

Features

Hinged gates with block frame

WHAT DEFINES THEM?

The field of use includes large openings and/or special usage conditions in customer-specified dimensions. Gates are supplied with leaves made of flush insulated sheets of metal panes, jointed and attached to each other with screws, "L"-profile block frame on three sides and finished with a base coat or RAL colours and other accessories as required for proper functioning of the product.

Standards

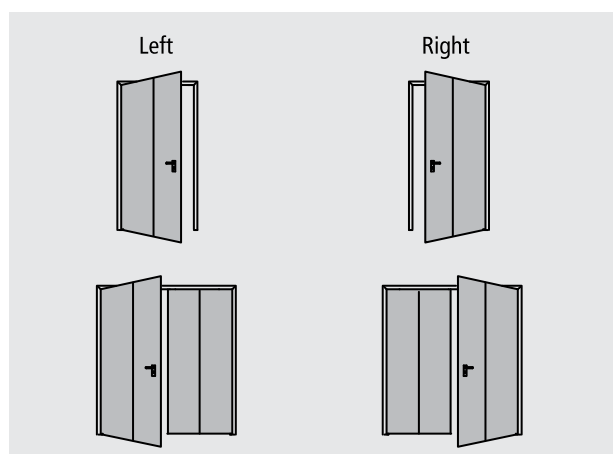
EI₂60, EI₂90 and EI₂120 gates are certified in accordance with the EN 1634 standard.

REI 120 gates are certified in accordance with the UNI 9723 standard.

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

Opening direction, pull

Opening direction needs to be specified while ordering.



NOTE

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

ATTENTION

Gates are supplied as a single pre-assembled unit, this should be kept in mind for purposes of handling. The customer assumes all risks entailed by the use of Hinged gates along escape routes.

For special applications consult the Ninz technical department.

Hinged one-leaved gate with block frame:

🔥 EI₂60 🔥 EI₂90 🔥 EI₂120 🔥 REI 120



Hinged two-leaved gate with block frame:

🔥 EI₂60 🔥 EI₂90 🔥 EI₂120 🔥 REI 120



Features

Hinged gates with block frame

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

This hinged gates series has the following features:

Application

For masonry walls, use plugs inside the span and corner steel outside the span (to be specified while ordering).

Door leaf

Leaf unit made of continuous modules of hollow-core sheet metal panels insulated with appropriate materials, without lower rebate. Nr. 2 extra-strong hinges for each leaf.

Doorframe

Made of galvanize "L"-shaped hollow metal profiles.

Hinges

Nr. 2 extra-strong hinges.

Sealing

Thermo-expansive, inserted into the leaf rebate.

Door handle

Accident-prevention shape, made of stainless steel with a double lever with return spring and set of plates. Handle height = 1050 mm.

Lock

CE marked lock with cylinder to pass.

Identification plate

Marking with reference information that is applied to the leaf's rebate.

Finishing

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

Packaging

Leaf unit on disposable metal container.

Wall opening dimensions L x H

class	min.	max.
El ₂ 60, El ₂ 90, El ₂ 120	1000 x 1750 mm	3337 x 3347 mm
REI 120	1000 x 1750 mm	5000 x 2500 mm *
		2500 x 5000 mm *

