



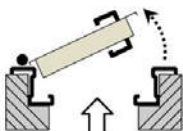
STANDARD DOOR

UNE-EN 1634-1, UNI 9.723, NF y PN

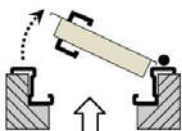
MULTIUSE,  EI2 60 , EI2 90, EI2 120



SINGLE LEAF

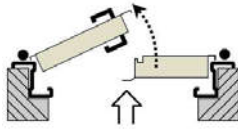


Left hand opening (SX)

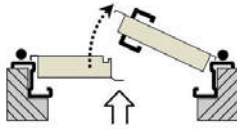


Right hand opening (DX)

DOUBLE LEAF



Left hand opening (SX)



Right hand opening (DX)

STANDARD HARDWARE

- Standard lock CR1	TESA model CF50, CEN 12209	(See “Lock” Section, page 85)
- Multiuse B-05 hinge	Galvanized steel material	(See “Hinge” Section page 74)
- Multiuse M0 handles	Polypropylene material black color	

OPTIONAL HARDWARE

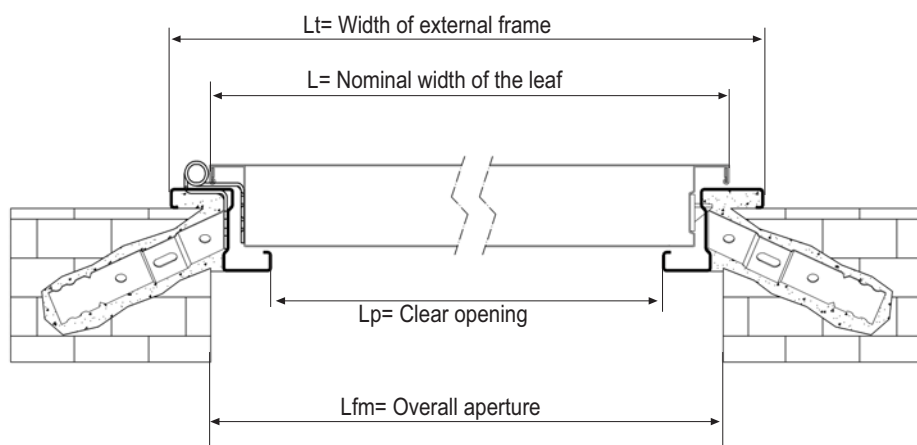
-Panic bar	CEN 1125	(See “Panic Bar” Section, page 91)
-Door-closers	CEN 1154	(See “Door Closers” Section page 115)
-Closer selector	CEN 1158	(See section “Hinge” page 74)

DESCRIPTION

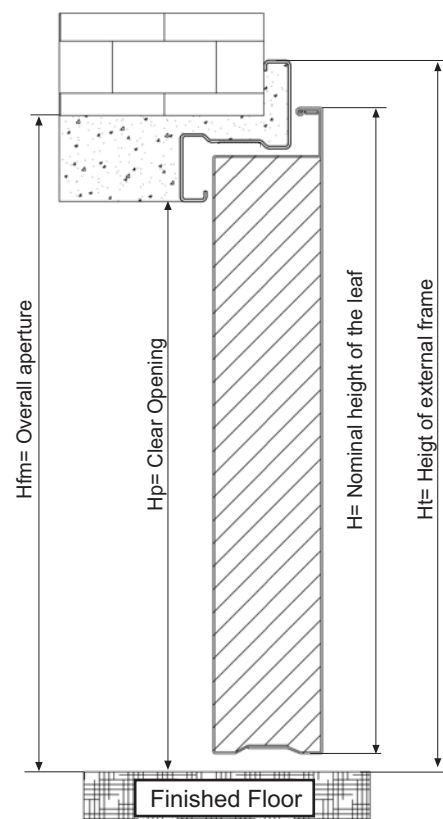
Multiuse single leaf

- MC3 frame is manufactured with a 1.2mm high resistant steel and completed cold smoke seal.
- Frame provided with 4 dead-end clamps of 1.5 thickness with a maximum of 2400mm height.
- Over this height the frame is provided with 6 dead-end clamps.
- The doors of a nominal height over 2400mm are provided with an additional hinge.
- Leaf of 53mm thick; manufactured in galvanized steel of 0.5 mm skin pass type.
- Expansible Polystyrene, 51mm thickness.
- CEN approved lock and cylinder patent key

HORIZONTAL SECTION OF A LEAF

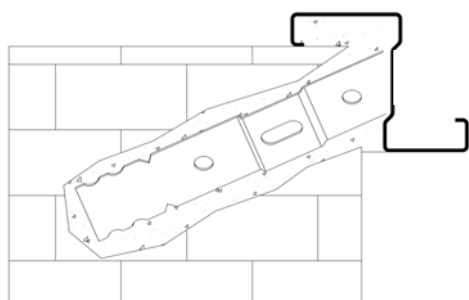


VERTICAL SECTION



STANDARD FRAME FIXATION

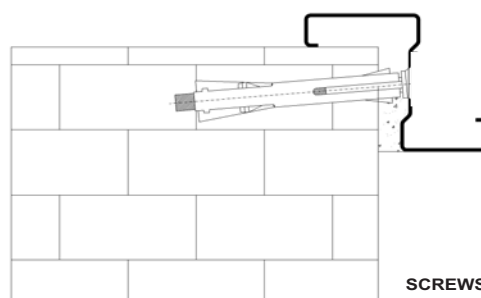
WITH CLAMPS



4 Clamps of 1,5 mm

OPTIONAL

FIXED WITH SCREWS



Fixed with 12 screws (6 for fitting)



SCREWS NOT INCLUDED

FRAMES



MC3 (Standard)



Type "B"



Type "C"



Type "M"

* For technical description of these finishes see page 47.

FINISHES

CLASSIC, frame and leaf is provided in RAL 7035.

GAMMACOLOR, frame and leaf are provided in RAL goffered epoxy- polyester range

INNOVA, there are optional frame colors according to RAL chart and leaf in digital printing system

* For technical description of these finishes see page 47.

ACCESSORIES

- MC6 Embracing frame



-Panic bar



-locks



-Door-closers



-Vision panel



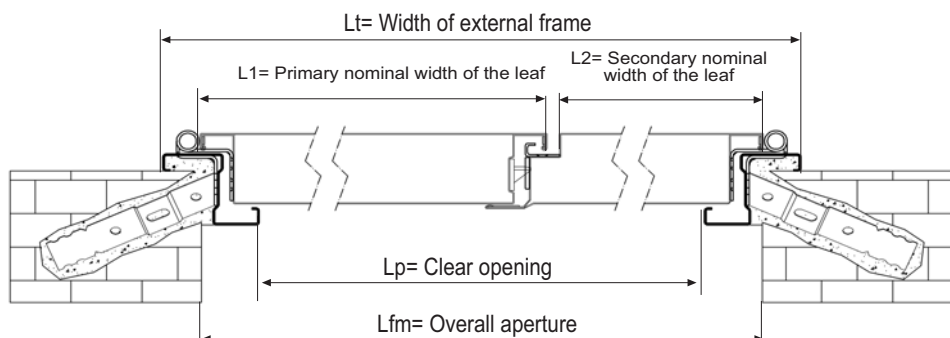
* For technical description of these accessories see page 90.

DESCRIPTION

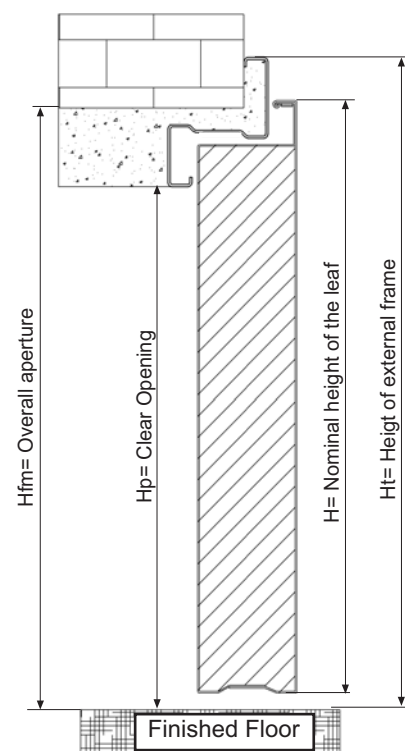
Multiuse double leaf

- MC3 frame is manufactured with 1.2mm high strength steel and completed with cold smoke seal.
- Frame provided with 11 dead-end clamps of 1.5 thickness with a maximum of 2400mm height. Over this height the frame is provided with 13 dead-end clamps.
- The doors of a nominal height over 2400mm are provided with an additional hinge per leaf.
- Leaf of 53mm thick; manufactured in galvanized steel of 0.5 mm skin pass type.
- Expansible Polystyrene, 51mm thick.
- CEN approved lock and cylinder patent key.
- Second leaf manufactured with superior and lower locks with manual activation.
- Instructions for fitting and maintenance
- Leaf weight, 18kg/m²

HORIZONTAL SECTION OF A LEAF

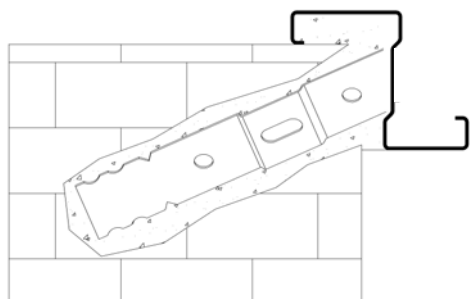


VERTICAL SECTION



STANDARD FRAME FIXATION

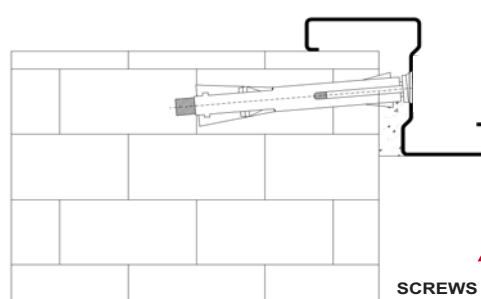
WITH CLAMPS



11 Clamps of 1,5 mm

OPTIONAL

FIXED WITH SCREWS



SCREWS NOT INCLUDED

Fixed with 15 screws (6 for fitting and 3 in the lintel)

FRAMES



MC3 (Standard)



Type "B"



Type "C"



Type "M"

* For technical description of these finishes see page 47.

