620	819	2010	1760	2080
1800	2050	900	900	1720	819	2010	1860	2080
1800	2050	1000	800	1720	919	2010	1860	2080
1900	2050	1000	900	1820	919	2010	1960	2080
2000	2050	1000	1000	1920	919	2010	2060	2080
1150	2150	800	350	1070	719	2110	1210	2180
1200	2150	800	400	1120	719	2110	1260	2180
1250	2150	800	450	1170	719	2110	1310	2180
1250	2150	900	350	1170	819	2110	1310	2180
1300	2150	900	400	1220	819	2110	1360	2180
1350	2150	900	450	1270	819	2110	1410	2180
1350	2150	1000	350	1270	919	2110	1410	2180
1400	2150	1000	400	1320	919	2110	1460	2180
1450	2150	1000	450	1370	919	2110	1510	2180
1600	2150	800	800	1520	719	2110	1660	2180
1700	2150	900	800	1620	819	2110	1760	2180
1800	2150	900	900	1720	819	2110	1860	2180
1800	2150	1000	800	1720	919	2110	1860	2180
1900	2150	1000	900	1820	919	2110	1960	2180
2000	2150	1000	1000	1920	919	2110	2060	2180

DIMENSIONS

Proget double-leaf doors

Double-leaf SEMISTANDARD doors									
WALL OPENING			LEAF DIVISION				NET PASSAGE		
width $^{+20}_{+10}$		height $^{+15}_{+5}$	main L1		secondary L2		total width		height
min.	max.		min.	max.	min.	max.	min.	max.	
890	2000	2000	540	1000	350	1000	810	1920	1960
890	2000	2050	540	1000	350	1000	810	1920	2010
890	2000	2150	540	1000	350	1000	810	1920	2110

Double-leaf doors TO ORDER																
WALL OPENING						LEAF DIVISION				NET PASSAGE						
width $^{+20}_{+10}$			height $^{+15}_{+5}$			main L1		secondary L2		width			height			
min.		max.	min.		max.	min.	max.	min.	max.	min.		max.	min.		max.	
850	890	2540	800	1775	2670	500	540	1270	350	1270	770	810	2460	760	1735	2630

Dimensions for multipurpose doors only

H min. 800 only for Proget Multipurpose doors.
H min. 1775 only for Proget fire rated doors.

Doing the following calculation you obtain the external frame dimensions:
width = wall opening +60 height = wall opening +30

The tollerances to be applied on doors REI 60 and REI 120 for walled installation.

It is not possible to produce doors with height less than width.

In case of doors to be installed on concealed frame (REI120, REI 60 or multipurpose) the wall opening dimension is the dimension which should be ordered (nominal dimension); the real wall opening is that which takes the encumbrance of the concealed frame into account.

Doors REI 120 with dimensions FM L 1761-2540 x FM H 2381-2670 are indicated CP1.

The customer must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (= wall opening 2040 mm).

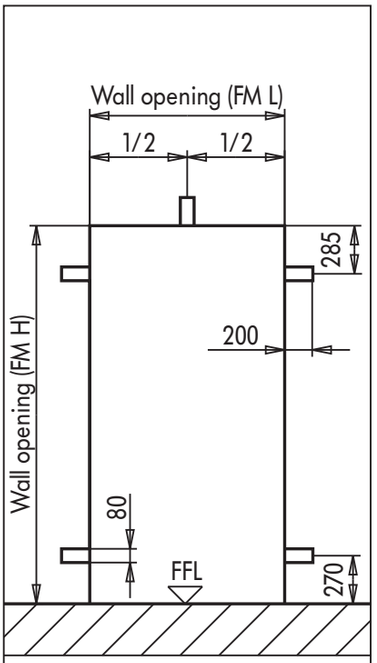
The dimensions of REI doors to be applied in plasterboard walls as well as the version to be screw fixed are limited according to the specifications on the page "models/certificates".

The dimension of the fixing holes to be made on the plasterboard wall where clamp profiles are used, do not correspond to the wall opening ordered and must be prepared in accordance with the appropriate technical information sheet.

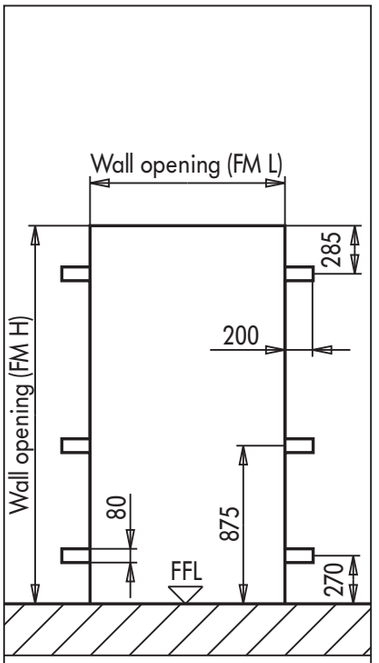
The dimensions of doors are limited according to the specifications on the page "models/certificates".

POSITIONS OF BRACKETS

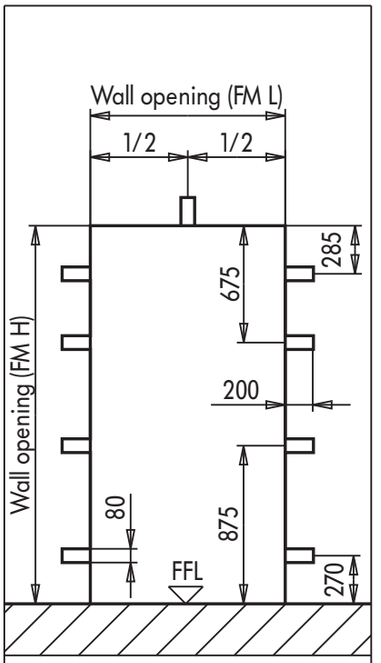
Proget doors to be set by mortar



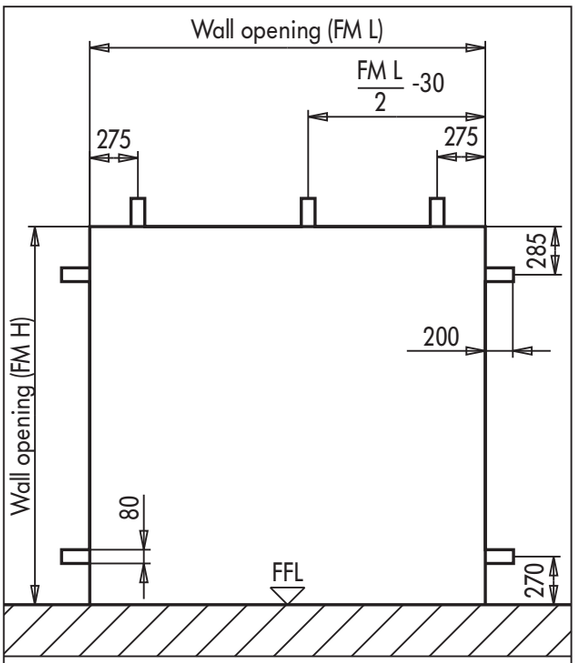
Single-leaf door
FM L= 500-1340 x FM H= 800-1749



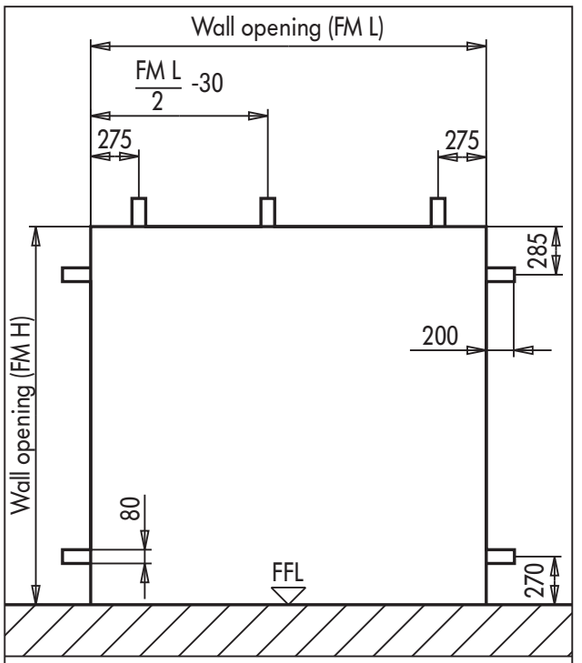
Single-leaf door
FM L= 500-1035 x FM H=1750-2200



Single-leaf door
FM L=500-1340 x FM H=2201-2670
FM L=1036-1340 x FM H=1750-2200



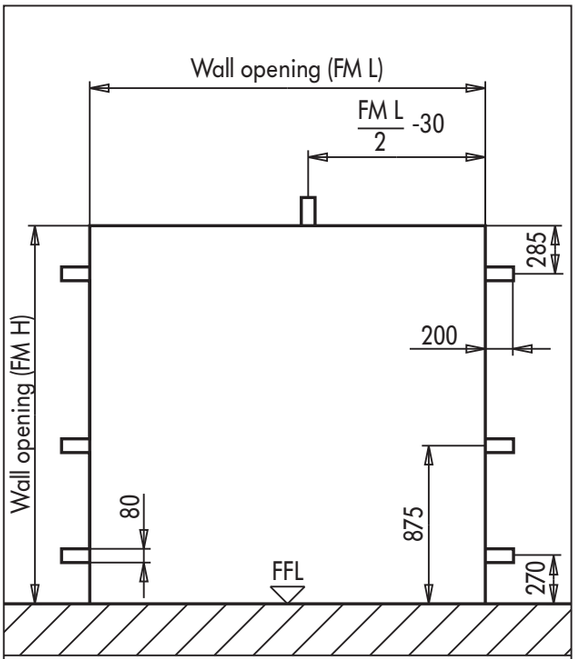
Double-leaf door FM L= 850-2540 x FM H= 800-1749
opening DX right



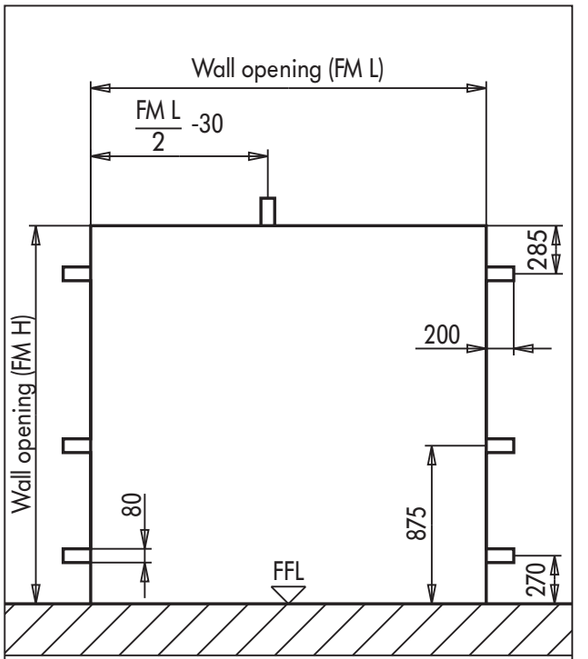
Double-leaf door FM L= 850-2540 x FM H= 800-1749
opening SX left

POSITIONS OF BRACKETS

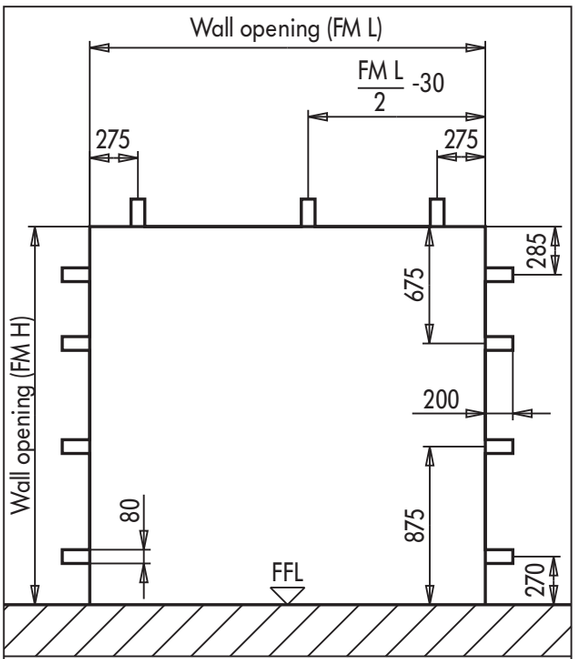
Proget doors to be set by mortar



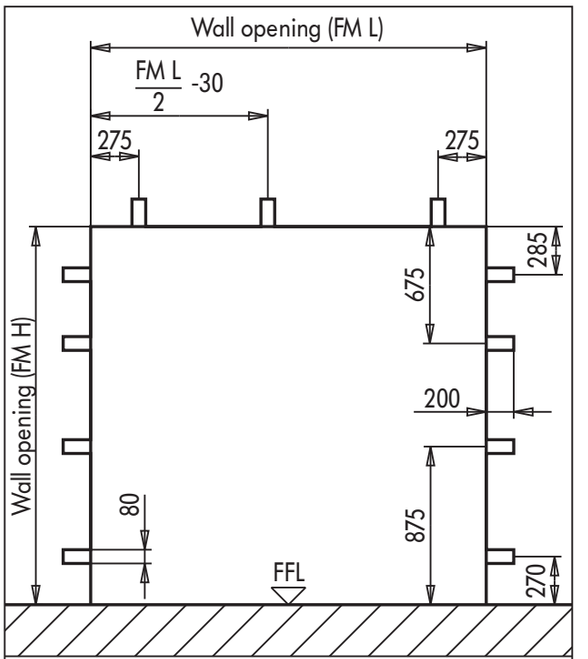
Double-leaf door FM L= 850-2070 x FM H=1750-2200
opening DX right



Double-leaf door FM L= 850-2070 x FM H=1750-2200
opening SX left

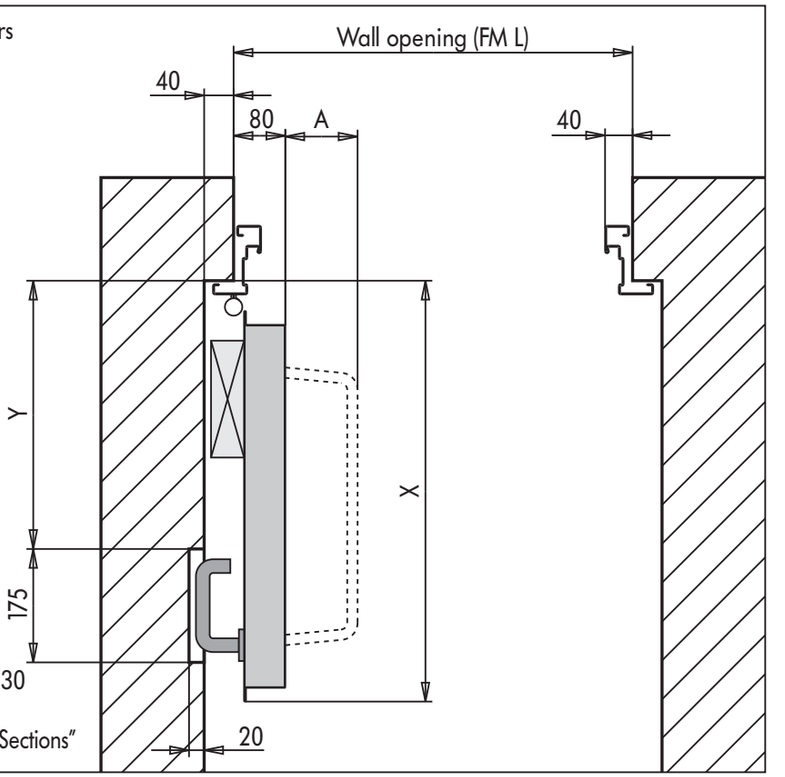


Double-leaf door FM L=850-2540 x FM H=2201-2670
FM L=2071-2540 x FM H=1750-2200 opening DX right



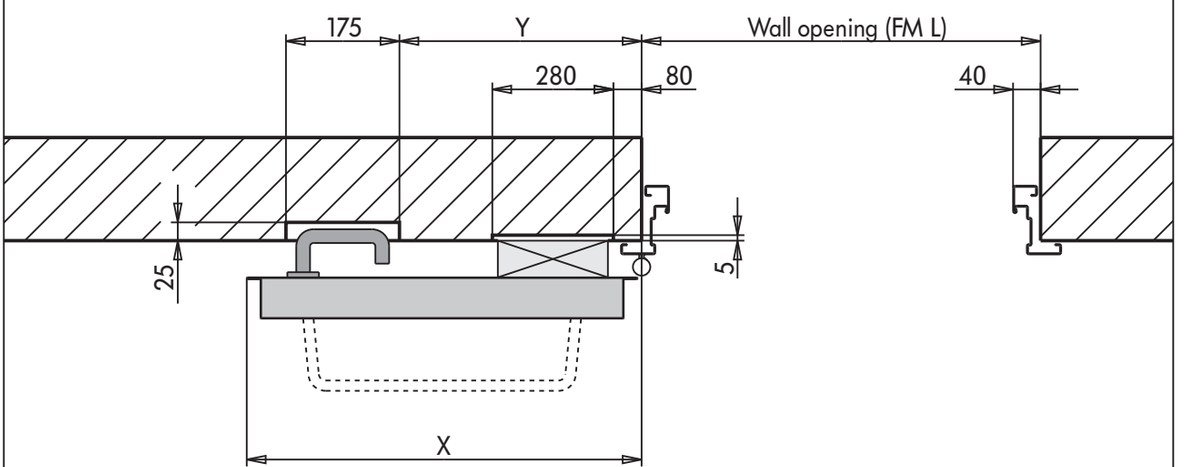
Double-leaf door FM L=850-2540 x FM H=2201-2670
FM L=2071-2540 x FM H=1750-2200 opening SX left

Maximum dimensions for single-leaf doors
opening to 90°



X = FM L +27
Y = FM L -200
A emergency handle TWIST = 110
A emergency handle SLASH = 75
A emergency handle TAURUS INOX = 130
A emergency handle TOUCH BAR = 74
Height of handle see page "Specifications/Sections"

Maximum dimensions for single-leaf doors
opening to 180°

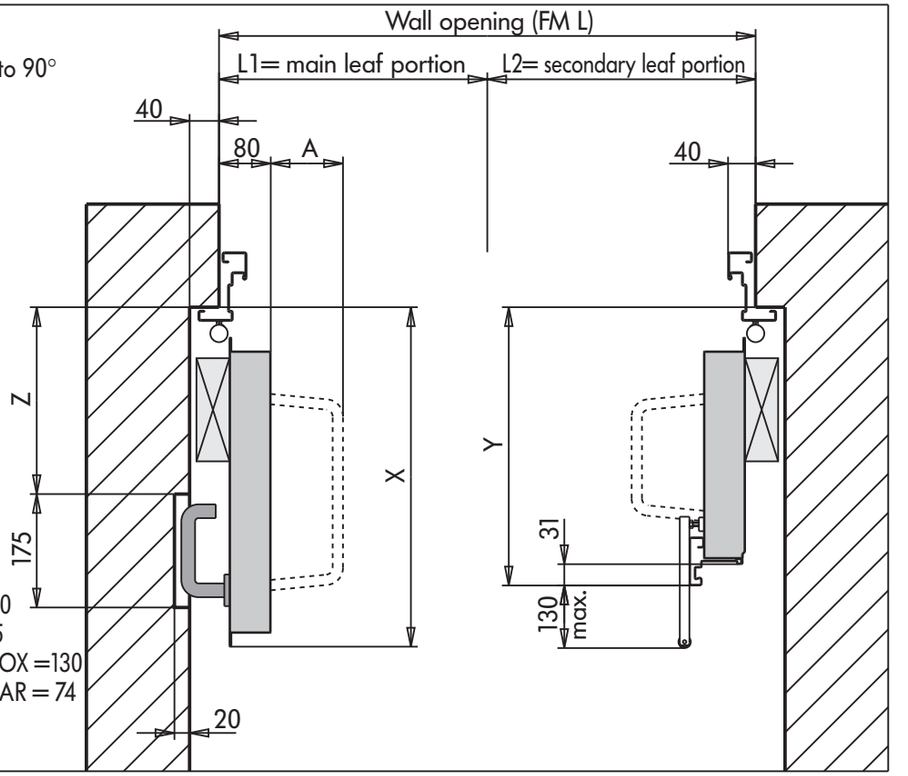


X = FM L -7
Y = FM L -233
Height of handle see page "Specifications/Sections"
Door with CP2 not openable to 180°

ENCUMBRANCES

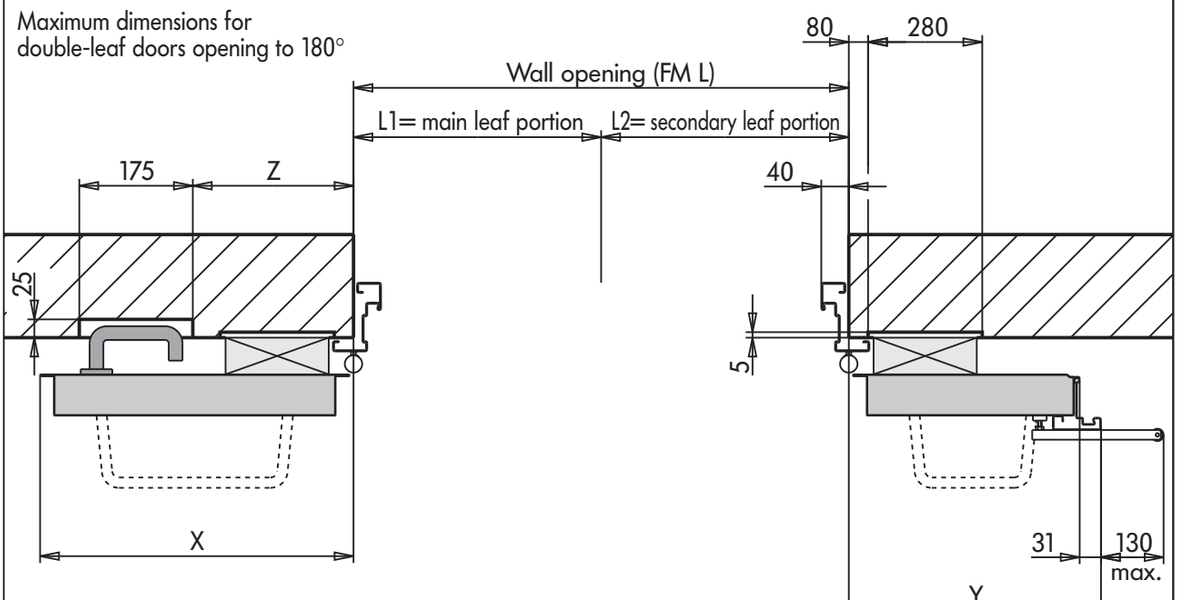
Proget double-leaf doors

Maximum dimensions for
double-leaf doors opening to 90°



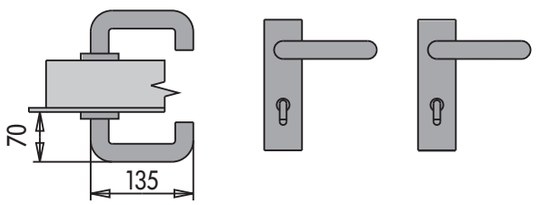
X = L1 +35
Y = L2 +75
Z = L1 -193
A emerg. handle TWIST = 110
A emerg. handle SLASH = 75
A emerg. handle TAURUS INOX =130
A emerg. handle TOUCH BAR = 74
Height of handle see page
"Specifications/ Sections"

Maximum dimensions for
double-leaf doors opening to 180°

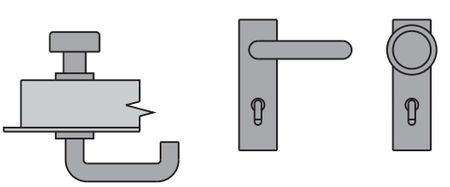


X = L1 +1
Y = L2 +42
Z = L1 -226
Height of handle see page "Specifications/ Sections"
Door with CP2 or RC2 not openable to 180°

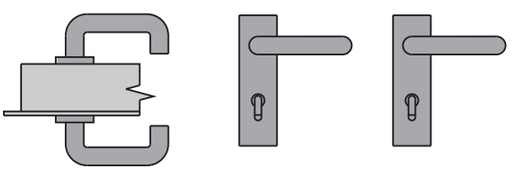
M 1



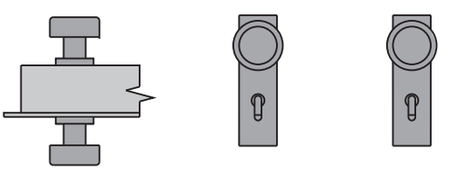
M 2



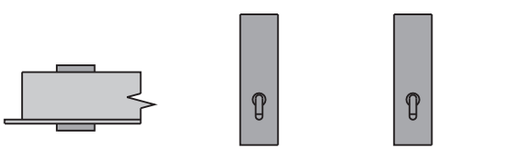
* M 3 emergency handle



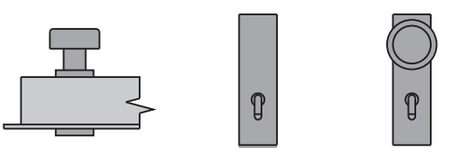
M 4



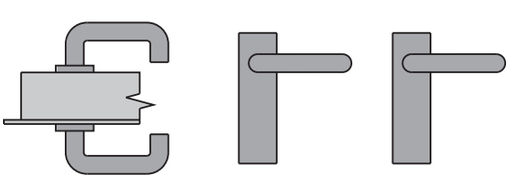
M 5



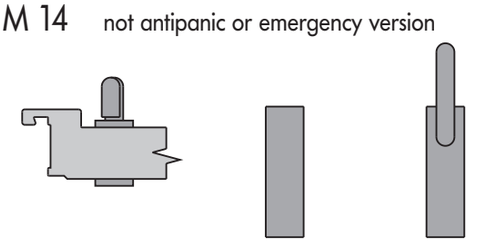
M 9



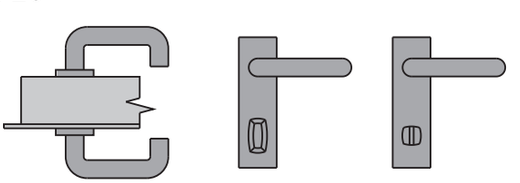
M 11



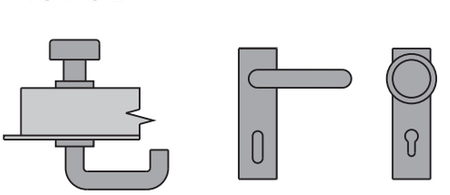
M 14 not antipanic or emergency version



M 20



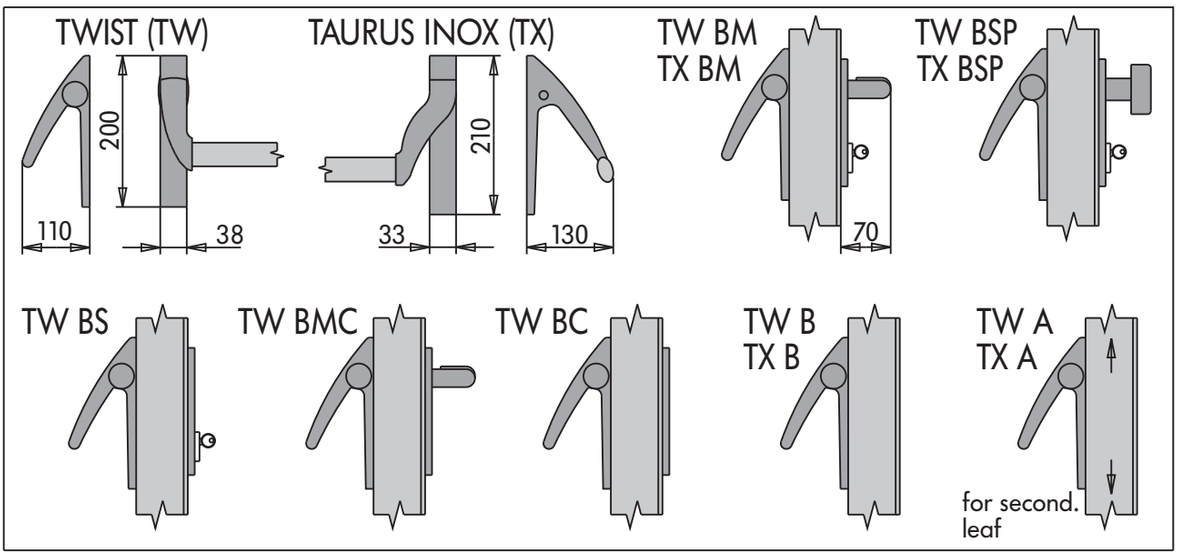
** HOT CIL

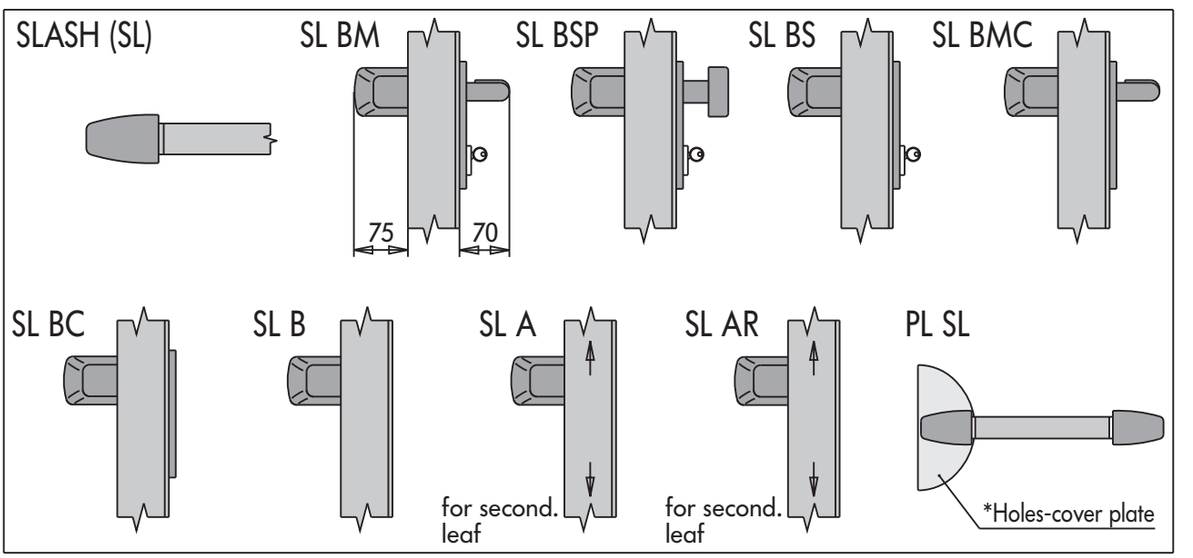


All doors are fitted with **M1** black plastic handles with steel core. The alternative versions illustrated above can be supplied at request. Handles are classified as accessories and are supplied not installed. **The handles M1 and M2 can also be supplied in stainless steel with a satin finish and rounded cover plate.**
The models M2, M4, M5, M9 e HOT CIL can not be combined with three point locks.
* Door handle combined with anti-panic push hardware
** Handle to combine with pull anti-panic lock for hotel rooms.

ACCESSORIES

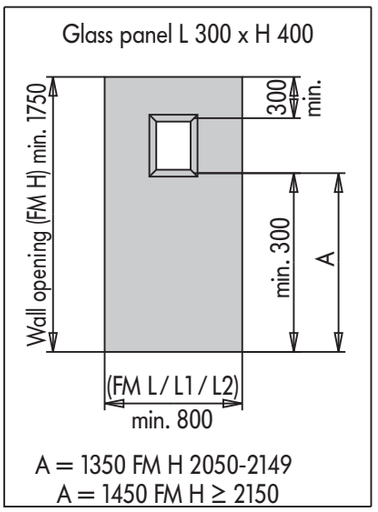
Emergency handles

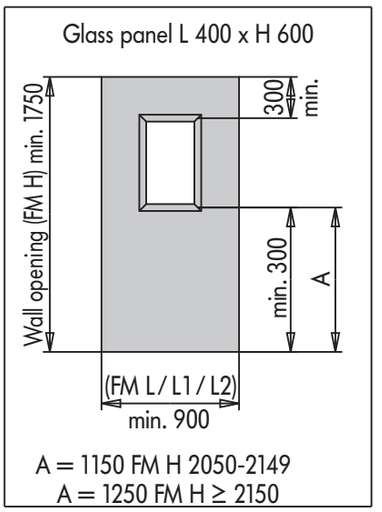


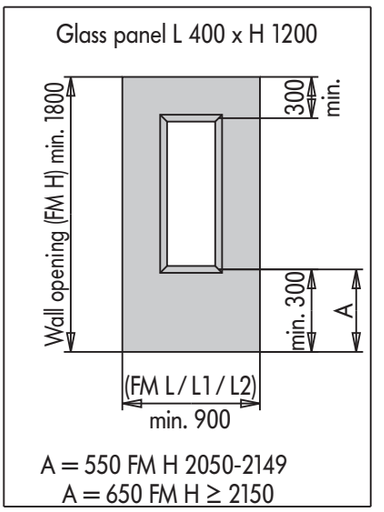


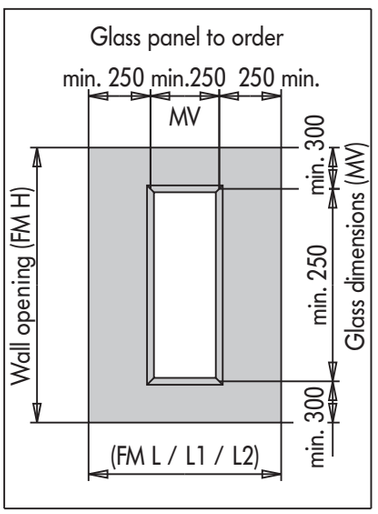
Emergency **Twist (TW)** and **Slash (SL)** handles, with lock inside door leaf, two control boxes with plastic rods and steel core, black, bar in natural anodized aluminium. Versions available: **BM - BSP - BS - BMC - BC** and **B** suitable for single-leaf doors or main leaves.
The version **A** emergency handle is suitable only for use with secondary door leaves without external operation; the locking mechanism consisting of upper and lower closing rods and the appropriate lock are hidden out of sight inside the secondary leaf.
Secondary leaves with dimension L2 ≥ 350 and < 500 can be fitted with handle **SL AR** with reduced control box. Emergency handles are supplied not installed, leaves prepared. The holes cover plate has to be ordered seperately.
* The external cover plate for the PROGET door should be ordered purpose made.
Anti-panic handles **Taurus stainless stell (TX),** with lock on the interior side of the door leaf, two control boxes and bar in stainless steel and steel core. Models **BM – BSP** and **B** to be applied on single leaf doors or principal door leaves, model **A** is only appropriate for secondary door leaves with no external function.
The models TW BSP, TW BS, TX BSP, SL BSP e SL BS can not be combined with three point locks.

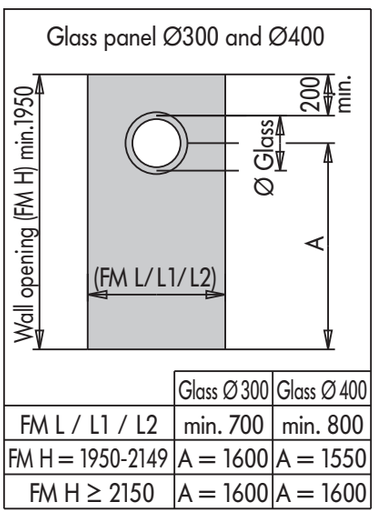
GLASS PANELS
Proget MULTIPURPOSE doors









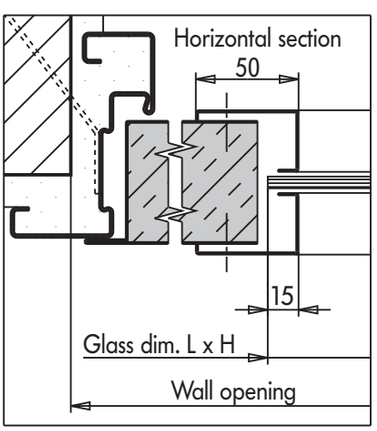


	Glass Ø 300	Glass Ø 400
FM L / L1 / L2	min. 700	min. 800
FM H = 1950-2149	A = 1600	A = 1550
FM H ≥ 2150	A = 1600	A = 1600

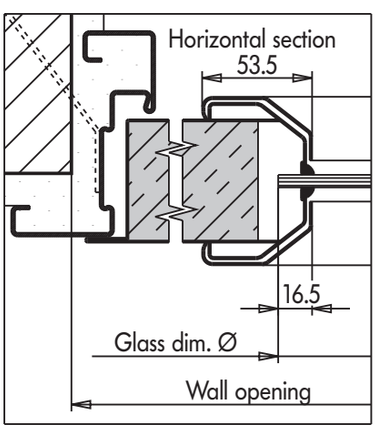
If requested **rectangular glass** panels complete with screw-in holding frames may be fitted to both single-leaf and double-leaf multipurpose doors. Dimensions may be standard, as illustrated above, or to order, as long as the prescribed edge dimensions are respected. The term „edge" refers to the distance between the structural opening of the door and the glass in its frame.

Types of glass available:

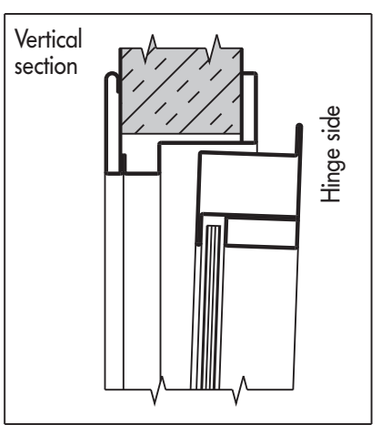
Float transparent	5 mm
Wired translucent	6,5 mm
Wired polished transparent	6,5 mm
Safety laminated (4+4)	8 mm
Safety laminated (3+3)	6 mm



Multipurpose rectangular window.



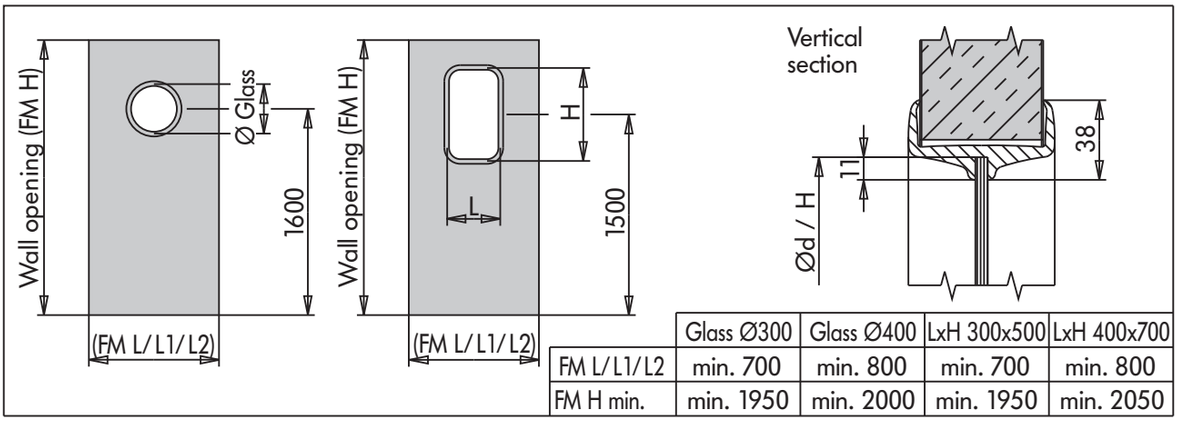
Multipurpose circular window



Tiltable window with wired glass 6,5 mm thickness with frame painted like door (dimension 400 x 600mm).

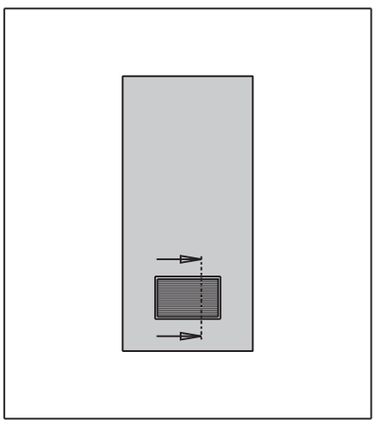
GLASS PANELS/PLASTIC LOUVRE

Proget MULTIPURPOSE doors

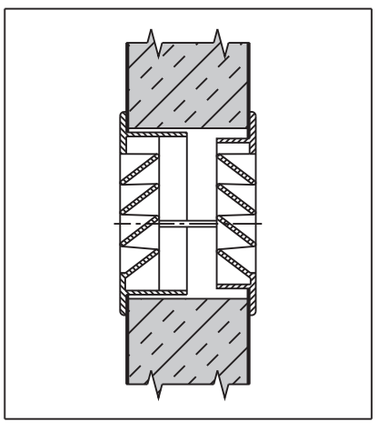


	Glass Ø300	Glass Ø400	LxH 300x500	LxH 400x700
FM L/L1/L2	min. 700	min. 800	min. 700	min. 800
FM H min.	min. 1950	min. 2000	min. 1950	min. 2050

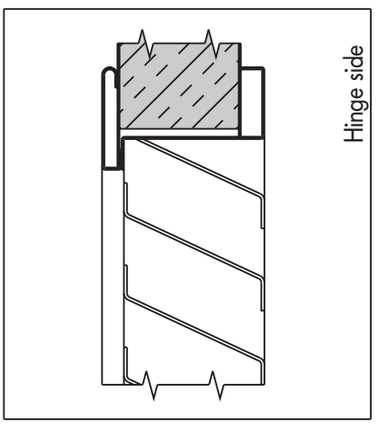
Vision panel for single and double leaf PROGET doors made with rubber EPDM outer profile black colour and laminated 3+3 transparent safety glass.