* larger sizes on request

Mandatory accessories

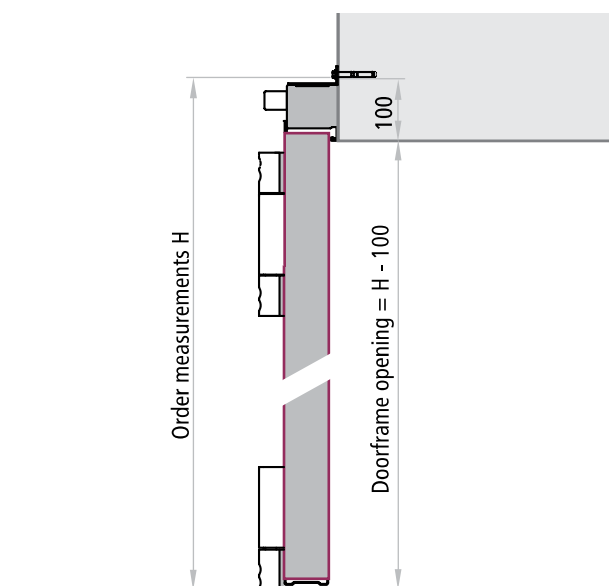
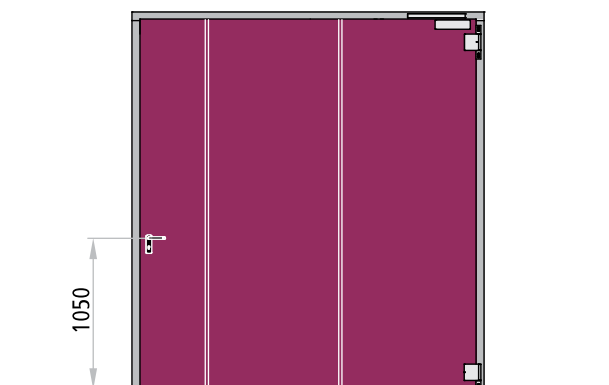
1 CE-marked door closer per leaf.

Maximum opening

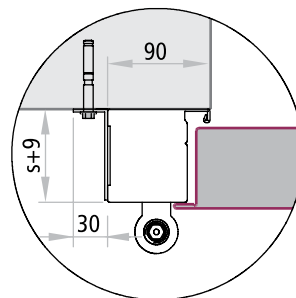
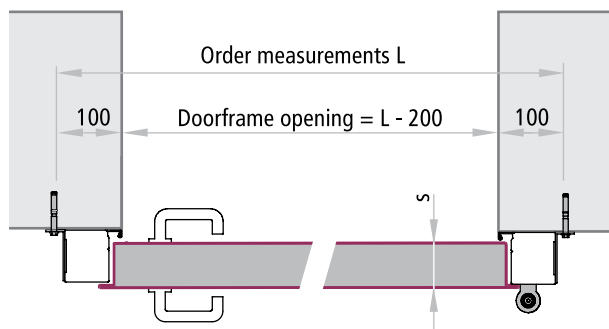
120° with door closer only, and 110° additional coil spring.

Thicknesses and weights

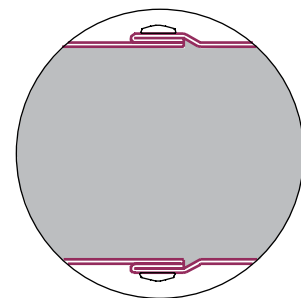
class	leaf thickness	weight/wall opening
El ₂ 60, El ₂ 90, El ₂ 120	s = 100 mm	approx. 70 kg/m ²
REI 120	s = 73 mm	approx. 60 kg/m ²



Vertical section for installation with block frame



Detail of section for installation with block frame



Detail of panel joints

Features

Hinged gates with block frame

EI₂60, EI₂90, EI₂120 AND REI 120 TWO-LEAVED VERSION

This two-leaved vertically hinged gates series has the following features:

Installation

For masonry walls, use plugs inside the span and corner steel outside the span (to be specified while ordering).

Door leaf

Leaf unit made of continuous modules of hollow-core sheet metal panels insulated with appropriate materials, without lower rebate. Unequal divisions available on request.

Doorframe

Made of galvanized "L"-shaped hollow metal profiles.

Hinges

Nr. 2 extra-strong hinges for each leaf.

Sealing

Thermo-expansive, inserted into the leaf rebate.

Door handle

Accident-prevention shape, made of stainless steel with a double lever with return spring and set of plates. Handle height = 1050 mm.

Lock

Active (main) leaf: **CE** marked lock with cylinder to pass. Inactive leaf: "Flush-bolt" lock for automatic upper and lower blocking of the leaf.

Identification plate

Marking with reference information that is applied to the rebate of one of the leaves.

Finishing

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

Packaging

Leaf unit on disposable metal container.

Wall opening dimensions L x H

class	min.	max.
EI ₂ 60, EI ₂ 90, EI ₂ 120	2000 x 1750 mm	3337 x 3347 mm
REI 120	2000 x 1750 mm	5000 x 5000 mm *

Minimum division: 1000 mm.