FINISHES

CLASSIC, frame and leaf is provided in RAL 7035.

GAMMACOLOR, frame and leaf are provided in RAL goffered epoxy- polyester range

INNOVA, there are optional frame colors according to RAL chart and leaf in digital printing system

* For technical description of these finishes see page 47.

ACCESSORIES

- MC6 Embracing frame



-Panic bar



-locks



-Door-closers



-Vision panel



* For technical description of these accessories see page 90.

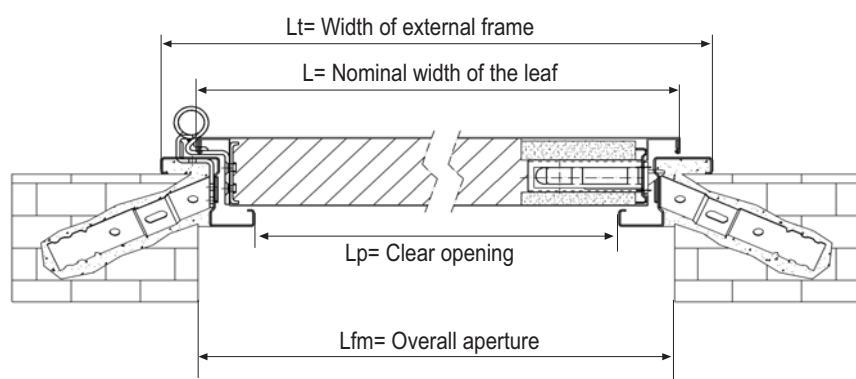
DESCRIPTION



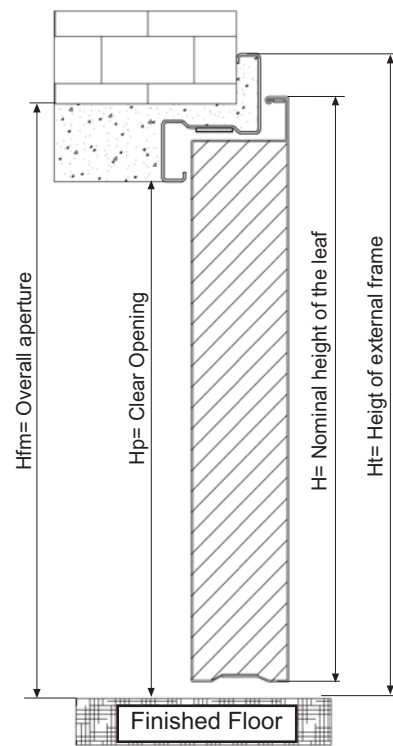
El₂ 60 Single leaf

- Three sides MC3 frame manufactured with 1.2mm high resistance steel and completed with cold smoke seal.
- Frame provided with 6 dead-end clamps of 1.5 thickness with a maximum of 2400mm height.
- Over this height, the frame is provided with 8 dead-end clamps.
- The doors of a nominal height over 2400mm are provided with an additional hinge.
- Leaf manufactured in galvanized steel sheet skin pass type, Ral COLOR 7035, 53 mm thickness.
- Rock wool insulation.
- Intumescent seal in El₂ 60:20 x 2mm frame.
- CEN approved EI hinge.
- CEN approved lock and cylinder patent key.
- DIN standard Fire resistant door handles provided in steel core of Polyamide.
- 1 anti-crow bar device
- Separators to facilitate an easy installation.
- Metallic identification sheet with standardization EI2
- Full instructions for fitting and maintenance of the unit are provided.
- Door leaf weight 25 kg/m².

HORIZONTAL SECTION OF A LEAF

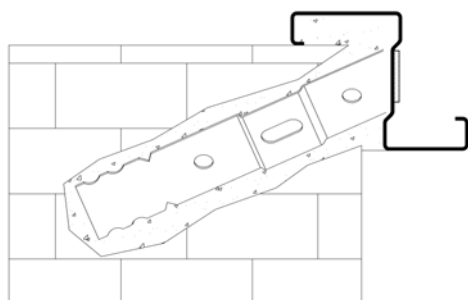


VERTICAL SECTION



STANDARD FRAME FIXATION

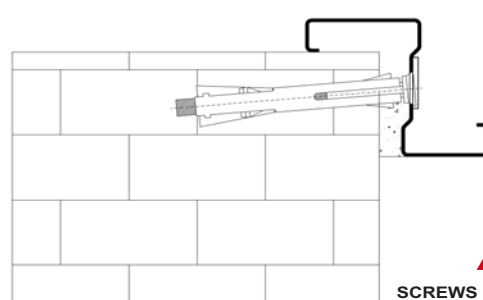
WITH CLAMPS



6 Clamps of 1,5 mm

OPTIONAL

FIXED WITH SCREWS



Fixed with 12 screws (6 for fitting)



SCREWS NOT INCLUDED

FRAMES



MC3 (Standard)



Type "B"

* For technical description of these finishes see page 47.

FINISHES

CLASSIC, frame and leaf is provided in RAL 7035.

GAMMACOLOR, frame and leaf are provided in RAL goffered epoxy- polyester range

INNOVA, there are optional frame colors according to RAL chart and leaf in digital printing system

* For technical description of these finishes see page 47.

ACCESSORIES

- MC6 Embracing frame



-Panic bar



-locks



-Door-closers



-Vision panel



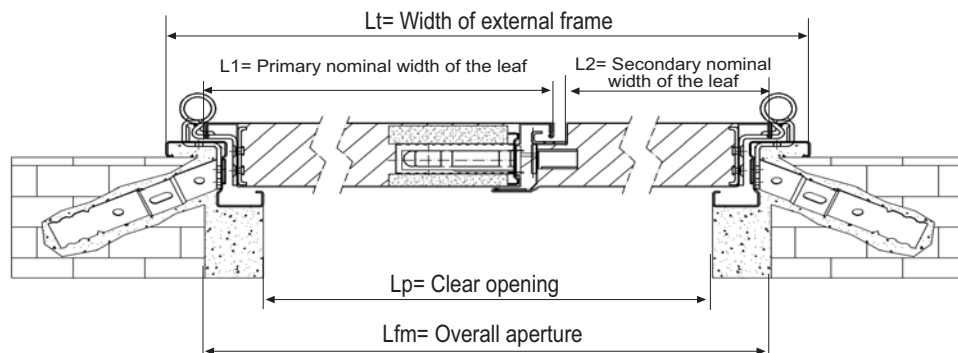
* For technical description of these accessories see page 90.

DESCRIPTION

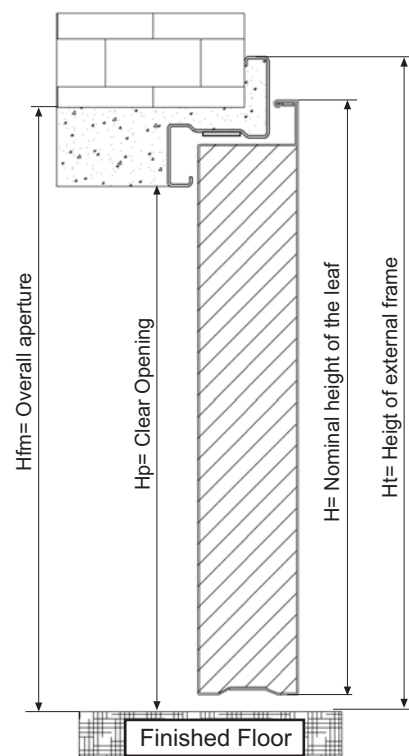
El2 60 Double Leaf

- Three sides MC3 frame is manufactured from 1.2mm high strength steel and is completed with cold smoke seal.
- Frame provided with 6 Dead-end clamps of 1.5 thickness with a maximum of 2400mm height. Over this height the frame is provided with 13 dead-end clamps.
- The doors of a nominal height over 2400mm are provided with an additional hinge per leaf.
- Leaf manufactured in galvanized steel sheet skin pass type, Ral COLOR 7035, 53 mm of thickness.
- Rock wool insulation.
- Intumescent seal in El2 60:20 x 2mm frame.
- CEN approved hinge.
- CEN approved lock.
- DIN standard fire resistant door handles provided in steel core of polyamide.
- 1 anti-crow bar device
- Separators to facilitate an easy installation.
- Secondary leaf provided with CR4 and bars with superior and lower closing.
- Metallic identification sheet with standardization EI2
- Full instructions for fitting and maintenance of the unit are provided.
- Door leaf weight 25 kg/m2.