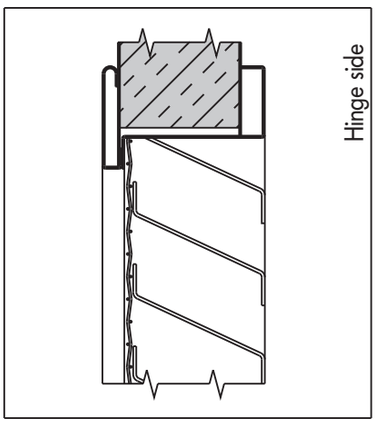
Ventilation louvre for multipurpose doors of special or standard dimensions made of steel and varnished like the leaf.



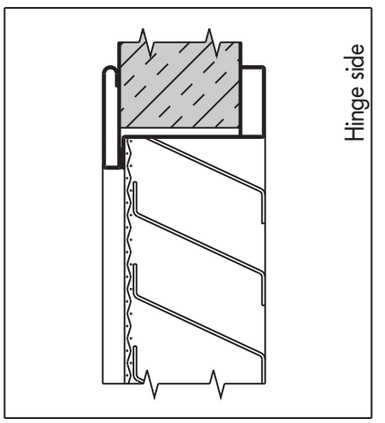
Ventilation louvre black or white, dimensions 482 x 99 mm (air passage approx. 150 cm²).



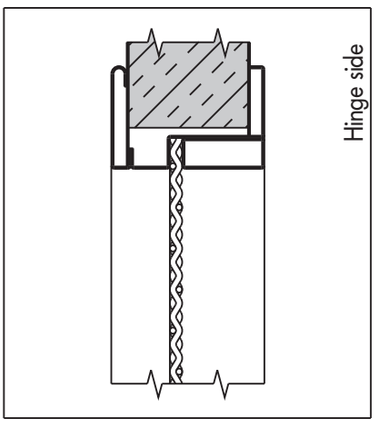
Steel louvre



Steel louvre + bird mesh
(net 11 x 11 x 1 mm)



Steel louvre + insect mesh
(net 5 x 5 x 0.5 mm)

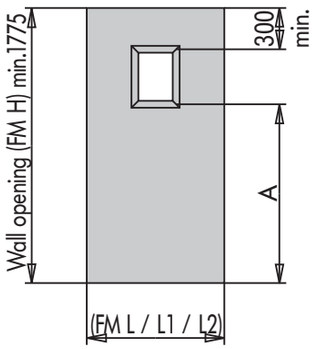


Bird mesh (net 16 x 16 x 3 mm)

GLASS PANELS

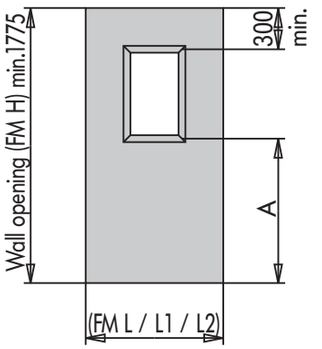
Proget REI 60 and REI 120 doors

Glass panel L 300 x H 400 REI 60 or REI 120



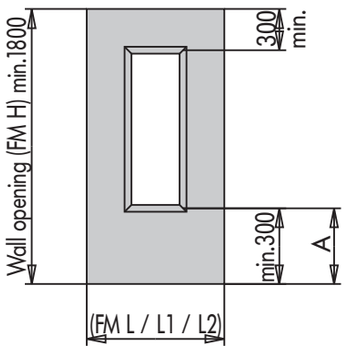
A = 1350 FM H 2050-2149
A = 1450 FM H ≥ 2150

Glass panel L 400 x H 600 REI 60 or REI 120



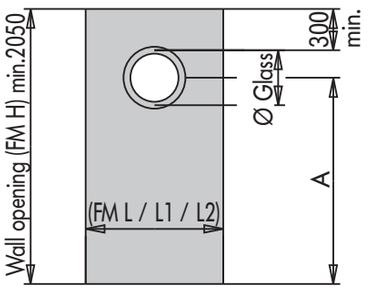
A = 1150 FM H 2050-2149
A = 1250 FM H ≥ 2150

Glass panel L 400 x H 1200 REI 60 or REI 120



A = 550 FM H 2050-2149
A = 650 FM H ≥ 2150

Glass panel Ø300 and Ø400 REI 60 or REI 120



	Glass Ø300	Glass Ø400
FM L / L1 / L2	min. 900	min. 1000
FM H = 2050-2149	A = 1600	A = 1550
FM H ≥ 2150	A = 1600	A = 1600

If requested rectangular glass (REI 60 or REI 120) panels with screw-in holding frames may be fitted to both single- and double-leaf firedoors. Dimensions may be standard, as illustrated above, or else to order, with regard to the dimensional limitations of this glass the dimensions of the edge should also be taken into consideration in accordance with the specifications on the "models/certificates" page of current catalogue. The term edge refers to the distance between the structural opening of the door and the glass in its frame. The glass panels are supplied mounted and sealed. Circular windows can be applied to doors prepared for screw fixing and those fitted with clamp frames for installation in plasterboard walls. For trouble-free operation we recommend the fitting of a door closer to all doors containing glass panels of more than 0,25 m^2 surface area.

The fitting of a door closer is compulsory if the result of the following formulae is exceeded:

door width x door height x 35 + (width x height window x 17) * = max. 140 for REI 60 doors
door width x door height x 45 + (width x height window x 84) ** = max. 140 for REI 120 doors

The values to be entered in the calculation table are lineal metres

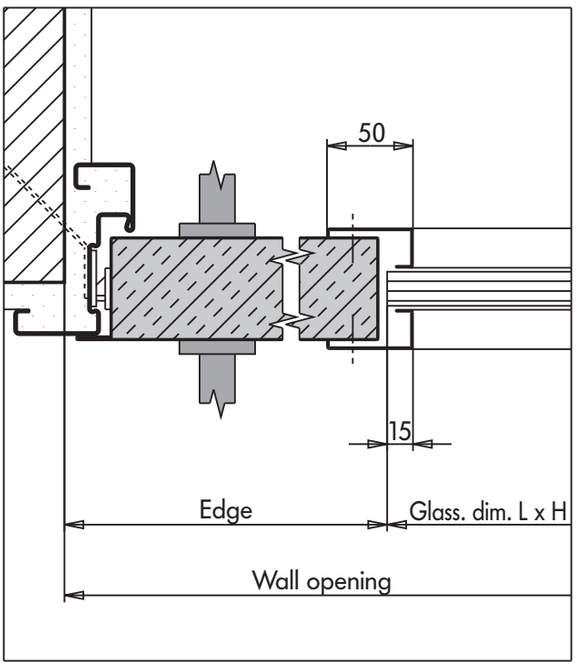
For circular windows insert the following values :

* for circular windows Ø 300 = 2, for circular windows Ø 400 = 3; for doors REI 60
** for circular windows Ø 300 = 6, for circular windows Ø 400 = 10; for doors REI 120

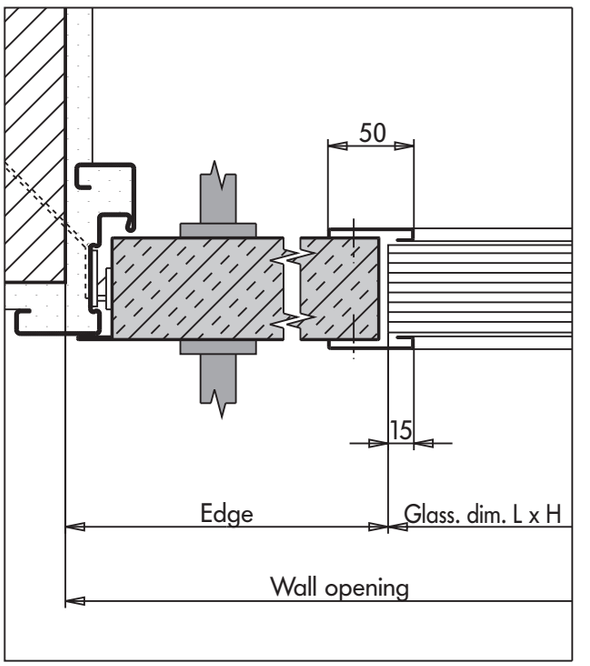
The dimensions of glass panels have to be re-considered when used together with SLASH emergency handles.
Caution: REI glass panels become opaque if exposed to the sun-rays or other atmospheric agents, both during storing and installation.
Fire rated glass, due to its production process, may have some aesthetic defects which cannot be claimed by the customer.

SECTIONS-GLASS PANELS

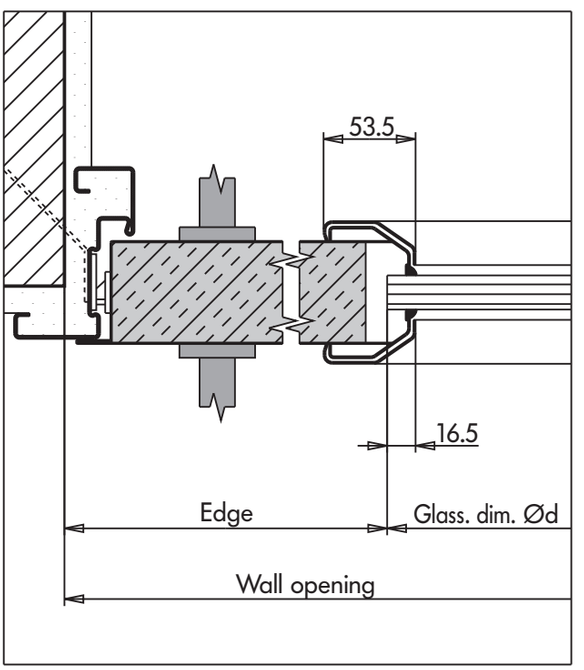
Proget REI 60 and REI 120 doors



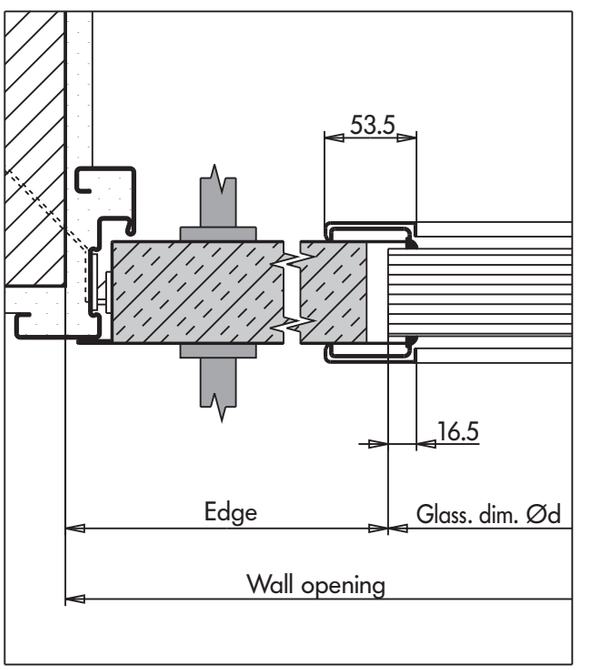
Horizontal section of **rectangular window** with REI 60 glass



Horizontal section of **rectangular window** with REI 120 glass



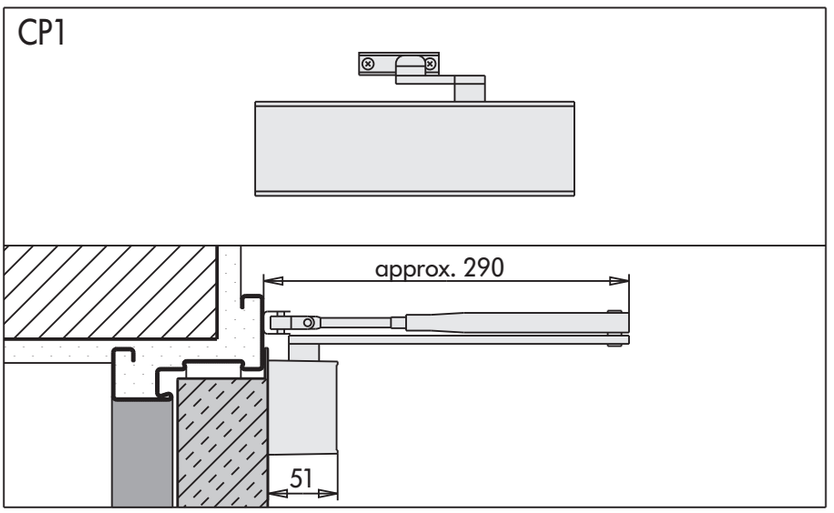
Horizontal section of **circular window** with REI 60 glass



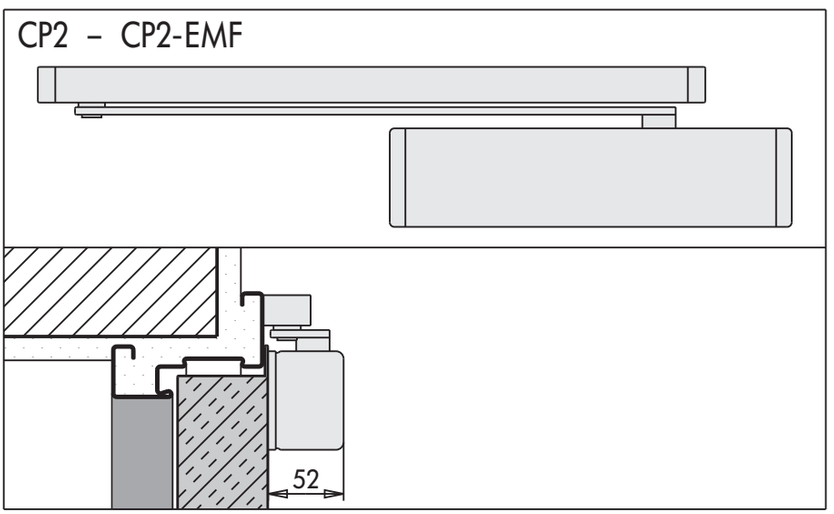
Horizontal section of **circular window** with REI 120 glass

ACCESSORIES

Door closer and carrier arm for Proget doors



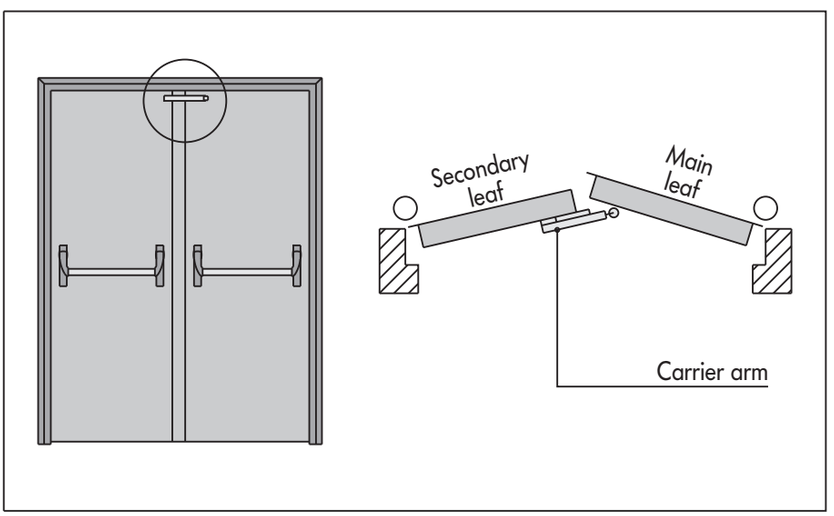
CP1 rack-operated over-head door closer with dual regulation, for closing speed and for closing impact. Colour silver. Tension adjustable from 3 to 4.



CP2 rack-operated over-head door closer with rail and closing-speed regulation. Colour silver. Strenght EN 4.

Doors ordered with **CP2** are supplied with holes for the application of a door closer on the door leaf and guide rail on the frame, the accessories themselves are supplied packed for installation on site. **NB.** The maximum leaf-opening = 170°

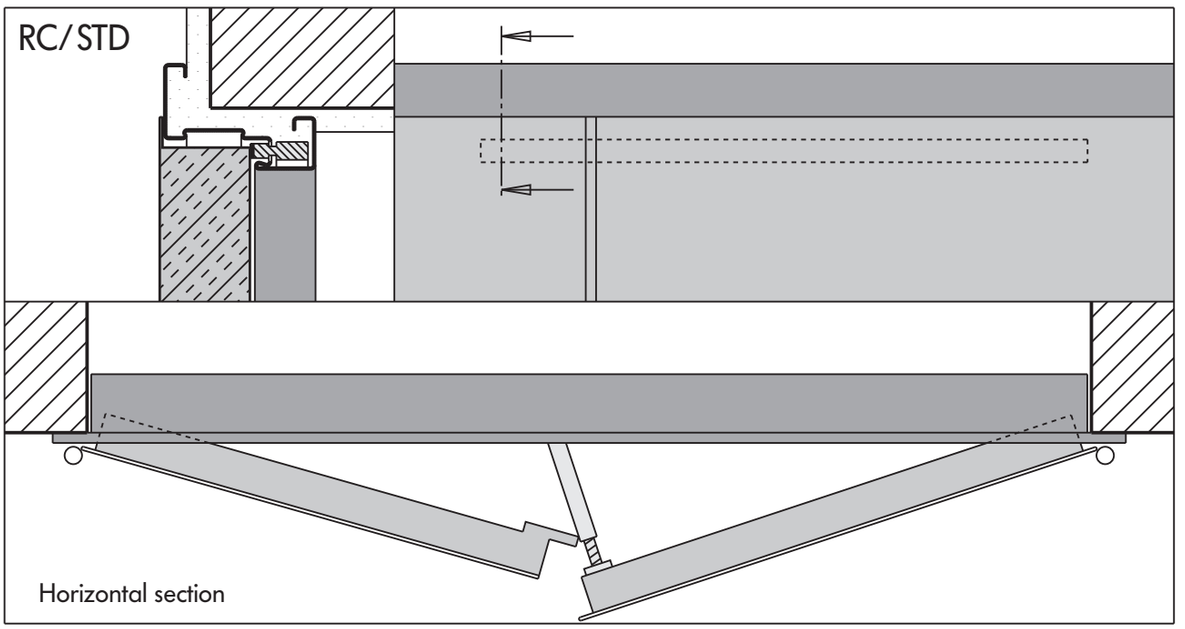
Door closer **CP2-EMF** has, compared to CP2, an electromagnetic blocking device which permits the fixing of the door leaf in an open position and regulates the angle of closing from 80° to 120° max.



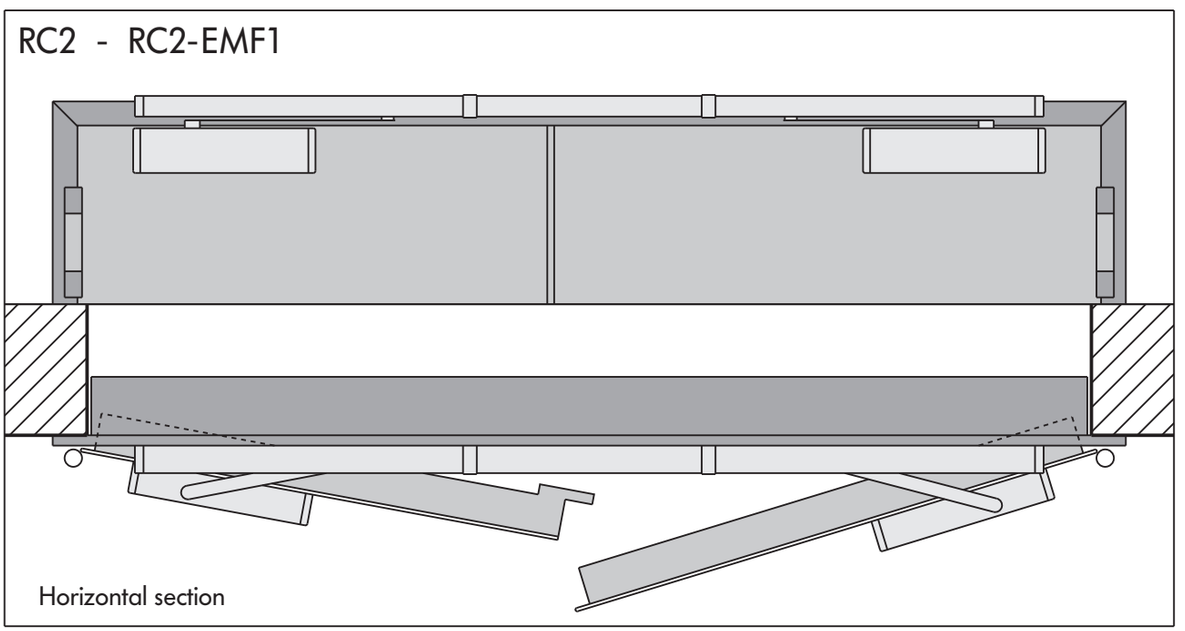
Firedoors prepared for the fitting of M14 handles or TW A or SL A emergency handles are supplied with a **carrier arm** (not installed) which activates the closing regulator if only the secondary leaf is pushed.

ACCESSORIES

Sequencers for Proget doors



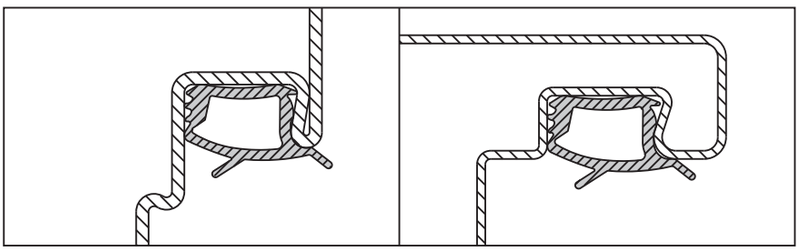
RC/STD closing regulator (sequencer) with built-in impact damper for double-leaf doors. Inserted in weather stripping cavity in frame head.



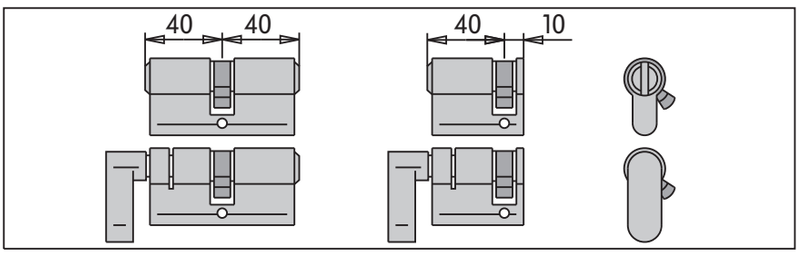
RC2 closing regulator, complete set of 2 CP2 rack-operated door closers with control system incorporated in rail. Minimum wall opening 1200 mm. Colour silver. Strenght EN 4.
Doors ordered with closing regulators are supplied prepared both on leaf and frame.
Closing regulators are classified as accessories and are supplied not installed **NB**. The maximum leaf-opening = 170°.
Closing system **RC2-EMF1** has, compared to RC2, an electro-meccanical blocking device which enables the blocking of the door leaf in the open position.
NB. The blocking point of principal door leaf can be regulated at any position up to 130°, at the same time the secondary leaf can be regulated from 80° to 130° max.

ACCESSORIES

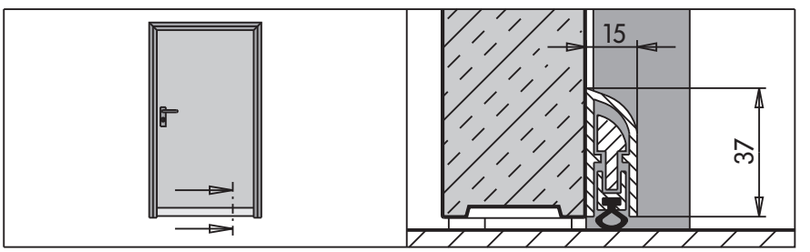
Special accessories for Proget doors



FF black rubber weather stripping to be inserted into the special cavity provided on the frame and on the central jamb of the secondary leaf in the case of double-leaf doors. Supplied only on request and in loose rolls for cutting and fitting on site.

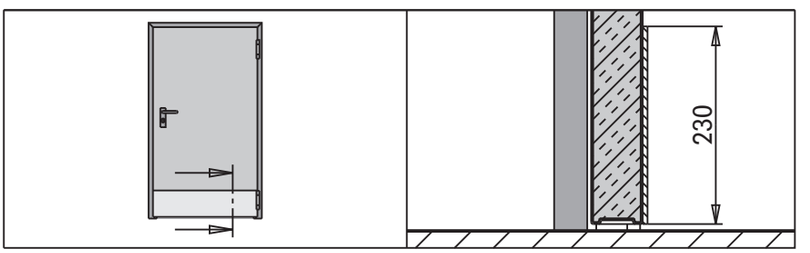


All doors are supplied without **CIL** cylinders. These are supplied only on request or together with emergency handles and HOT CIL handle. Each cylinder comes with 3 keys, either with its own individual number or as part of a system with master key.

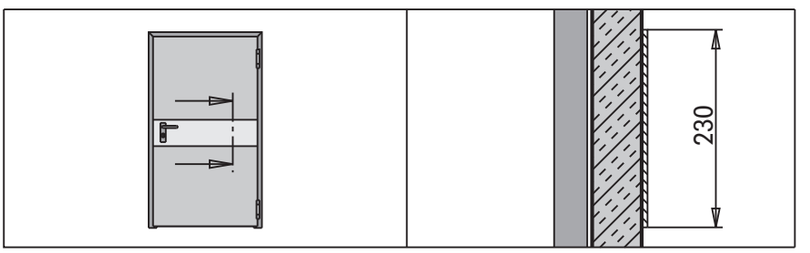


Automatic sill seal to install on the external part of the leaf opposite to the hinges, for better sound insulation.

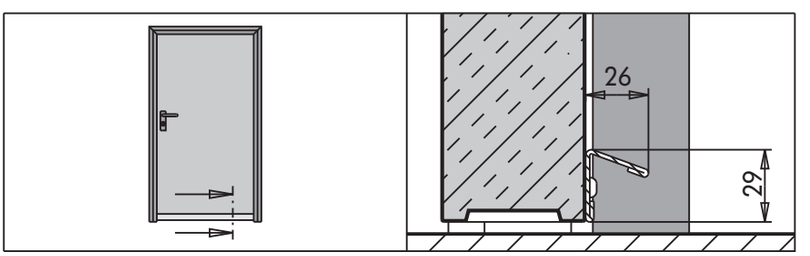
Wall opening max. 1340/main leaf
1270/sec.leaf
Wall opening min. 500/main leaf
406/sec.leaf



Satined stainless steel **INOX** kick-plates, thickness 10/10 mm to be installed with adhesive tape at the bottom part of door.Supplied on request for single and double leaf doors (indicate side of installation).



Satined, stainless steel **INOX** plates, thickness 10/10 mm, to be installed with adhesive tape at the door leaf, at handle height. Supplied on request for single-and double-leaf doors (indicate side of installation).

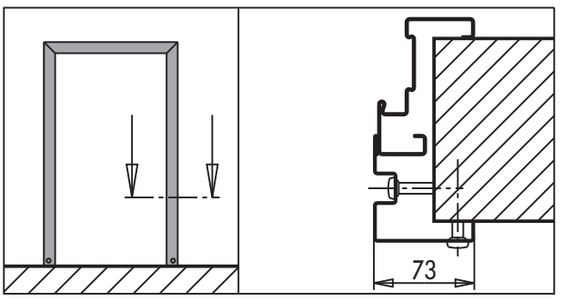


Dropper of galvanised steel-sheet to install externally at bottom part, finishing like door.

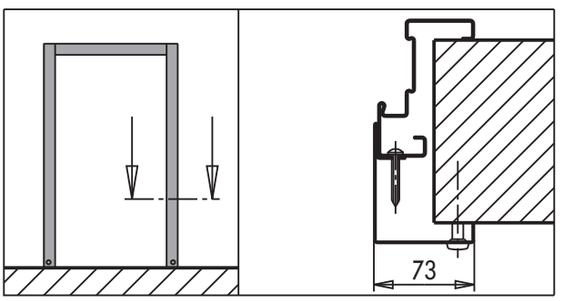
FRAME EXTENSIONS/APPLICATIONS

Proget doors

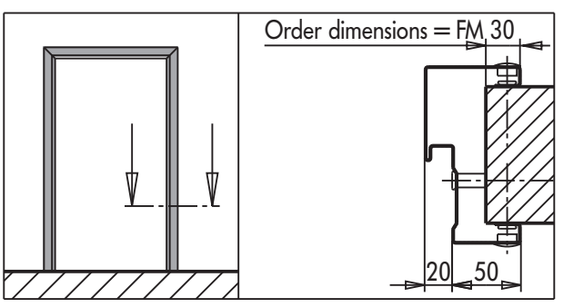
Wall covering galvanized steel glass holding frame parts **IM (1)** which can be assembled with a 45 degree corner joint, with a thickness of 15/10 mm. Thermally powder coated with epoxy polyester with an anti-scratch beaten finish dark pastel turquiose tone (NCS5020-B50G), or RAL finish on request.To be fixed with screws and plugs. Fixing holes prepared on request however delivery is without the necessary screws and plugs. Delivery upon request and does not include screws/expansion screws.



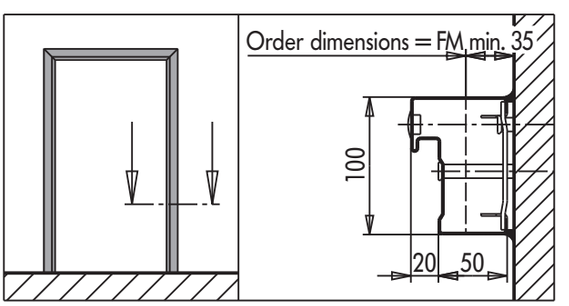
Wall covering galvanized steel glass holding frame parts **IM (4)** which can be assembled with a 90 degree corner joint, with a thickness of 15/10 mm. Thermally powder coated with epoxy polyester with an anti-scratch beaten finish dark pastel turquiose tone (NCS5020-B50G), or RAL finish on request.To be fixed with screws and plugs. Fixing holes prepared on request however delivery is without the necessary screws and plugs. Delivery upon request and does not include screws. Holes are not prepared. We recommend this combination with a closing seal on the finished floor.



Embracing frame made of galvanized steel-sheet profile, with a thickness of 15/10 mm for single and double leaf PROGET multipurpose door. Supplied in 3 pieces with 45° cutted corners to join with screws, finishing with powder coatings, nylon wrapping. Indicate the wall type and the wall thickness in the order form (from 100 to 400mm).



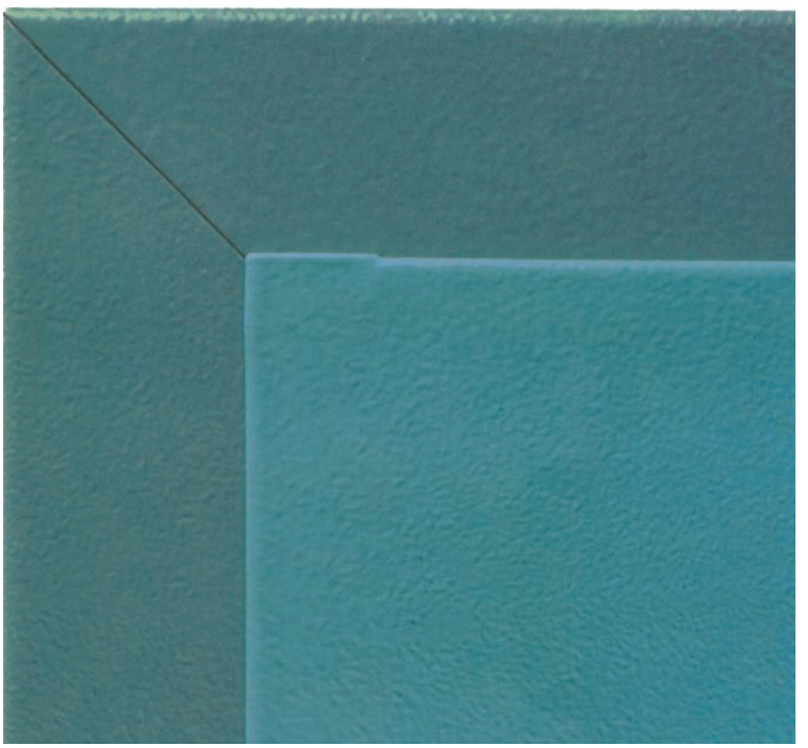
Frame adapted for installation in a wall opening for Multiuso PROGET with one or two doors in galvanised sheet steel with a thickness of 15/10 mm with seals for on-site installation, reinforcement bars, fixing holes and covering plugs.



NINZ® FIREDOORS

SURFACE FINISHING

Proget doors



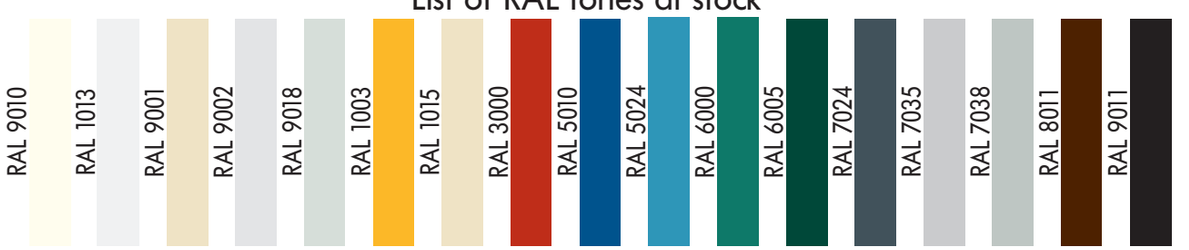
Doors are supplied with paint finish as described herein. The paint is particularly hard-wearing and is characterized by its attractive finish. It is suitable for indoor use. The standard colours of the frame and the door leaf are approximately those illustrated at side. For repainting proceed as follows:

- sand and dust off the surfaces thoroughly
- give a base coat of opaque beige 0059(made by ALCEA of Milan) 2-component epoxy paint EPOX 5203
- repaint the surfaces with the enamel or paint selected

The door must not be exposed to atmospheric agents.

The colour fades when exposed to direct sunlight.

List of RAL tones at stock



Other RAL tones upon request: RAL1001-RAL1007-RAL1014-RAL1021-RAL1023-RAL1033-RAL2010-RAL3003-RAL3004-RAL3009-RAL3011-RAL3020-RAL5000-RAL5002-RAL5003-RAL5005-RAL5007-RAL5008-RAL5009-RAL5011-RAL5012-RAL5013-RAL5014-RAL5015-RAL5017-RAL6011-RAL6012-RAL6016-RAL6018-RAL6019-RAL6028-RAL6029-RAL7001-RAL7004-RAL7011-RAL7016-RAL7022-RAL7030-RAL7032-RAL7036-RAL7037-RAL7040-RAL7042-RAL7046-RAL7047-RAL8014-RAL8017-RAL8019-RAL8023-RAL9005

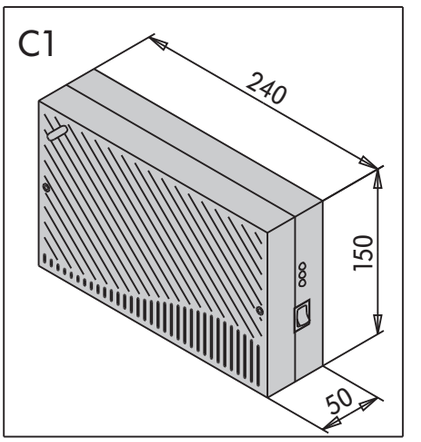
RAL-tones for outside using: RAL1001-RAL1003-RAL1013-RAL1021-RAL1023-RAL3000-RAL3012-RAL3013-RAL5010-RAL5011-RAL5014-RAL6000-RAL6005-RAL6018-RAL6028-RAL7001-RAL7012-RAL7022-RAL7024-RAL7032-RAL7035-RAL7036-RAL7037-RAL8017-RAL9001-RAL9002-RAL9010-NCS4020-NCS5020

We recommend the use of water and neutral soap. Do not use cleaning fluids or other solvents. We do not accept responsibility for future complaints should these recommendations not be adhered to.

(For printing reasons the colours might not be like the original ones)

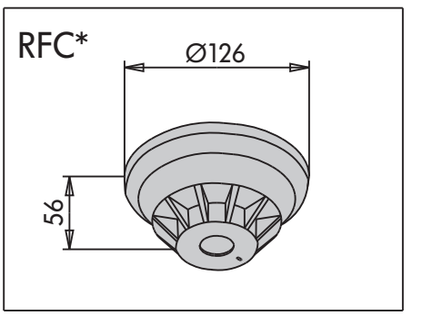
The **C1** power and control device supplies a 24 V power feed to the electromagnets that hold the fire doors open. If an alarm is generated by the associated smoke and heat detector, the device switches off this feed to release the doors. The system can be reset either automatically of manually, by pressing the reset button once the alarm condition is eliminated. The C1 power and control device can work with up to six EM or EMP electromagnets and 20 RFC* smoke and heat detectors. It can also drive an external alarm siren. The device can be connected to an external backup battery. The C1 control device is certified according to the electromagnetic compatibility and electrical safety standards application. ABS box in beige colour for wall fixing.

Power supply:	230Vac – 50Hz
Control voltage:	24Vdc
Max. output current:	500mA
Protection rating:	IP30
Backup battery charge output:	24Vdc (27.6Vdc)
Power on signal:	Green LED
Alarm signal:	Red LED
Fault signal:	Yellow LED
Acoustic alarm:	Internal buzzer
Low Battery warning:	Intermittent internal buzzer



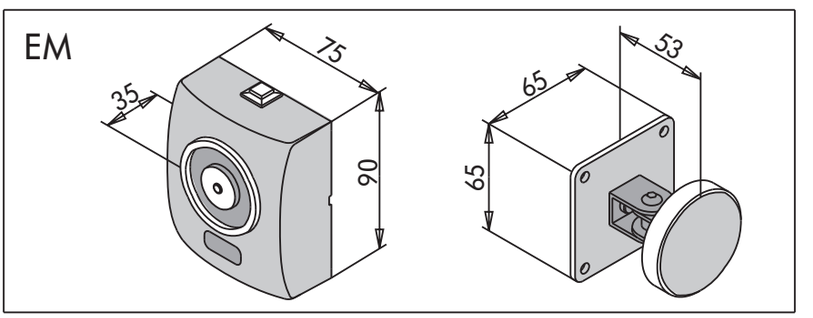
RFC* smoke and heat detector without ionization chamber or any other system liable to emit radiation, with white coloured plastic box. The detector is designed to measure rapid increases in temperature (>10°C) in the warm air that flows horizontally across the ceiling. The detector should be located where there are normally no strong draughts. The RFC* smoke and heat detector is certified to UNI EN 54-7 standard.

Operating voltage:	10.5V – 33V, typically 24V
Standby consumption:	62µA - 70µA, typically 65µA
Fixed activation temperature:	54°C - 65°C, typically 60°C
Operating temperature range:	-0°C…+70°C
Max. relative humidity:	95%
Warning signal:	Red LED



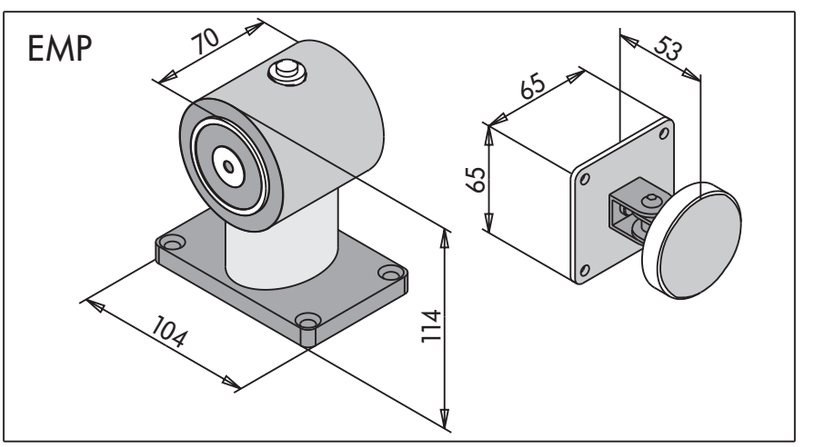
EM wall-mounted electro-magnet with white plastic casing, complete with release button. Anchor made of nickle iron plates with a hinged base.