* larger sizes on request

Mandatory accessories

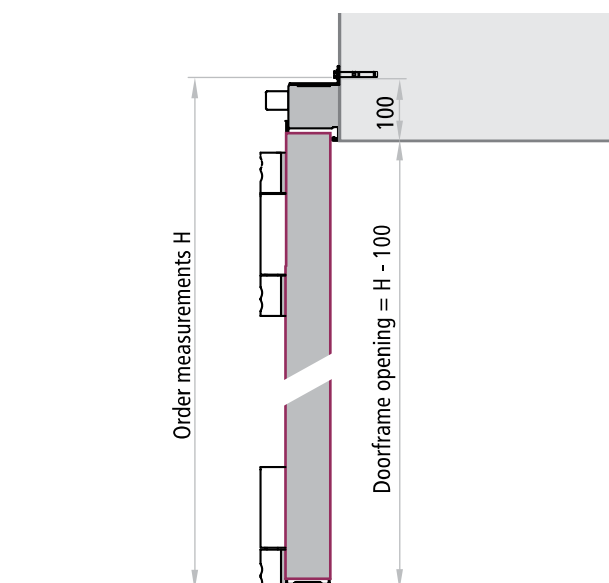
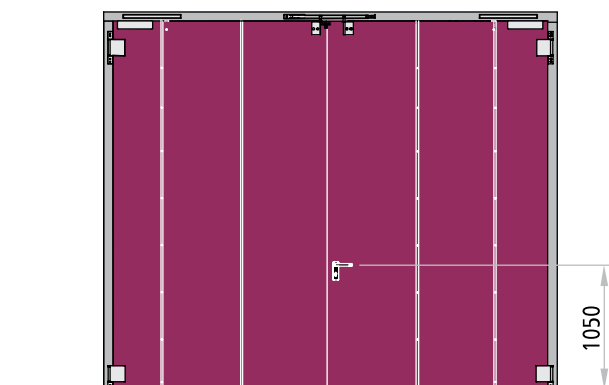
1 door closer per leaf and 1 closing regulator for proper sequencing of leaf closure.

Maximum opening

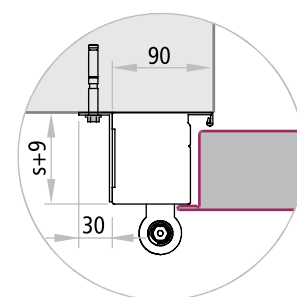
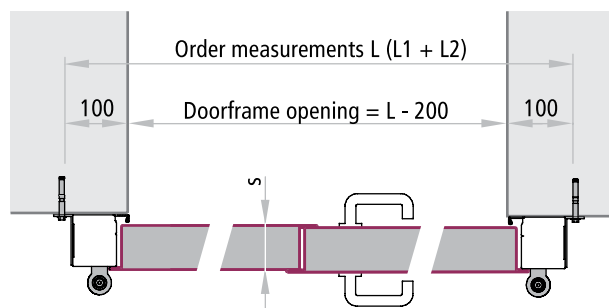
120° with door closer only, and 110° additional coil spring.

Thicknesses and weights

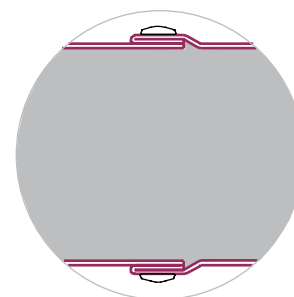
class	leaf thickness	weight/wall opening
EI ₂ 60, EI ₂ 90, EI ₂ 120	s = 100 mm	approx. 70 kg/m ²
REI 120	s = 73 mm	approx. 60 kg/m ²