HORIZONTAL SECTION OF A LEAF

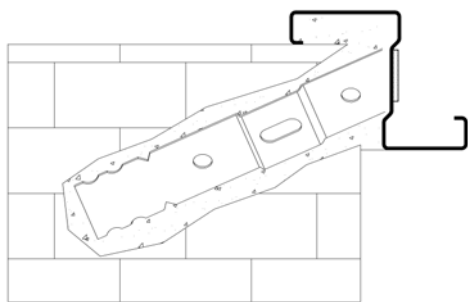


VERTICAL SECTION



STANDARD FRAME FIXATION

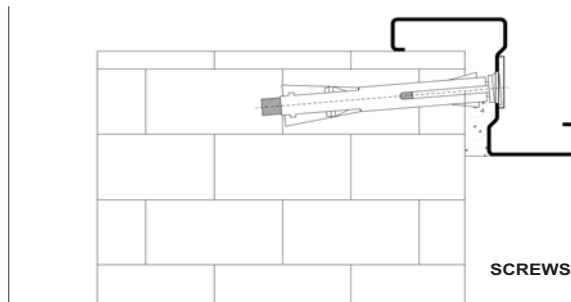
WITH CLAMPS



11 Clamps of 1,5 mm

OPTIONAL

FIXED WITH SCREWS



Fixed with 15 screws (6 for fitting and 3 in the lintel)



SCREWS NOT INCLUDED

FRAMES



MC3 (Standard)



Type "B"



Type "C"



Type "M"

* For technical description of these finishes see page 47.

FINISHES

CLASSIC, frame and leaf is provided in RAL 7035.

GAMMACOLOR, frame and leaf are provided in RAL goffered epoxy- polyester range

INNOVA, there are optional frame colors according to RAL chart and leaf in digital printing system

* For technical description of these finishes see page 47.

ACCESSORIES

- MC6 Embracing frame



-Panic bar



-locks



-Door-closers



-Vision panel -



* For technical description of these accessories see page 90.

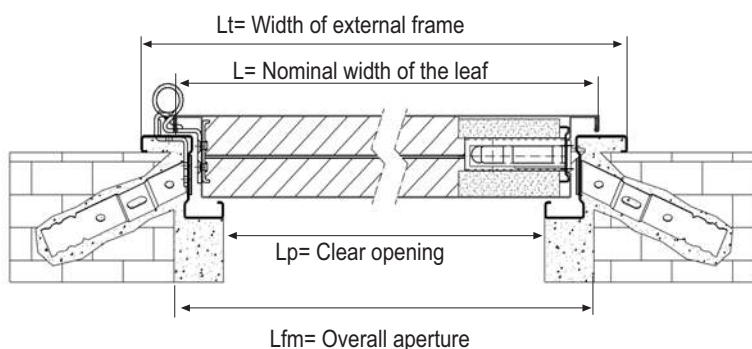
DESCRIPTION



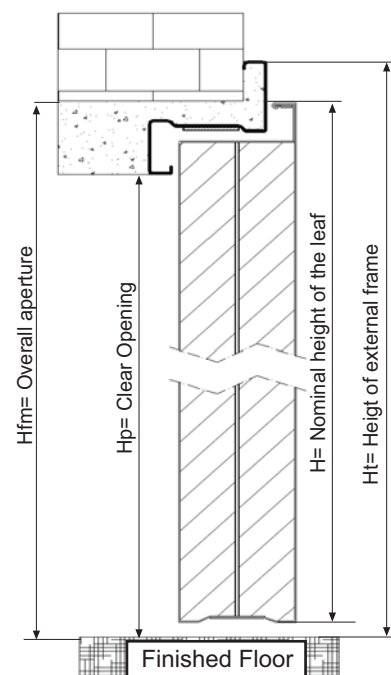
El2 120 Single leaf

- Three sides MC3 frame is manufactured with 1.2mm high resistant steel and is completed with cold smoke seal.
- Frame manufactured with 8 dead-end clamps of 1.5 thickness with a maximum of 2400mm height. Over this height the frame is provided with 10 dead-end clamps.
- The doors of a nominal height over 2400mm are provided with an additional hinge.
- Leaf manufactured in galvanized steel sheet skin pass type, Ral COLOR 7035, 63 mm of thickness.
- Rock wool insulation.
- Intumescent seal in EI2 120:30 x 2mm frame.
- CEN approved hinge.
- CEN approved lock and patent key cylinder.
- DIN standard fire resistant door handles provided in steel core of Polyamide.
- 2 anti-crow bar devices
- Separators to facilitate an easy installation.
- Metallic identification sheet with standardization EI2
- Full instructions for fitting and maintenance of the unit are provided.
- Door leaf weight 30 kg/m2.

HORIZONTAL SECTION OF A LEAF

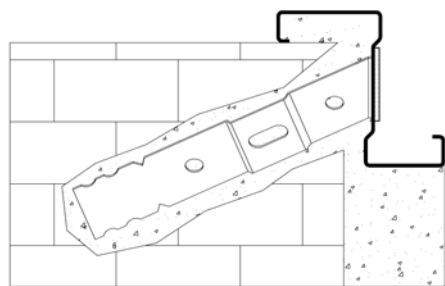


VERTICAL SECTION



STANDARD FRAME FIXATION

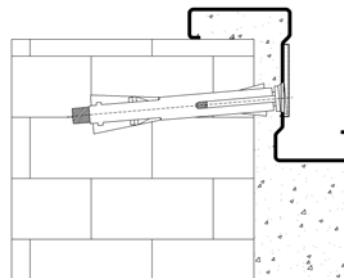
WITH CLAMPS



8 Clamps of 1,5 mm

OPTIONAL

FIXED WITH SCREWS



Fixed with 15 screws (6 for fitting)



SCREWS NOT INCLUDED

FRAMES



MC3 (Standard)



Stainless steel MC3



Stainless steel Type "B"



Type "C"



Type "M"

FINISHES

CLASSIC, frame and leaf is provided in RAL 7035.

GAMMACOLOR, frame and leaf are provided in RAL goffered epoxy- polyester range

INNOVA, there are optional frame colors according to RAL chart and leaf in digital printing system

STAINLESS STEEL, frame and sheet are presented in fingerprint-resistant stainless steel AISI 304

* For technical description of these finishes see page 47.

ACCESSORIES

- MC6 Embracing frame



-Panic bar



-locks



-Door-closers



-Vision panel



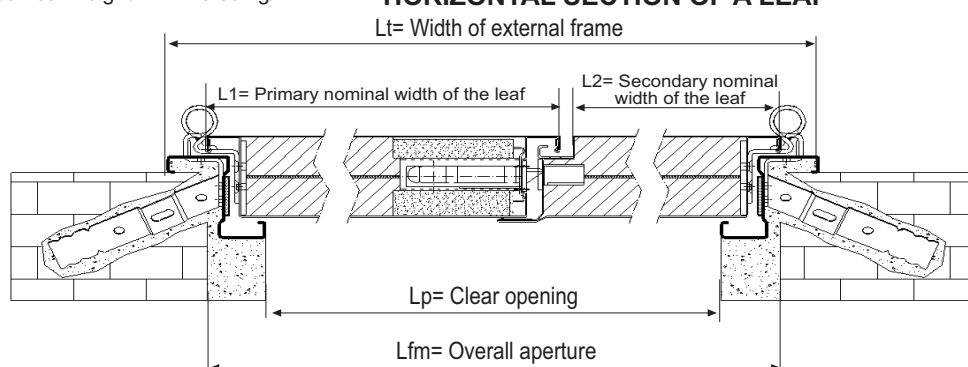
* For technical description of these accessories see page 90.