Power source:	24Vdc
Absorption:	60mA
Retention strenght:	550N
Marked:	CE



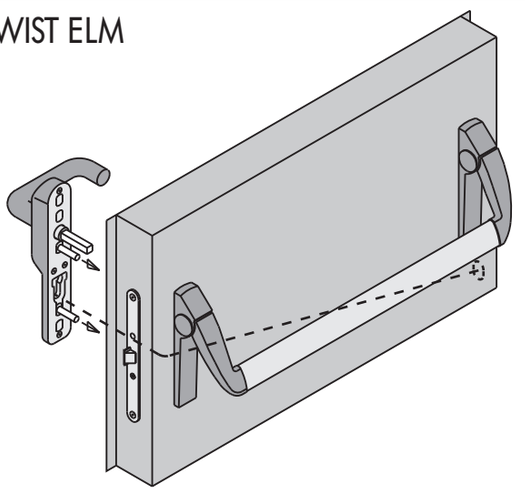
Electro magnet **EMP** for floor fitting consisting of a galvanized iron core with block release button and installation base. Anchor made of nickle iron plates with a hinged base.

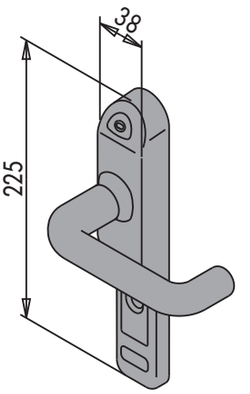
Power source:	24Vdc
Absorption:	60mA
Retention strength:	550N
Marked:	CE



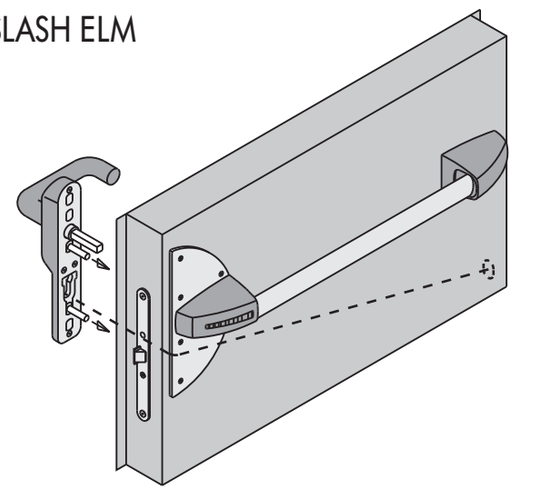
ELECTRIC HANDLE ELM

TWIST ELM

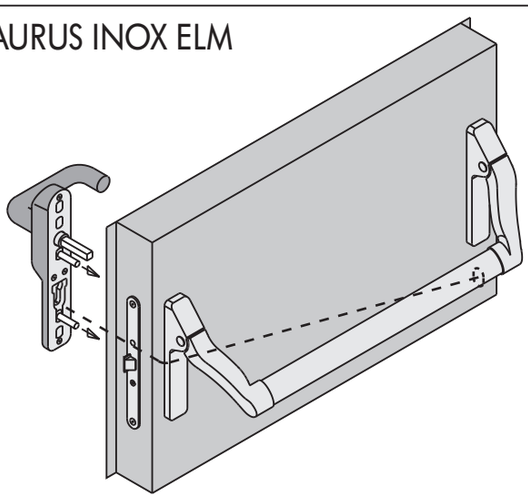




SLASH ELM



TAURUS INOX ELM



Multi-voltage electro handle for controlled opening system, manufactured with metallic body and aluminium handle varnished in black colour.

Controlled opening system for the door that through an electronic device will switch "on" the handle. The supply could it be indifferently 12 Vdc, 12 Vca, 24 Vdc and 24 Vca. – in rush starting current 700mA, maintenance current 500mA. Supplied with internal timer: 30 seconds opening permission length; when the green Led is "on" it means that there is a temporary activation. The customer may also choice the time for the temporary activation. The supply cable is passing through the inside of the door leaf and it is wired to the electric contact of the leaf (height from the finished floor: 850 mm).

Electro handles are supplied in thier component parts, not fitted.

The opposite side of the electro handle is compatible with various opening systems here in succession shown.

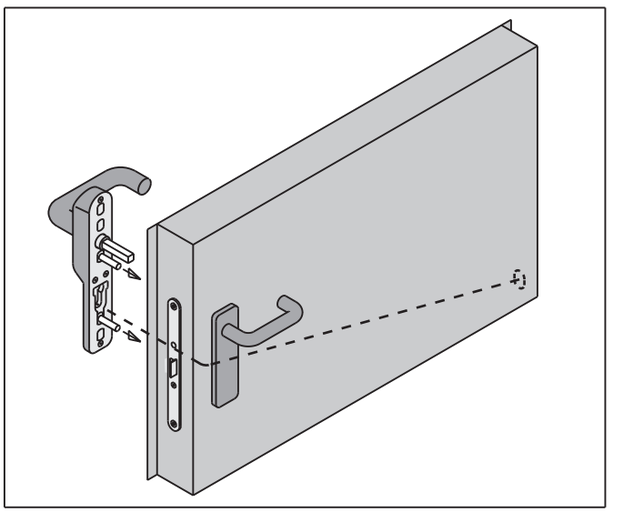
Function of the **ELECTRO-DOOR-HANDLE** combined with **emergency handle.**

The opening direction is only the pull direction (on the electro-door-handle door leaf).
When locked with a key the electro-door handle is set out of action while the push side is always operable by means of the anti-panic bar.
Application: Single and double door leafs for emergency exits and where controlled access is required on the pull side.

ELECTRIC HANDLE ELM

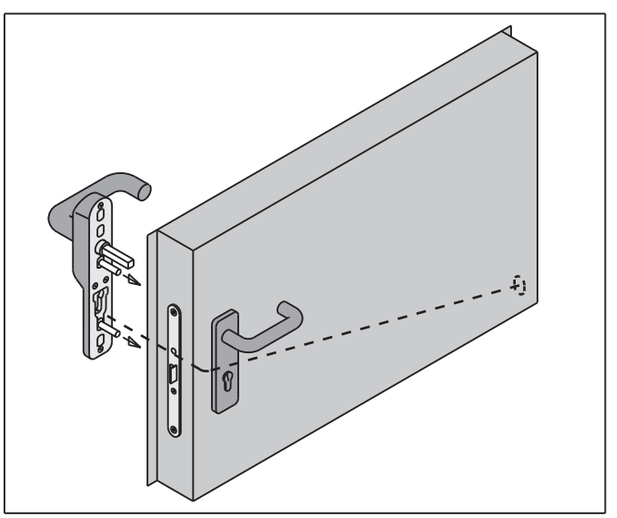
Function of the **ELECTRO-DOOR-HANDLE** combined with door handle **MSC.**

The controlled opening direction can be push or pull in accordance with the location of the electro-door-handle.
Should the door be locked with a key both the electro-door-handle and the handle are set out of action.
Application: Single and double leaf doors where controlled access is required in one of the two directions of opening, but also key locking to prevent through traffic at times when access is not permitted.



Function of the **ELECTRO-DOOR-HANDLE** combined with door handle **MCC/S.**

The controlled opening direction is only pull (the door leaf with the electro-door-handle). Should the door be locked with a key, only the door handle MCC/S (door leaf push) is set out of action but not the electro-door-handle.
Application: Single and double leaf doors where controlled access is required only on the pull door leaf, while access through the push door leaf is only possible if the door is not key locked.

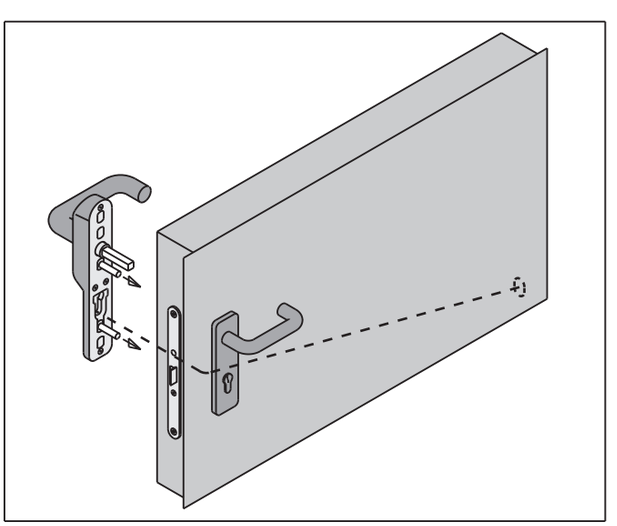


Function of the **ELECTRO-DOOR-HANDLE** combined with door handle **MCC/T**

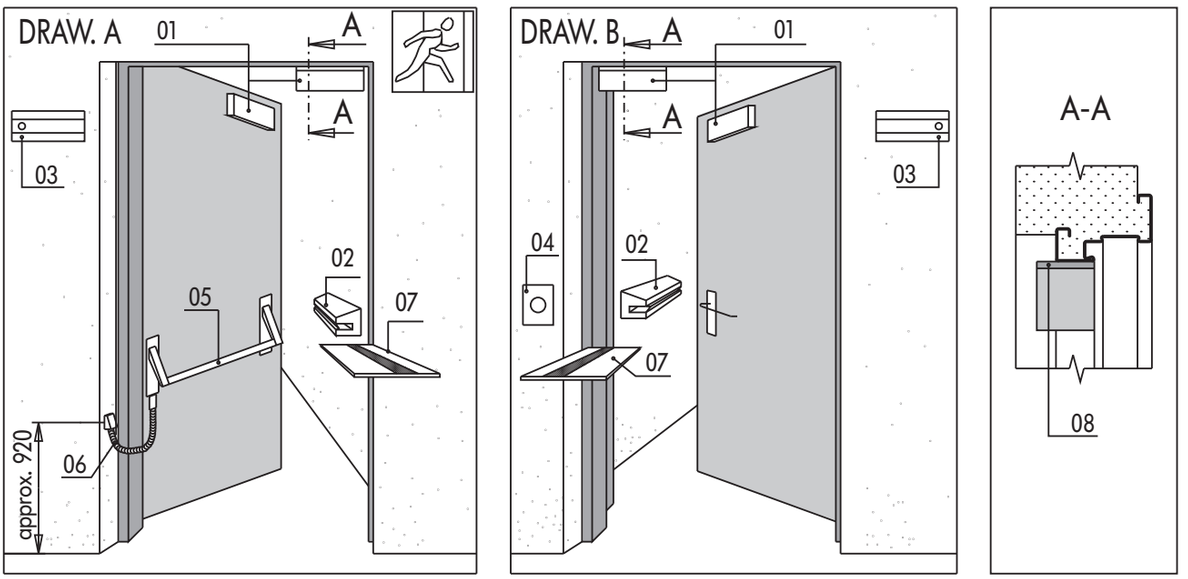
The controlled opening direction is only push (the door leaf with the electro-door-handle).
Should the door be locked with a key, only the door handle MCC/T (door leaf pull) is set out of action but not the electro-door-handle.
Application: Single and double leaf doors where controlled access is required only on the push door leaf, while access through the pull door leaf is only possible if the door is not key locked.

Function of the **ELECTRO-DOOR-HANDLE** combined with door handle **MCC/A**

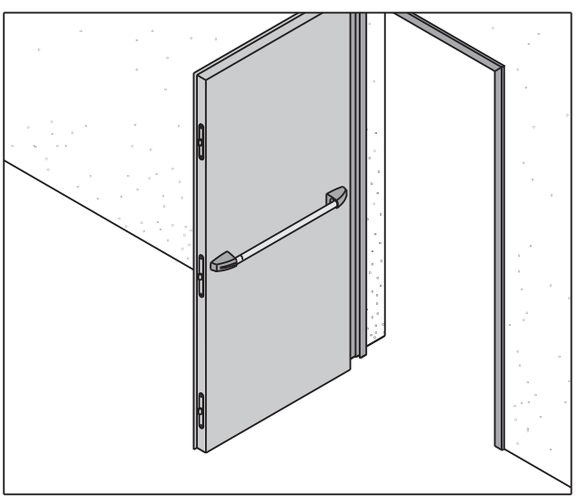
Locking the lock with a key prevents the functioning of the electro door handle (push door leaf), with leaf handle MCC/A exit is always garanteed even if the lock is locked by key (anti panic function).
Application: Single and double leaf doors where controlled access is required only on the push door leaf, while access through the pull door leaf is only possible if the door is not key locked.

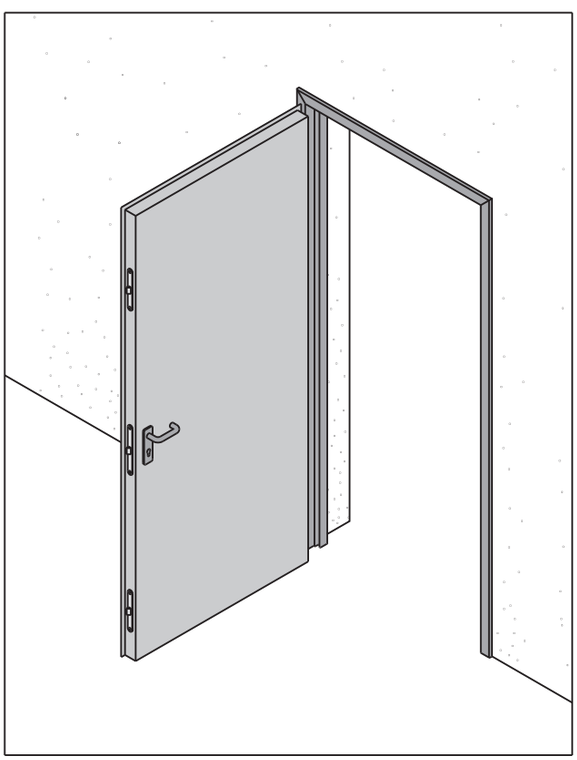


CONTROLLED OPENING/LOCK 3 CLOSING POINTS



"Controlled opening" system with anti-panic crossbar (Drawing A) or with handle (Drawing B).
The door is kept closed by the electromagnet and by the tongue of the lock. Opening from outside by means of magnetic card and by moving back the tongue with handle or with key. From inside the electromagned is released by a button (also remote), a microswitch inserted in the antipanic crossbar or also by a magnetic card, the tongue of lock must be moved back (with crossbar, handle or key). 01 holding electromagnet 300 kg.complete of joined anchoring and (08) fastening plate; 02 Control system with programming cards; 03 AC/DC Converter 220V/12V; 04 Release switch; 05 TW or SL equipped with microswitch; 06 Wire tube in nickel-plated brass; 07 Simple magnetic coded card;





Lock with 3 closing points on jamb for Proget multi-purpose doors.
Combined with cylinder and **M1** lever-handle inside and outside, or in the antipanic version **BM** with lever handle outside, **B** outside completely blind and antipanic crossbar Twist **TW,** Slash **SL,** Taurus Inox **TX** or Touchbar **TB** internally.
Can be delivered also on main leaf of double leaf doors.

MULTIPURPOSE DOORS

REVER

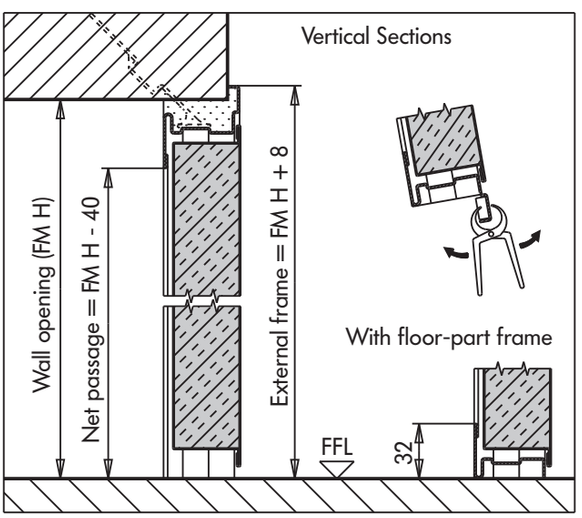
Ninz company maintains the right to introduce technical modifications any time without notice. All dimensions expressed in mm.

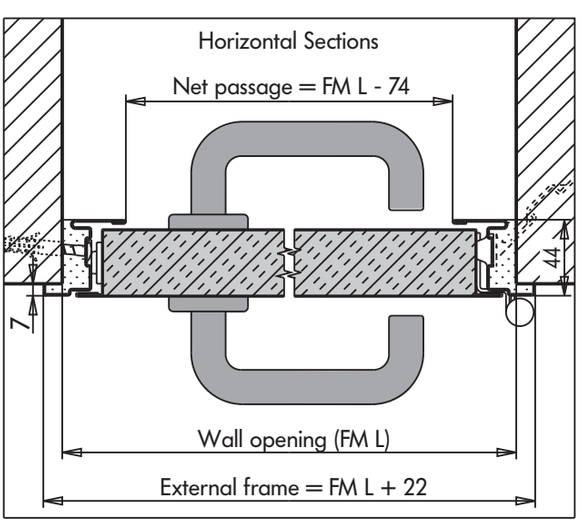
Rever doors are normally installed to compartmentalize the inside of buildings and are built for that purpose.

NINZ® FIREDOORS

SPECIFICATIONS/SECTIONS

Rever MULTIPURPOSE single-leaf doors





Rever MULTIPURPOSE single-leaf doors consisting of:

- ❑ Galvanised steel-sheet door leaf, filler of rigid honey-comb fibre structure, total thickness 39 mm.
- ❑ Assembled corner frame made of profiled galvanised steel-sheet prepared for installation with brackets or bolts.
- ❑ Lock with cylinder bore and plastic key-hole for patent key included.
- ❑ Black colour safety-shaped handle fitted at a height of approx. 1075/1125 (FM H 2050/FM H 2150) above the finished floor.
- ❑ 2 pcs. Bearing hinges and 3 safety bolts on hinge side.
- ❑ Painted with epoxy-polyester oven-baked powder paint with anti-scratch goffered finish - light pastel turquoise for door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaf is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaf by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❑ Reversible door for opening right or left with bottom frame adaptable to floor or detachable for use without bottom frame.
- ❑ All Rever doors are prepared to receive a three-point closing device (Kit Secur).

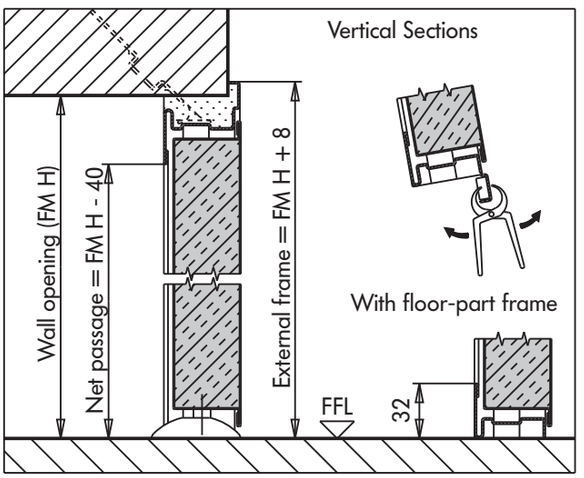
Dimensions wall opening FM L x FM H available:

700 x 2050/2150
800 x 2050/2150
900 x 2050/2150
1000 x 2050/2150
1350 x 2050/2150

NB.
To request the doors can be supplied in different RAL tones, combined with anti-panic crossbars, door-closers, ventilation holes, louvers, frame extensions or special casings.

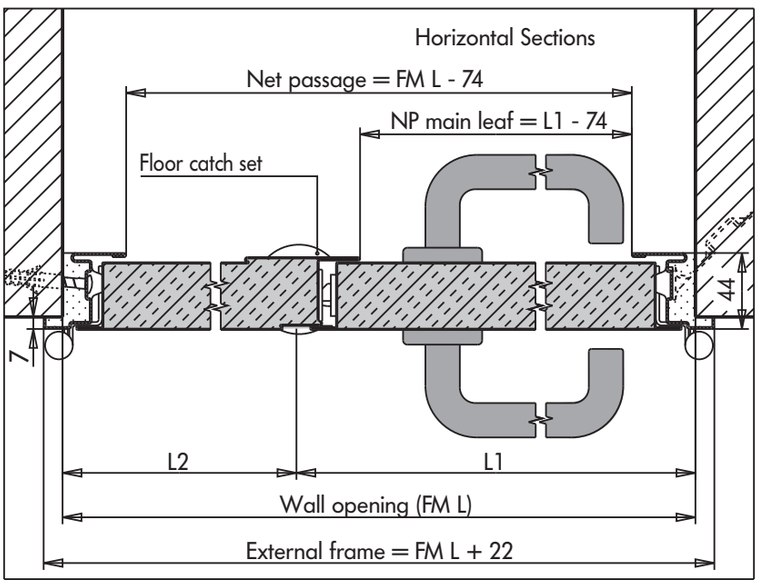
SPECIFICATIONS/SECTIONS

Rever MULTIPURPOSE double-leaf doors



Rever MULTIPURPOSE double-leaf doors consisting of:

- ❑ Leaf of galvanised steel-sheet, filler of rigid honey-comb fibre structure, total thickness 39 mm.
- ❑ Corner frame made of profiled galvanised steel-sheet prepared for installation with brackets or bolts The frame is supplied non-assembled.
- ❑ Standard lock in main leaf with cylinder bore and keyhole for patent keys. Secondary leaf with central manual bolts for closing at top and bottom.
- ❑ Black colour safety-shaped handle fitted at a height of approx. 1075/1125 (FM H 2050/FM H 2150) above the finished floor.
- ❑ Each leaf with 2 bearing hinges and 3 safety bolts at hinge side.
- ❑ Painted with epoxy-polyester oven-baked powder paint with anti-scratch goffered finish - light pastel turquoise for door leaves (NCS4020-B50G), and a darker shade for the frame (NCS5020-B50G). On request, powder coating in RAL or decorative NDD – Ninz Digital Decor can be applied for decorative or graphic elements. Surface treatment of the door leaves is carried out using oven-baked epoxy-polyester powder and graphic printing of the decoration on the flat side of the door leaves by means of sprayed inks. The decoration is protected by transparent varnish. The finish can be flat or beaten in accordance with the decoration selected.
- ❑ Reversible door for opening right or left with bottom frame adaptable to floor or detachable for use without bottom frame.
- ❑ All Rever doors are prepared to receive a three-point closing device (Kit Secur).

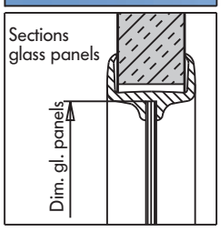


Dimensions wall opening FM L x FM H available:

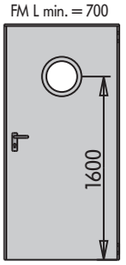
1200 (800 + 400) x 2050/2150
1300 (900 + 400) x 2050/2150
1400 (700 + 700) x 2050/2150
1600 (800 + 800) x 2050/2150
1800 (900 + 900) x 2050/2150
2000 (1000 + 1000) x 2050/2150

NB.
To request the doors can be supplied in different RAL tones, combined with anti-panic crossbars, door-closers, ventilation holes, louvers, frame extensions or special casings.

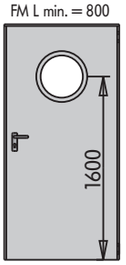
ACCESSORIES
Rever MULTIPURPOSE doors



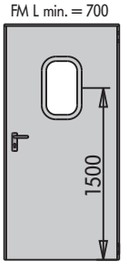
Glass panels Ø300
FM L min. = 700



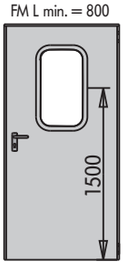
Glass panels Ø400
FM L min. = 800



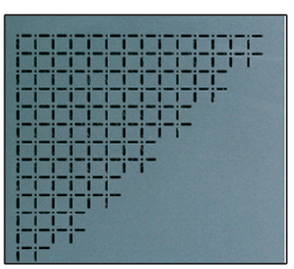
Glass panels 300 x 500
FM L min. = 700

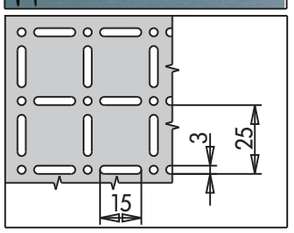


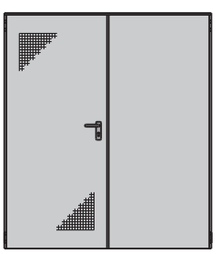
Glass panels 400 x 700
FM L min. = 800



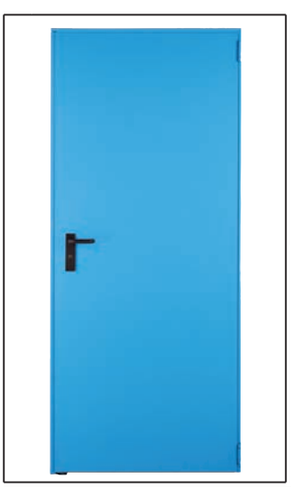
Vision panel for single and double leaf REVER doors made with rubber EPDM outer profile black colour and laminated 3+3 transparent safety glass. Opening direction of door necessary.

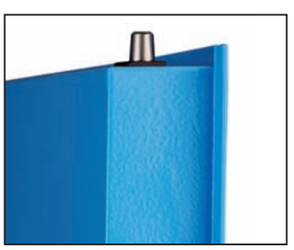


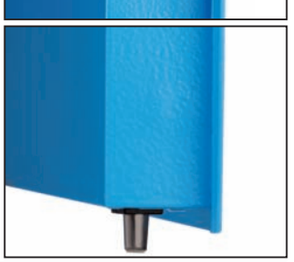


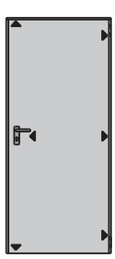


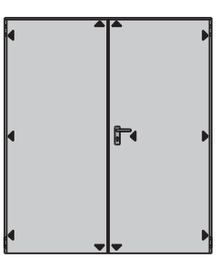
Ventilation holes for single and main leaf of double leaf REVER doors by sheet-holing like shown in picture, air passage approx. 200 square cm.
Rever doors with ventilation holes maintain the reversibility.







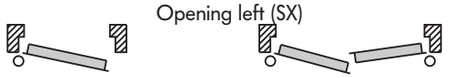




◂ Closing point

REVER SECUR version of single leaf door and main leaf of double leaf doors with 3 points closing lock including european cylinder. Available also in kit secur for site-installation. Rever Secur doors maintain the reversibility.

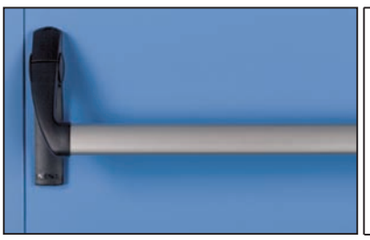
Opening left (SX)



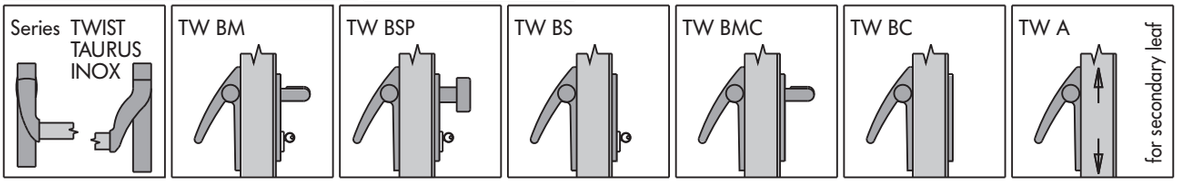
Opening right (DX)

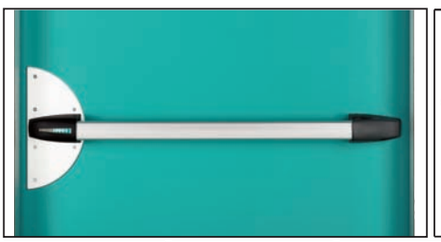
ACCESSOIRES

Rever MULTIPURPOSE doors

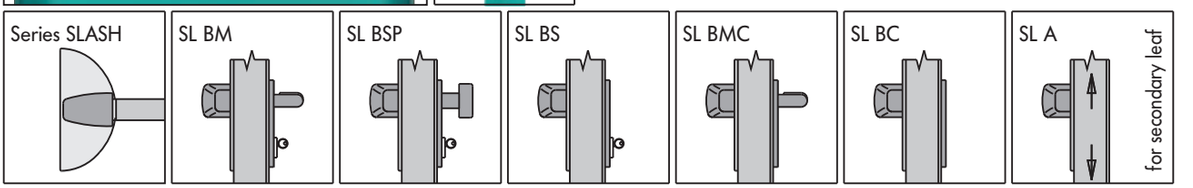


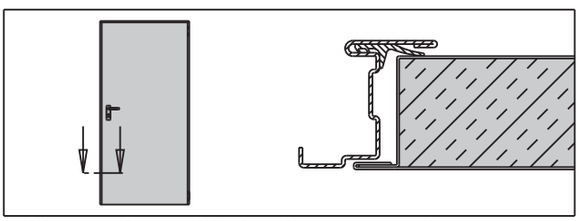
Anti-panic crossbars **TWIST** model made of steel and protection material made of black plastic, aluminium bar naturally anodised - encumbrance 100 mm. Types BM - BSP - BS - BMC and BC to install on single leaf doors or on main leaf, type A for secondary leaf. Available also in kit for site-installation. **Taurus stainless steel (TX)** with stainless steel control box and bar.



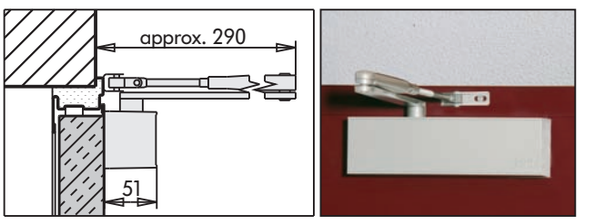


Anti-panic crossbars **SLASH** model made of steel and protection material made of black plastic, aluminium bar naturally anodised - encumbrance 75 mm. Types BM - BSP - BS - BMC and BC to install on single leaf doors or on main leaf, type A for secondary leaf. Available also in kit for site-installation.

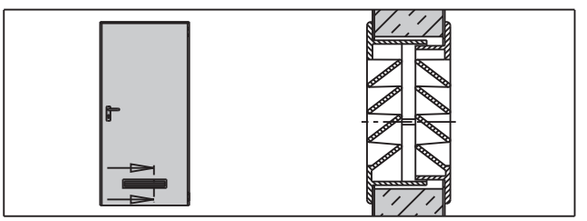




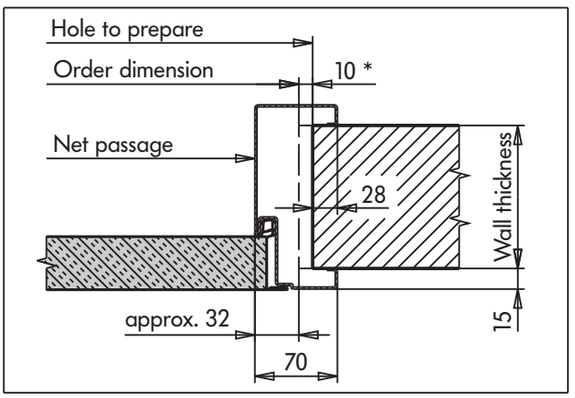
Rubber gasket **FF** black colour to insert by pressing in the gap of the frame. Supplied to request only in loose rolls to cut and install at site.

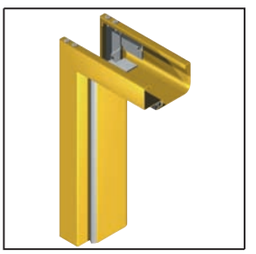


Overhead doorcloser **CP1** with compass arm with dual regulation for closing speed and impact. Silver colour.



Air vent grill, black or white as requested, dimensions 482 x 99 mm (air passage approx. 150 cm²). Indicate the opening direction of the door.

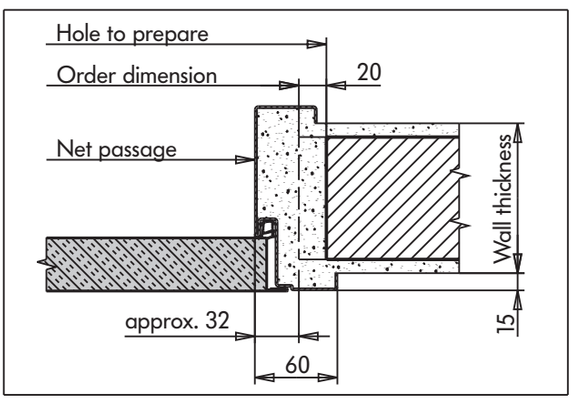




Embracing door casing **SPEED** for Rever door to assemble at site, galvanised steel sheet thickness 1,25 mm to grasp on finished partition with 6 integrated wrenches and 2 distancers to bolt or screw-on, including the rubber gasket and the RAL tone finishing. Profile 55/70.

FM = Wall opening order dimension for standard REVER door single and double leaf.

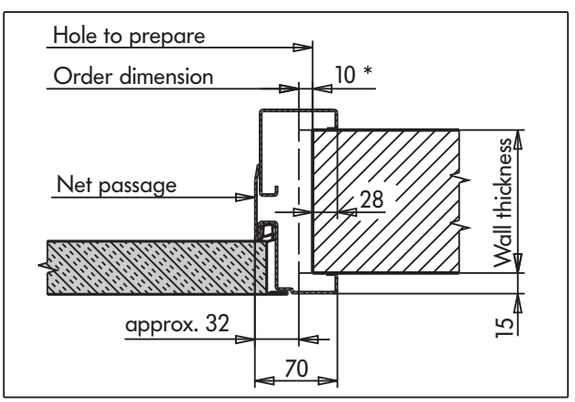
Order dimension	Hole to prepare*	Net passage
FM L (width)	FM L + 20	FM L - 64
FM H (height)	FM H + 10	FM H - 34



Embracing door casing **SOLID** for Rever door to assemble at site, galvanised steel sheet thickness 1,25 mm to fix by mortar or with iron band to bolt or screw-on, including removable bottom distancer, rubber gasket and RAL tone finishing. Profile 45/45.

FM = Wall opening order dimension for standard REVER door single and double leaf.

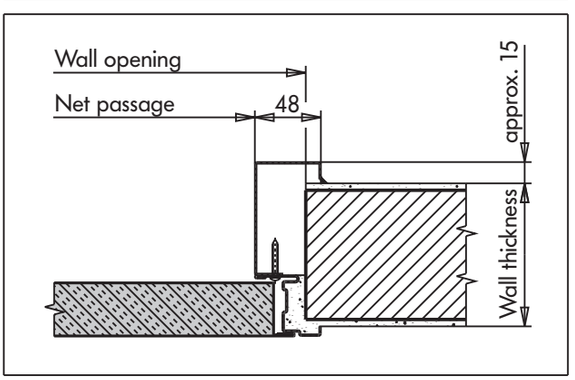
Order dimension	Hole to prepare*	Net passage
FM L (width)	FM L + 40	FM L - 64
FM H (height)	FM H + 20	FM H - 34



Telescopic embracing door casing **TESCOP** for Rever doors in two pieces, galvanised steel sheet thickness 1,25 mm to bolt on finished partition, including removable bottom distancer, rubber gasket and RAL tone finishing. Profile 55/70.

FM = Wall opening order dimension for standard REVER door single and double leaf.

Order dimension	Hole to prepare*	Net passage
FM L (width)	FM L + 20	FM L - 64
FM H (height)	FM H + 10	FM H - 34



Glass holders for wall covering to be assembled for REVER doors, made of galvanized sheet steel with a thickness oft 12/10 mm. Angled seal to be screwed. Thermally epoxy polyester powder coated. Packing included. The fixing holes are the customer's responsibility. Delivery upon request and does not include screws. Holes are not prepared.

FM = Wall opening order dimension for standard REVER door single and double leaf.

Order dimension	Net passage
FM L (width)	FM L - 74
FM H (height)	FM H - 40

* Removing with chisel or other tool part of existing cement walls or bricks or sub-frames of wood, 10 mm width may be gained.

SURFACE FINISHING/POSITION OF BRACKETS/FRAME EXTENSIONS

Rever MULTIPURPOSE doors

Serial colour

Colours always available

RAL9010 RAL1013 RAL9001 RAL9002
RAL 9018 RAL1003 RAL 1015 RAL3000
RAL5010 RAL5024 RAL6000 RAL6005
RAL7024 RAL7035 RAL7038 RAL8011
RAL9011

Doors are supplied with paint finish as described herein. The paint is particularly hard-wearing and is characterized by its attractive finish. It is suitable for indoor use. The standard colours of the frame and the door leaf are approximately those illustrated at side. For repainting proceed as follows:
- sand and dust off the surfaces thoroughly
- give a base coat of opaque beige 0059 (made by ALCEA of Milan) 2-component epoxy paint EPOX 5203
- repaint the surfaces with the enamel or paint selected.

The door must not be ex-posed to atmospheric agents.

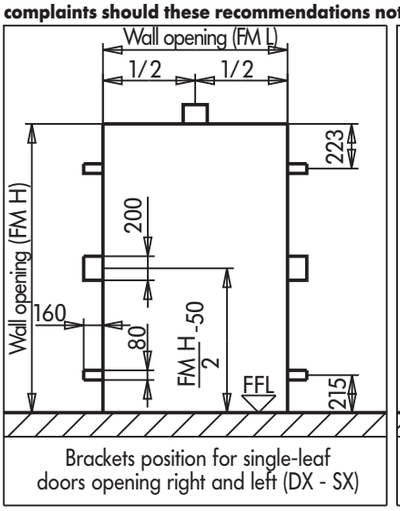
The colour fades when ex-posed to direct sunlight.

(For printing reasons the colours might not be like the original ones)

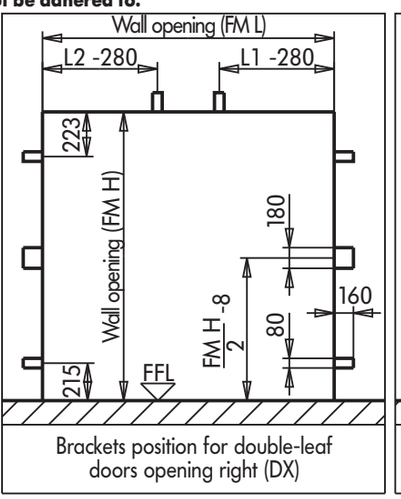
Other RAL tones upon request: RAL1001-RAL1007-RAL1014-RAL1021-RAL1023-RAL1033-RAL2010-RAL3003-RAL3004-RAL3009-RAL3011-RAL3020-RAL5000-RAL5002-RAL5003-RAL5005-RAL5007-RAL5008-RAL5009-RAL5011-RAL5012-RAL5013-RAL5014-RAL5015-RAL5017-RAL6011-RAL6012-RAL6016-RAL6018-RAL6019-RAL6028-RAL6029-RAL7001-RAL7004-RAL7011-RAL7016-RAL7022-RAL7030-RAL7032-RAL7036-RAL7037-RAL7040-RAL7042-RAL7046-RAL7047-RAL8014-RAL8017-RAL8019-RAL8023-RAL9005

RAL-tones for outside use: RAL1001-RAL1003-RAL1013-RAL1021-RAL1023-RAL3000-RAL3012-RAL3013-RAL5010-RAL5011-RAL5014-RAL6000-RAL6005-RAL6018-RAL6028-RAL7001-RAL7012-RAL7022-RAL7024-RAL7032-RAL7035-RAL7036-RAL7037-RAL8017-RAL9001-RAL9002-RAL9010-NCS4020-NCS5020

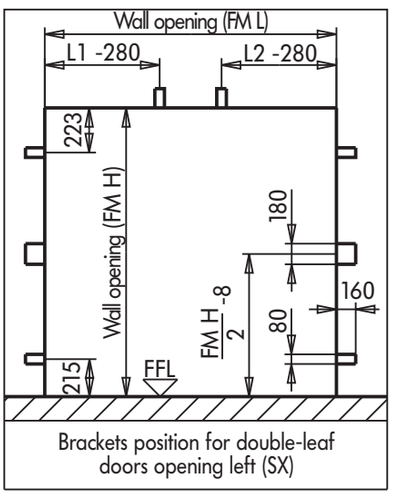
We recommend the use of water and neutral soap. Do not use cleaning fluids or other solvents. We do not accept responsibility for future complaints should these recommendations not be adhered to.