Vertical section for installation with block frame



Detail of section for installation with block frame

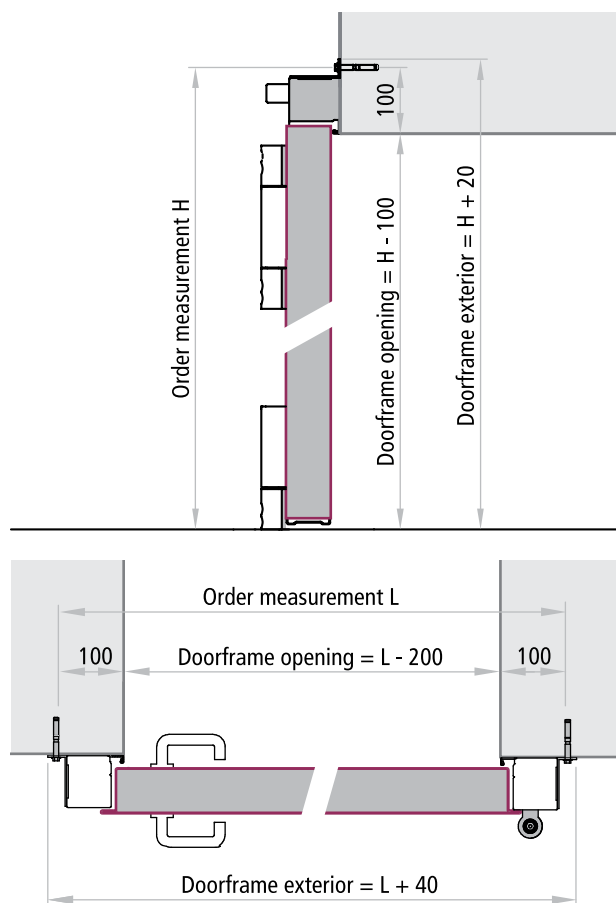


Detail of panel joints

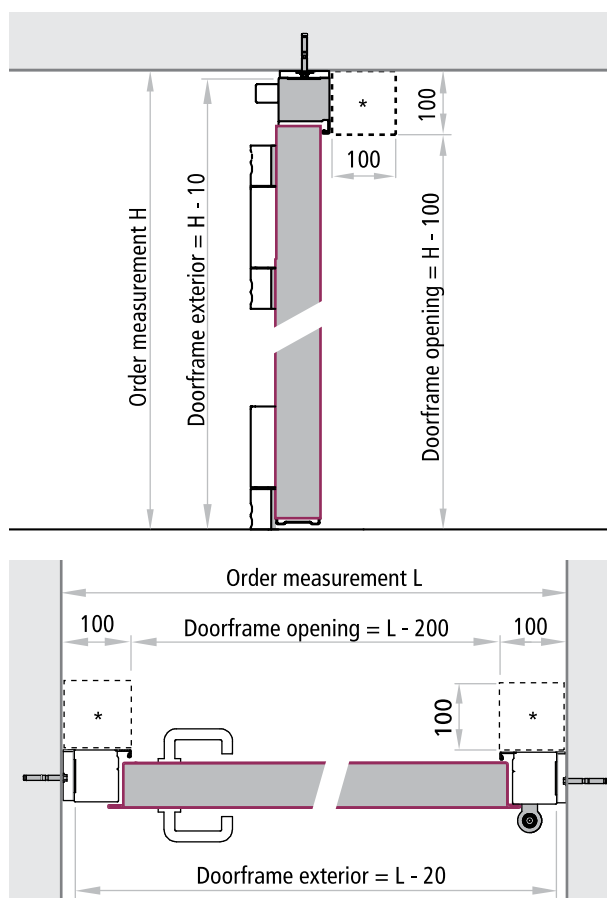
Applications and overall dimensions

Hinged one-leaved gate with block frame

ONE-LEAVED INSTALLATION BEYOND THE REVEAL