DESCRIPTION

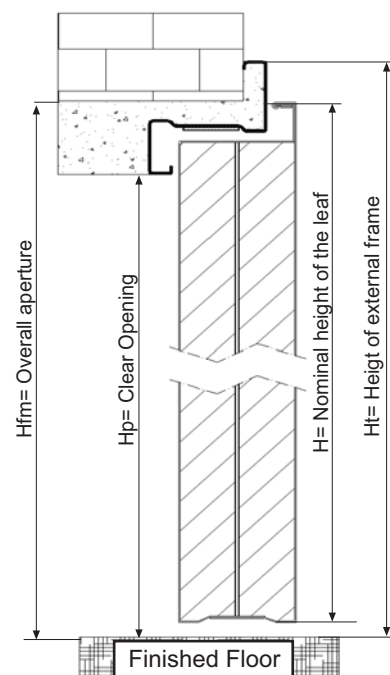
El2 120 Single leaf

- Three sides MC3 frame manufactured with 1.2mm high resistant steel and completed with cold smoke seal.
- Frame provided with 13 dead-end clamps of 1.5 thickness with a maximum of 2400mm height. Over this height the frame is provided with 15 dead-end clamps.
- The doors of a nominal height over 2400mm are provided with an additional hinge per leaf.
- Leaf manufactured in galvanized steel sheet skin pass type, Ral COLOR 7035, 63 mm thickness.
- Rock wool insulation.
- Intumescent seal in EI2 120:30 x 2mm frame.
- CEN approved EI hinge.
- CEN approved lock and cylinder patent key.
- DIN Standard Fire resistant door handles provided in steel core of Polyamide.
- 2 anti-crow bar devices
- Separators to facilitate an easy installation.
- Metallic identification sheet with standardization EI2
- Full instructions for fitting and maintenance of the unit are provided.
- Door leaf weight EI2 120 30 kg/m2.

HORIZONTAL SECTION OF A LEAF

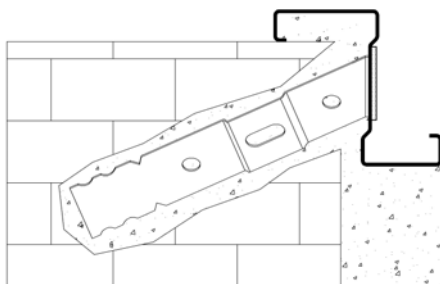


VERTICAL SECTION



STANDARD FRAME FIXATION

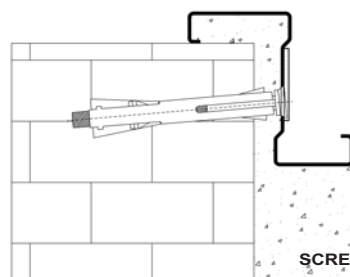
WITH CLAMPS



13 Clamps of 1,5 mm

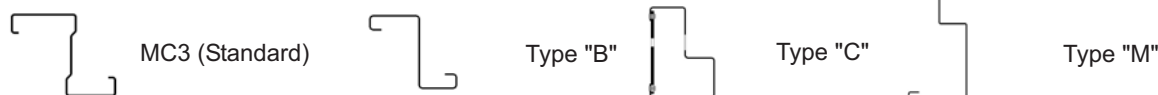
OPTIONAL

FIXED WITH SCREWS



Fixed with 15 screws (6 for fitting and 3 in the lintel)

FRAMES



* For technical description of these finishes see page 47.

FINISHES

CLASSIC, frame and leaf is provided in RAL 7035.

GAMMACOLOR, frame and leaf are provided in RAL goffered epoxy- polyester range

INNOVA, there are optional frame colors according to RAL chart and leaf in digital printing system

STAINLESS STEEL, frame and sheet are presented in fingerprint-resistant stainless steel AISI 304

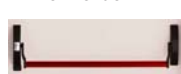
* For technical description of these finishes see page 47.

ACCESSORIES

- MC6 Embracing frame



-Panic bar



-locks



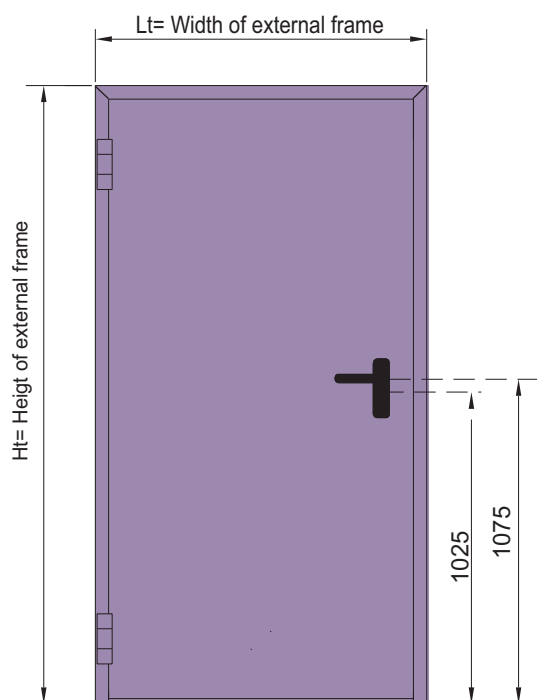
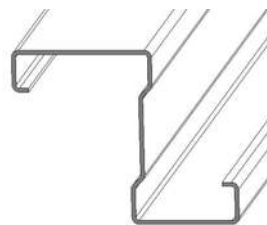
-Door-closers



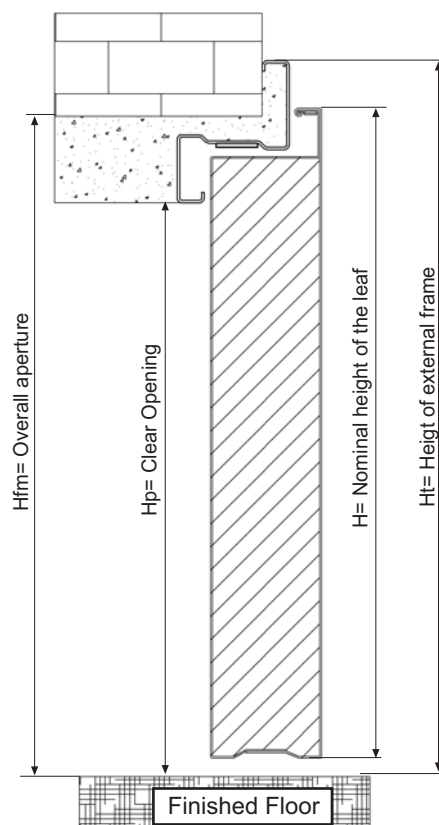
-Vision panel



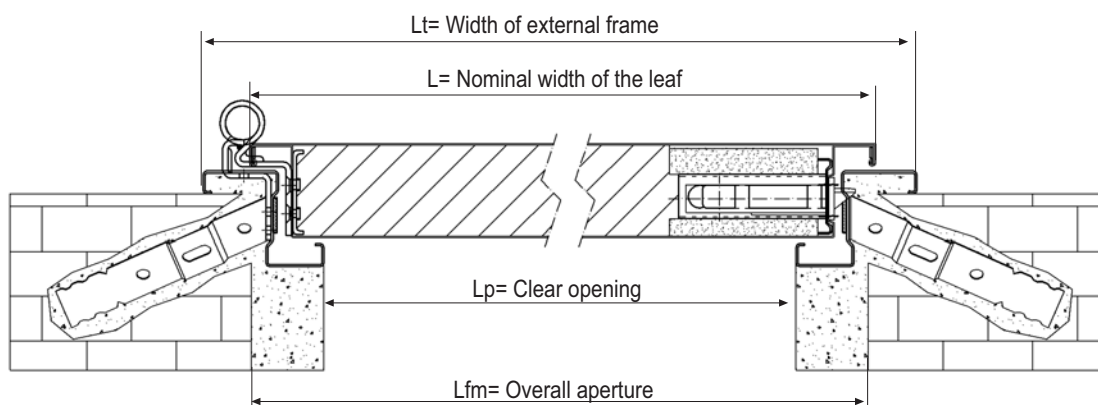
* For technical description of these accessories see page 90.



VERTICAL SECTION

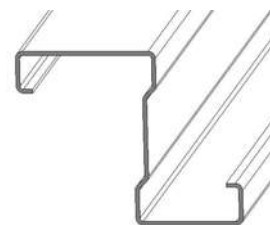


HORIZONTAL SECTION OF A LEAF



MC3 FRAME DIMENSIONS

**Standard single leaf doors:
Multiuse, El₂ 60, El₂ 120**



DIMENSIONS

GENERAL DIMENSION TABLE

For these dimensions, a tolerance of $\pm 3\text{mm}$ is applicable.