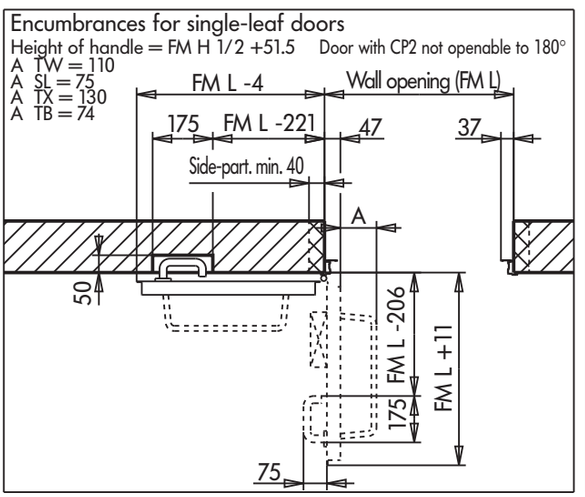
Brackets position for single-leaf doors opening right and left (DX - SX)

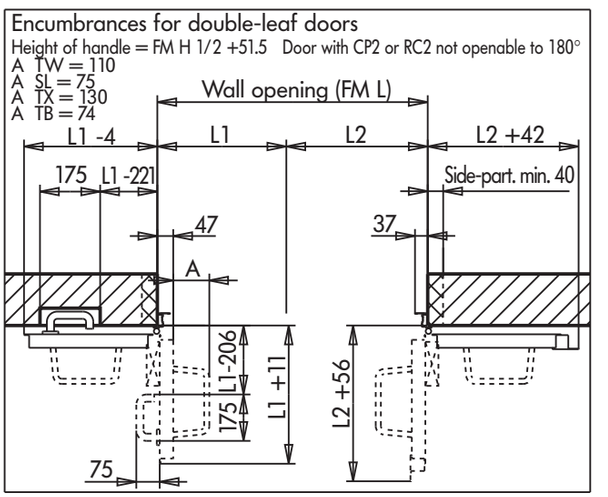


Brackets position for double-leaf doors opening right (DX)



Brackets position for double-leaf doors opening left (SX)





HINGED DOORS

VERTICAL SLIDING DOORS

SLIDING DOORS

REI 120 - REI 180

DOORS INDEX

Fireproof doors, because of their dimensions and specific functions have to be carefully planned. All the measurements of any installation place have to be taken and the verticality of walls and floor levels have to be verified.

Particular attention must be paid to the measurement of any projections or surfaces that could inhibit the functioning or the free movement of the door.

In view of the weight of the doors, the bearing capacity of the walls and of the supporting beams must also be verified, and these must also be suitable for the fixing of rails and frames.

Our technical office, is at your disposal for any other explanation that may be required, and holds the forms for orders or offers.

Ninz company keeps the right to introduce technical modifications any time without notice. All dimensions expressed in mm.

Fire break doors are normally installed to compartmentalize the inside of buildings and for that purpose they are built.

ILLUSTRATIONS

Firebreak doors are available in single and double leaf horizontal sliding or hinged versions and as drop shutter, certified for integrity and insulation according to the Italian UNI 9723 norm and approved by the Ministry of Interior.
They are used principally for large openings or particular situations and built to order dimensions. The leaves consist of steel sheets with fire resistant core in vertical modules with flush joints.

Color light pastel turquoise

NINZ® FIREDOORS

SPECIFICATIONS
Double-leaf REI 120 hinged doors

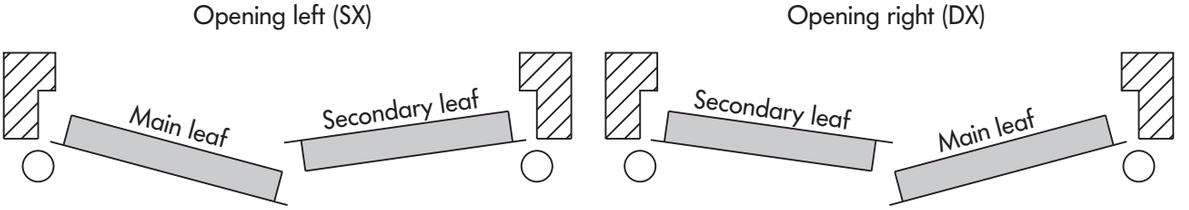
Double-leaf REI 120 hinged door in accordance with UNI9723 consisting of:

- ❑ One piece leaves of joined moduls made of steel-sheet, core with insulating materials. Flush joints, without sill. Total thickness 73mm.
- ❑ Corner frame of "Z" profiled steel-sheet with anchors for installation.
- ❑ Lock with cylinder on main leaf.
- ❑ Black, dual-lever safety handle with steel core, and plates.
- ❑ Secondary leaf including self-locking mechanism at top and floor.
- ❑ 2 extra-strong hinges for each leaf.
- ❑ Self expanding gasket inserted in the edge of leaves.
- ❑ Identification plate with reference details on one leaf edge.
- ❑ Maximum opening through 150° with door closer.
- ❑ Thermally epoxy polyester powder coated, with a beaten anti-scratch finish, pastel turquoise - light tone (NCS4020-B50G) for doors with a maximum height of 4500 mm.
  A beaten anti-scratch finish, pastel turquoise – light tone for doors with a height of more than 4500 mm.
- ❑ Dimensions on request.
- ❑ Compulsory accessories: 1 door closer for leaf.
  1 sequencer to ensure the correct closing sequence of the leaves.
- ❑ Weight of door approx. 60 kg/m² of wall opening.
- ❑ Packing: Door leaf in one piece in metal containers or on disposable timber pallets.

N.B.
- FFL = Finished floor level.
- Caution: leaves are supplied in one piece, this must be considered for handling and bringing to installation place.
- All orders are carried out in accordance with the RAL colour range as listed for Proget doors.

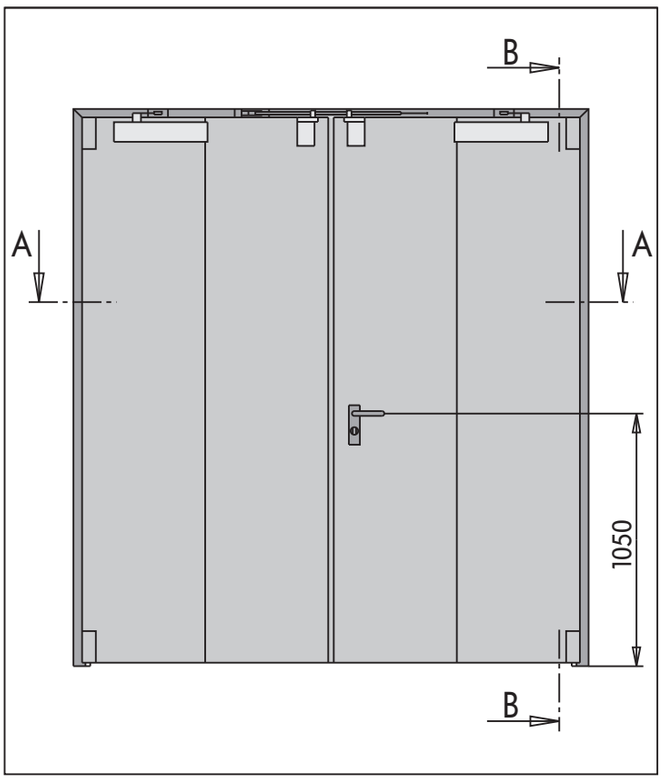
The client must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (= wall opening 2050 mm). Application of a revolving door as an emergency exit is at the customer's risk.

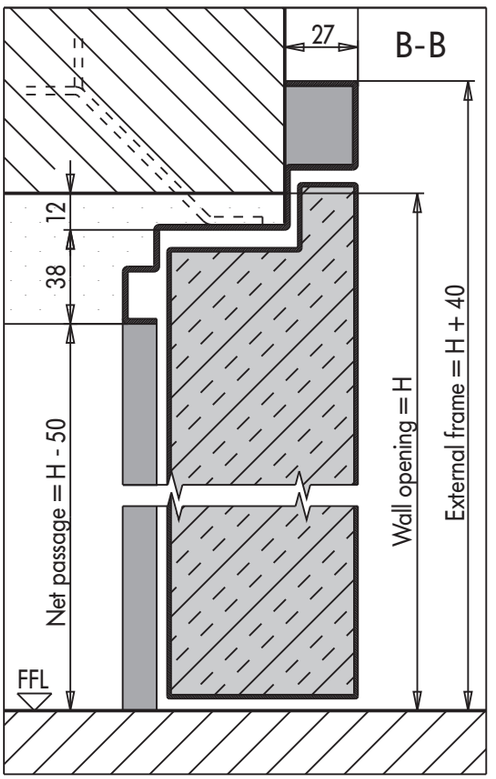
For particular on site situations (e.g. air draughts) it may be necessary to fit two door closers in pairs on each door leaf. One door closer per door leaf is included in the price of the element, the price of the second door closer must be added.

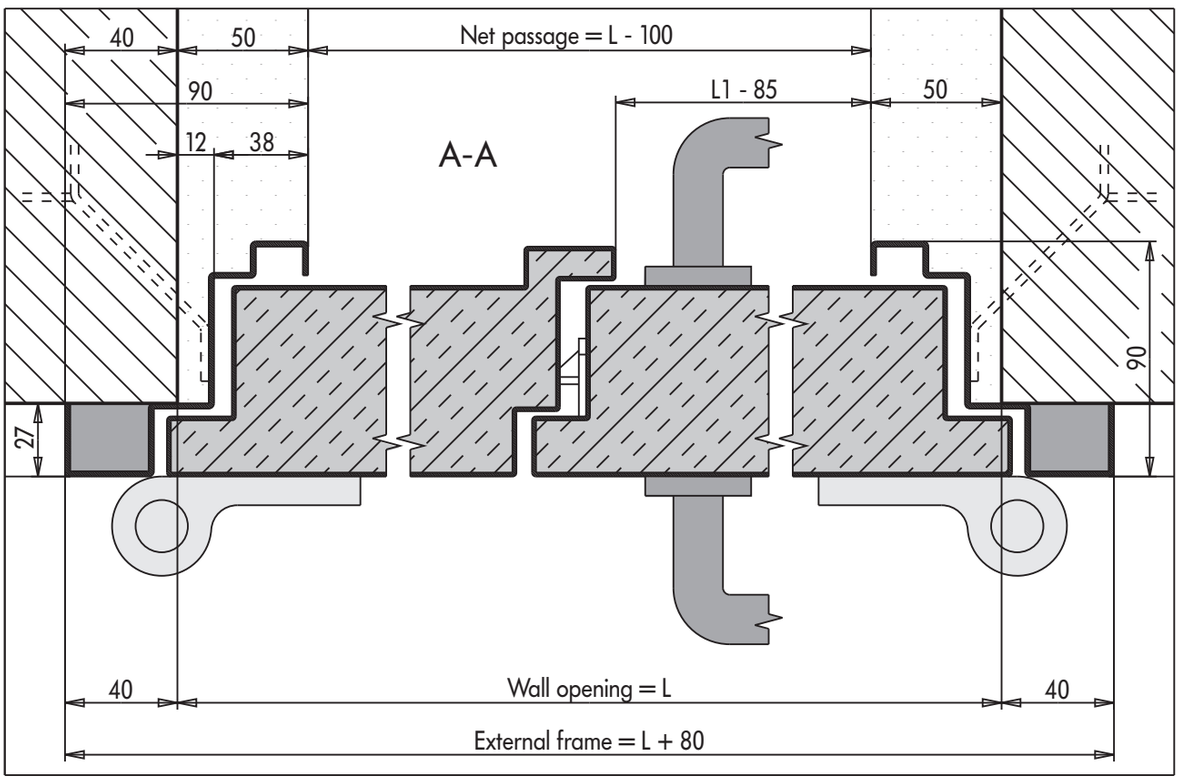


SECTIONS

Double-leaf REI 120 hinged doors



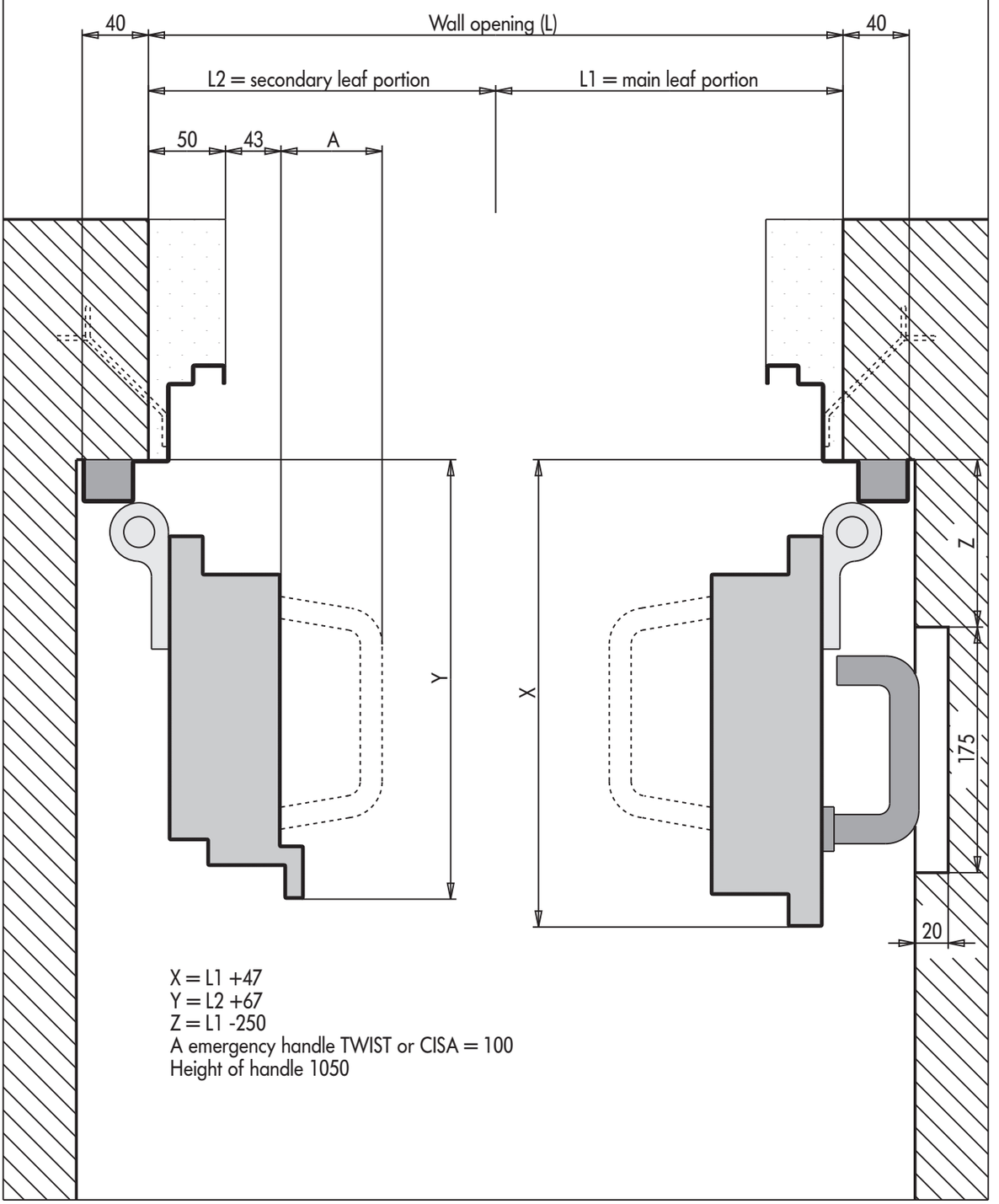




ENCUMBRANCES

Double-leaf REI 120 hinged doors

Maximum dimensions for
double-leaf doors opening to 90°.
N.B.: Maximum open 150°



X = L1 +47
Y = L2 +67
Z = L1 -250
A emergency handle TWIST or CISA = 100
Height of handle 1050

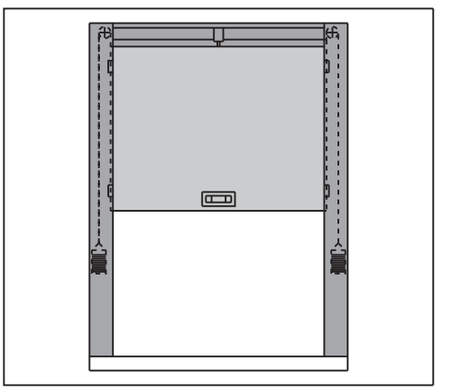
SPECIFICATIONS/SECTIONS

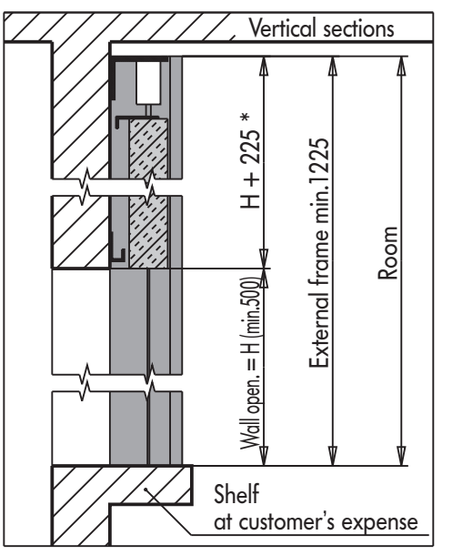
REI 120 vertical sliding doors

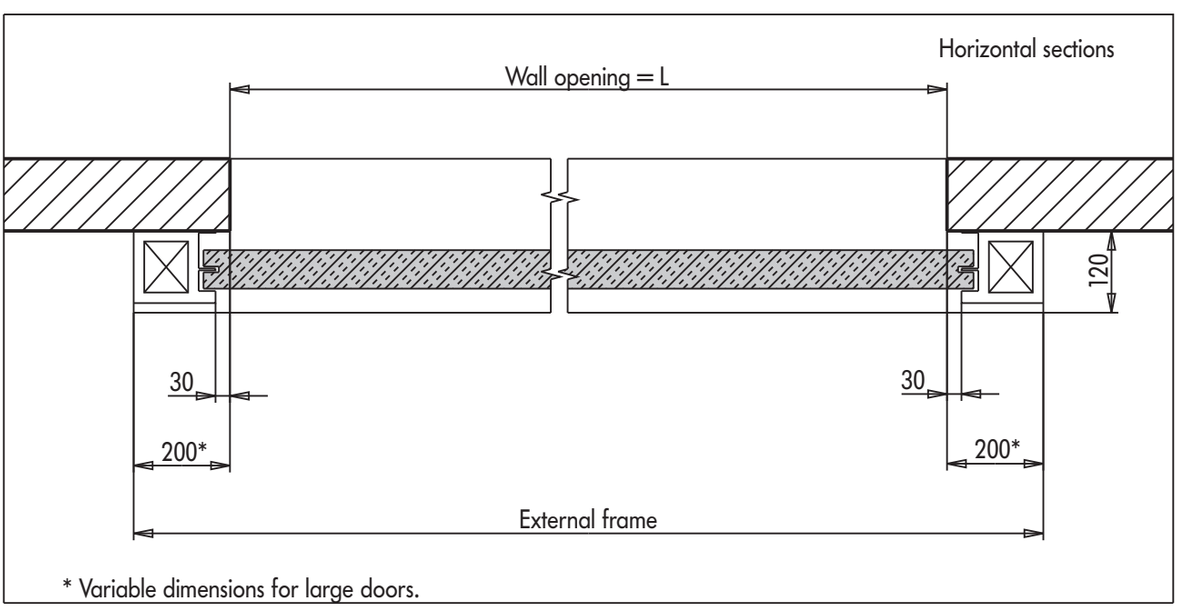
REI 120 vertical sliding door in accordance with UNI9723 consisting of:

- ❏ One piece door leaf with continual beaten sheet steel panels filled with insulation material. Door leaf thickness 80 mm.
- ❏ Firm pressure-formed steel-sheet labyrinths; door runs on lateral rails and flame-proof low-friction arresters.
- ❏ Adjustable counterweights.
- ❏ Recessed handles located on the lower part on both sides.
- ❏ Thermoexpanding gasket on all labyrinths.
- ❏ Identification plate with reference details on handle.
- ❏ Finishing with primer coat oven-dried at 160°, in light pastel turquoise.
- ❏ Dimensions on request.
- ❏ Normal operation:
  The door remains in the open position, held by a thermal fuse located at the top on the labyrinth distancer. The door can be closed manually. In case of fire the door closes as soon as the thermal fuse breaks.
- ❏ The door may also be fitted with electromagnets if the customer requests it.
  Electromagnets medium size: -Nominal tension: 24V.d.c.
  -Nominal current: 125mA
  -Retain strenght: 600N
  Electromagnets big size: -Nominal tension: 24V.d.c.
  -Nominal current: 200mA
  -Retain strenght: 1400N
- ❏ The fitting of any other accessories normally depends on the dimensions of the door.

N.B.
- Minimum wall opennig = 300mm x 500mm.
- All colours in the RAL range are available to order.







* Variable dimensions for large doors.

NINZ® FIREDOORS

SPECIFICATIONS
REI 120 single-leaf sliding doors

REI 120 single-leaf sliding door in accordance with UNI9723 consisting of:

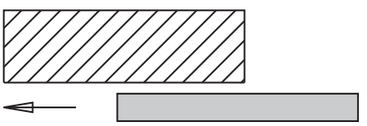
- ❑ To install on weight-bearing wall or insulated steel beam or insulated steel structure.
- ❑ One piece door leaf with continual beaten sheet steel panels filled with insulation material. Screw assembly. Door leaf thickness 80 mm.
- ❑ Horizontal, pressure-formed steel-sheet rail, pre-drilled for fixing with expansion screws (not included). Top low friction-sliding trolley mechanism, with bolt outside wall opening on floor. A pressure-formed steel-sheet protection covers the top running guide.
- ❑ Pressure-formed sheet-steel labyrinths.
- ❑ Adjustable counterweight covered with pressure-formed steel-sheet guard with cavity for door edge.
- ❑ Recessed handles on both sides.
- ❑ Thermoexpanding gasket on all labyrinths and under door leaf.
- ❑ Identification plate with reference details direct on handle.
- ❑ Finished, with brimer coat oven-dried at 160°, in light pastel turquoise tone.
- ❑ Packing: in disposable metal containers.
- ❑ Dimensions to request.
- ❑ Working of series-produced doors with thermal fuse:
  The door remains in any position, as it is left. The counterweight remains connected to the thermal fuse and closes the door only if the fuse breaks.
- ❑ Working of doors ordered with electromagnets (to request):
  The door remains normally open. The counterweight is always pulling the door leaf and the door closes when the current to the electromagnets is interrupted.
  For reasons of safety all doors equipped with electromagnets must also be fitted with a braking device.

Electromagnets for leaves up to 12 m^2:	-Nominal tension:	24V.d.c.
	-Nominal current:	125mA
	-Retain strenght:	600N
Electromagnets for leaves of more than 12 m^2:	-Nominal tension:	24V.d.c.
	-Nominal current:	200mA
	-Retain strenght:	1400N

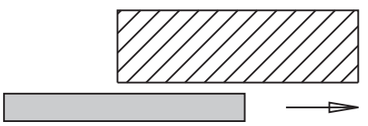
- ❑ The fitting of any other accessories normally depends on the dimensions of the door.
- ❑ Weight of sliding door approx. 50 kg/m^2 of wall opening.

N.B.
- All colours in the RAL range are available to order.
- **For reasons of safety we recommend the fitting of the braking mechanism to control the closing speed of the door.**
- FFL = Finished floor level.

Opening left (SX) - single-leaf door

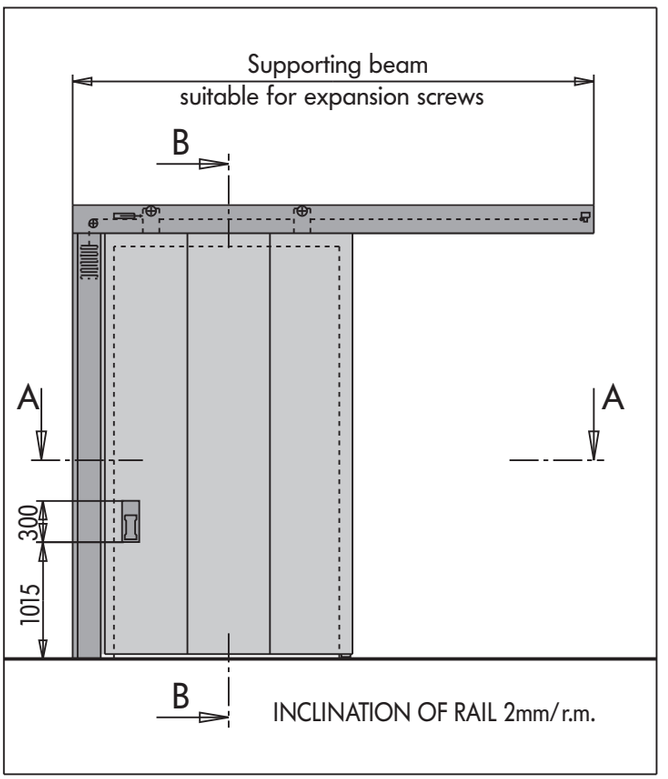


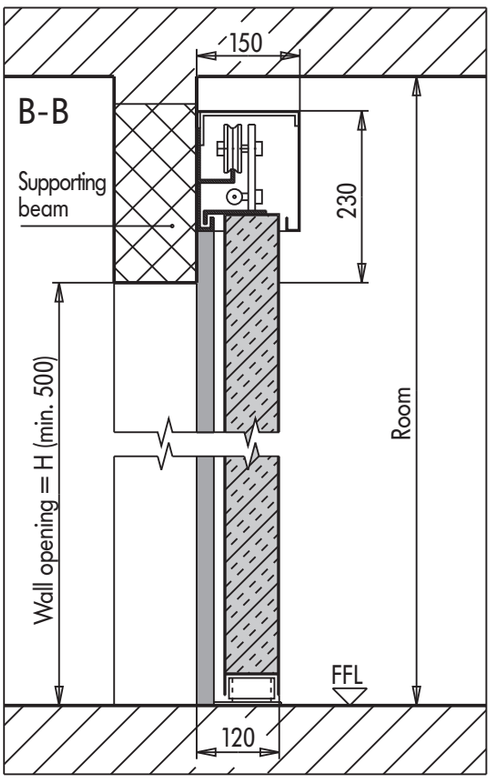
Opening right (DX) single-leaf door

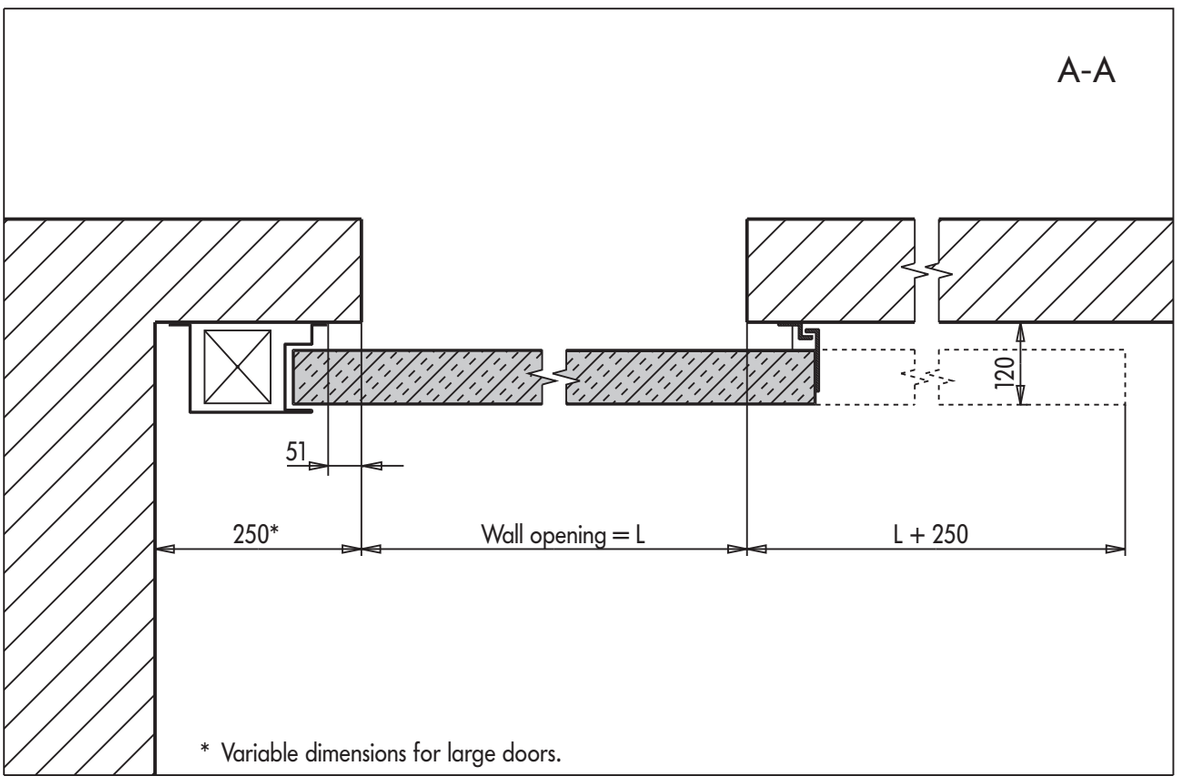


SECTIONS

REI 120 single-leaf sliding doors







REI 180 single-leaf sliding door in accordance with UNI9723 consisting of:

- ❑ To install on weight-bearing wall:
- ❑ One piece door leaf with continual beaten sheet steel panels filled with insulation material. Screw assembly. Door leaf thickness 120 mm.
- ❑ Horizontal, pressure-formed steel-sheet rail, pre-drilled for fixing with expansion screws (not included). Top low friction-sliding trolley mechanism, with bolt outside wall opening on floor. A pressure-formed steel-sheet protection covers the top running guide.
- ❑ Pressure-formed sheet-steel labyrinths.
- ❑ Adjustable counterweight covered with pressure-formed steel-sheet guard with cavity for door edge.
- ❑ Recessed handles on both sides.
- ❑ Thermoexpanding gasket on all labyrinths and under door leaf.
- ❑ Identification plate with reference details direct on handle.
- ❑ Finished, with brimer coat oven-dried at 160°, in light pastel turquoise tone.
- ❑ Packing: in disposable metal containers.
- ❑ Dimensions to request.
- ❑ Working of series-produced doors with thermal fuse:
  The door remains in any position, as it is left. The counterweight remains connected to the thermal fuse and closes the door only if the fuse breaks.
- ❑ Working of doors ordered with electromagnets (to request):
  The door remains normally open. The counterweight is always pulling the door leaf and the door closes when the current to the electromagnets is interrupted.
  For reasons of safety all doors equipped with electromagnets must also be fitted with a braking device.

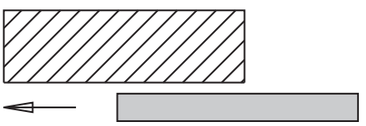
Electromagnets for leaves up to 12 m^2:	-Nominal tension:	24V.d.c.
	-Nominal current:	125mA
	-Retain strenght:	600N
Electromagnets for leaves of more than 12 m^2:	-Nominal tension:	24V.d.c.
	-Nominal current:	200mA
	-Retain strenght:	1400N

- ❑ The fitting of any other accessories normally depends on the dimensions of the door.
- ❑ Weight of sliding door approx. 75kg/m^2 of wall opening.

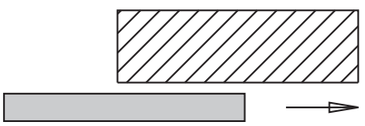
N.B.

- All colours in the RAL range are available to order.
- **For reasons of safety we recommend the fitting of the braking mechanism to control the closing speed of the door.**
- FFL = Finished floor level.

Opening left (SX) - single-leaf doors

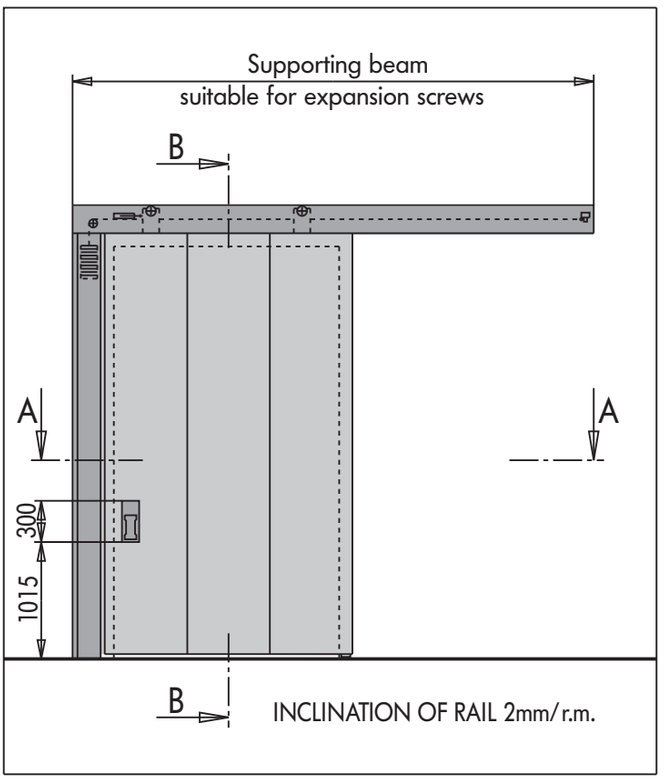


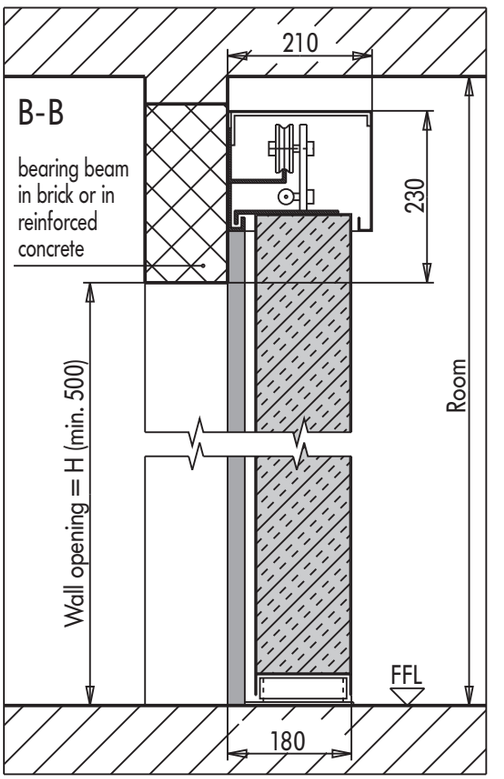
Opening right (DX) - single-leaf doors

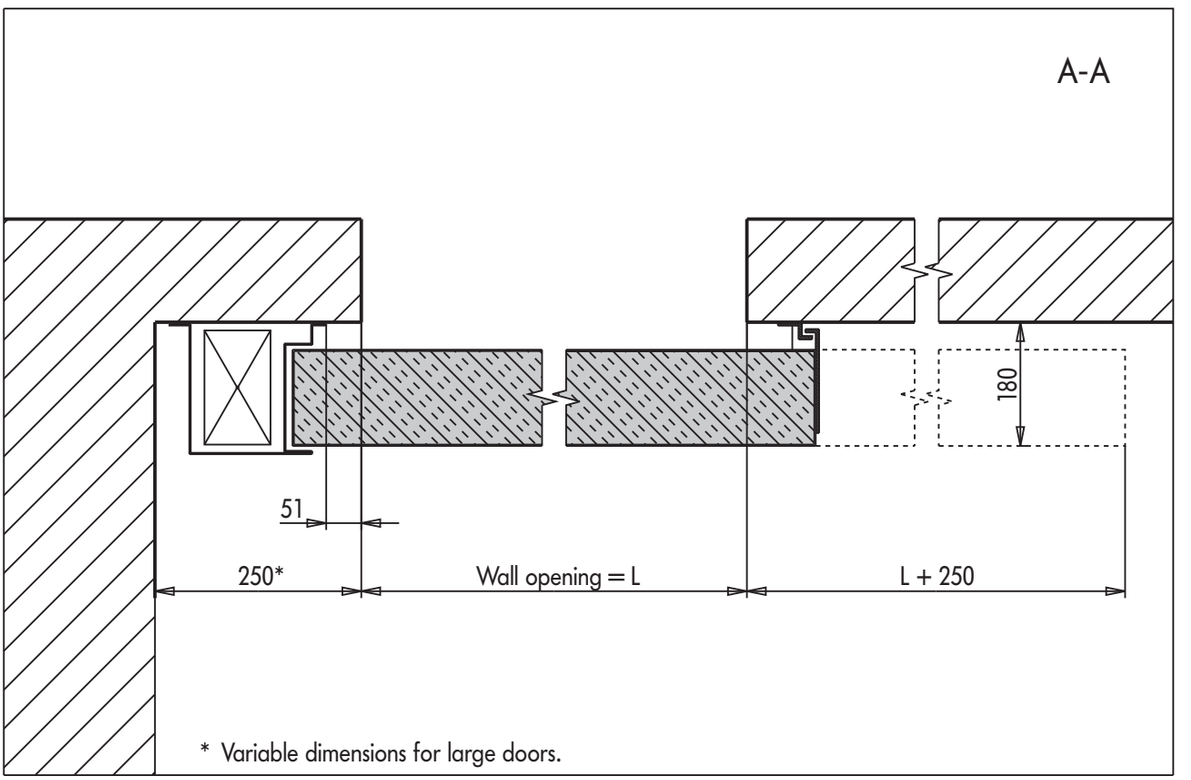


SECTIONS

REI 180 single-leaf sliding doors







NINZ® FIREDOORS

SPECIFICATIONS
REI 120 double-leaf sliding doors

REI 120 double-leaf sliding door in accordance with UNI9723 consisting of:

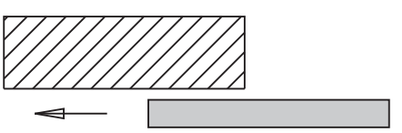
- ❑ To install on weight-bearing wall or insulated steel beam or insulated steel structure.
- ❑ One piece door leaf with continual beaten sheet steel panels filled with insulation material. Screw assembly. Door leaf thickness 80 mm.
- ❑ Horizontal, pressure-formed steel-sheet rail, pre-drilled for fixing with expansion screws (not included). Top low friction-sliding trolley mechanism, with bolt outside wall opening on floor. A pressure-formed steel-sheet protection covers the top running guide.
- ❑ Pressure-formed sheet-steel labyrinths.
- ❑ Adjustable counterweights covered with pressure-formed, sheet-steel guards.
- ❑ Recessed handles on both sides of the leaves.
- ❑ Thermoexpanding gasket on all labyrinths and under door leaves.
- ❑ Identification plate with reference details direct on handle.
- ❑ Finished, with primer coat oven-dried at 160°, in light pastel turquoise tone.
- ❑ Packing: in disposable metal containers.
- ❑ Dimensions to request.
- ❑ Working of series-produced doors with thermal fuse:
  The door leaves remain in any position, as they are left. The counterweights remain connected to the thermal fuses and close the door only if the fuses break.
- ❑ Working of doors ordered with electromagnets (to request):
  The leaves remain normally open. The counterweights are always pulling the door leaves, and close when the current to the electromagnets is interrupted.
  For reasons of safety each leaf of doors equipped with electromagnets must also be fitted with a braking device.

Electromagnets for leaves up to 12 m²:	-Nominal tension:	24V.d.c.
	-Nominal current:	125mA
	-Retain strenght:	600N
Electromagnets for leaves of more than 12 m²:	-Nominal tension:	24V.d.c.
	-Nominal current:	200mA
	-Retain strenght:	1400N

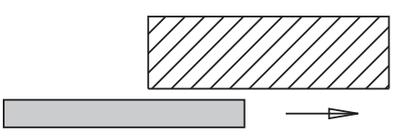
- ❑ The fitting of any other accessories normally depends on the dimensions of the door.
- ❑ Weight of sliding door approx. 50 kg/m² of wall opening.

N.B.
- All colours in the RAL range are available to order.
- **For reasons of safety we recommend the fitting of the braking mechanism to control the closing speed of the door.**
- FFL = Finished floor level.