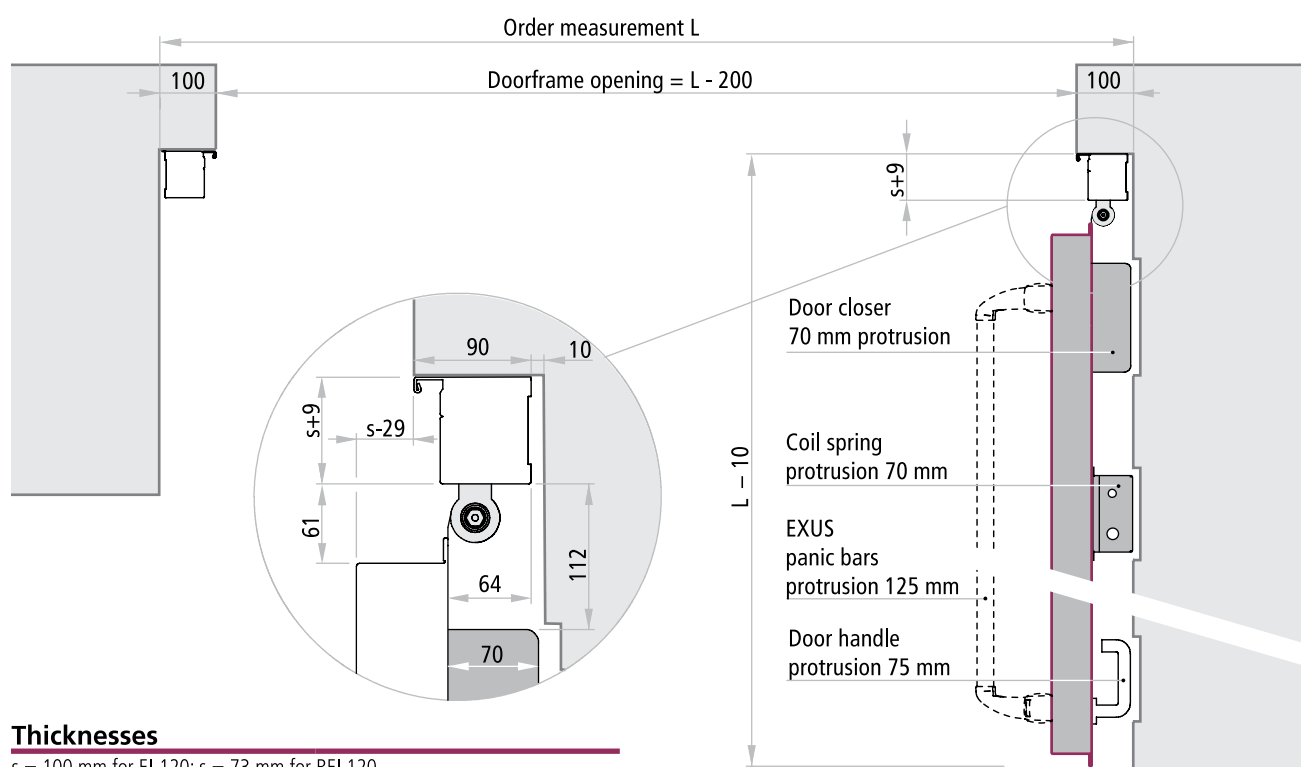


ONE-LEAVED INSTALLATION IN THE REVEAL



ONE-LEAVED DOOR OVERALL DIMENSIONS WITH 90° OPENING

*After the gate has been installed, the building of the additional apron is the buyer's responsibility and duty



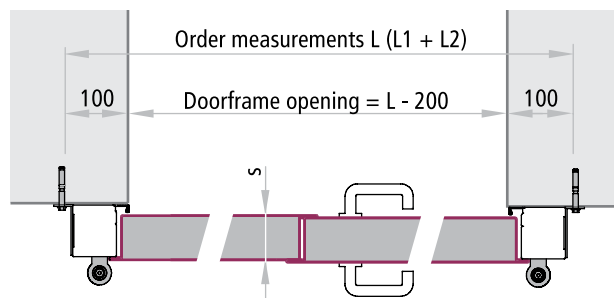
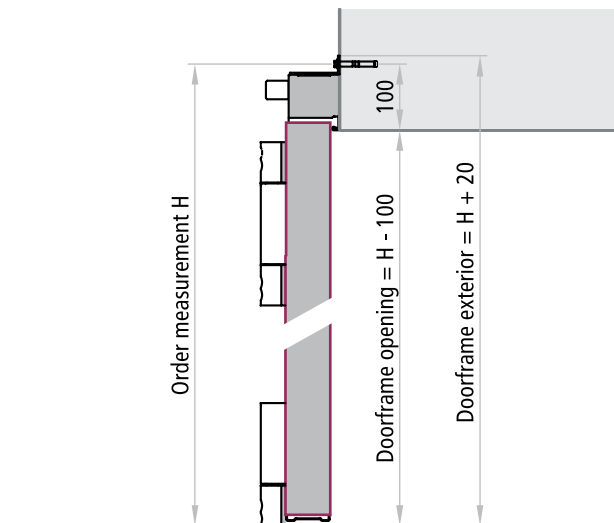
Thicknesses