Nominal leaf	Overall aperture Lfm x Hfm	Clear opening Lp x Hp	Internal Frame Lp x Hp	External frame Lt x Ht
L x H	L x (H+10)	(L-85) x (H-33,5)	(L-15) x (H+3)	(L+50) x (H+34)

STANDARD DIMENSIONS

Nominal leaf	Overall aperture Lfm x Hfm	Clear opening Lp x Hp	Internal Frame Lp x Hp	External frame Lt x Ht
800 x 2050	800 x 2060	715 x 2016,5	785 x 2053	850 x 2084
890 x 2050	890 x 2060	805 x 2016,5	875 x 2053	940 x 2084
990 x 2050	990 x 2060	905 x 2016,5	975 x 2053	1040 x 2084
1100 x 2050	1100 x 2060	1015 x 2016,5	1085 x 2053	1150 x 2084
1200 x 2050	1200 x 2060	1115 x 2016,5	1185 x 2053	1250 x 2084
1300 x 2050	1300 x 2060	1215 x 2016,5	1285 x 2053	1350 x 2084
800 x 2140	800 x 2150	715 x 2106,5	785 x 2143	850 x 2174
890 x 2140	890 x 2150	805 x 2106,5	875 x 2143	940 x 2174
990 x 2140	990 x 2150	905 x 2106,5	975 x 2143	1040 x 2174
1100 x 2140	1100 x 2150	1015 x 2106,5	1085 x 2143	1150 x 2174
1200 x 2140	1200 x 2150	1115 x 2106,5	1185 x 2143	1250 x 2174
1300 x 2140	1300 x 2150	1215 x 2106,5	1285 x 2143	1350 x 2174

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the overall aperture dimensions**:
To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

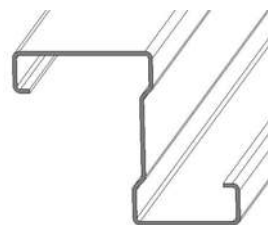
Overall aperture	External Frame Lt x Ht	Clear opening Lp x Hp	Internal Frame Lp x Hp	Nominal L x H
Lfm x Hfm	(Lfm+50) x (Hfm+24)	(Lfm-85) x (Hfm-43,5)	(Lfm-15) x (Hfm-7)	Lfm x (Hfm-10)

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the clear opening dimensions**:
To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

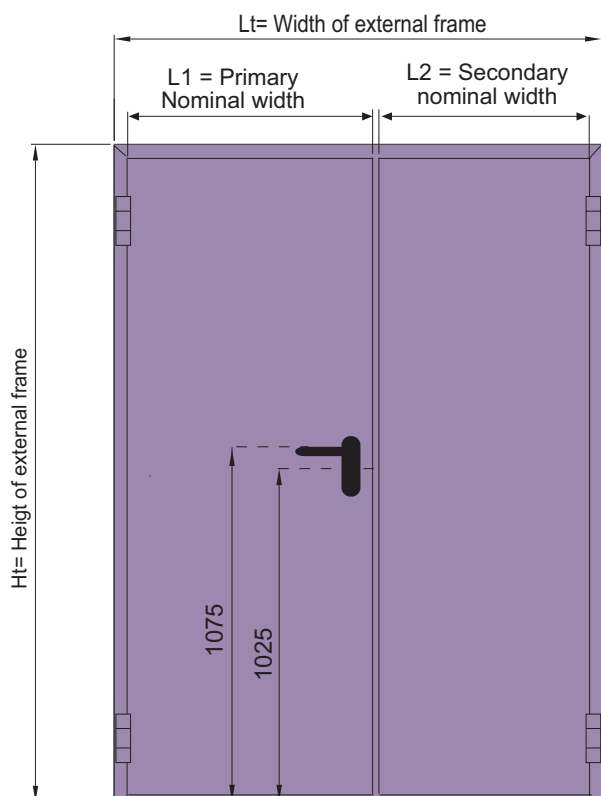
Clear opening	Overall aperture Lfm x Hfm	External Frame Lt x Ht	Internal Frame Lp x Hp	Nominal leaf L x H
Lp x Hp	(Lp+85) x (Hp+43,5)	(Lp+135) x (Hp+67,5)	(Lp+70) x (Hp+36)	(Lp+85) x (Hp+33,5)

MC3 FRAME DIMENSIONS

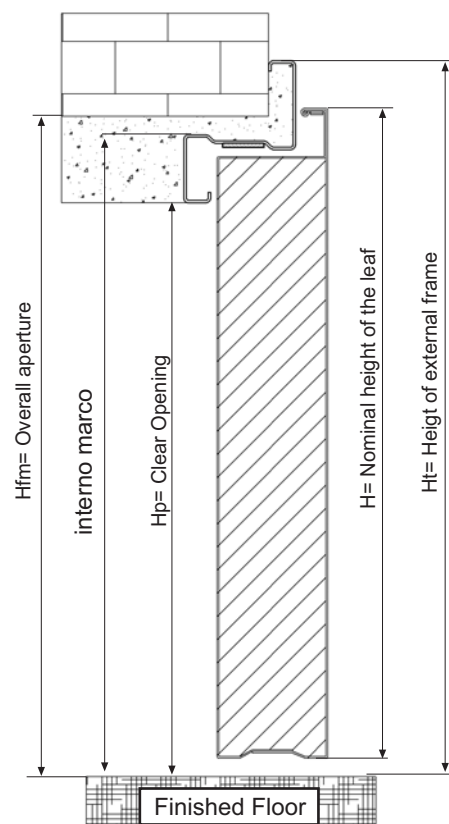
Standard single leaf doors:
Multiuse, El₂ 60, El₂ 120



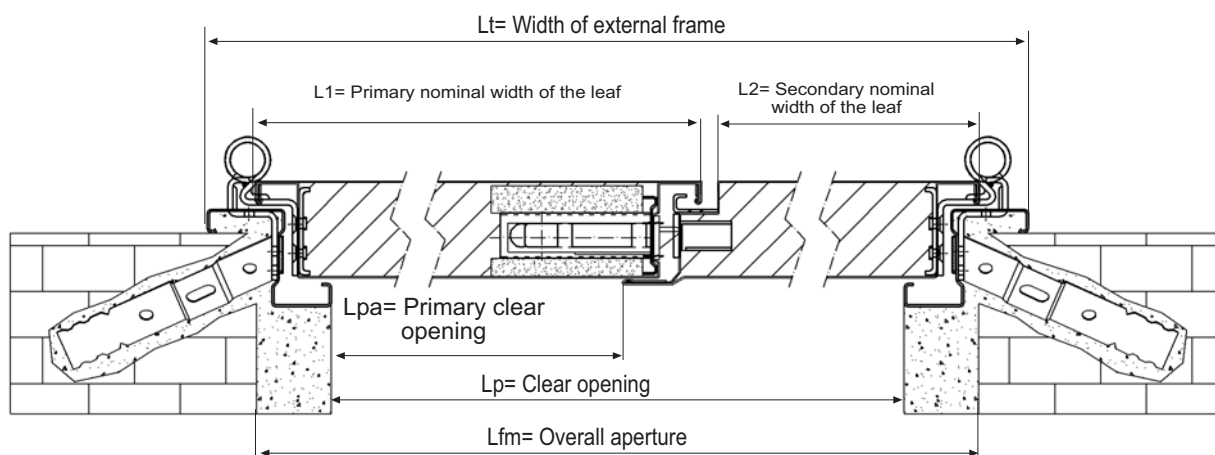
DIMENSIONS

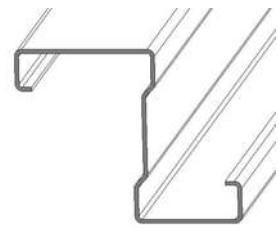


VERTICAL SECTION



HORIZONTAL SECTION OF A LEAF





MC3 FRAME DIMENSIONS

Standard single leaf doors: Multiuse, EI₂ 60, EI₂ 120

GENERAL DIMENSION TABLE

For these dimensions, a tolerance of $\pm 3\text{mm}$ is applicable.

Nominal leaf (L1+ L2) x H	Overall aperture Lfm x Hfm	Primary clear opening Lpa	Clear opening Lp x Hp	Internal Frame Li x Hi	External Frame Lt x Ht
(L1+ L2) x H	(L1+L2+10) x (H+10)	L1 - 87	(L1+L2-78) x (H-33,5)	(L1+L2-2) x (H+3)	(L1+ L2+60) x (H+34)

STANDARD DIMENSIONS *for the case of double leaf EI₂ 120; 10 mm shall be added

Nominal leaf (L1+L2) x H	Overall aperture Lfm x Hfm	Primary clear opening Lpa	Clear opening Lp x Hp	Internal Frame Lp x Hp	External Frame Lt x Ht
600+590* (1190*) x 2050	1200* x 2060	513	1112* x 2016.5	1188* x 2053	1250* x 2084
800+400 (1200) x 2050	1210 x 2060	713	1122 x 2016.5	1188 x 2053	1260 x 2084
650+640* (1290*) x 2050	1300* x 2060	563	1212* x 2016.5	1288* x 2053	1350* x 2084
890+400 (1290) x 2050	1300 x 2060	803	1212 x 2016.5	1288 x 2053	1350 x 2084
700+690* (1390*) x 2050	1400* x 2060	613	1312* x 2016.5	1388* x 2053	1450* x 2084
990+400 (1390) x 2050	1400 x 2060	903	1312 x 2016.5	1388 x 2053	1450 x 2084
750+740* (1490*) x 2050	1500* x 2060	663	1412* x 2016.5	1488* x 2053	1550* x 2084
800+790* (1590*) x 2050	1600* x 2060	713	1512* x 2016.5	1588* x 2053	1650* x 2084
890+880* (1770*) x 2050	1780* x 2060	803	1692* x 2016.5	1768* x 2053	1830* x 2084
990+980* (1970*) x 2050	1980* x 2060	903	1892* x 2016.5	1968* x 2053	2030* x 2084
600+590* (1190*) x 2140	1200* x 2150	513	1112* x 2106.5	1188* x 2143	1250* x 2174
800+400 (1200) x 2140	1210 x 2150	713	1122 x 2106.5	1188 x 2143	1260 x 2174
650+640* (1290*) x 2140	1300* x 2150	563	1212* x 2106.5	1288* x 2143	1350* x 2174
890+400 (1290) x 2140	1300 x 2150	803	1212 x 2106.5	1288 x 2143	1350 x 2174
700+690* (1390*) x 2140	1400* x 2150	613	1312* x 2106.5	1388* x 2143	1450* x 2174
990+400 (1390) x 2140	1400 x 2150	903	1312 x 2106.5	1388 x 2143	1450 x 2174
750+740* (1490*) x 2140	1500* x 2150	663	1412* x 2106.5	1488* x 2143	1550* x 2174
800+790* (1590*) x 2140	1600* x 2150	803	1512* x 2106.5	1588* x 2143	1650* x 2174
890+880* (1770*) x 2140	1780* x 2150	903	1692* x 2106.5	1768* x 2143	1830* x 2174
990+980* (1970*) x 2140	1980* x 2150	903	1892* x 2106.5	1968* x 2143	2030* x 2174