Opening left

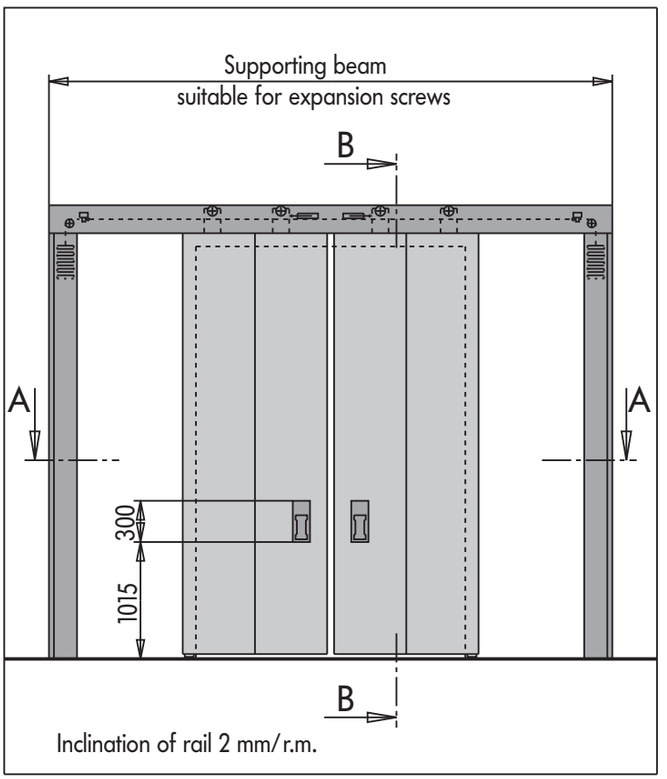


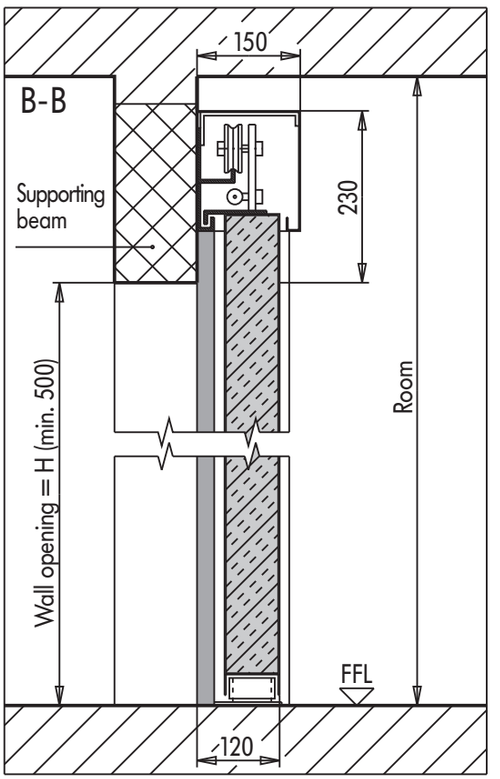
Opening right

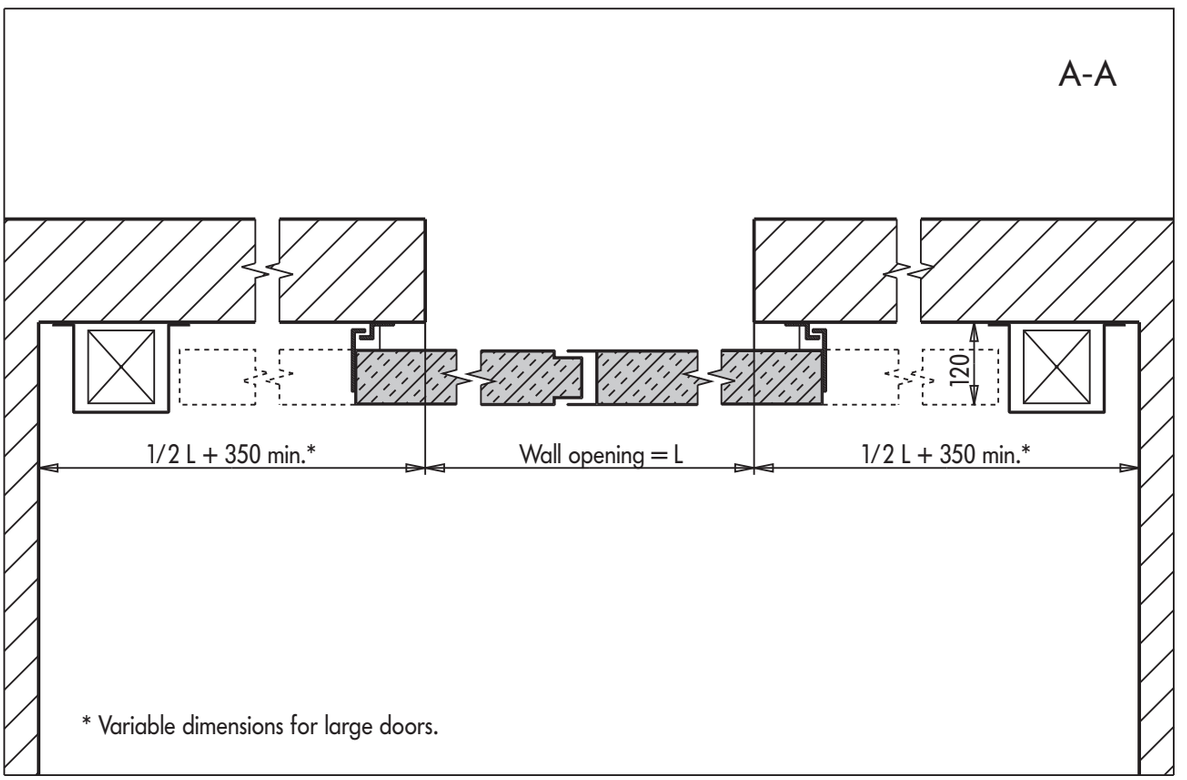


SECTIONS

REI 120 double-leaf sliding doors







NINZ® FIREDOORS

SPECIFICATIONS
REI 120 telescopic sliding door

REI 120 telescopic sliding door in accordance with UNI9723 consisting of:

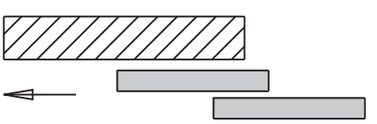
- ❑ To be installed in structural walls or from the ceiling.
- ❑ Continuous module door leaf panels constructed of beaten sheet steel sandwich filled with insulation material. Screw assembly. Total thickness of the door leaf 80 mm.
- ❑ Horizontal, pressure-formed steel-sheet rail, pre-drilled for fixing with expansion screws (not included). Top low friction-sliding trolley mechanism, with bolt outside wall opening on floor. A pressure-formed steel-sheet protection covers the top running guide.
- ❑ Pressure-formed sheet-steel labyrinths.
- ❑ Closing counter weight which can be calibrated, in a protective pressure formed sheet steel case with a rebate for the strike profile and distance spacer.
- ❑ Recessed door handles on both sides.
- ❑ Thermally expanding seal located on all labyrinths and under the door leaf.
- ❑ Identification plate with reference details direct on handle.
- ❑ Finished, with primer coat oven-dried at 160°, in light pastel turquoise tone.
- ❑ Packaging: modules in disposable metal containers.
- ❑ Dimensions to request.
- ❑ Function of standard doors with thermal insulation material:
  When released the door remains stationery regardless of position. The counterweight remains attached to the themal insulation material and closes the door only when the material is damaged.
- ❑ Function of door elements with an electromagnet (on request):
  Normally the door remains open. The counterweight remains attached to the door leaf and the closing device closes each time the electrical current from the electromagnet is interrupted.
  For safety reasons the customer must apply a braking device to door elements equipped with electromagnets.

Electromagnets for leaves up to 12 m^2:	-Nominal tension:	24V.d.c.
	-Nominal current:	125mA
	-Retain strenght:	600N
Electromagnets for leaves of more than 12 m^2:	-Nominal tension:	24V.d.c.
	-Nominal current:	200mA
	-Retain strenght:	1400N

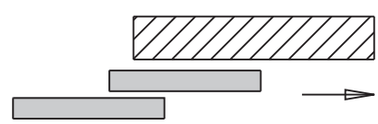
- ❑ The fitting of any other accessories normally depends on the dimensions of the door.
- ❑ Sliding force is approx. 50 kg/m^2 metre of wall opening.

N.B.
- All colours in the RAL range are available to order.
- **For reasons of safety we recommend the fitting of the braking mechanism to control the closing speed of the door.**
- FFL = Finished floor level.

Opening left (SX) single-leaf door

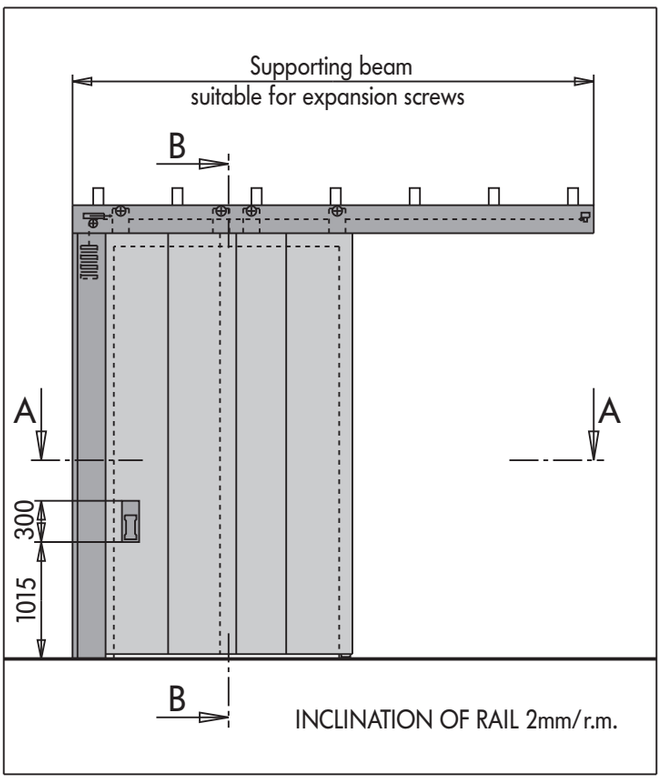


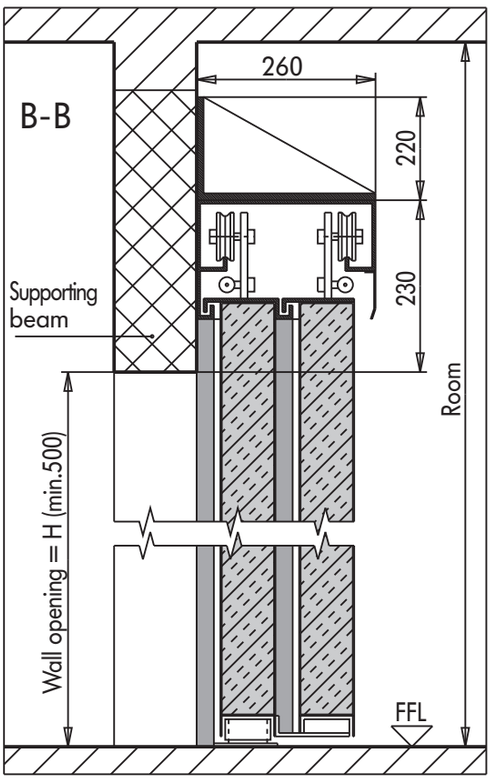
Opening right (DX) single-leaf door

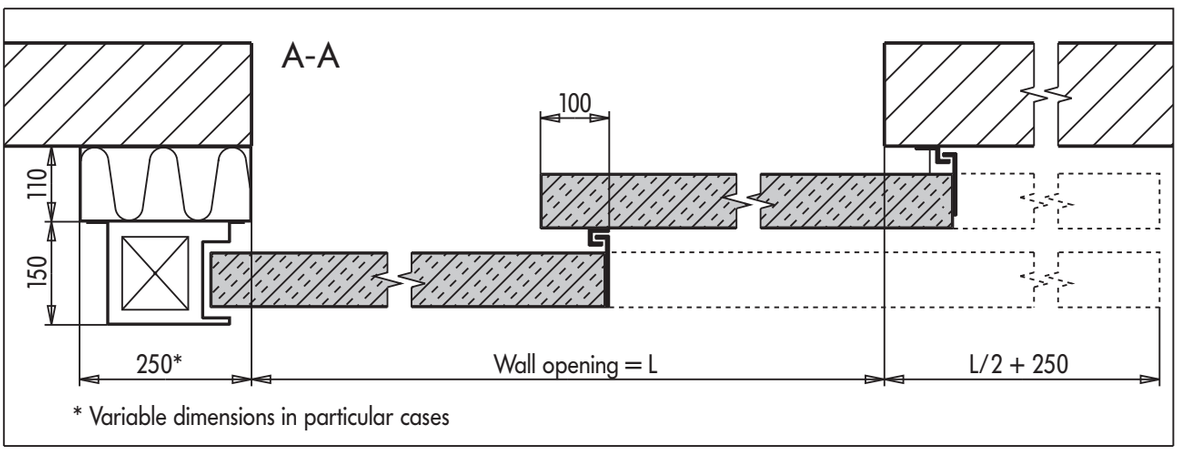


SECTIONS

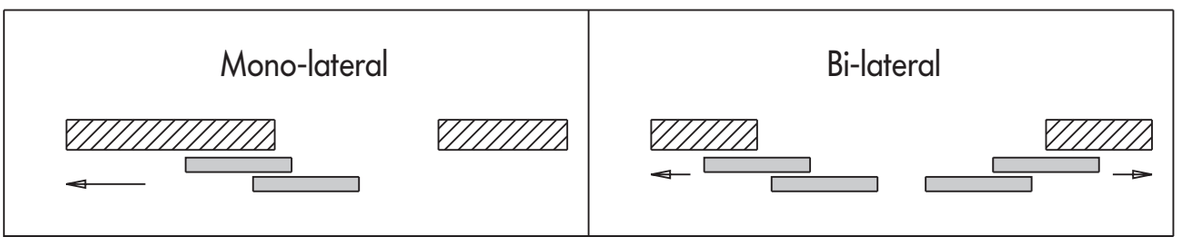
REI 120 telescopic sliding door

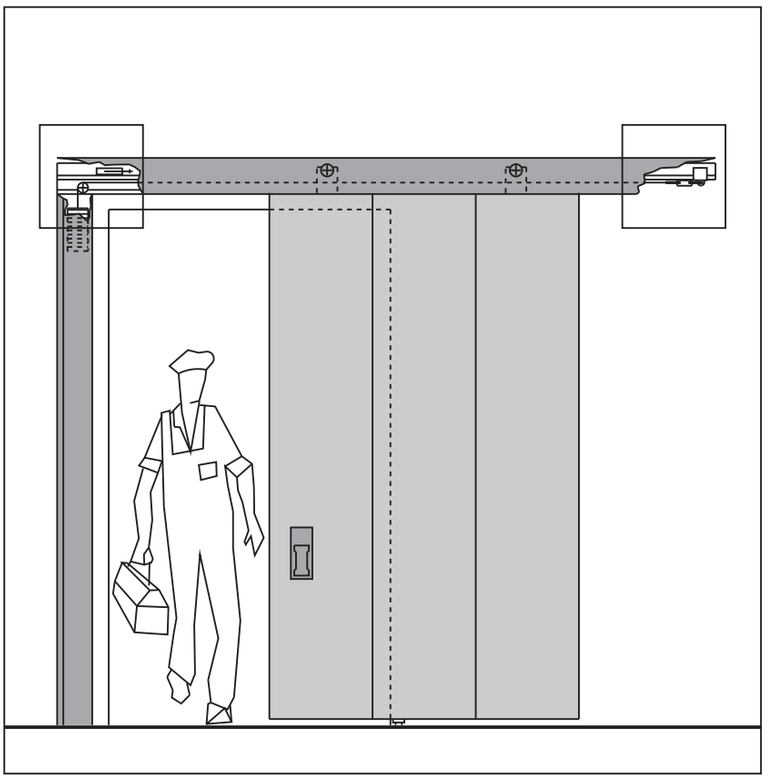


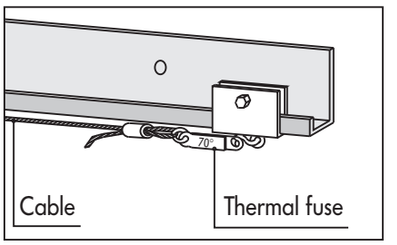


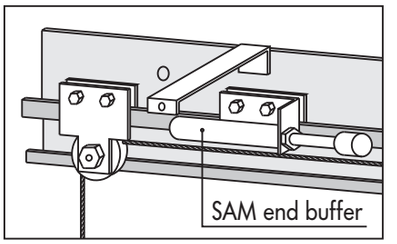


CHARACTERISTICS

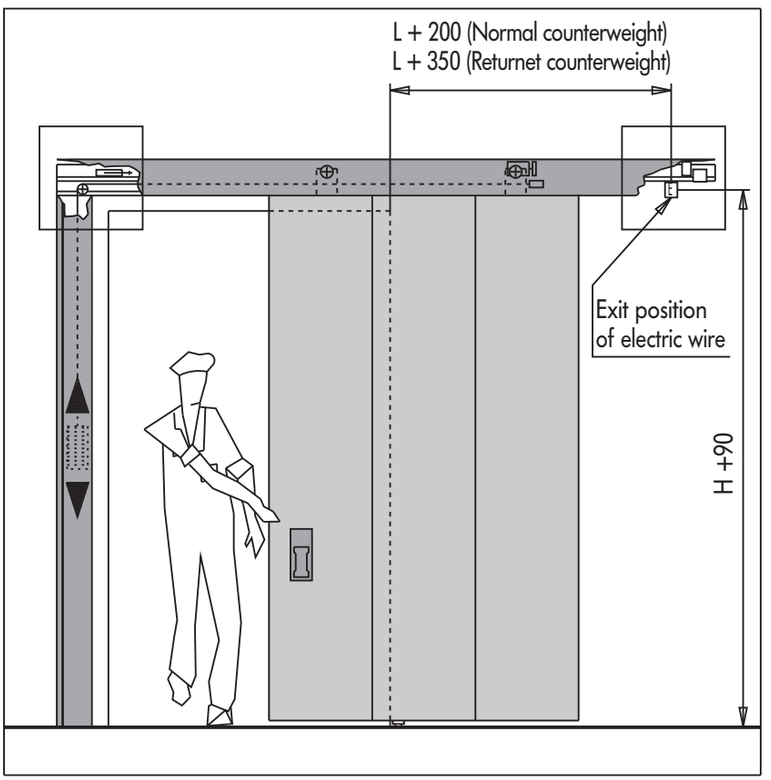


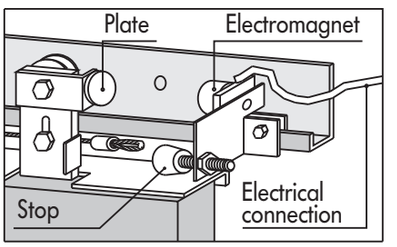


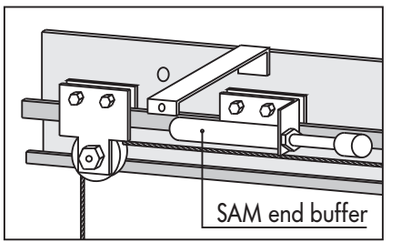




Door leaves fitted with **thermal fuses** are not affected by the counterweight in normal use. The final closing impact is absorbed by the damper.



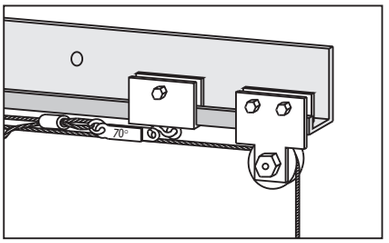


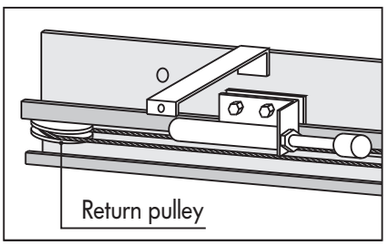


Door leaves fitted with **electro-magnets** are always affected by the counterweight. They can be either held open by the electro-magnet or pulled shut by the counterweight.

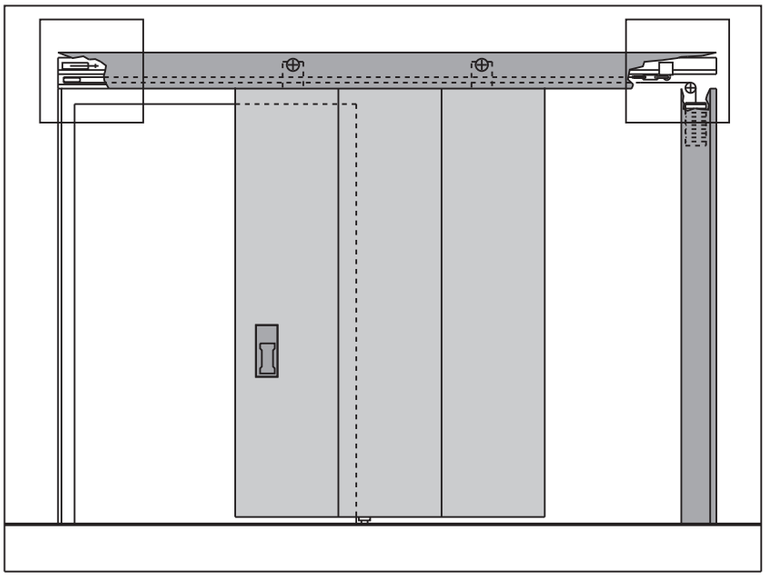
OPTIONALS

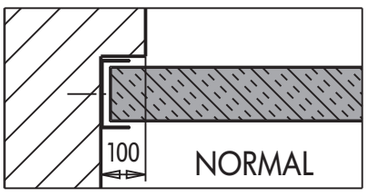
Returned counterweight and braking device

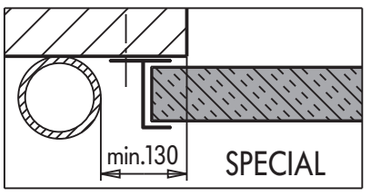


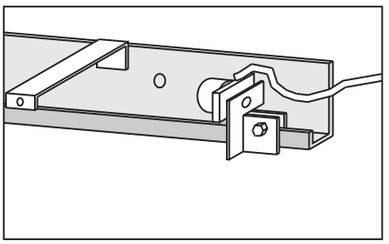


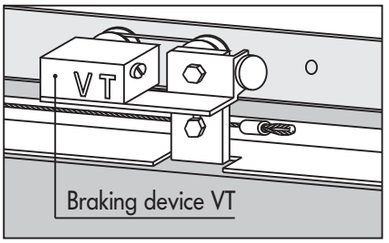
Sliding doors can be supplied with **returned counterweight** on request, should the encumbrances at the closing side of the door make it necessary. However, the 100 mm overlap of the leaf must be guaranteed. Indicate in the orders NORMAL or SPECIAL joint.



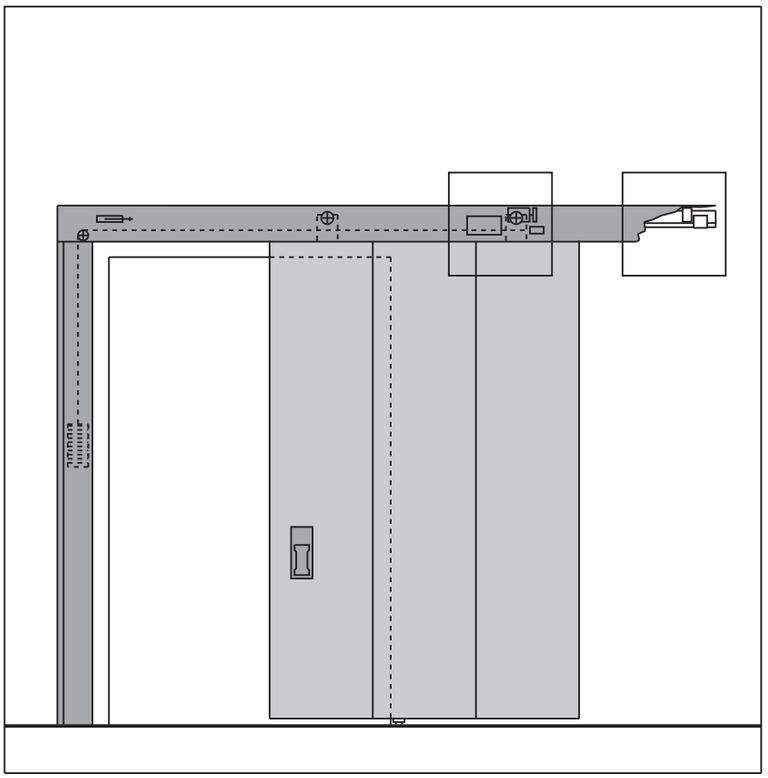


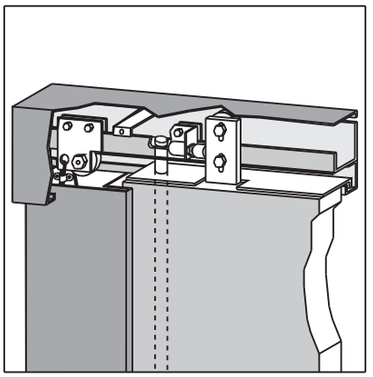


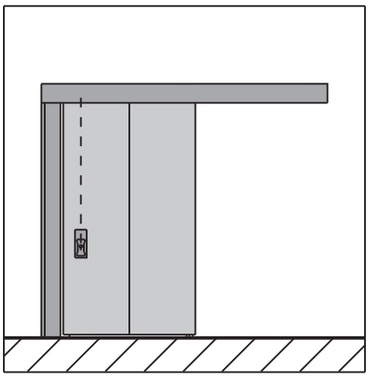




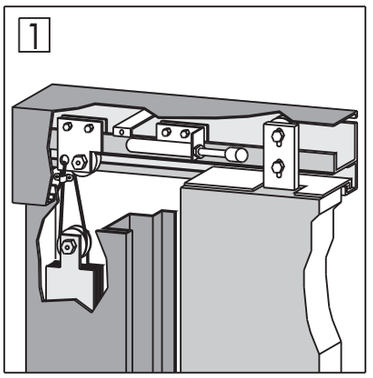
The fitting of a **braking device** on all doors is recommended in the interests of safety.

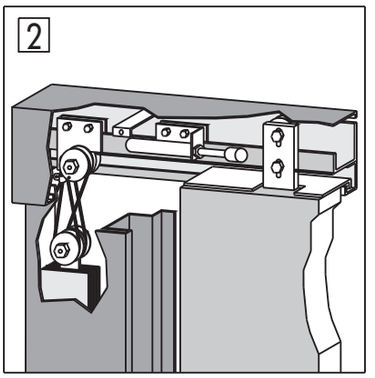




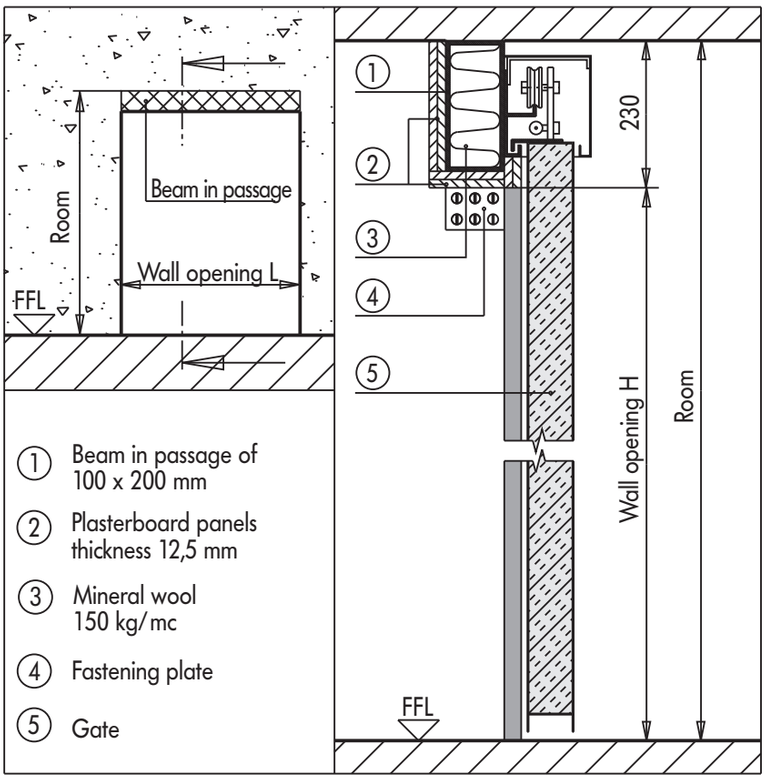


On request sliding doors can be fitted with a **night lock** (not included in certificate).





Door elements with a width of more than (height H - 800 mm) x 2 must be fitted with a **pulley** (1) to ensure the complete closing of the door.
Standard pulley is used up to a maximum width of (height H - 800 mm) x4.
Special pulley (2) equipped with multiplier are used up to a maximum width of (height H - 1150 mm) x 6.
Encumbrance of protection cover approx. 350 mm.



A **beam with a span** of 100 x 200 mm is applicable for single and double leaf sliding door elements in accordance with REI 120.
The beam is supplied prepared for the fixing to one side. With an L over 2500 mm also, fixing to the ceiling is prepared. The covering of the beam with two panels of 12,5 mm plasterboard is the responsibility of the customer.

Warning:
Encumbrance of the sliding rail to install on insulated steel beam = 230 mm.

Encumbrance of the sliding rail to install on reinforced concrete beam = 230 mm.

NINZ® FIREDOORS

GLAZED DOORS

GLAZED FIRM WINDOWS

REI 30 - REI 60

REI 90 - REI 120

GLAZED DOORS INDEX

Considering the weight of glazed doors the load of walls and beams must be verified (REI 30 = 45kg/m^2, REI 60 = 70kg/m^2, REI 90 = 130kg/m^2, REI 120 = 140kg/m^2).
Our technical office, is at your disposal for any other explanation or enquiries, and provides the forms for orders or offers.

Ninz maintains the right to introduce technical modifications any time without prior notice.
All dimensions are expressed in mm.

Fire break doors are normally installed to compartmentalize the inside of buildings and for that built for that purpose.
- **REI glass becomes opaque if exposed to the sun rays.**
- **REI glass deteriorates if exposed to the atmosphere.**

Should the materials be installed in a place even with partial exposure to sun rays, appropriate colours and glasses have to be used; in these cases contact our technical department for instructions.

Fire rated glass due to its production process may have some aesthetic defects which cannot be claimed by client.

N.B. where the secondary door leaf L2 is smaller than 600 mm or the wall opening is less than 1200 mm, the closing device is installed on the opposite side to the hinges and can only be opened up to an angle of 110 degrees.

Glazed fire break doors certified according to the UNI 9723 norm are available in single and double leaf versions and in complex systems REI 30, REI 60, REI 90 and REI 120.
Colours which are always available include:

	for glazed steel window	for glazed alu window
White	RAL 9010	RAL 9010
White aluminium	RAL 9006	
Grey light	RAL 7035	RAL 7035
Black	RAL 9005	
Green	RAL 6005	RAL 6005
Red	RAL 3000	RAL 3000
Blue	RAL 5010	RAL 5010
Brown	RAL 8017	RAL 8017
Ivory	RAL 1013	RAL 1013
Pastel turquoise clear	NCS 4020-B50G	
Aluminium	Ox Silver, clear bronze, brown, black	

WARNING: standard colours Ninz (NCS4020-B50G and NCS5020-B50G) are not carried out on aluminium glazed doors. Other tones are made to request only.

SPECIFICATIONS/ENCUMBRANCES

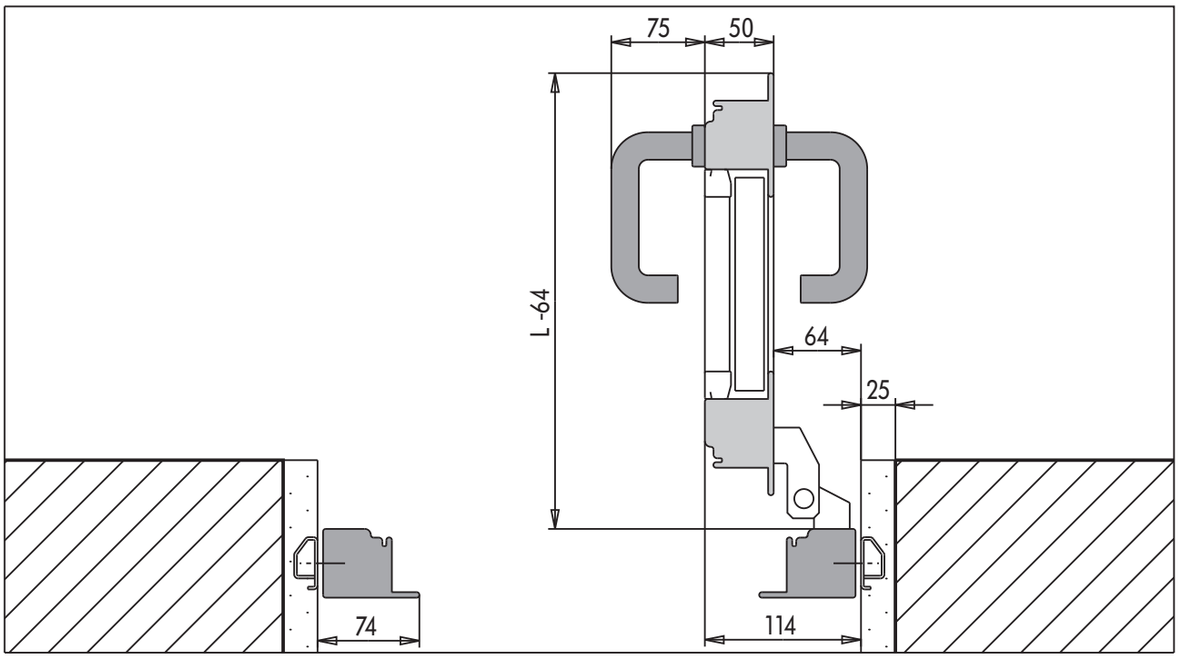
Glazed REI 30 and REI 60 single-leaf doors, steel

Glazed REI 30 and REI 60 single-leaf door, of steel profiles in accordance with UNI9723 consisting of:

- ❏ Fireproof frame construction GLAZED 30 or 60 minutes, made of cold profiled steel tubing system 1,5 mm thickness, insulated inside with a non-organic silicate compound without asbestos, provided with rebates for self-expanding and rubber gaskets. Total thickness of profile 50 mm.
- ❏ Heavy steel hinges 3 wings fixed with screws to the frame, ball-bearing type with stainless steel pivot.
- ❏ Self-latching lock, release by rotation of handle.
- ❏ Yale lock cylinder in nickle bronze.
- ❏ Stainless steel fire proof door handle fitted at a height of 1040 mm above the finished floor and at 900 mm in combination with a PUSH handle.
- ❏ Overhead door closer for the self-closing of leaf.
- ❏ Self expanding and rubber gaskets.
- ❏ Extra clear panes of fire proof float glass interposed with immflammable thermally expanding material, total thickness of the glass for REI 30 approx. 15 mm and for REI 60 approx. 23 mm.
- ❏ Thermally powder coated surface treatment.
- ❏ Assembled on galvanised tubular concealed frame, with anchors to be fixed by mortar which should be to be ordered seperately.
- ❏ Maximum dimensions: 1410 x 2610 mm
  1450 x 2500 mm
- ❏ Minimum dimension for leaf with anti-panic crossbar: L = 650 mm.

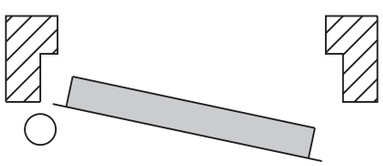
N.B.
- The colours available as standard finishes are listed on the "surface treatment" page of the current catalogue.
- FFL = Finished floor level

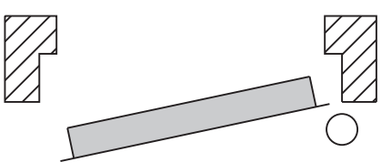
The client must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (= wall opening 2074 mm).



Opening left (SX) - single-leaf doof

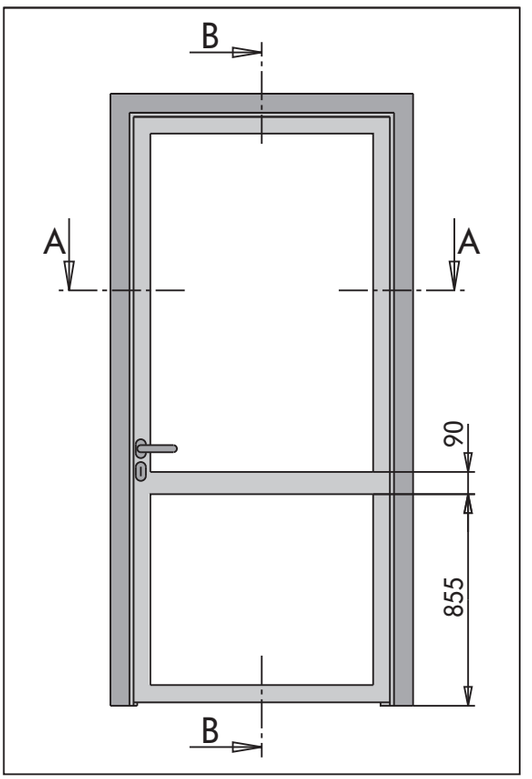
Opening right (DX) - single-leaf door

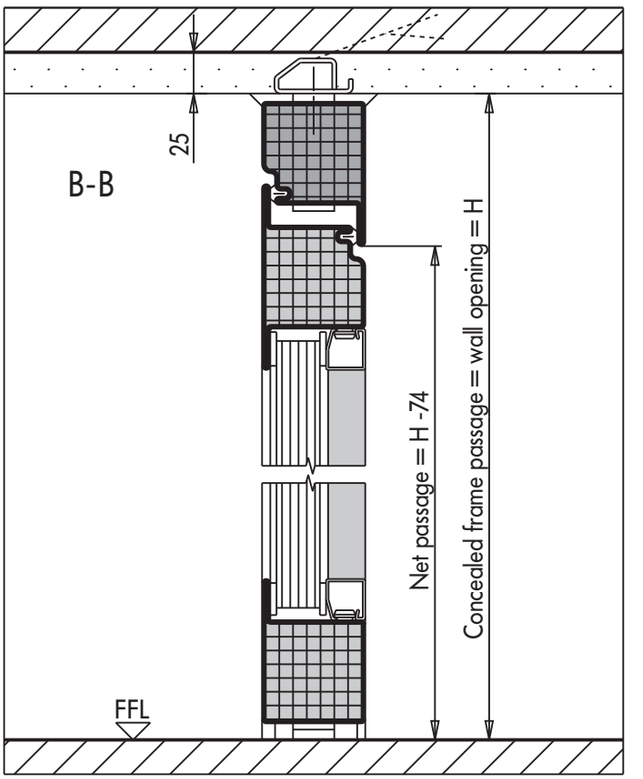


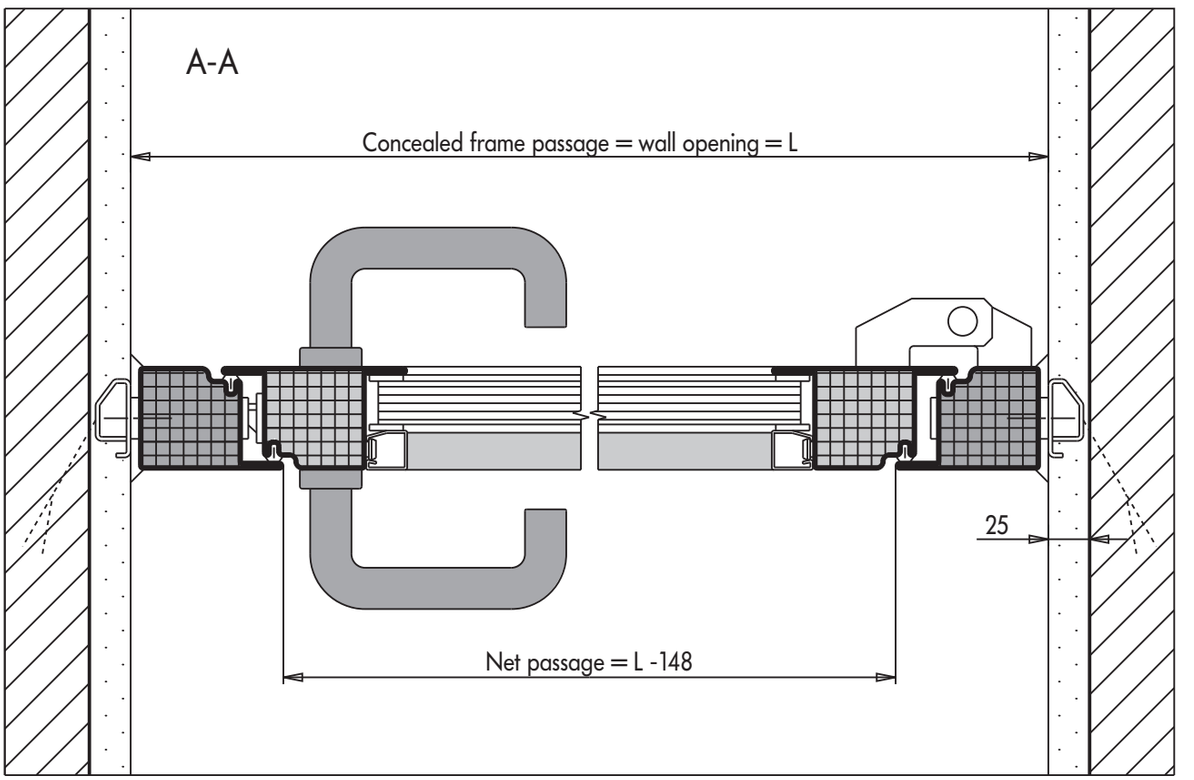


SECTIONS

Glazed REI 30 and REI 60 single-leaf doors, steel







SPECIFICATIONS/ENCUMBRANCES

Glazed REI 30 and REI 60 double-leaf doors, steel

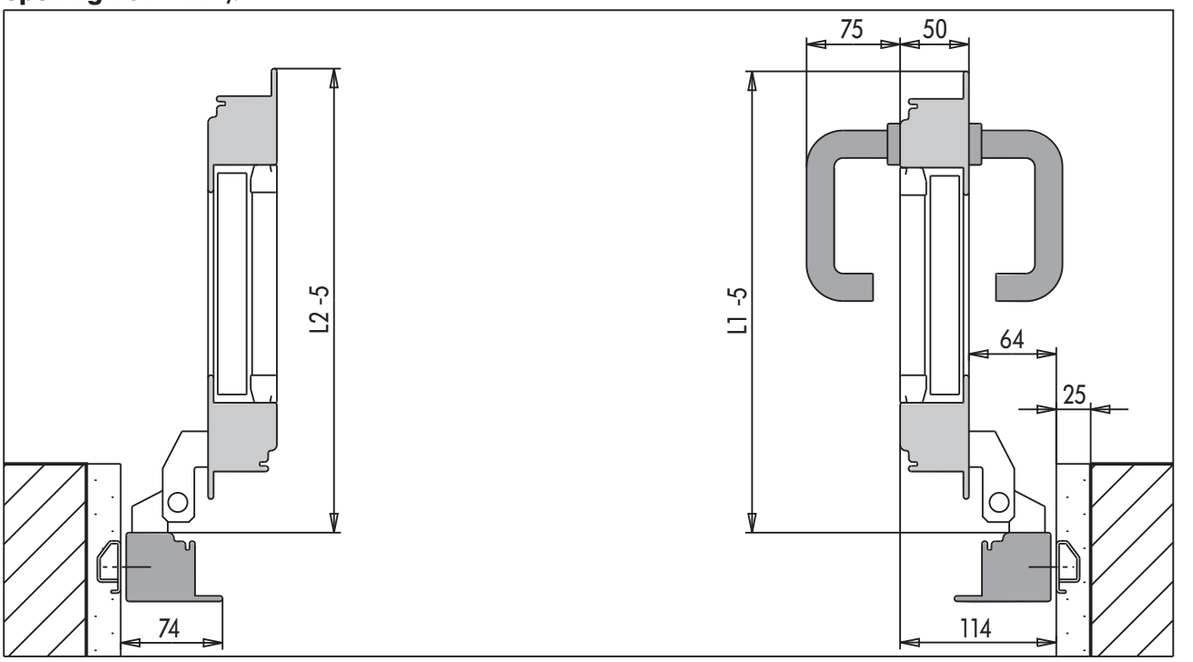
Glazed REI 30 and REI 60 double-leaf door, of steel profiles in accordance with UNI9723 consisting of:

- ❑ Fire break framework construction GLAZED 30 or 60 minutes, made of cold profiled steel tubing system 1,5 mm thickness, insulated inside with a non-organic silicate compound without asbestos, having gaps to contain self-expanding and rubber gaskets. Total thickness of profile 50 mm.
- ❑ Heavy steel hinges 3 wings fixed with screws to the frame, ball-bearing type with stainless steel pivot.
- ❑ Self-latching lock, release by rotation of handle.
- ❑ Yale lock cylinder in nickle bronze.
- ❑ Stainless steel fire proof door handle fitted at a height of 1040 mm above the finished floor and at 900 mm in combination with a PUSH handle.
- ❑ Overhead door closer for the self-closing of the leaf.
- ❑ Self-locking mechanism on secondary leaf and sequencer in sight for double leaf doors.
- ❑ Self expanding and rubber gaskets.
- ❑ Extra clear panes of fire proof float glass interposed with immflammable thermally expanding material, total thickness of the glass for REI 30 approx. 15 mm and for REI 60 approx. 23 mm.
- ❑ Thermallly powder coated surface treatment.
- ❑ Assembled on galvanised tubular concealed frame, with anchors to be fixed by mortar which should be to be ordered seperately.
- ❑ Maximum dimensions 2700 x 2610 mm.
- ❑ Minimum dimension for leaf with anti-panic crossbar:

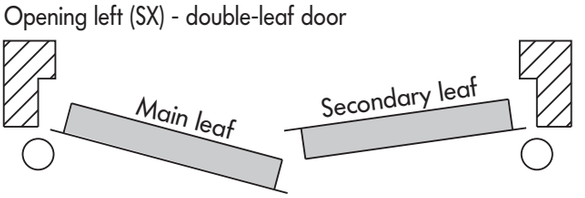
	asymmetric leaves	**symmetric leaves**
Anti-panic crossbar Twist Taurus BM for main leaf	min 800 mm	min 600 mm
Anti-panic crossbar Twist Taurus A for secondary leaf	min 400 mm	min 600 mm
Anti-panic crossbar Cisa Touch-bar BM for main leaf	min 800 mm	min 600 mm
Anti-panic crossbar Cisa Touch-bar A for secondary leaf	min 400 mm	min 600 mm

N.B.
- The colours available as standard finishes are listed on the “surface treatment” page of the current catalogue.
- FFL = Finished floor level

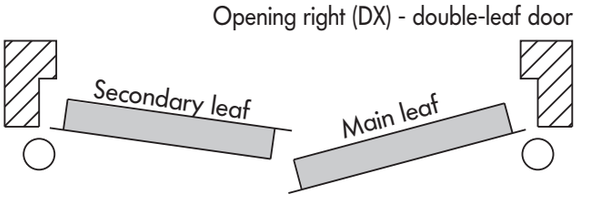
The client must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (= wall opening 2074 mm).