s = 100 mm for EI₁₂₀; s = 73 mm for REI 120

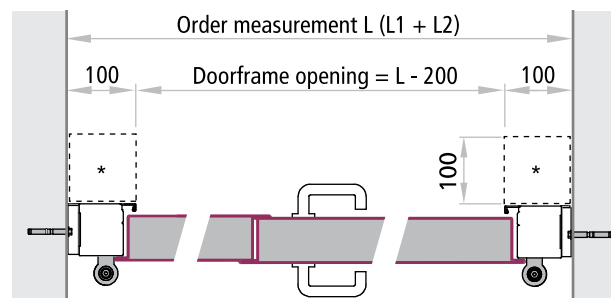
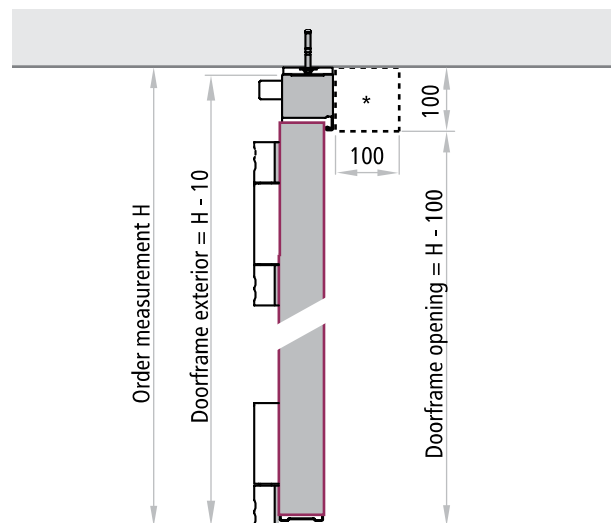
Applications and overall dimensions