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the overall aperture dimensions**:

To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

Overall aperture	External Frame Lt x Ht	Clear opening Lp x Hp	Internal Frame Li x Hi	Nominal leaf (L1+L2) x H
Lfm x Hfm	(Lfm+50) x (Hfm+24)	(Lfm-88) x (Hfm-43,5)	(Lfm-12) x (Hfm-7)	(Lfm-10) x (Hfm-10)

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the clear opening dimensions**:

To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

Clear opening	Overall aperture Lfm x Hfm	External Frame Lt x Ht	Internal Frame Li x Hi	Nominal leaf (L1+L2) x H
Lp x Hp	(Lp+88) x (Hp+43,5)	(Lp+138) x (Hp+67,5)	(Lp+76) x (Hp+36)	(Lp+78) x (Hp+33,5)

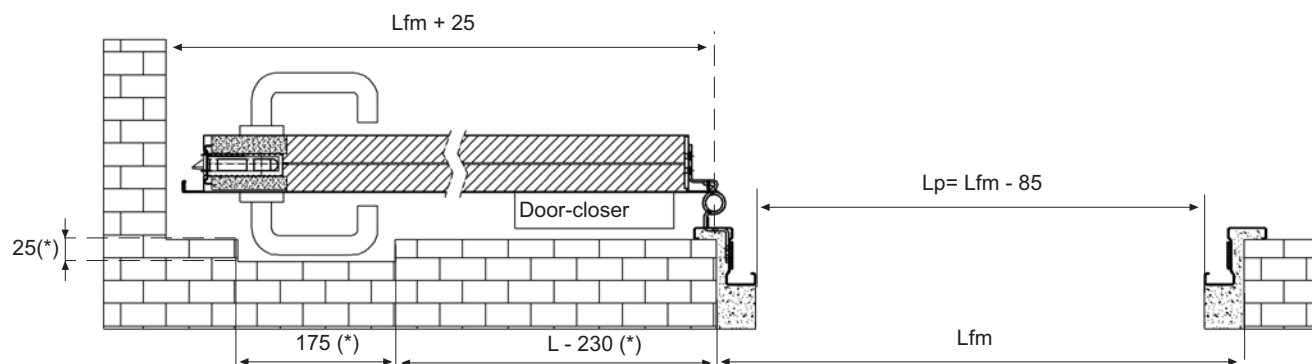
SINGLE LEAF APERTURE

With MC3 and Rever frames, 180°, 125° and 90°

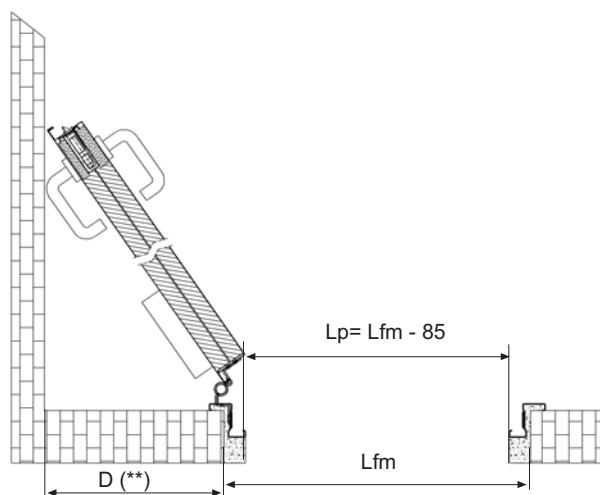
⚠ All the measures are approximated and are expressed in mm

INSTALLATION FOR APERTURE UP TO 180°

(It is necessary to be fitted into the wall)



INSTALLATION FOR MAXIMUM CLEAR OPENING - Aperture minimum of 125°



STANDARD DIMENSION

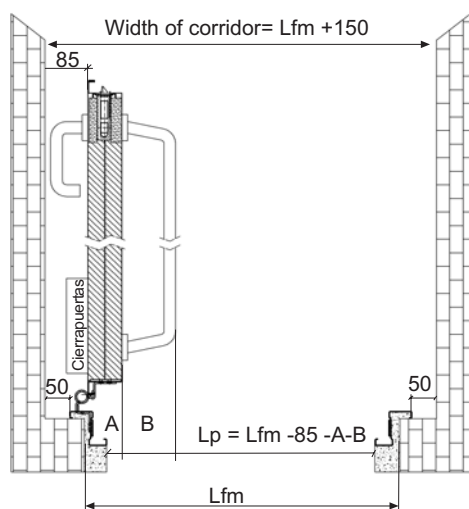
NOMINAL WIDTH	D
800	460
890	520
990	570
1100	640
1200	690
1300	750

L = Lfm

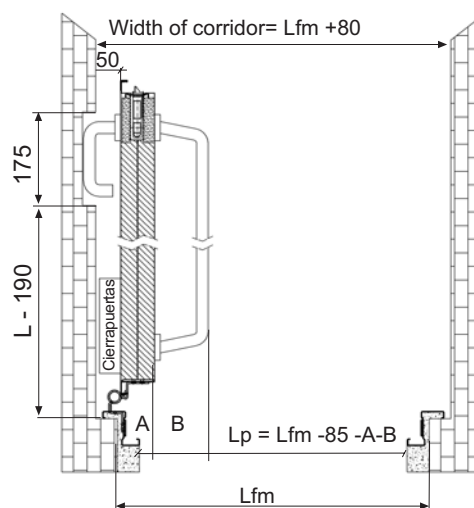
⚠ (***) Maximum distance of separation between the Overall aperture and the closest wall near to the Hinges.
If the door includes a panic bar, maximum clear opening will not be obtained

INSTALLATION IN CORRIDOR - APERTURE UP TO 90°

90° aperture in corridor of excellent width
(It is not required to be fitted into the wall)



90° aperture in a corridor with a minimum width
(It is required to be installed into the wall)



A = 29 for EI20-120
A = 19 for EI2-60

B = differs depending on the handle or the installed bar (see accessories section).
(example B = 100 for panic bar SR Series
B = 70 for standard handle M0 and M1)

(*) Measures for PUERTAS PADILLA standard handle

⚠ Some handles and door closers can require the fitting into the wall. The installation ALWAYS has to be studied and approved by the Construction department

DOUBLE LEAF APERTURE

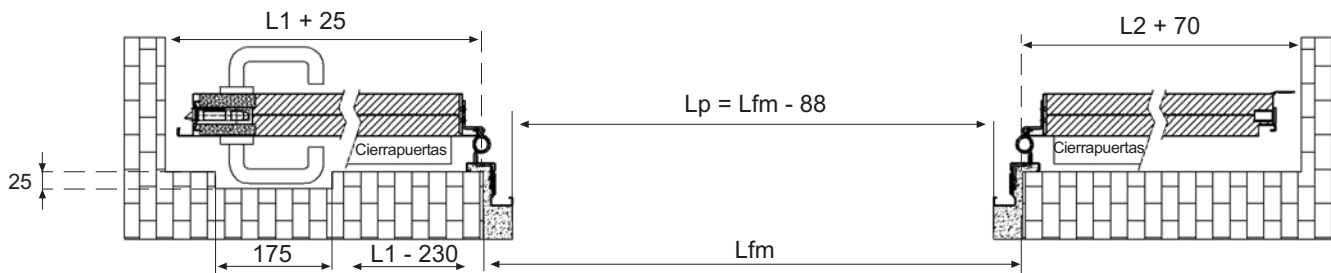
With MC3 and Rever frames, 180°, 125° and 90°



All the measures are approximated and are expressed in mm

INSTALLATION FOR APERTURE UP TO 180°

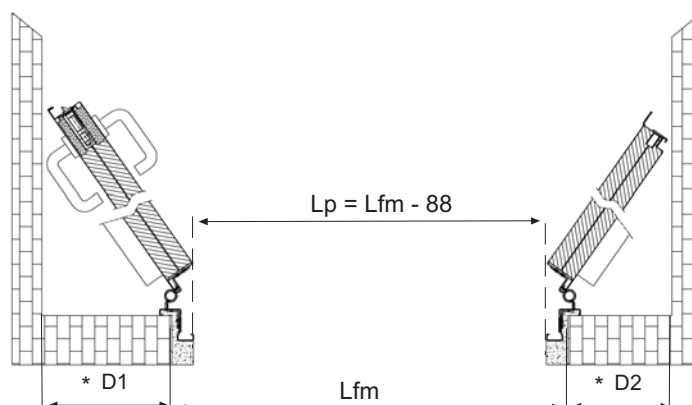
(It is necessary to be fitted into the wall)