Opening left (SX) - double-leaf door

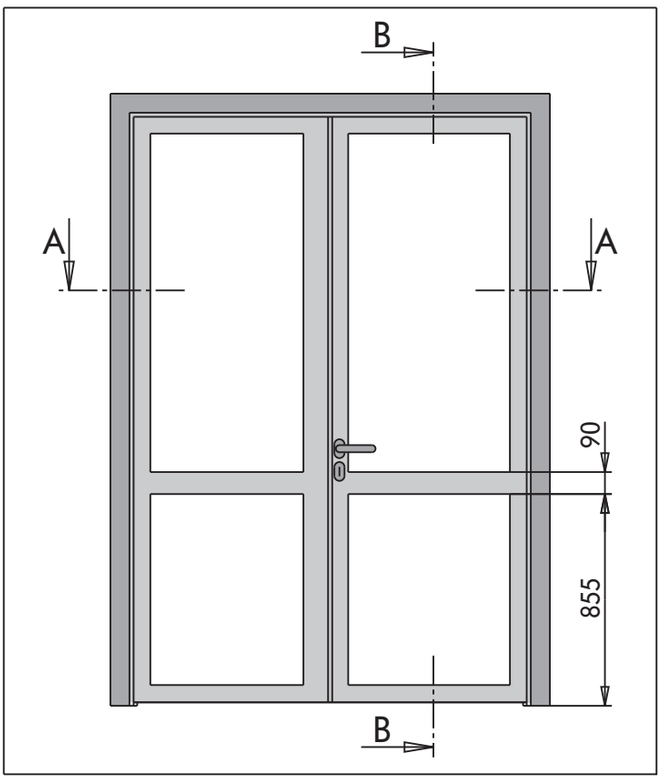


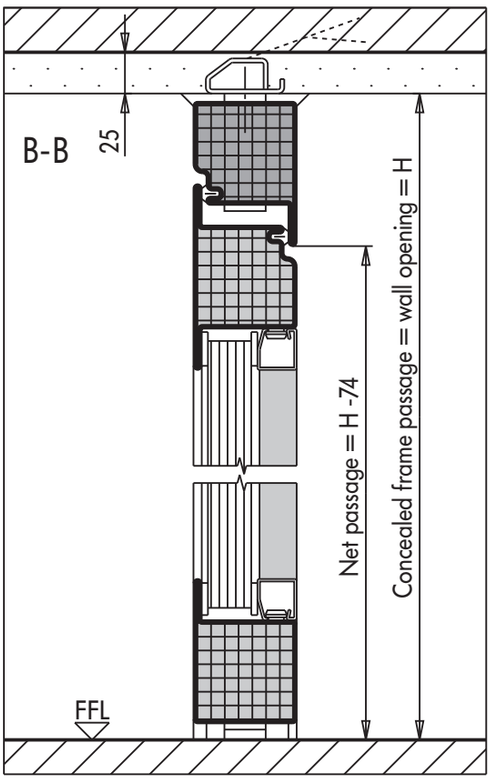
Opening right (DX) - double-leaf door

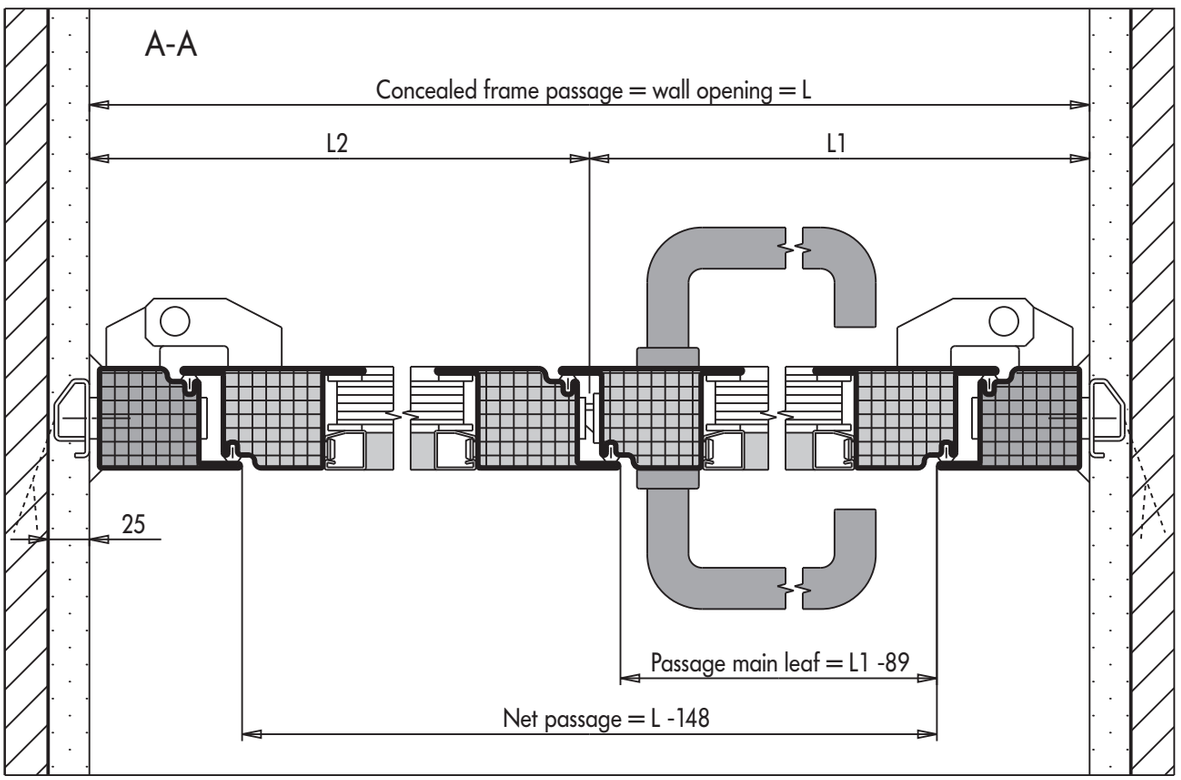


SECTIONS

Glazed REI 30 and REI 60 double-leaf doors, steel







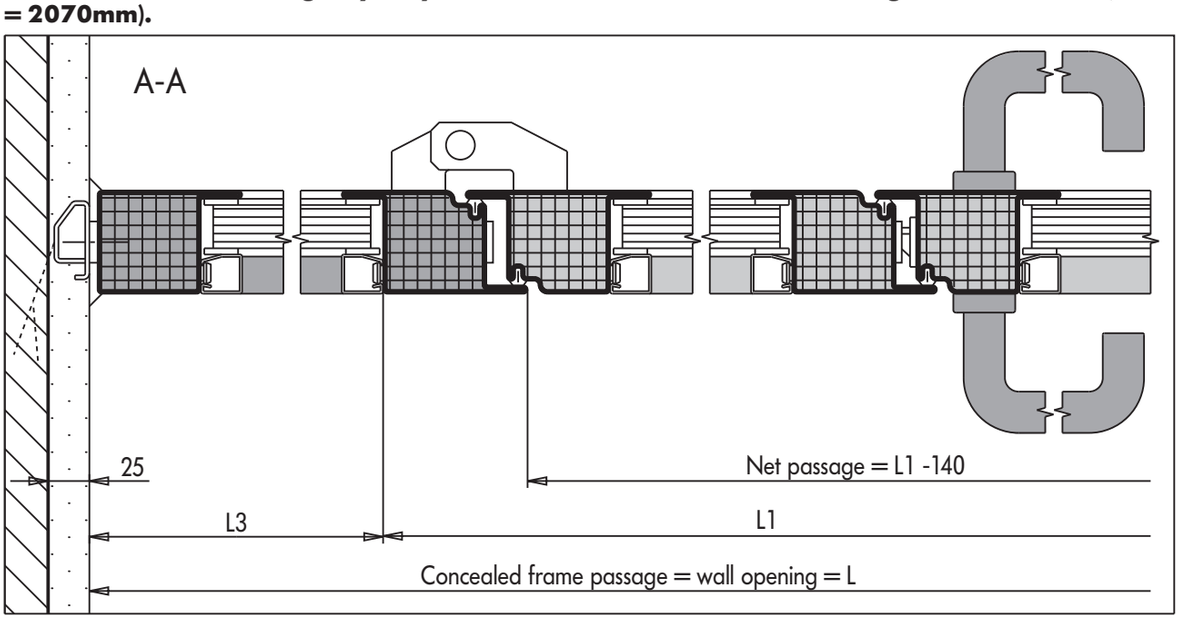
Glazed complex REI 30 and REI 60 door, of steel profiles in accordance with UNI9723 consisting of:

- ❏ Fireproof frame construction GLAZED 30 or 60 minutes, made of cold profiled steel tubing system 1,5 mm thickness, insulated inside with a non-organic silicate compound without asbestos, provided with rebates for self-expanding and rubber gaskets. Total thickness of profile 50 mm.
- ❏ Heavy steel hinges 3 wings fixed with screws to the frame, ball-bearing type with stainless steel pivot.
- ❏ Self-latching lock, release by rotation of handle.
- ❏ Yale lock cylinder in nickle bronze.
- ❏ Stainless steel fire proof door handle fitted at a height of 1040 mm above the finished floor and at 900 mm in combination with a PUSH handle.
- ❏ Overhead doorcloser for the self-closing of leaf.
- ❏ Self-locking mechanism on secondary leaf and sequencer in sight for double leaf doors.
- ❏ Self expanding and rubber gaskets.
- ❏ Extra clear panes of fire proof float glass interposed with immflammable thermally expanding material, total thickness of the glass for REI 30 approx. 15 mm and for REI 60 approx. 23 mm.
- ❏ Thermally powder coated surface treatment.
- ❏ Assembled on galvanised tubular concealed frame, with anchors to be fixed by mortar which should be to be ordered seperately.
- ❏ Minimum dimension for leaf with anti-panic crossbar:

	asymmetric leaves	**symmetric leaves**
Anti-panic crossbar Twist Taurus BM for main leaf	min 800 mm	min 600 mm
Anti-panic crossbar Twist Taurus A for secondary leaf	min 400 mm	min 600 mm
Anti-panic crossbar Cisa Touch-bar BM for main leaf	min 800 mm	min 600 mm
Anti-panic crossbar Cisa Touch-bar A for secondary leaf	min 400 mm	min 600 mm

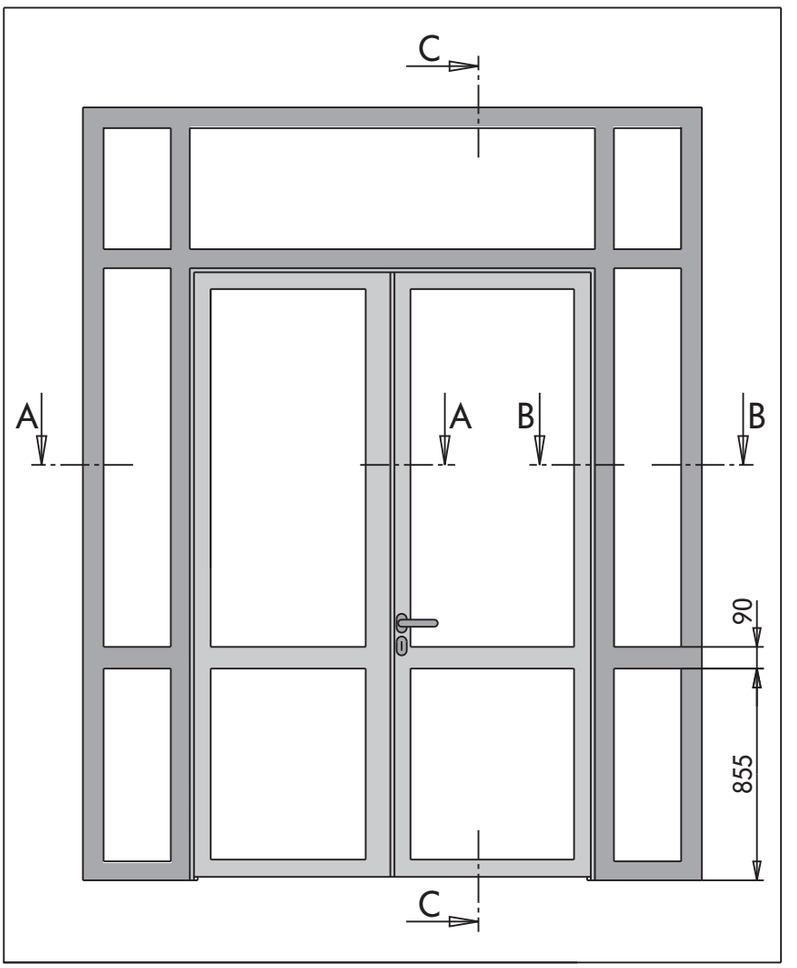
N.B.
- The colours available as standard finishes are listed on the “surface treatment” page of the current catalogue.
- FFL = Finished floor level.

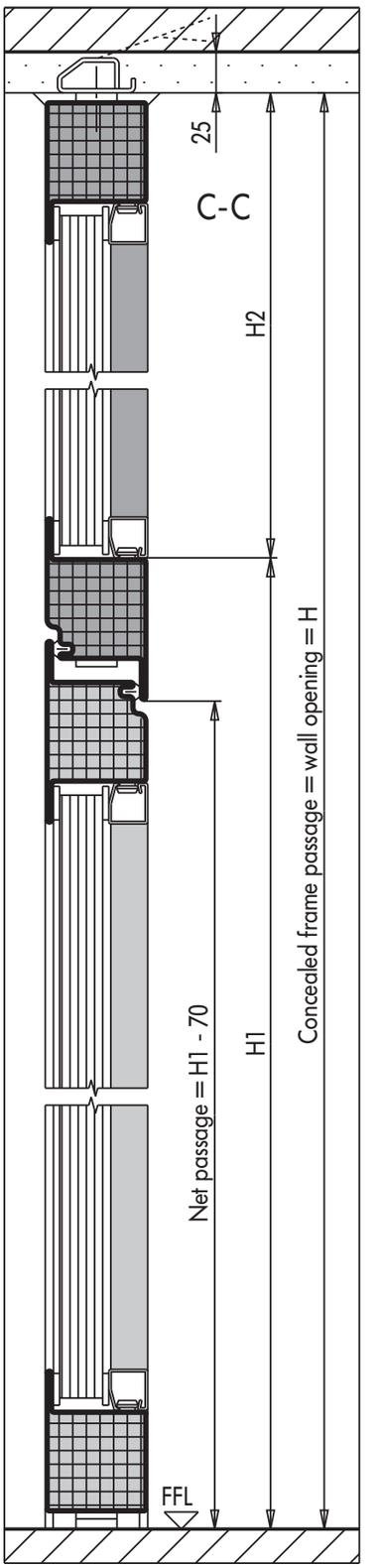
The client must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (= H1 = 2070mm).

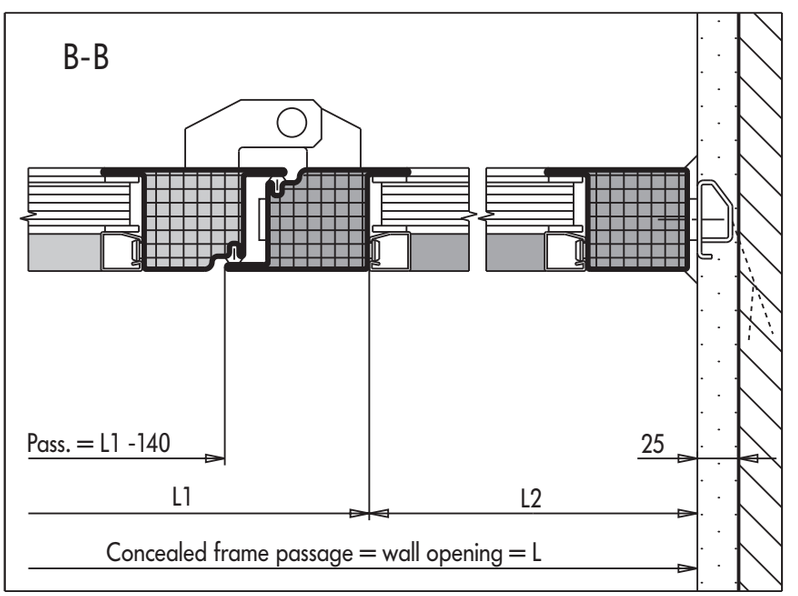


SECTIONS

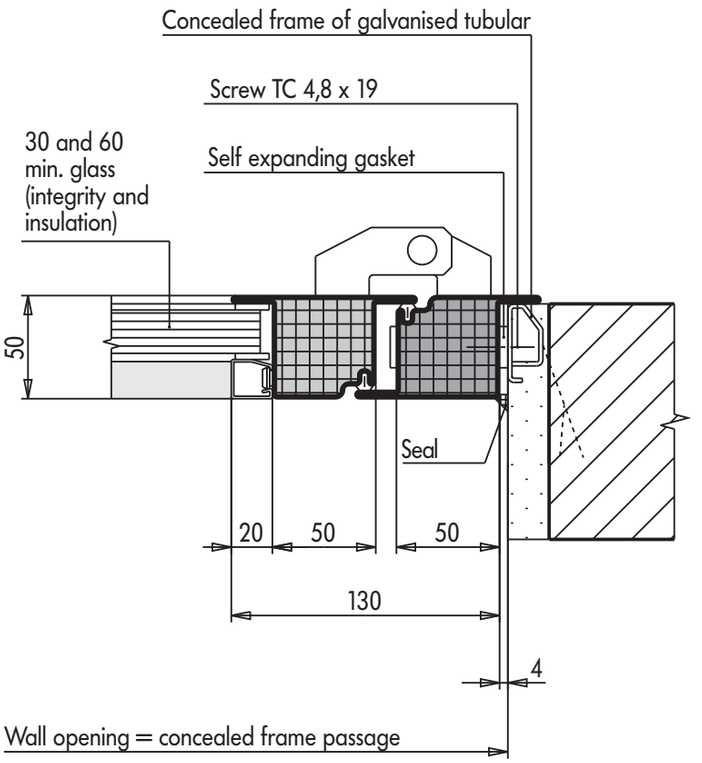
Glazed complex REI 30 and REI 60 doors, steel



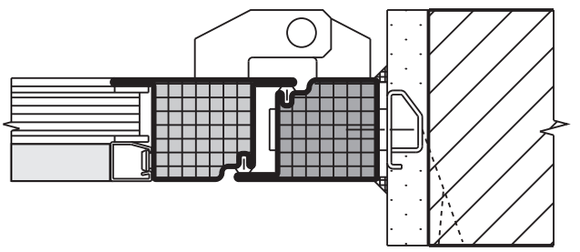




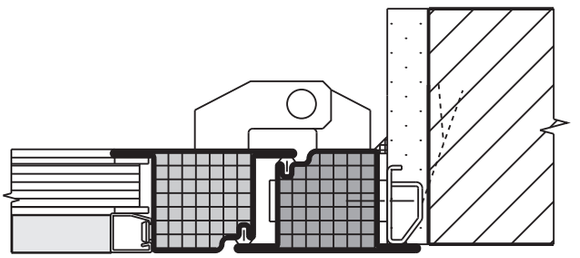
1 External rest assemble



2 Corridor assemble



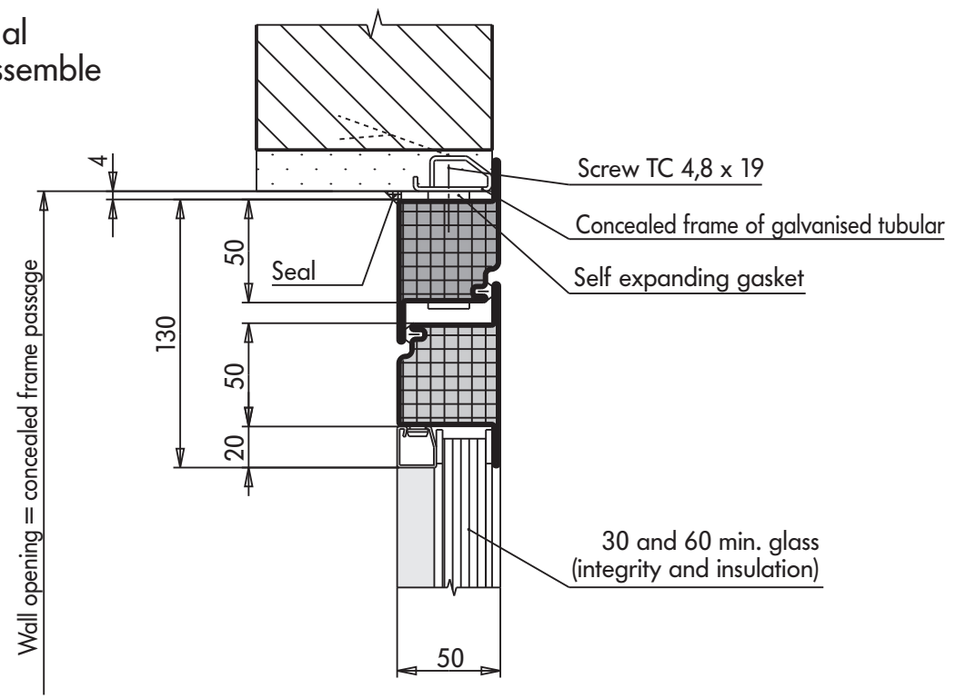
3 Internal rest assemble



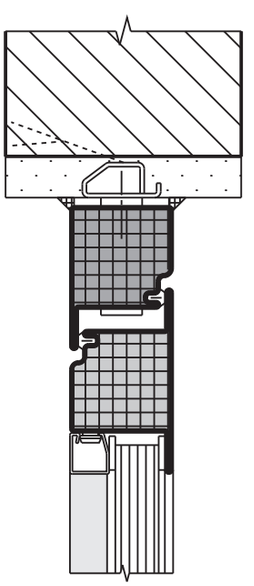
INSTALLATIONS

Glazed REI 30 and REI 60 doors, steel / Vertical sections

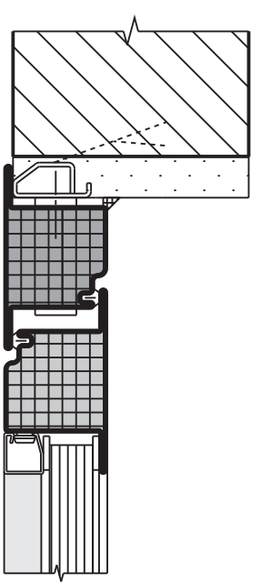
1 External rest assemble



2 Corridor assemble



3 Internal rest assemble



SPECIFICATIONS/ENCUMBRANCES

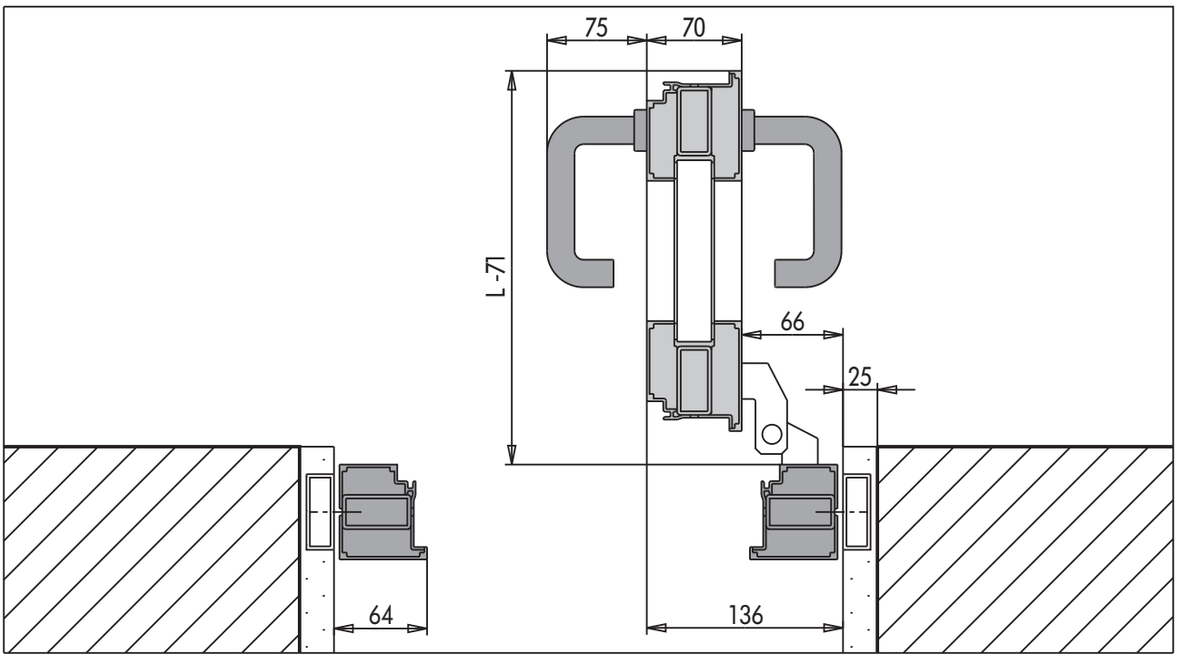
Glazed REI 60 single-leaf doors, aluminium

Glazed REI 60 single-leaf door, of aluminium profiles in accordance with UNI9723 consisting of:

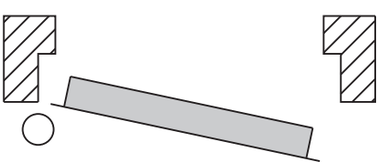
- ❏ Fireproof frame construction GLAZED 60 minutes, made of cold profiled steel tubing system 1,5 mm thickness, insulated inside with a non-organic silicate compound without asbestos, provided with rebates for self-expanding and rubber gaskets. Total thickness of profile 70 mm.
- ❏ Heavy steel hinges 2 wings fixed with screws to the frame, ball-bearing type with stainless steel pivot.
- ❏ Self-latching lock, release by rotation of handle.
- ❏ Yale lock cylinder in nickle bronze.
- ❏ Stainless steel fire proof door handle fitted at a height of 1040 mm above the finished floor and at 965 mm in combination with a PUSH handle.
- ❏ Overhead door closer for the self-closing of leaf.
- ❏ Self expanding and rubber gaskets.
- ❏ Extra clear panes of fire proof float glass interposed with immflammable thermally expanding material, total thickness of the glass for REI 60 approx. 23 mm.
- ❏ Thermally powder coated surface treatment.
- ❏ Assembled on galvanised tubular concealed frame, with anchors to be fixed by mortar which should be to be ordered seperately.
- ❏ Maximum dimensions 1450 x 2529 mm
  1427 x 2630 mm
- ❏ Minimum dimension for leaf with anti-panic crossbar: L = 650 mm.

N.B.
- The colours available as standard finishes are listed on the “surface treatment” page of the current catalogue.
- FFL = Finished floor level.

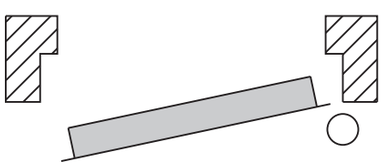
The client must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (= wall opening 2064 mm).



Opening left (SX) - single-leaf door

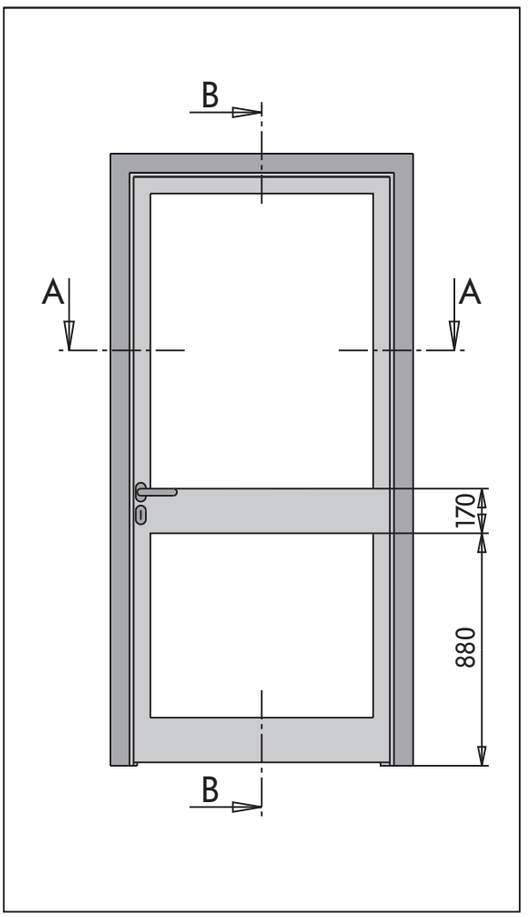


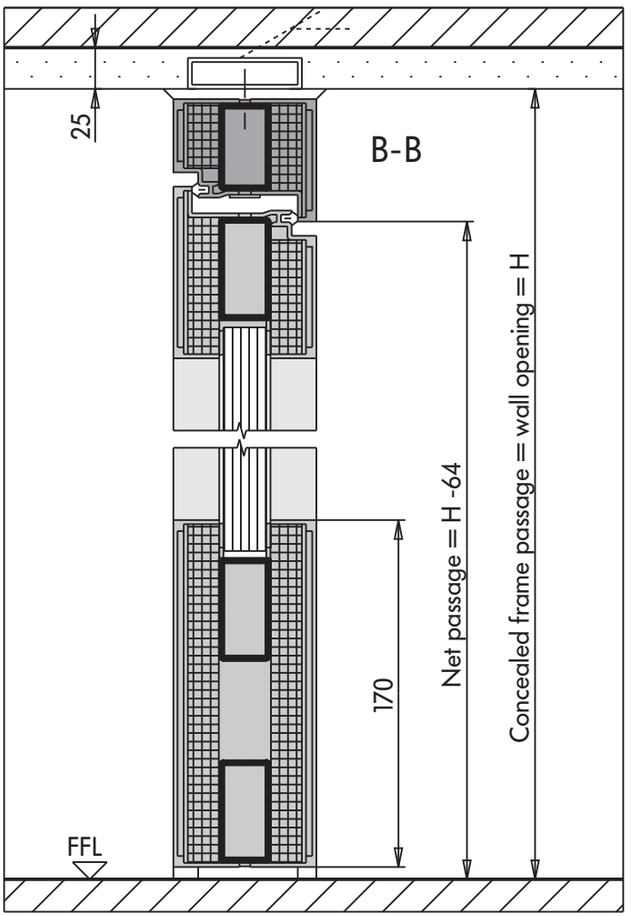
Opening right (DX) - single-leaf door

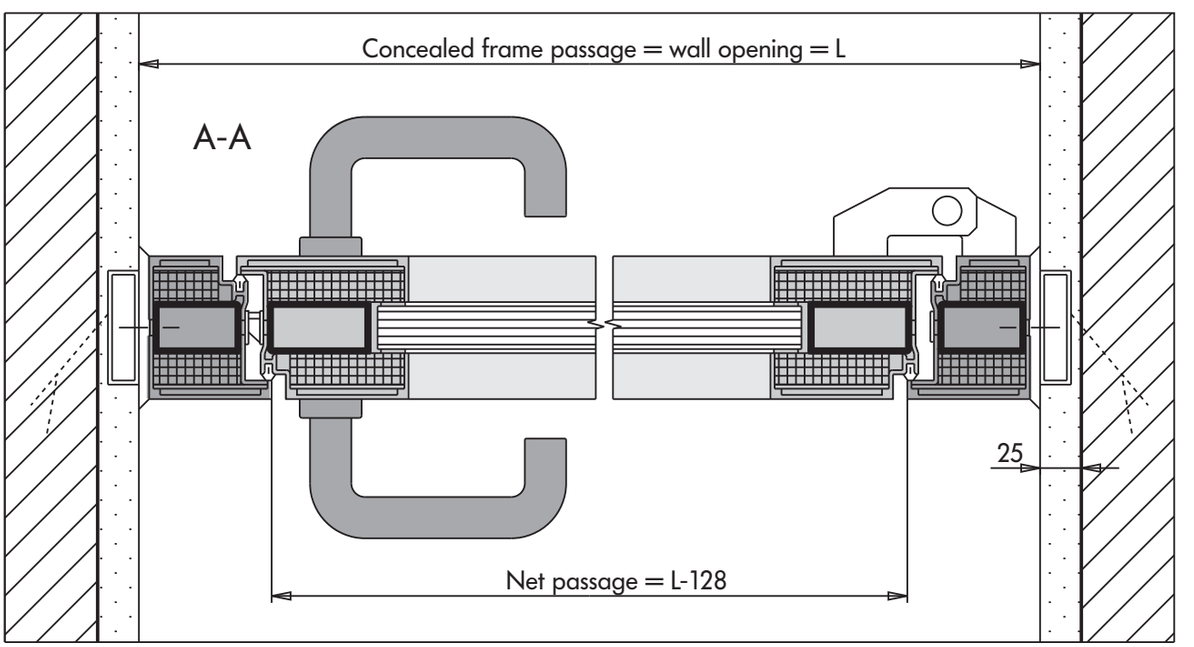


SECTIONS

Glazed REI 60 single-leaf doors, aluminium







NINZ® FIREDOORS

SPECIFICATIONS/ENCUMBRANCES

Glazed REI 60 double-leaf doors, aluminium

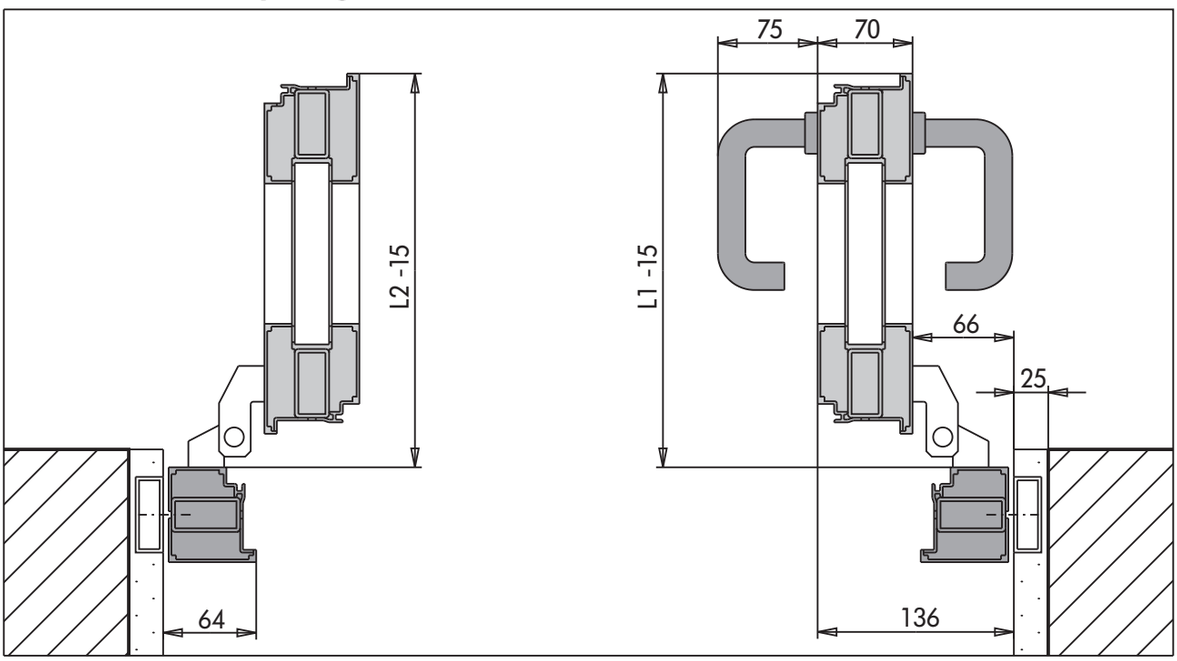
Glazed REI 60 double-leaf door, of aluminium profiles in accordance with UNI9723 consisting of:

- ❑ Fireproof frame construction GLAZED 60 minutes, made of cold profiled steel tubing system 1,5 mm thickness, insulated inside with a non-organic silicate compound without asbestos, provided with rebates for self-expanding and rubber gaskets. Total thickness of profile 70 mm.
- ❑ Heavy steel hinges 2 wings fixed with screws to the frame, ball-bearing type with stainless steel pivot.
- ❑ Self-latching lock, release by rotation of handle.
- ❑ Yale lock cylinder in nickle bronze.
- ❑ Stainless steel fire proof door handle fitted at a height of 1040 mm above the finished floor and at 965 mm in combination with a PUSH handle.
- ❑ Overhead doorcloser for the self-closing of leaf.
- ❑ Self-locking mechanism on secondary leaf and sequencer in sight for double leaf doors.
- ❑ Self expanding and rubber gaskets.
- ❑ Extra clear panes of fire proof float glass interposed with immflammable thermally expanding material, total thickness of the glass for REI 60 approx. 23 mm.
- ❑ Thermally powder coated surface treatment.
- ❑ Assembled on galvanised tubular concealed frame, with anchors to be fixed by mortar which should be to be ordered seperately.
- ❑ Maximum dimensions 2740 x 2630 mm.
- ❑ Mimimum dimension for leaf with:

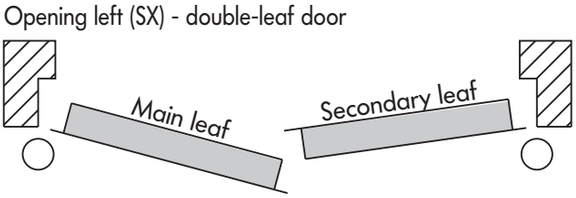
	asymmetric leaves	**symmetric leaves**
Anti-panic crossbar Twist Taurus BM for main leaf	min 900 mm	min 750 mm
Anti-panic crossbar Twist Taurus A for secondary leaf	min 600 mm	min 750 mm
Anti-panic crossbar Corni Push-bar BM for main leaf	min 900 mm	min 750 mm
Anti-panic crossbar Corni Push-bar A for secondary leaf	min 600 mm	min 750 mm

N.B.
- The colours available as standard finishes are listed on the “surface treatment” page of the current catalogue.
- FFL = Finished floor level.