Hinged two-leaved gates with block frame

TWO-LEAVED INSTALLATION BEYOND THE REVEAL

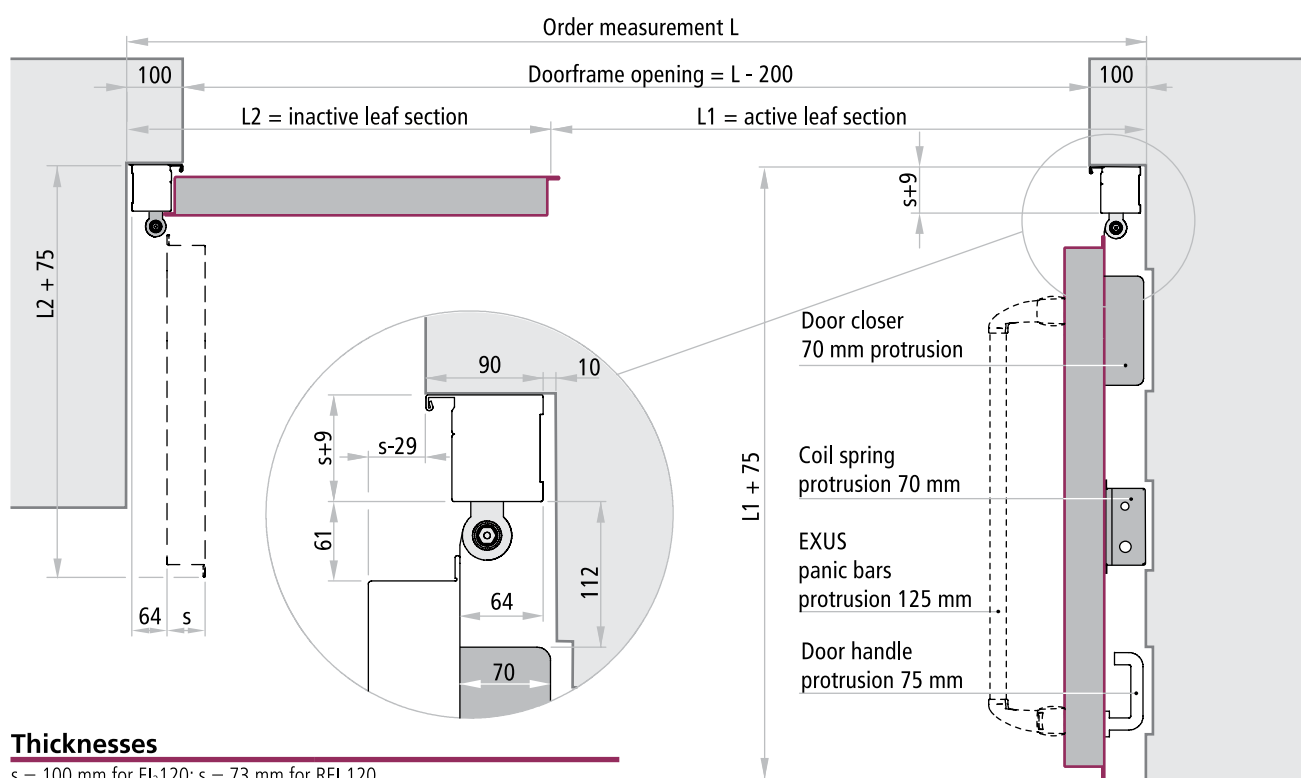


TWO-LEAVED INSTALLATION IN THE REVEAL



*After the gate has been installed, the building of the additional apron is the buyer's responsibility and duty

TWO-LEAVED DOOR OVERALL DIMENSIONS WITH 90° OPENING



Thicknesses

$s = 100$ mm for EI₂120; $s = 73$ mm for REI 120

Mandatory accessories

Hinged gates with block frame

TS93 DOOR CLOSER

Door closer (1) with slide channel for large sizes, with regulation of opening force, closing velocity and final closure. Silver color.

CE certification 0432-BPR 0008 EN 1154:1996 + A1:2002

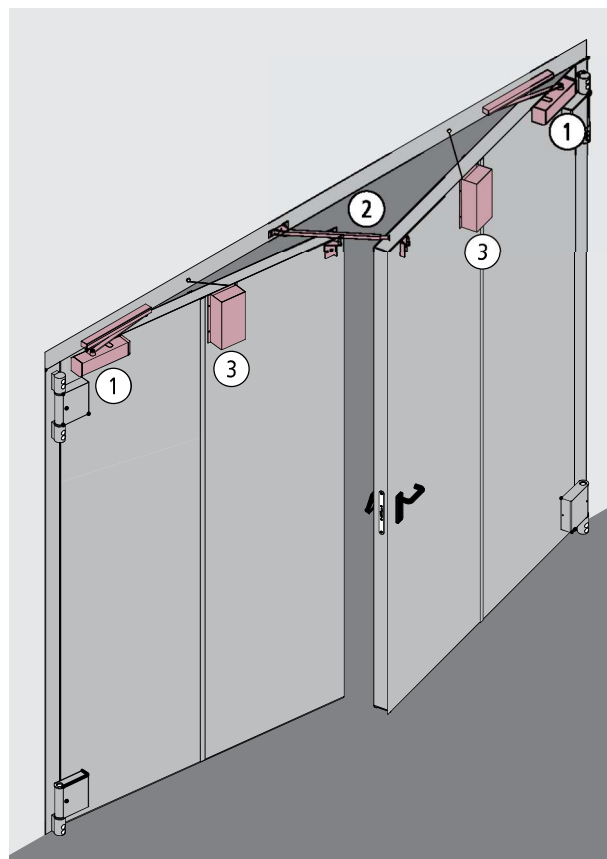
SR390 CLOSING REGULATOR

To ensure automatic closure of two-leaved fire rated gates, a door closing regulation is mandatory. The two-leaved gates door series, therefore, is provided with a Dorma SR 390 closing regulator (2), equipped with feed-in impact absorber and all mechanical functioning, mounted visibly on the doorframe. Silver-colored galvanized finishing, for on-site installation.

CE certification 0432-BPR 0026 EN 1158:1997+A1:2002

COIL SPRING

Coil spring (3) for large sized leaves to reinforce the door closer, with mechanical functioning and positioned high up on the hinge-side of the leaf (pull-side of the door). The steel tension cable is attached to the cross beam of the doorframe. Finished in the same color as the door leaf (except for replacements).



Optional accessories

Hinged gates with block frame

PAINTING

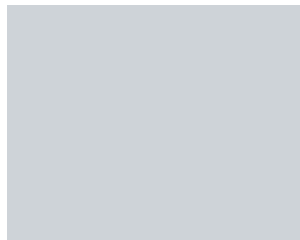
With ecologically formulated anti-corrosive epoxide primer. Minimum resistance to salt fog exposure: 300 hours (A.S.T.M. B - 117 - 61). Basic anti-corrosion coating: Light turquoise pastel.