INSTALLATION FOR MAXIMUM CLEAR OPENING - Aperture minimum of 125°

STANDARD DIMENSION

NOMINAL WIDTH, L1	D1
600	350
700	410
750	440
800	460
890	520
990	570



STANDARD DIMENSION

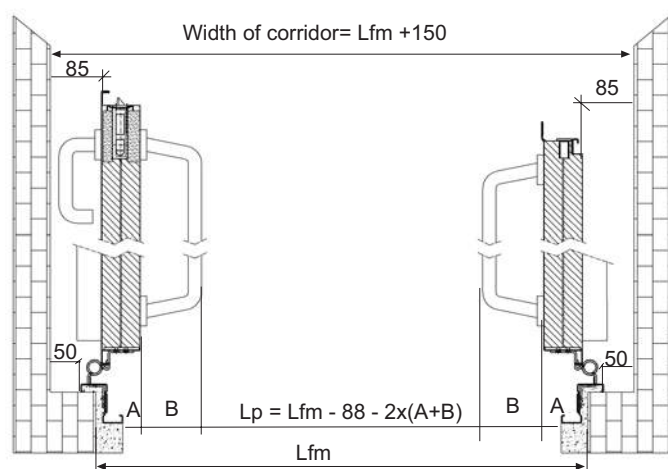
NOMINAL WIDTH, L2	D2
400	240
600	360
700	420
800	470
890	530
990	580



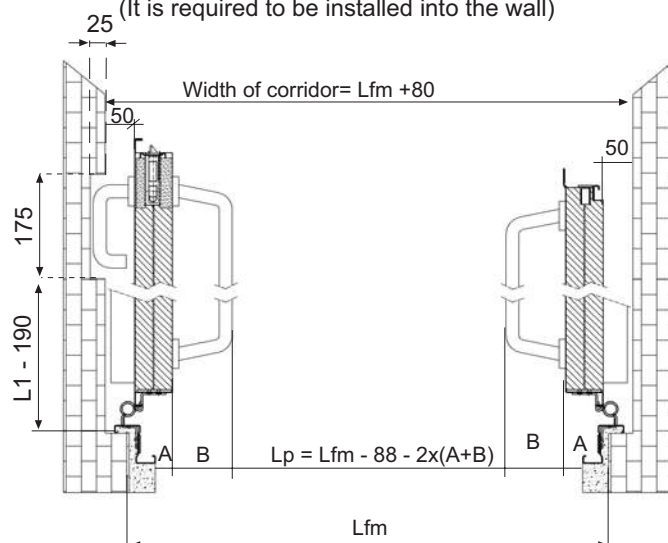
(**) Maximum distance of separation between the Overall aperture and the closest wall near to the Hinges.
If the door includes a panic bar, maximum clear opening will not be obtained

INSTALATION IN CORRIDOR - APERTURE UP TO 90°

90° aperture in corridor of excellent width
(It is not required to be fitted into the wall)



90° aperture in a corridor with a minimum width
(It is required to be installed into the wall)

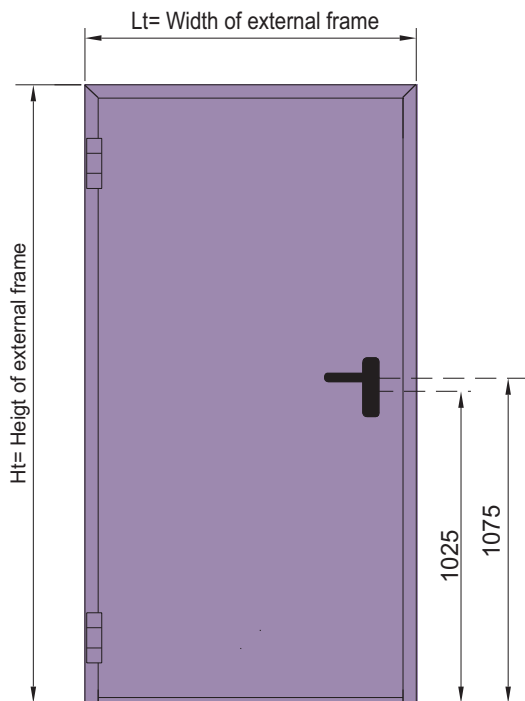


A= 29 for EI20-120
A= 19 for EI2-60

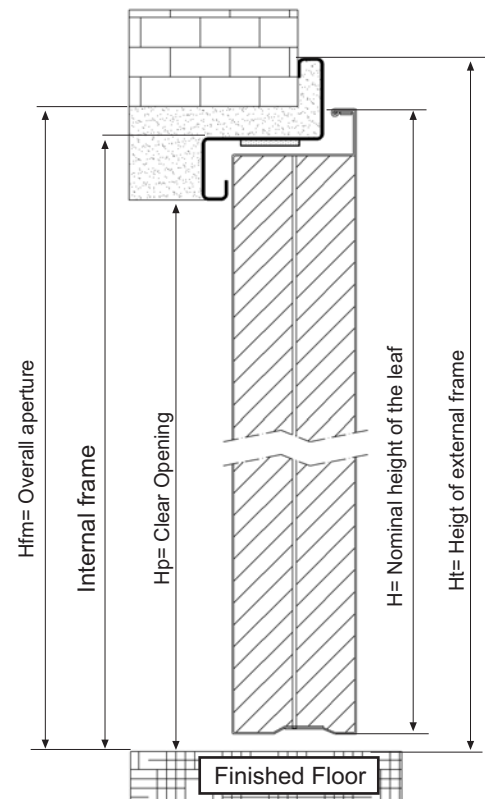
B= differs depending on the handle or the installed bar (see accessories section).
(example B= 100 for panic bar SR Series
B= 70 for standard handle M0 and M1)

(*) Measures for PUERTAS PADILLA standard handle

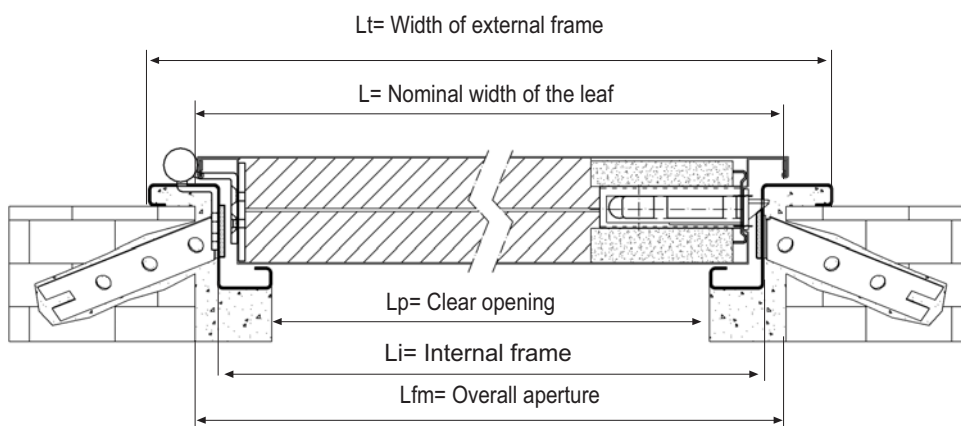
Some handles and door closers can require the fitting into the wall. The installation ALWAYS has to be studied and approved by the Construction department

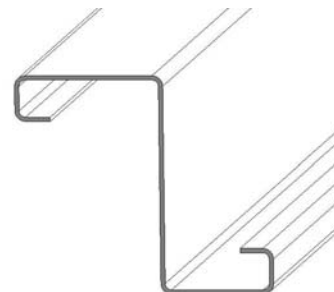


VERTICAL SECTION



HORIZONTAL SECTION OF A LEAF





GENERAL DIMENSION TABLE

For these dimensions, a tolerance of $\pm 3\text{mm}$ is applicable.