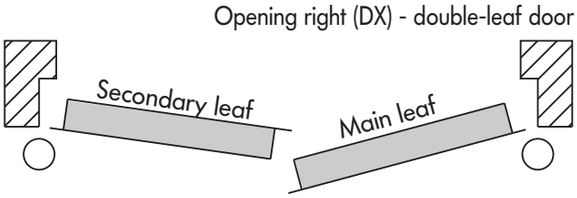
The client must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (= wall opening 2064 mm).



Opening left (SX) - double-leaf door

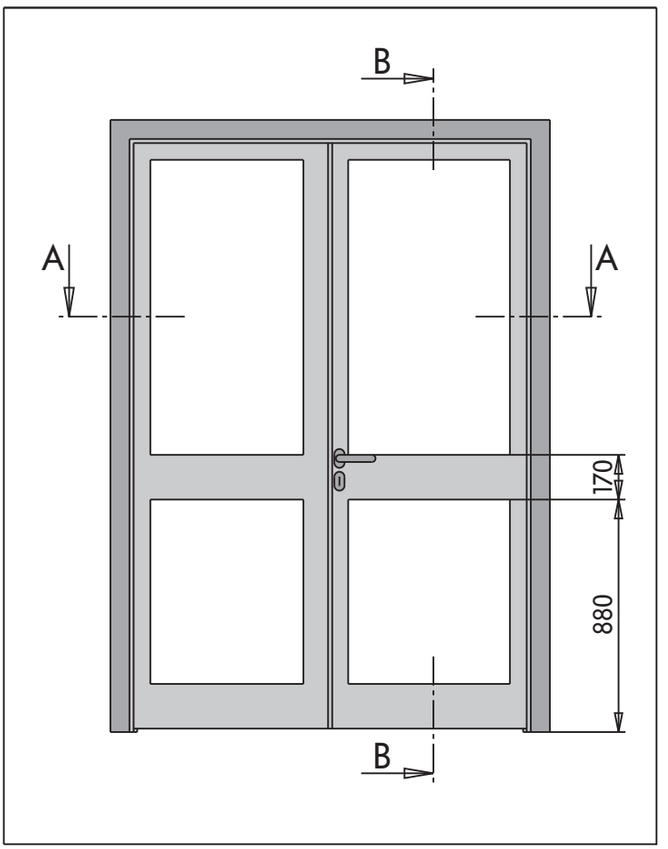


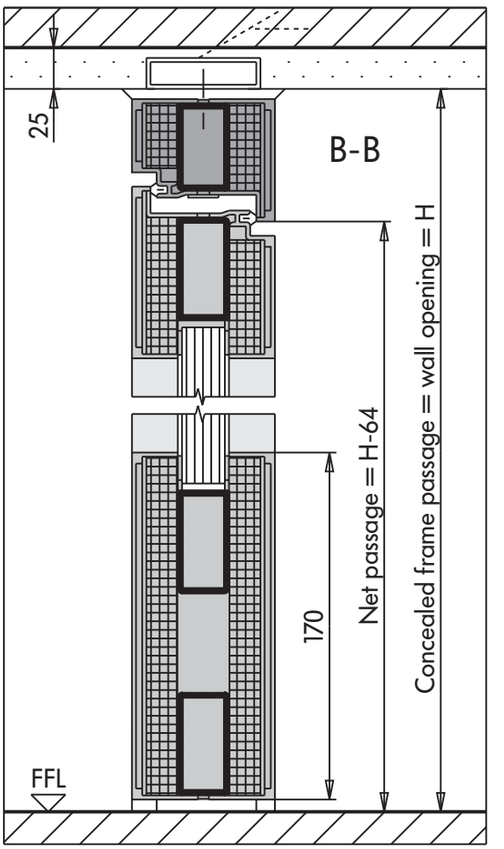
Opening right (DX) - double-leaf door

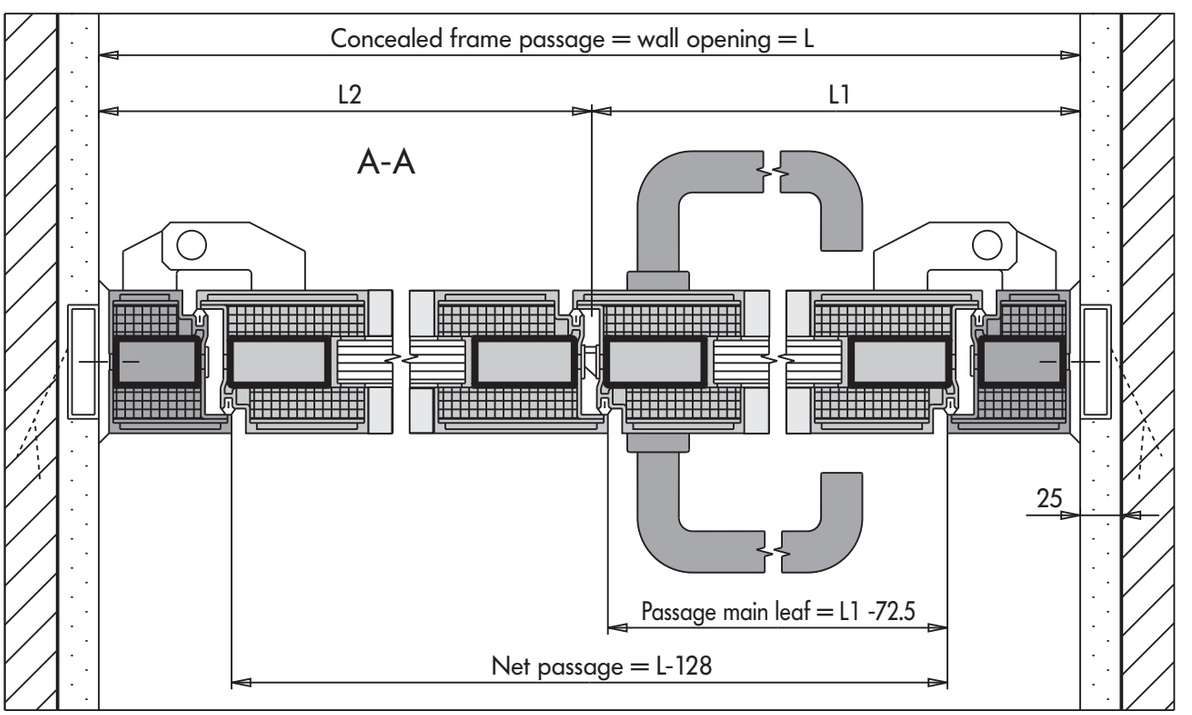


SECTIONS

Glazed REI 60 double-leaf doors, aluminium







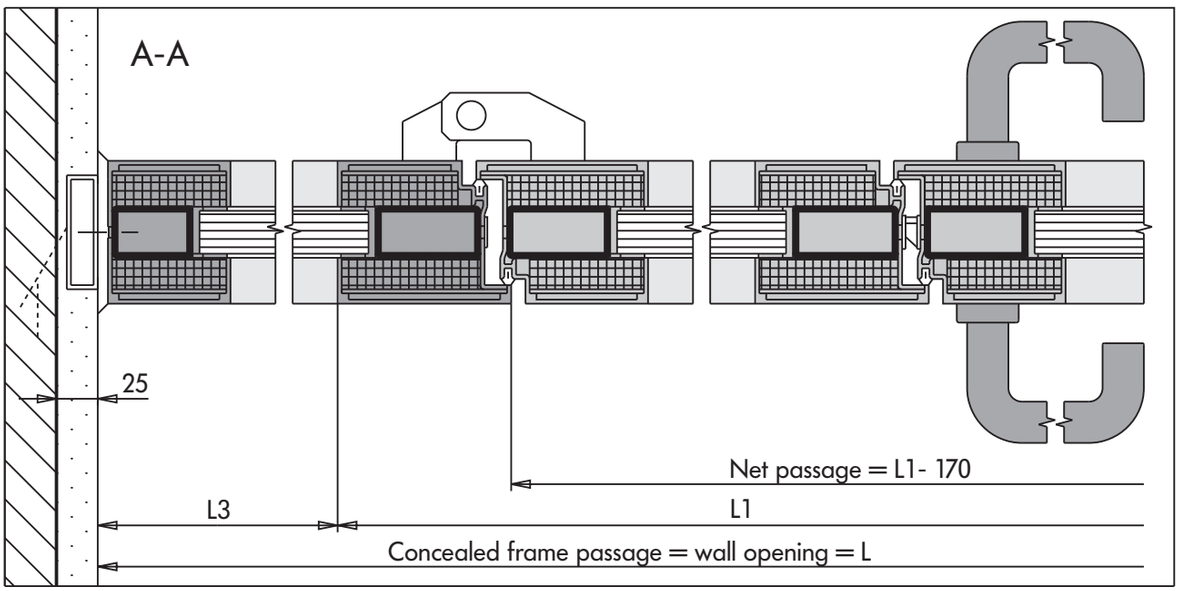
Glazed complex REI 60 door, of aluminium profiles in accordance with UNI9723 consisting of:

- ❏ Fireproof frame construction GLAZED 60 minutes, made of cold profiled steel tubing system 1,5 mm thickness, insulated inside with a non-organic silicate compound without asbestos, provided with rebates for self-expanding and rubber gaskets. Total thickness of profile 70 mm.
- ❏ Heavy steel hinges 2 wings fixed with screws to the frame, ball-bearing type with stainless steel pivot.
- ❏ Self-latching lock, release by rotation of handle.
- ❏ Yale lock cylinder in nickle bronze.
- ❏ Stainless steel fire proof door handle fitted at a height of 1040 mm above the finished floor and at 965 mm in combination with a PUSH handle.
- ❏ Overhead door closer for the self-closing of leaf.
- ❏ Self-locking mechanism on secondary leaf and sequencer in sight for double leaf doors.
- ❏ Self expanding and rubber gaskets.
- ❏ Extra clear panes of fire proof float glass interposed with immflammable thermally expanding material, total thickness of the glass for REI 60 approx. 23 mm.
- ❏ Thermally powder coated surface treatment.
- ❏ Assembled on galvanised tubular concealed frame, with anchors to be fixed by mortar which should be to be ordered seperately.
- ❏ Mimimum dimension for leaf with:

	asymmetric leaves	**symmetric leaves**
Anti-panic crossbar Twist Taurus BM for main leaf	min 900 mm	min 750 mm
Anti-panic crossbar Twist Taurus A for secondary leaf	min 600 mm	min 750 mm
Anti-panic crossbar Corni Push-bar BM for main leaf	min 900 mm	min 750 mm
Anti-panic crossbar Corni Push-bar A for secondary leaf	min 600 mm	min 750 mm

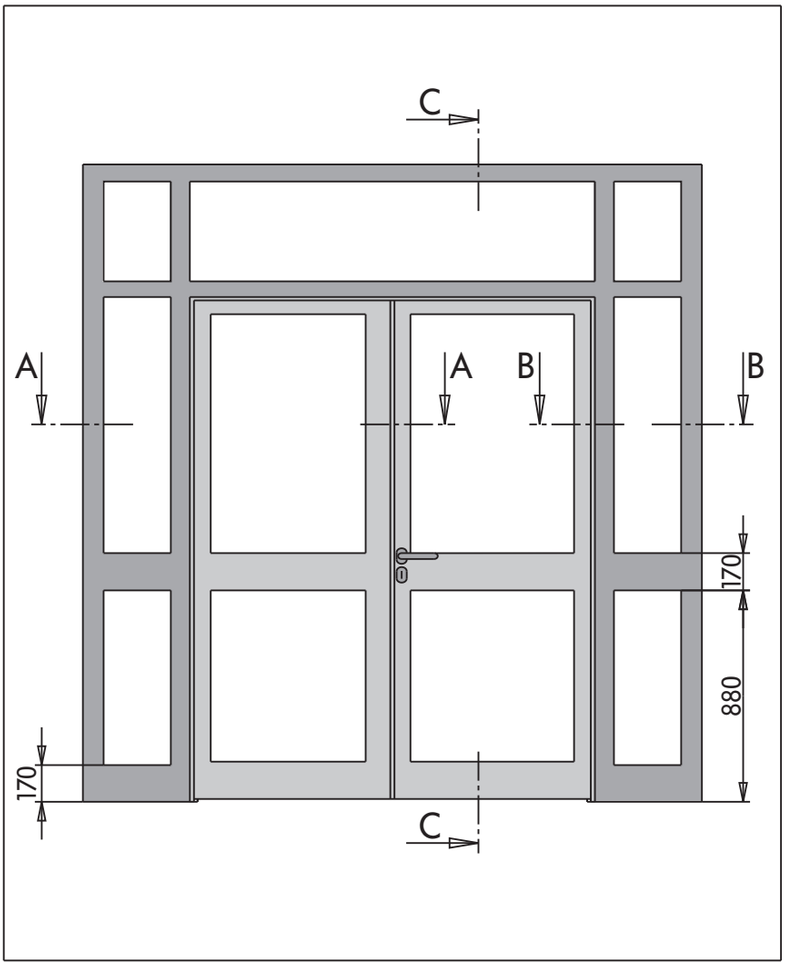
N.B.
- The colours available as standard finishes are listed on the “surface treatment” page of the current catalogue.
- FFL = Finished floor level.

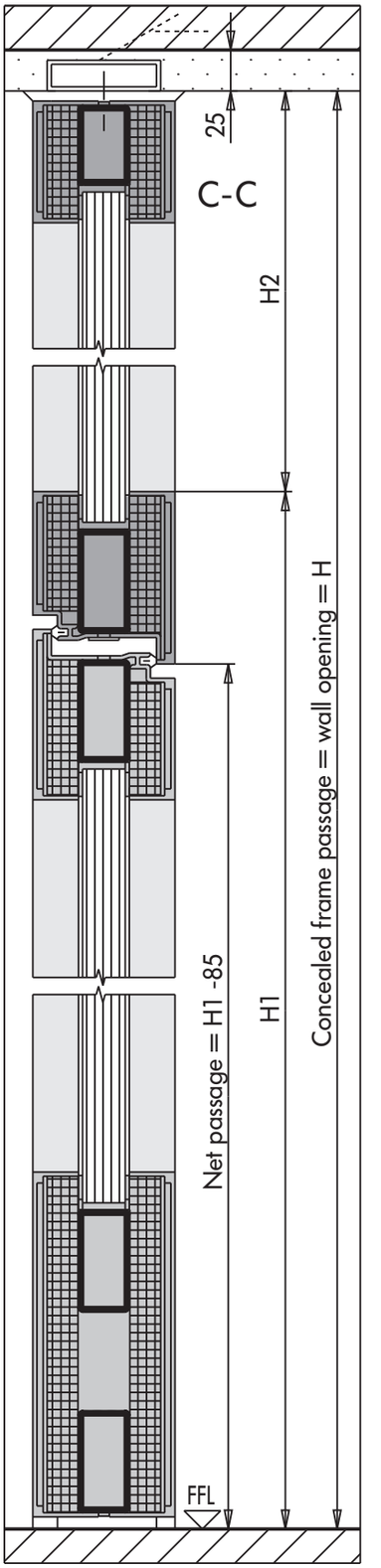
The client must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (= H1 = 2085 mm).

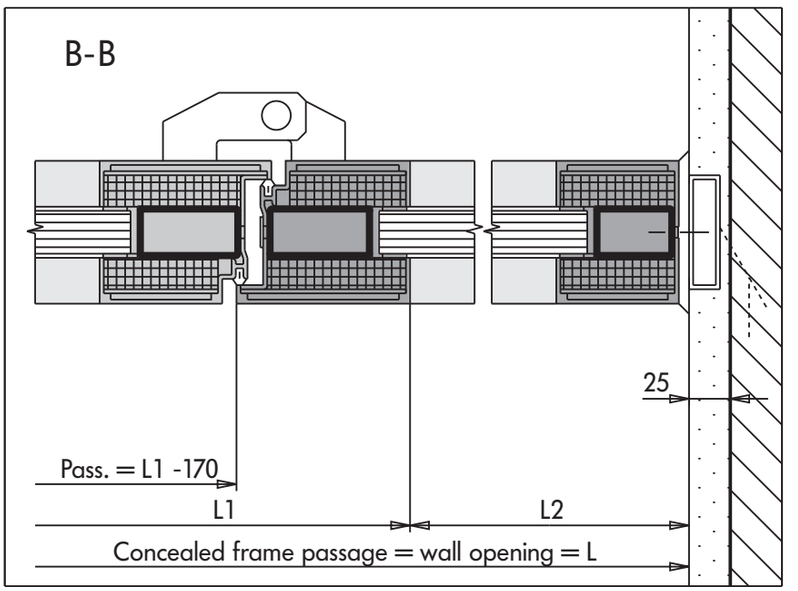


SECTIONS

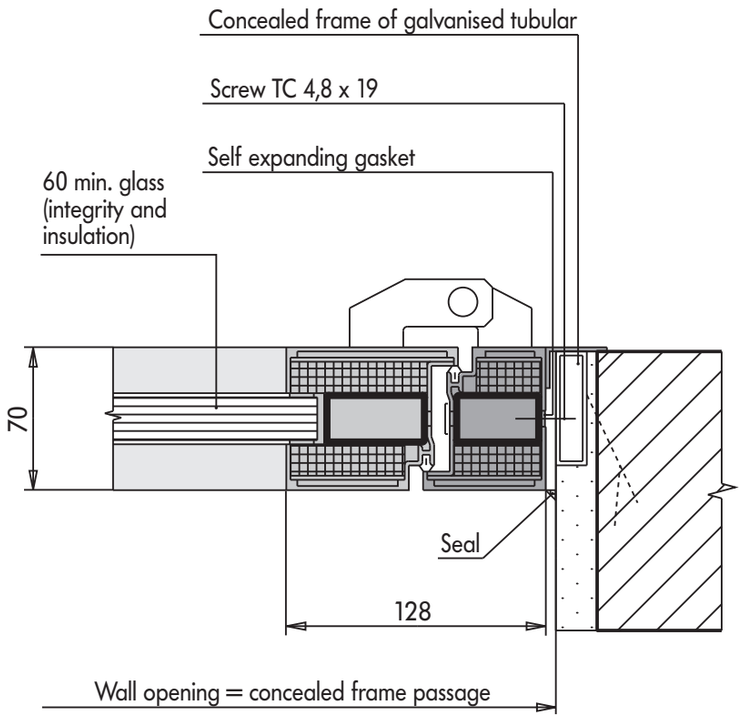
Glazed complex REI 60 doors, aluminium



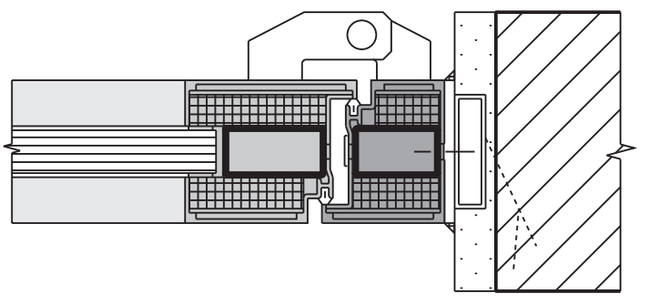




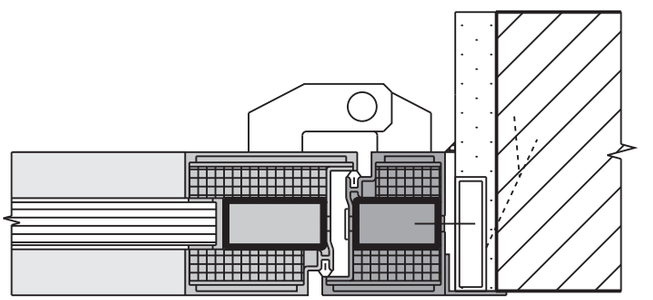
1 External rest assemble



2 Corridor assemble



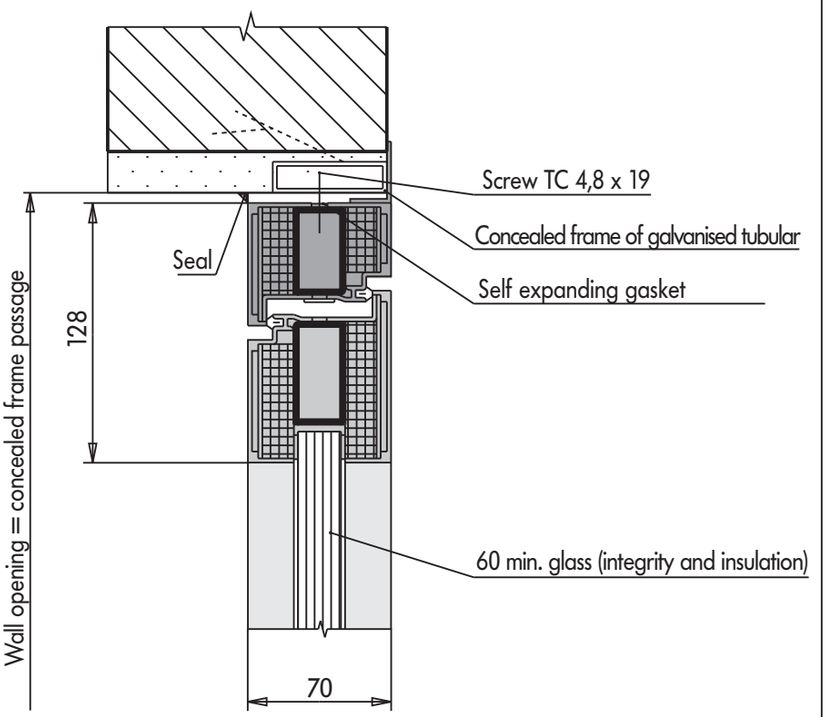
3 Internal rest assemble



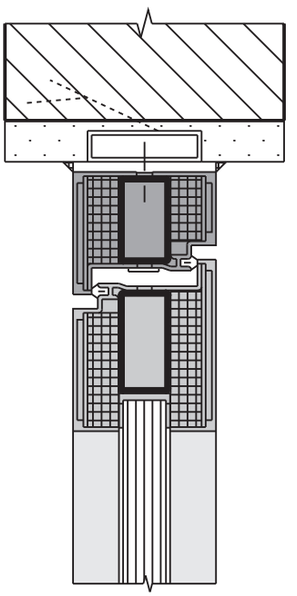
INSTALLATIONS

Glazed REI 60 doors, aluminium / Vertical sections

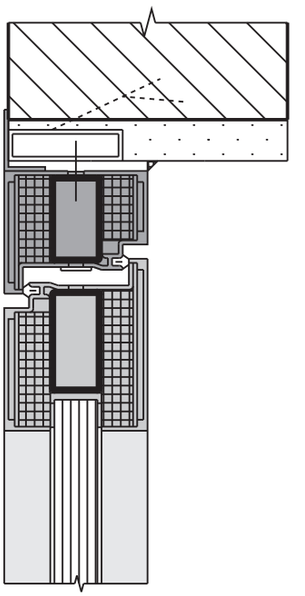
1 External rest assemble



2 Corridor assemble



3 Internal rest assemble



SPECIFICATIONS/ENCUMBRANCES

Glazed REI 90 and REI 120 single-leaf doors, aluminium

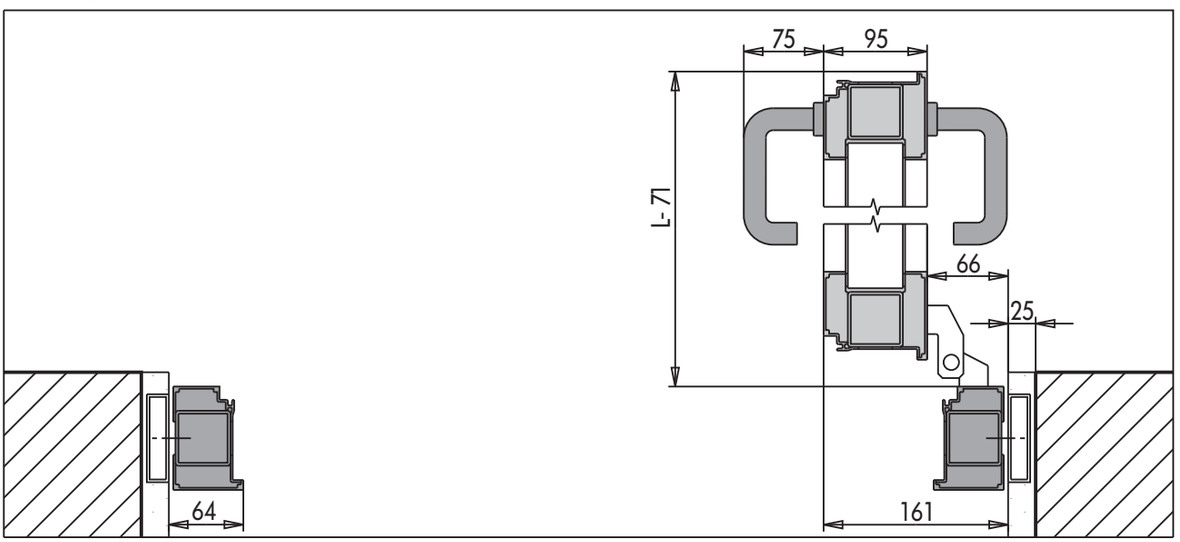
Glazed REI 90 and REI 120 single-leaf door, of aluminium profiles in accordance with UNI9723 consisting of:

- ❏ Fireproof frame construction GLAZED 90 or 120 minutes, made of cold profiled steel tubing system 1,5 mm thickness, insulated inside with a non-organic silicate compound without asbestos, provided with rebates for self-expanding and rubber gaskets. Total thickness of profile 95 mm.
- ❏ Heavy steel hinges 3 wings fixed with screws to the frame, ball-bearing type with stainless steel pivot.
- ❏ Self-latching lock release by rotation of handle.
- ❏ Yale lock cylinder in nickle bronze.
- ❏ Stainless steel fire proof door handle fitted at a height of 1040 mm above the finished floor and at 965 mm in combination with a PUSH handle.
- ❏ Overhead doorcloser for the self-closing leaf.
- ❏ Self expanding and rubber gaskets.
- ❏ Extra clear panes of fire proof float glass interposed with immflammable thermally expanding material, total thickness of the glass for REI 90 approx. 46 mm and for REI 120 approx. 52 mm.
- ❏ Thermally powder coated surface treatment.
- ❏ Assembled on galvanised tubular concealed frame, with anchors to be fixed by mortar which should be to be ordered seperately.
- ❏ Maximum dimensions: 1250 x 2400 mm
  1320 x 2374 mm.
- ❏ Minimum dimension for leaf with anti-panic crossbar: L = 650mm

N.B.
- The colours available as standard finishes are listed on the "surface treatment" page of the current catalogue.
- FFL = Finished floor level.

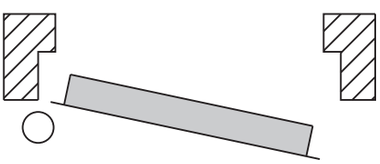
WARNING: the high weight of glazed REI 90 and REI 120 fire rated doors (130 kg/m² of wall opening for REI 90 and 140 kg/m² for REI 120) in bigger dimensions might create difficulties to the operator, particularly to weak people like handicapped, sick or older persons. It is important to consider this factor so to destinate the doors to adeguate places and/or adapt different operaticve conditions i.e. the keeping normally open the leaves by means of electromagnets.

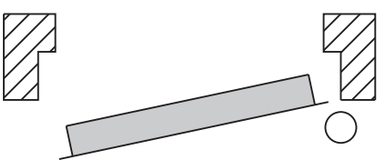
The client must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (= wall opening 2064 mm).



Opening left (SX) - single-leaf door

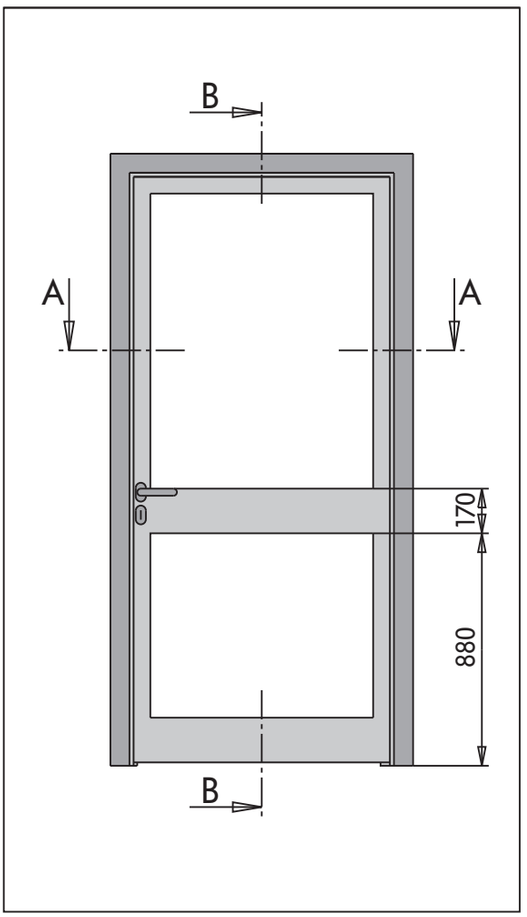
Opening right (DX) - single-leaf door

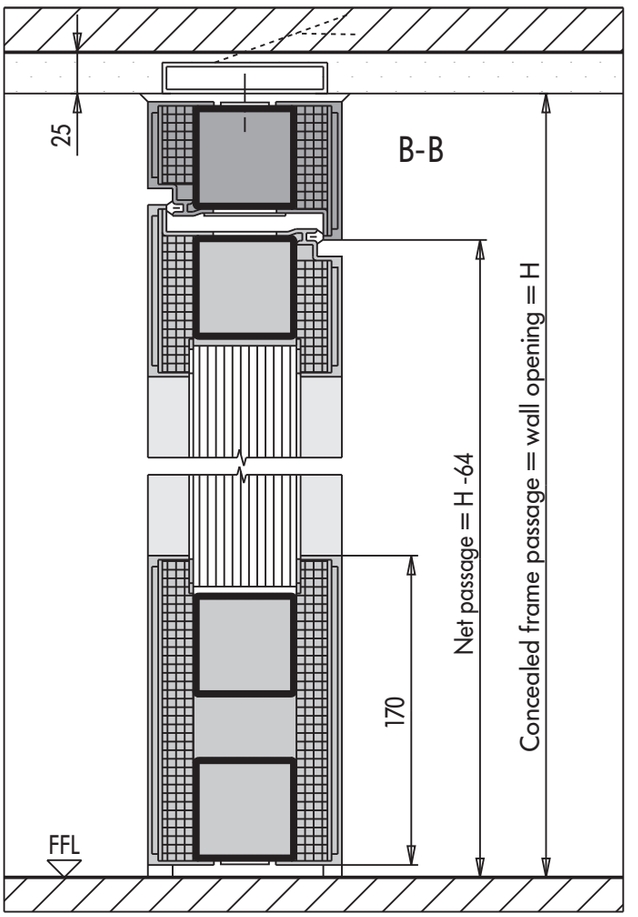


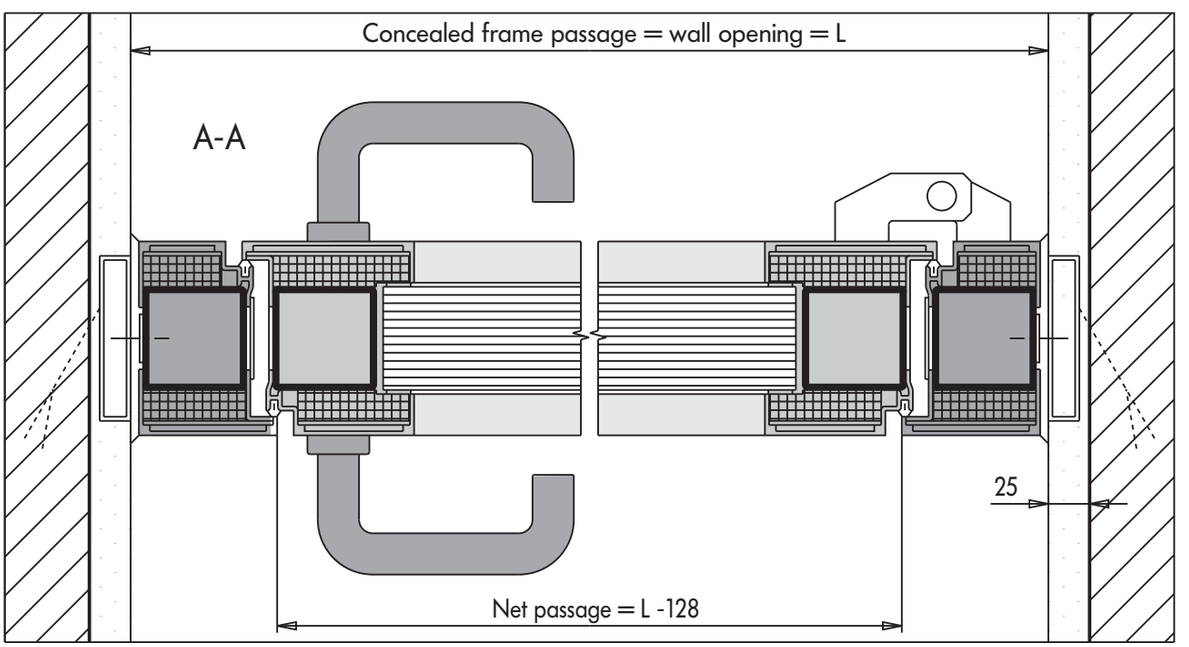


SECTIONS

Glazed REI 90 and REI 120 single-leaf doors, aluminium







SPECIFICATIONS/ENCUMBRANCES

Glazed REI 90 and REI 120 double-leaf doors, aluminium

Glazed REI 90 and REI 120 double-leaf door, of aluminium profiles in accordance with UNI9723 consisting of:

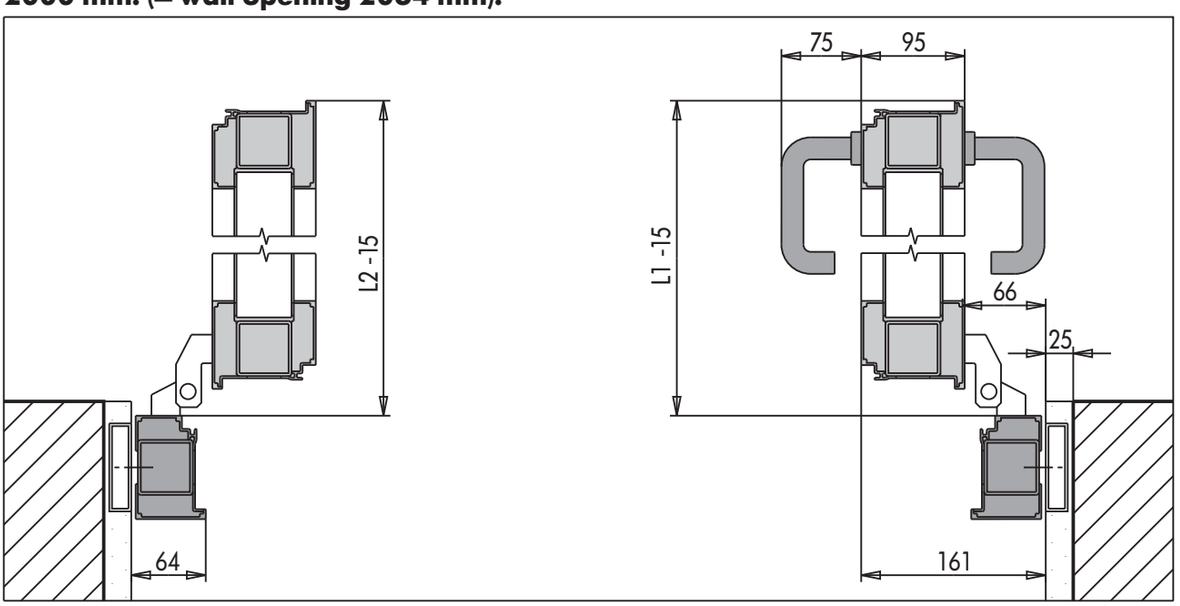
- ❑ Fireproof frame construction GLAZED 90 or 120 minutes, made of cold profiled steel tubing system 1,5 mm thickness, insulated inside with a non-organic silicate compound without asbestos, provided with rebates for self-expanding and rubber gaskets. Total thickness of profile 95 mm.
- ❑ Heavy steel hinges 3 wings fixed with screws to the frame, ball-bearing type with stainless steel pivot.
- ❑ Self-latching lock release by rotation of handle.
- ❑ Yale lock cylinder in nickle bronze.
- ❑ Stainless steel fire proof door handle fitted at a height of 1040 mm above the finished floor and at 965 mm in combination with a PUSH handle.
- ❑ Overhead doorcloser for the self-closing leaf.
- ❑ Self-locking mechanism on secondary leaf and sequencer in sight for double leaf doors.
- ❑ Self expanding and rubber gaskets.
- ❑ Extra clear panes of fire proof float glass interposed with immflammable thermally expanding material, total thickness of the glass for REI 90 approx. 46 mm and for REI 120 approx. 52 mm.
- ❑ Thermally powder coated surface treatment.
- ❑ Assembled on galvanised tubular concealed frame, with anchors to be fixed by mortar which should be to be ordered seperately.
- ❑ Maximum dimensions 2400 x 2400 mm.
- ❑ Mimimum dimension for leaf with:

	asymmetric leaves	**symmetric leaves**
Anti-panic crossbar Twist Taurus BM for main leaf	min 900 mm	min 800 mm
Anti-panic crossbar Twist Taurus A for secondary leaf	min 700 mm	min 800 mm
Anti-panic crossbar Corni Push-bar BM for main leaf	min 900 mm	min 800 mm
Anti-panic crossbar Corni Push-bar A for secondary leaf	min 700 mm	min 800 mm

N.B.
- The colours available as standard finishes are listed on the “surface treatment” page of the current catalogue.
- FFL = Finished floor level.

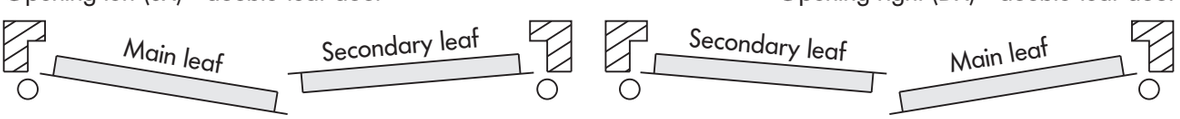
WARNING: the high weight of glazed REI 90 and REI 120 fire rated doors (130 kg/m² of wall opening for REI 90 and 140 kg/m² for REI 120) in bigger dimensions might create difficulties to the operator, particularly to weak people like handicapped, sick or older persons. It is important to consider this factor so to destinate the doors to adeguate places and/or adapt different operaticve conditions i.e. the keeping normally open the leaves by means of electromagnets.

The client must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (= wall opening 2064 mm).