Group 01 (Basic anti-corrosion coating only):

Light turquoise pastel
(similar to NCS4020-B50G)



RAL
7035



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

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

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

PRECAUTIONS

Installation

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

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

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

Cleaning

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



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

RAL 1004	RAL 1005	RAL 1006	RAL 1007	RAL 9006*	RAL 9007*
-------------	-------------	-------------	-------------	--------------	--------------

*Pre-approval of the sample is required.

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

RAL 1003	RAL 1012	RAL 1016	RAL 1021	RAL 1023	RAL 5002
-------------	-------------	-------------	-------------	-------------	-------------

Re-painting

For re-painting, use the following procedure:

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

Retouching

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

Optional accessories

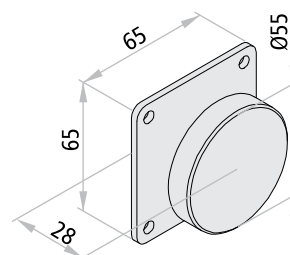
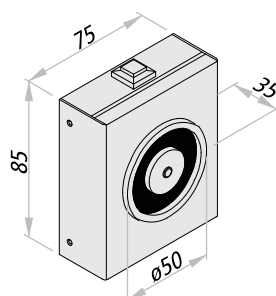
Hinged gates with block frame

EM/G1 WALL-MOUNTED ELECTROMAGNET WITH STRIKE PLATE ANCHORS

For smoke/heat detection systems, central control units and power supply, see the dedicated page in the accessories section of the present brochure.

Technical data for the EM/G1 electromagnet for leaves up to 5 m² of wall opening with a maximum leaf width of 1700 mm

power supply	24 V DC
current absorbed	70 mA
nominal power	2 W
force	> 55 Kg.
anti-magnetism	electromagnet endowed with pin
anti-jamming	internal varistor
conformity with standard	EN 1155

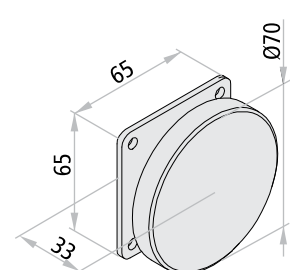
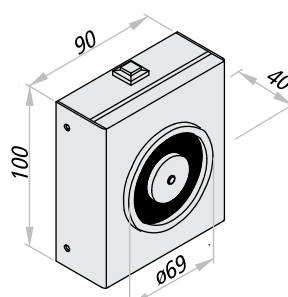


EM/G2 WALL-MOUNTED ELECTROMAGNET WITH STRIKE PLATE ANCHORS

For smoke/heat detection systems, central control units and power supply, see the dedicated page in the accessories section of the present brochure.

Technical data for the EM/G2 electromagnet for leaves up to 5 m² of wall opening or with leaf width greater than 1700 mm

power supply	24 V DC
current absorbed	70 mA
nominal power	2 W
force	> 140 Kg.
anti-magnetism	electromagnet endowed with pin
anti-jamming	connector with varistor
conformity with standard	EN 1155



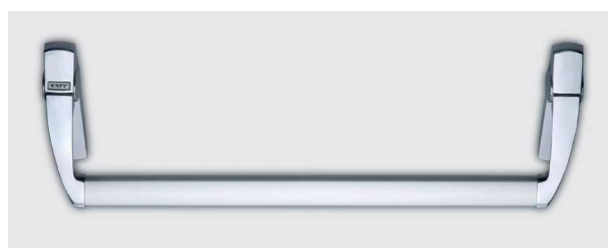
NOTE

Position the anchor 200 mm from the external edge of the leaf and as far as possible from the hinges.

PANIC BARS

Exus LP, LX and Twist panic bars are suitable for one-leaved gates or active and inactive leaves of two-leaved gates, with dimensions up to 2000x3000mm/leaf and masses up to 300 kg/leaf. Height of central bar from finished floor level: 955mm in case of Exus; 965mm in case of Twist.

For more information, please see the panic bars section of the present brochure. Panic bars for the installation onto hinged gates are always supplied with a horizontal bar of 1500mm length and with stainless steel external door furniture.



Exus LX