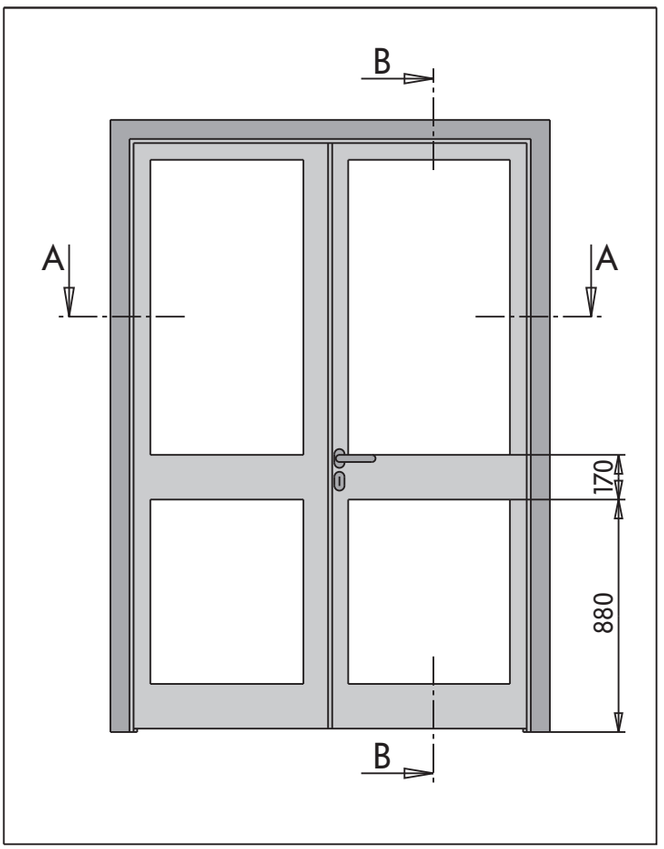
Opening left (SX) - double-leaf door

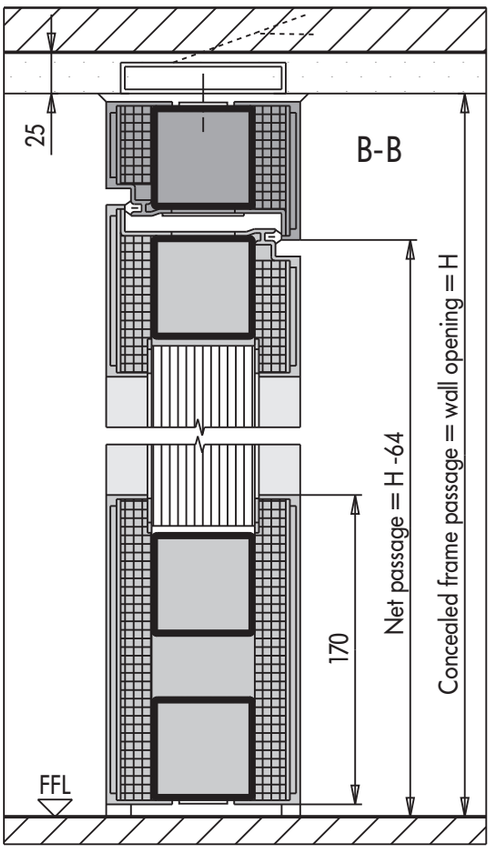
Opening right (DX) - double-leaf door

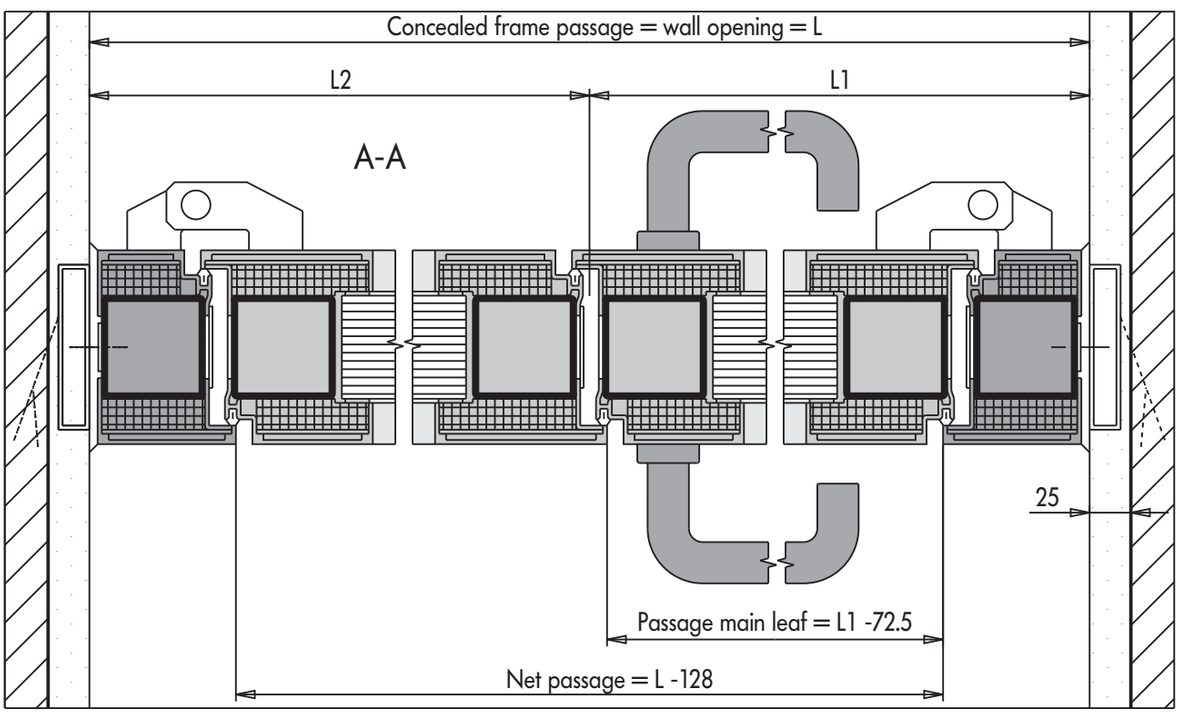


SECTIONS

Glazed REI 90 and REI 120 double-leaf doors, aluminium







SPECIFICATION/SECTIONS

Glazed complex REI 90 and REI 120 doors, aluminium

Glazed complex REI 90 and REI 120 door, of aluminium profiles in accordance with UNI9723 consisting of:

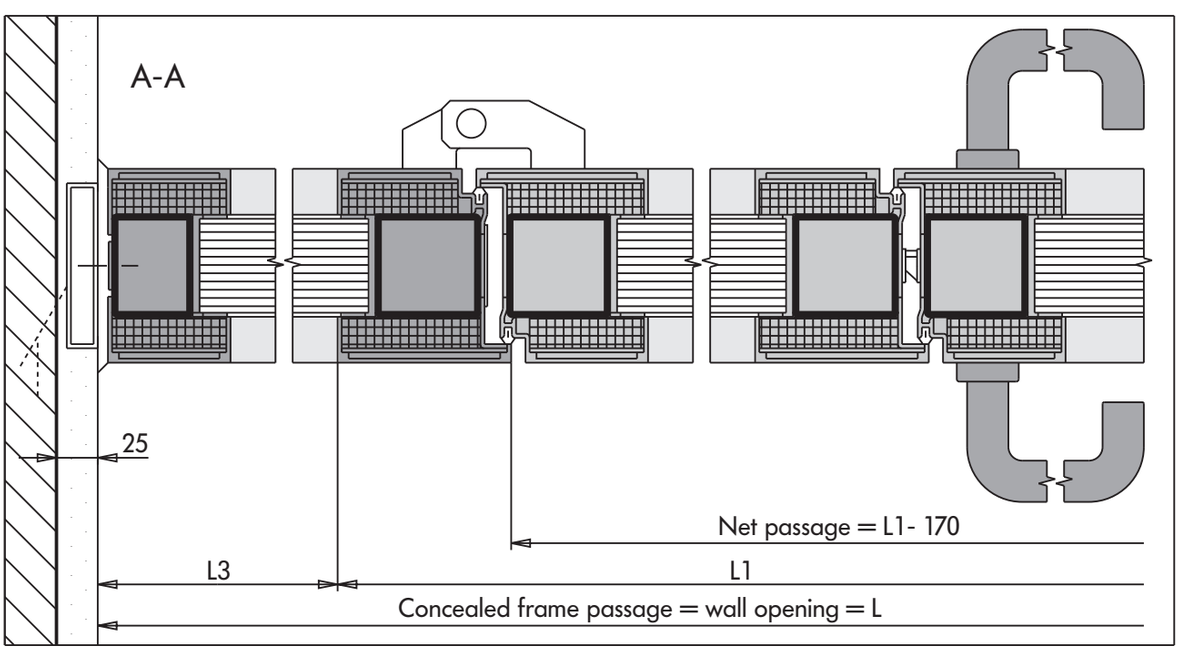
- ❏ Fireproof frame construction GLAZED 90 or 120 minutes, made of cold profiled steel tubing system 1,5 mm thickness, insulated inside with a non-organic silicate compound without asbestos, provided with rebates for self-expanding and rubber gaskets. Total thickness of profile 95 mm.
- ❏ Heavy steel hinges 3 wings fixed with screws to the frame, ball-bearing type with stainless steel pivot.
- ❏ Self-latching lock release by rotation of handle.
- ❏ Yale lock cylinder in nickle bronze.
- ❏ Stainless steel fire proof door handle fitted at a height of 1040 mm above the finished floor and at 965 mm in combination with a PUSH handle.
- ❏ Overhead doorcloser for the self-closing of leaf.
- ❏ Self-locking mechanism on secondary leaf and sequencer in sight for double leaf doors.
- ❏ Self expanding and rubber gaskets.
- ❏ Extra clear panes of fire proof float glass interposed with immflammable thermally expanding material, total thickness of the glass for REI 90 approx. 46 mm and for REI 120 approx. 52 mm.
- ❏ Thermally powder coated surface treatment.
- ❏ Assembled on galvanised tubular concealed frame, with anchors to be fixed by mortar which should be to be ordered seperately.
- ❏ Mimimum dimension for leaf with:

	asymmetric leaves	**symmetric leaves**
Anti-panic crossbar Twist Taurus BM for main leaf	min 900 mm	min 800 mm
Anti-panic crossbar Twist Taurus A for secondary leaf	min 700 mm	min 800 mm
Anti-panic crossbar Corni Push-bar BM for main leaf	min 900 mm	min 800 mm
Anti-panic crossbar Corni Push-bar A for secondary leaf	min 700 mm	min 800 mm

N.B.
- The colours available as standard finishes are listed on the “surface treatment” page of the current catalogue.
- FFL = Finished floor level.

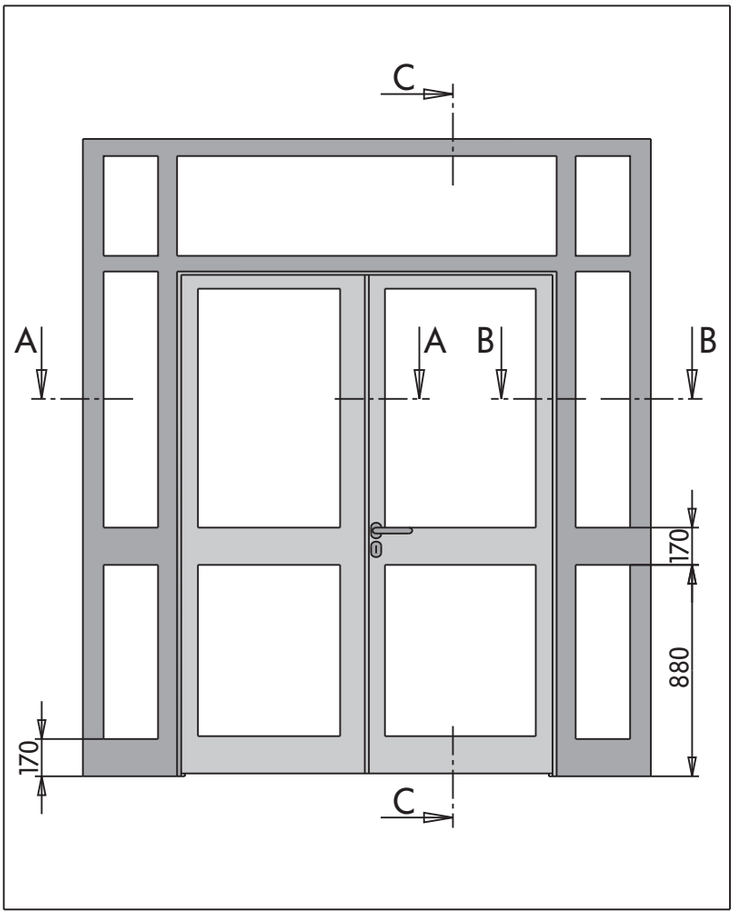
WARNING: the high weight of glazed REI 90 and REI 120 fire rated doors (130 kg/m² of wall opening for REI 90 and 140 kg/m² for REI 120) in bigger dimensions might create difficulties to the operator, particularly to weak people like handicapped, sick or older persons.It is important to consider this factor so to destinate the doors to adeguate places and/or adapt different operaticve conditions i.e. the keeping normally open the leaves by means of electromagnets.

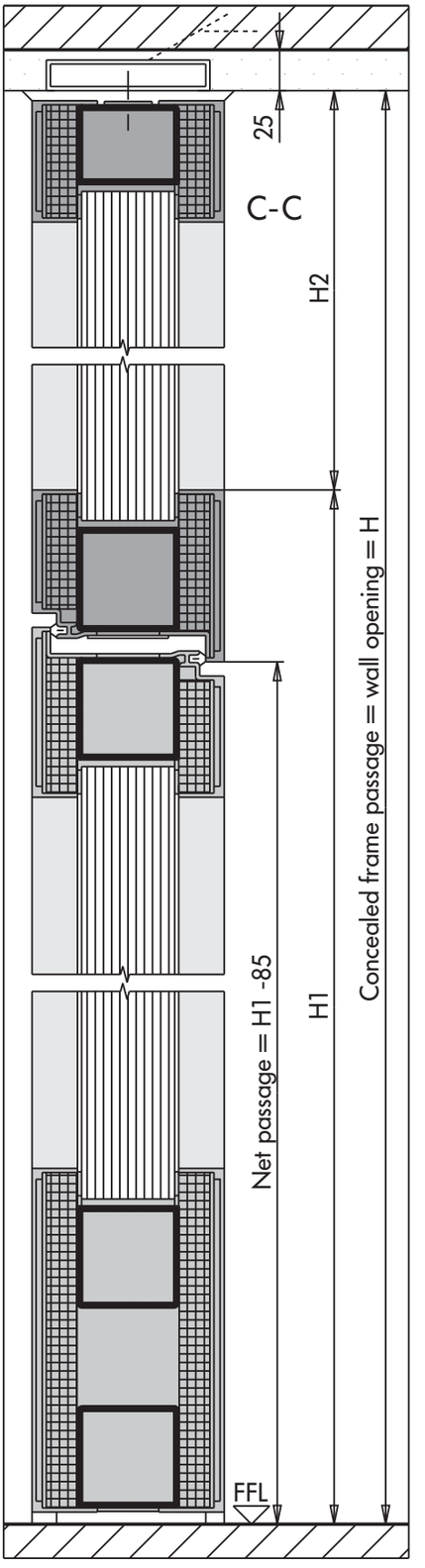
The client must be aware that according to decrees 626 dated 19.09.1994 and 242 dated 19.03.1996 all doors used for emergency ways or exits must have a minimum height of 2000 mm. (= wall opening 2085 mm).

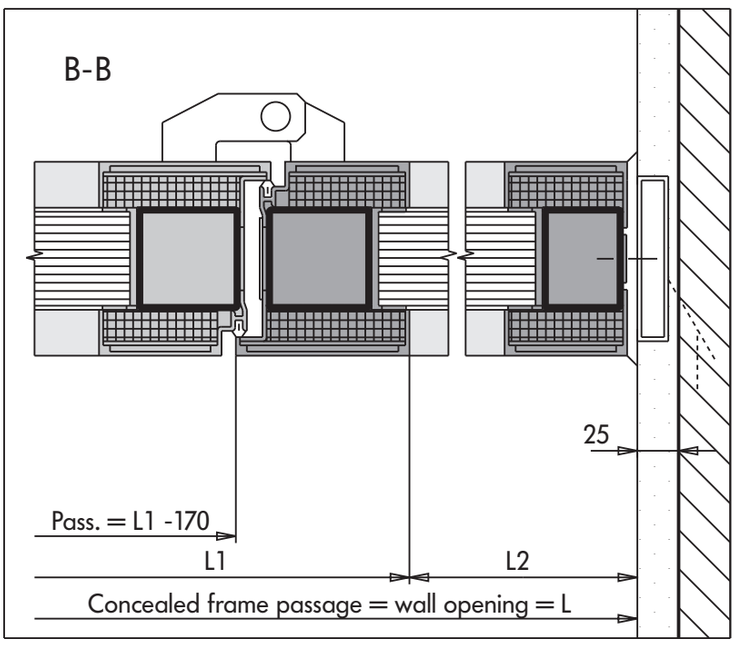


SECTIONS

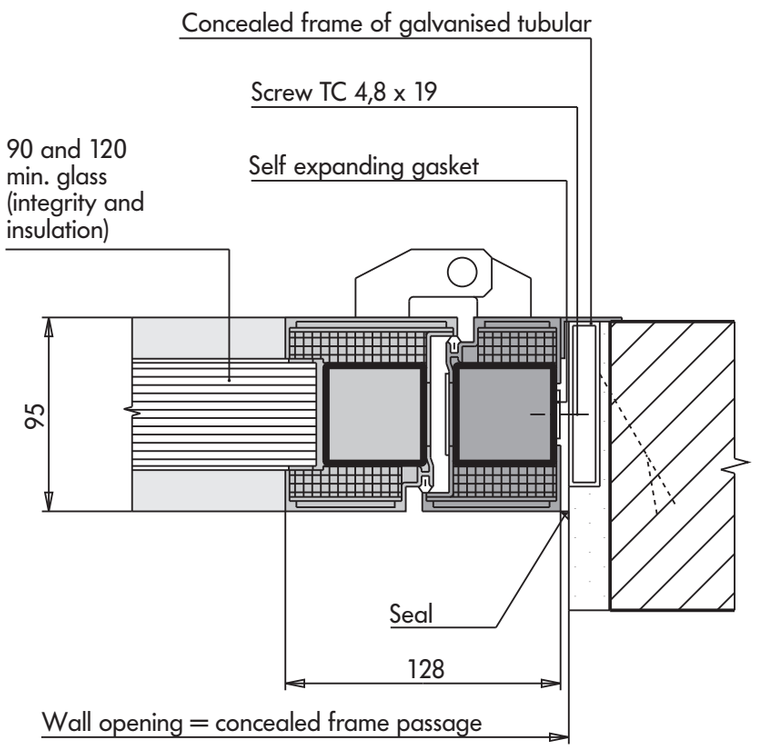
Glazed complex REI 90 and REI 120 doors, aluminium



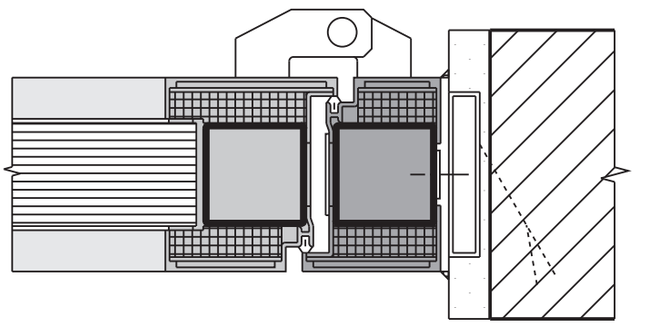




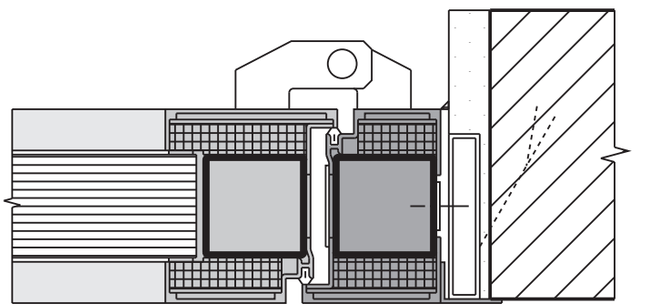
1 External rest assemble



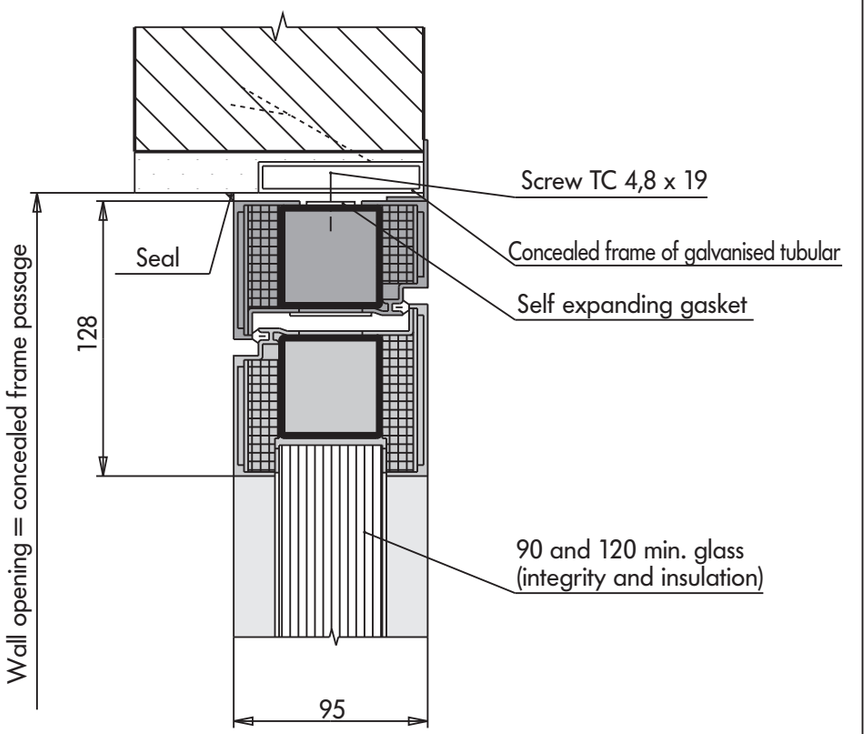
2 Corridor assemble



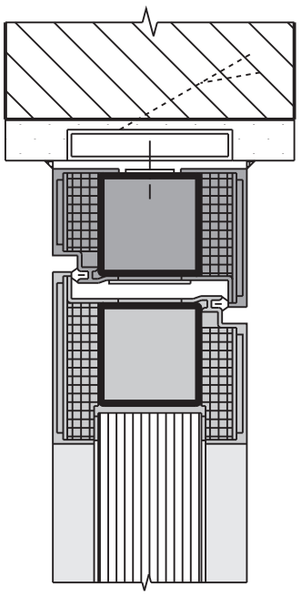
3 Internal rest assemble



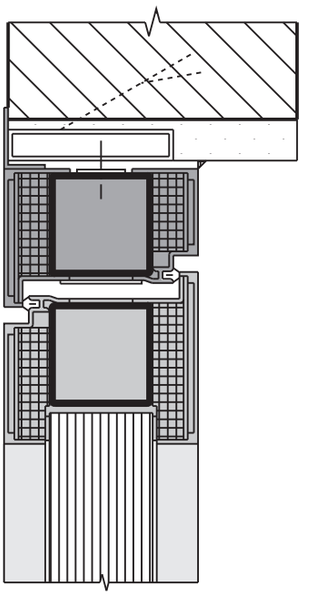
1 External rest assemble



2 Corridor assemble



3 Internal rest assemble



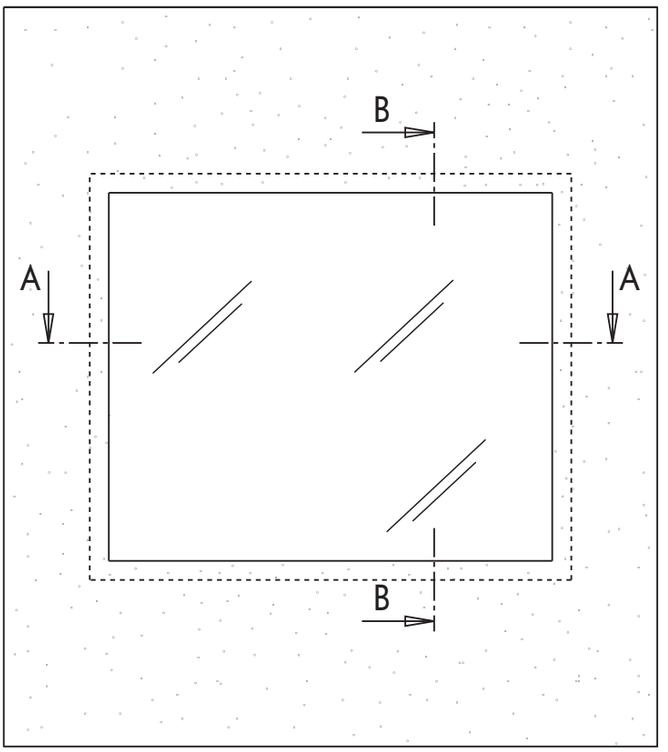
NINZ® FIREDOORS

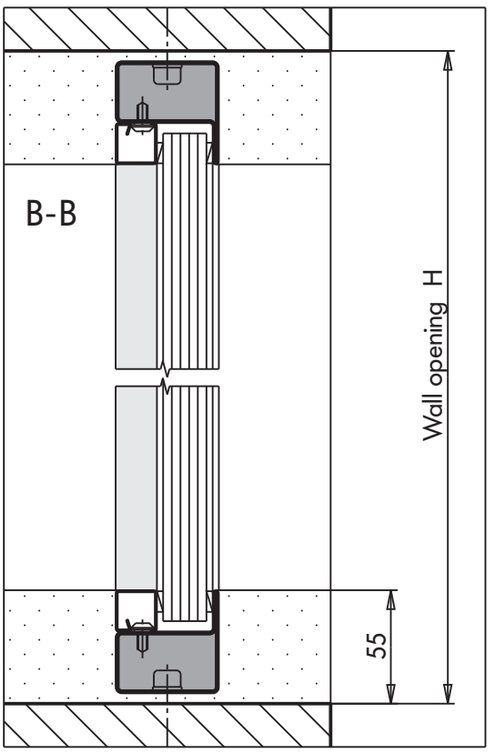
SPECIFICATIONS/SECTIONS

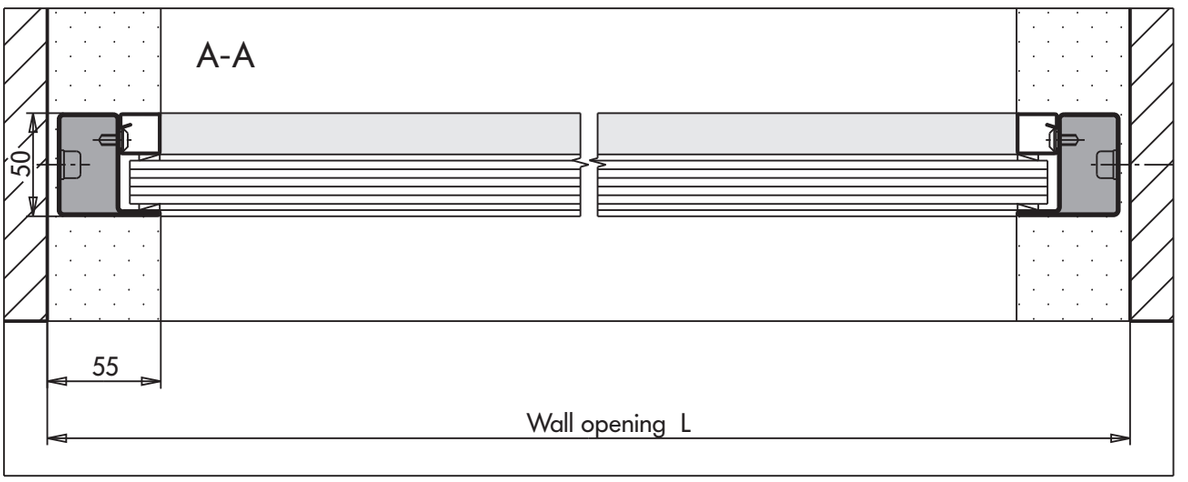
Glazed firm steel windows type REI 60

Glazed firm steel window with glass type REI 60 to be built into the wall consisting of:

- ❏ Frame made of steel tubular 50 x 30 mm with glass holding profiles and aerostop gasket 10 x 3 mm.
- ❏ Fire rated glass, supplied not assembled, composed of float glass layered with self-expanding fire resisting material, total thickness approx. 21 mm.
- ❏ Preparation for fixing with bolts and with mortar (does not remain in sight).
- ❏ Finishing of frame with green primer.
- ❏ Maximum dimensions: 1200 x 2100 mm.
- ❏ NOT CERTIFIED VERSION. Goods supplied with the certificate of glass producer only, without conformity declaration and metallic label.





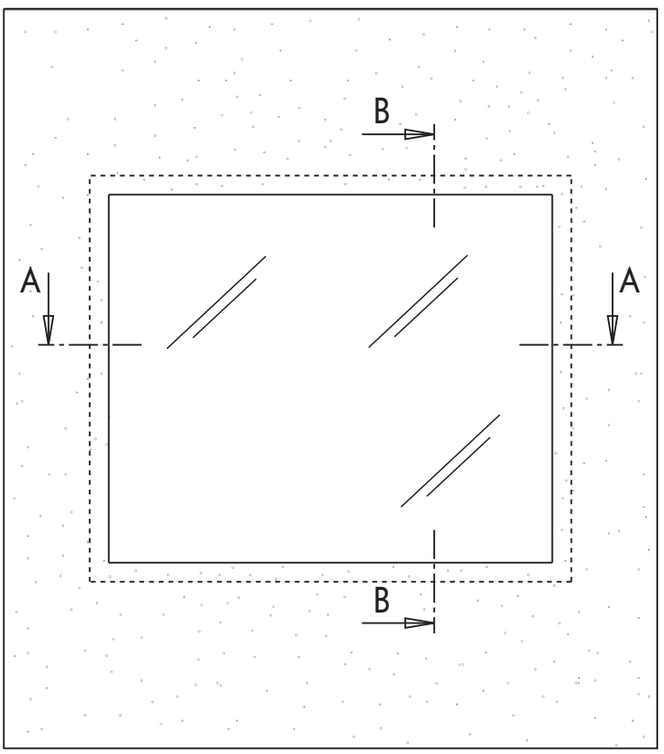


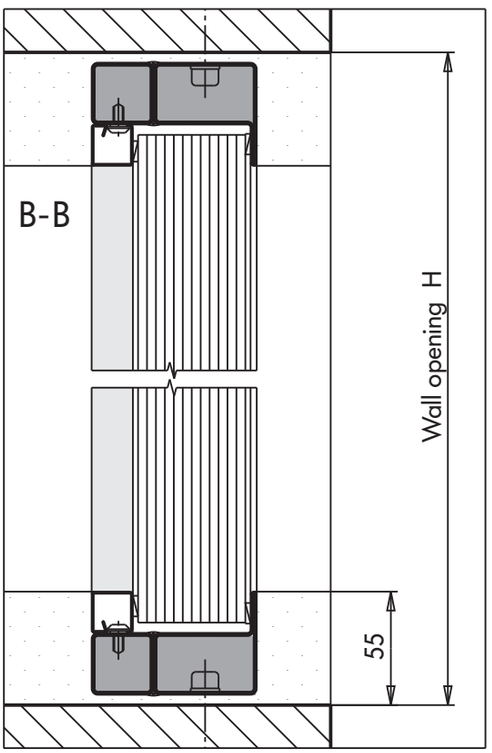
SPECIFICATIONS/SECTIONS

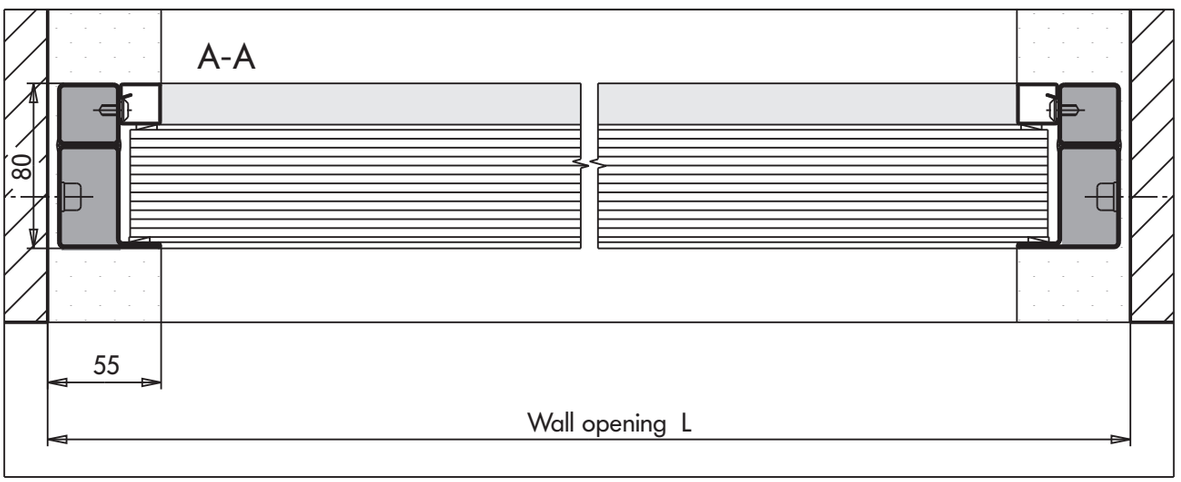
Glazed firm steel windows type REI 120

Glazed firm steel window with glass type REI 120 to be built into the wall consisting of:

- ❏ Frame made of steel tubular 80 x 30 mm with glass holding profiles and aerostop gasket 10 x 3 mm.
- ❏ Fire rated glass, supplied not assembled, composed of float glass layered with self-expanding fire resisting material, total thickness approx. 52 mm.
- ❏ Preparation for fixing with bolts and with mortar (does not remain in sight).
- ❏ Finishing of frame with green primer.
- ❏ Maximum dimensions: 1200 x 2100 mm.
- ❏ NOT CERTIFIED VERSION. Goods supplied with the certificate of glass producer only, without conformity declaration and metallic label.





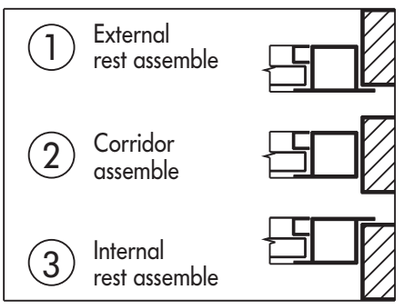


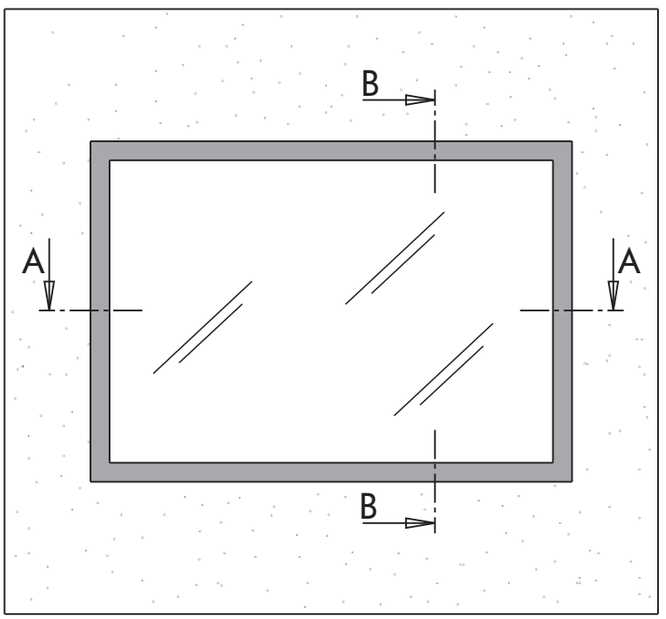
SPECIFICATIONS/SECTIONS

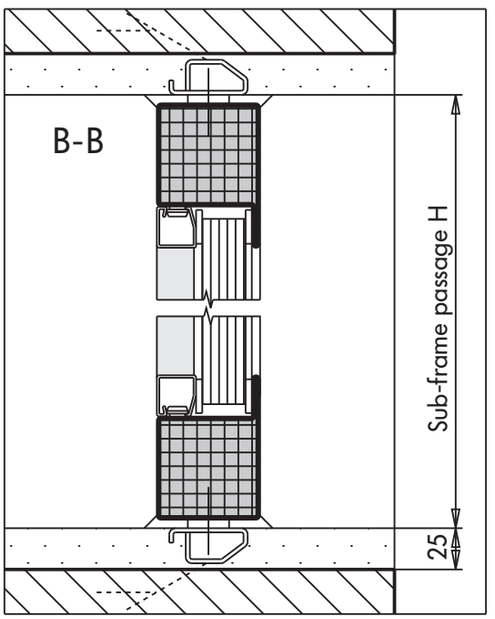
Glazed firm steel windows type REI 30 or REI 60

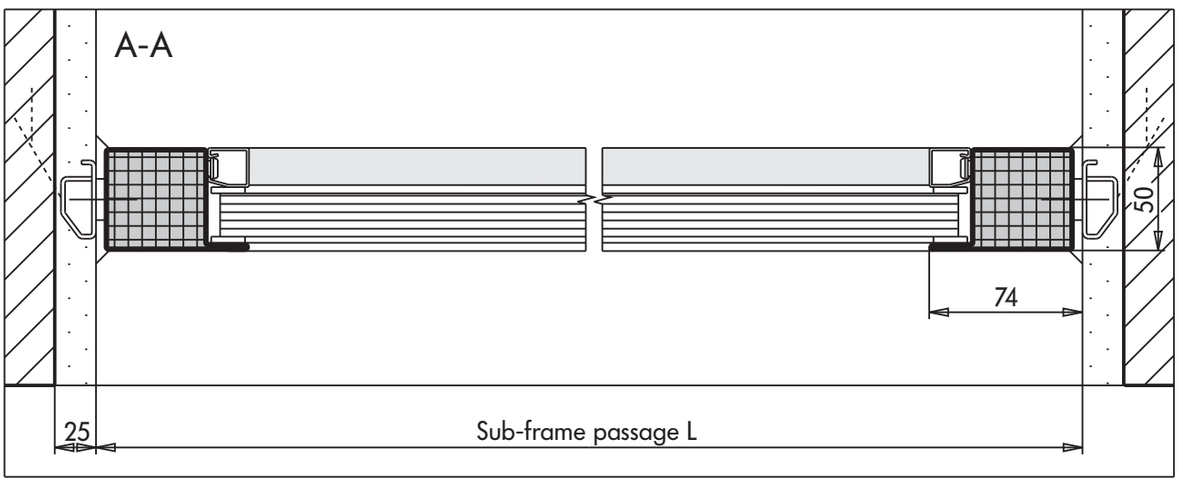
Glazed firm steel window to install on sub-frame with glass type REI 30 or REI 60 consisting of:

- ❏ Cold formed tubular steel structural profile 15/10 mm, internally insulated with asbestos-free silicate based inorganic material. Traverses and/or other dividers will be installed according to our criteria. Total thickness of the element 50 mm.
- ❏ Fire rated glass, supplied not assembled, composed of very clear float glass layered with self-expanding fire resisting material, total thickness approx. 23 mm.
- ❏ Special finishing by varnishing with thermo-hardened powders, colour to choice among our range (see page "surface treatment").
- ❏ Sub-frame made of galvanised tubular with brackets to fix by mortar, to order separately.
- ❏ NOT CERTIFIED VERSION. Goods supplied with the certificate of glass producer only, without conformity declaration and metallic label.









SPECIFICATIONS/SECTIONS

Glazed firm aluminium windows type REI 60, REI 90 or REI 120

Glazed firm aluminium window type REI 60, REI 90 or REI 120 (M.I. Circ. 91) installed on sub-frame consisting of:

- ❏ Fixed glass fire proof elements REI 60 or REI 90 or REI 120 constructed in special steel/aluminium profiles. Traverses and/or other dividers will be installed according to our criteria.
- ❏ Fire rated glass, supplied not assembled, composed of very clear float glass layered with self-expanding fire resisting material, total thickness approx. 23 mm for REI 60, approx. 46 mm for REI 90 and approx. 24 mm for REI 120.
- ❏ Special finishing by varnishing with thermo-hardened powders , colour to choice among our range (see page "surface treatment").
- ❏ Sub-frame made of galvanised tubular with brackets to fix by mortar, to order separately.
- ❏ CERTIFIED VERSION according to the "circolare 91" up to a dimension of 1000 x 2200, goods supplied without metallic label and with the conformity declaration.

For bigger dimensions supplied not certified, with the certificate of the glass producer only and without conformity declaration and without metallic label.