Nominal leaf	Overall aperture Lfm x Hfm	Clear opening Lp x Hp	Internal Frame Li x Hi	External frame Lt x Ht
L x H	L x (H+10)	(L-91) x (H-38)	(L-20) x (H-2)	(L+55) x (H+35)

STANDARD DIMENSIONS

Nominal leaf	Overall aperture Lfm x Hfm	Clear opening Lp x Hp	Internal Frame Li x Hi	External frame Lt x Ht
800 x 2050	800 x 2060	709 x 2012	780 x 2048	855 x 2085
890 x 2050	890 x 2060	799 x 2012	870 x 2048	945 x 2085
990 x 2050	990 x 2060	899 x 2012	970 x 2048	1045 x 2085
1100 x 2050	1100 x 2060	1009 x 2012	1080 x 2048	1155 x 2085
1200 x 2050	1200 x 2060	1109 x 2012	1180 x 2048	1255 x 2085
1300 x 2050	1300 x 2060	1209 x 2012	1280 x 2048	1355 x 2085
800 x 2140	800 x 2150	709 x 2102	780 x 2138	855 x 2175
890 x 2140	890 x 2150	799 x 2102	870 x 2138	945 x 2175
990 x 2140	990 x 2150	899 x 2102	970 x 2138	1045 x 2175
1100 x 2140	1100 x 2150	1009 x 2102	1080 x 2138	1155 x 2175
1200 x 2140	1200 x 2150	1109 x 2102	1180 x 2138	1255 x 2175
1300 x 2140	1300 x 2150	1209 x 2102	1280 x 2138	1355 x 2175

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the overall aperture dimensions**:

To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

Overall aperture	External Frame Lt x Ht	Clear opening Lp x Hp	Internal Frame Li x Hi	Nominal L x H
Lfm x Hfm	(Lfm+55) x (Hfm+25)	(Lfm-91) x (Hfm-48)	(Lfm-20) x (Hfm-12)	Lfm x (Hfm-10)

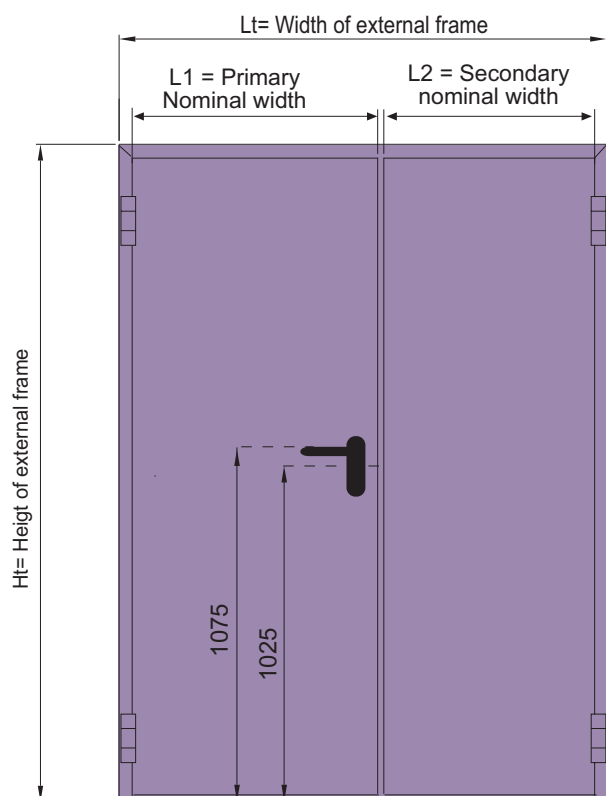
TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the clear opening dimensions**:

To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

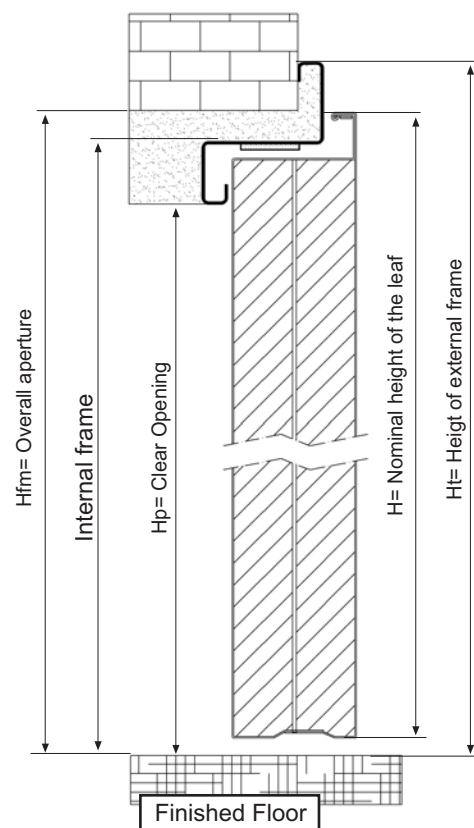
Clear opening	Overall aperture Lfm x Hfm	External Frame Lt x Ht	Internal Frame Li x Hi	Nominal leaf L x H
Lp x Hp	(Lp+91) x (Hp+48)	(Lp+146) x (Hp+73)	(Lp+71) x (Hp+36)	(Lp+91) x (Hp+38)

STAINLESS STEEL MC3 FRAME DIMENSIONS

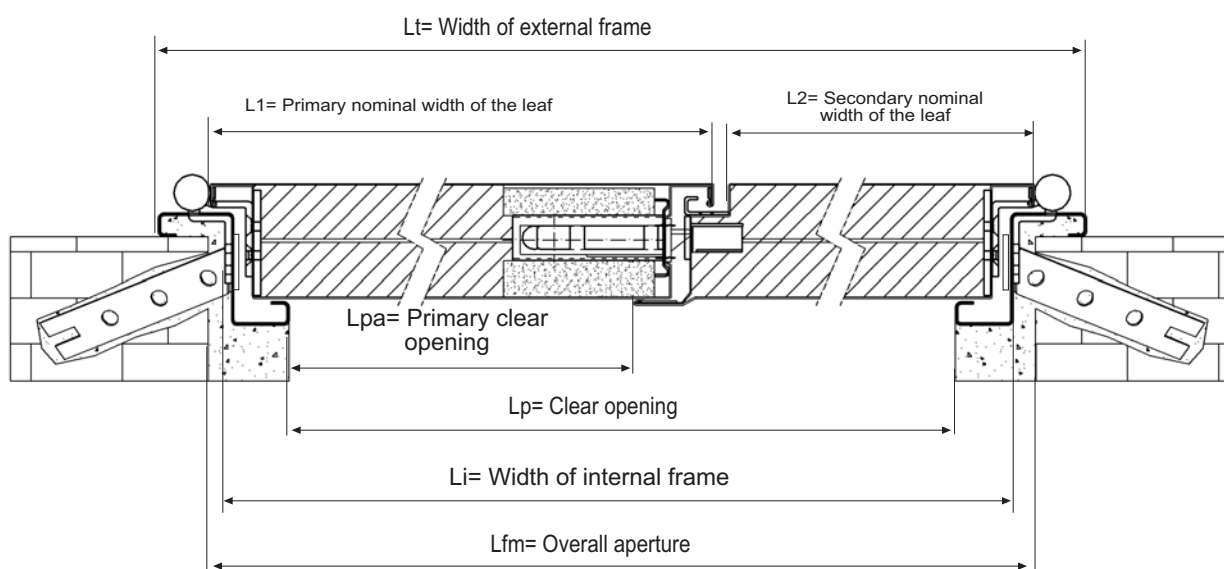
Double leaf standard door:
El2 120

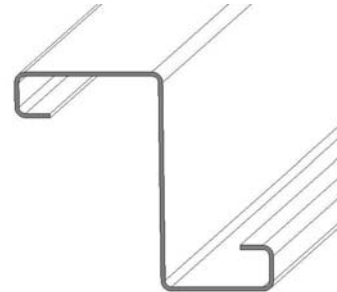


VERTICAL SECTION



HORIZONTAL SECTION OF A LEAF





STAINLESS STEEL MC3 FRAME DIMENSIONS

Double leaf standard door: El2 120

GENERAL DIMENSION TABLE

For these dimensions, a tolerance of $\pm 3\text{mm}$ is applicable.

Nominal leaf	Overall aperture Lfm x Hfm	Primary clear opening Lpa	Clear opening Lp x Hp	Internal Frame Li x Hi	External Frame Lt x Ht
$(L1 + L2) \times H$	$(L1 + L2 + 10) \times (H + 10)$	$L1 - 87$	$(L1 + L2 - 80) \times (H - 38)$	$(L1 + L2 - 9) \times (H - 2)$	$(L1 + L2 + 66) \times (H + 35)$

STANDARD DIMENSIONS

Nominal leaf	Overall aperture Lfm x Hfm	Primary clear opening Lpa	Clear opening Lp x Hp	Internal Frame Li x Hi	External Frame Lt x Ht
600+600 (1200) x 2050	1210 x 2060	513	1120 x 2012	1191 x 2048	1266 x 2085
800+400 (1200) x 2050	1210 x 2060	713	1120 x 2012	1191 x 2048	1266 x 2085
650+650 (1300) x 2050	1310 x 2060	563	1220 x 2012	1291 x 2048	1366 x 2085
890+400 (1290) x 2050	1300 x 2060	803	1210 x 2012	1281 x 2048	1356 x 2085
700+700 (1400) x 2050	1400 x 2060	613	1320 x 2012	1391 x 2048	1466 x 2085
990+400 (1390) x 2050	1410 x 2060	903	1310 x 2012	1381 x 2048	1456 x 2085
750+750 (1500) x 2050	1510 x 2060	663	1420 x 2012	1491 x 2048	1566 x 2085
800+800 (1600) x 2050	1610 x 2060	713	1520 x 2012	1591 x 2048	1666 x 2085
890+890 (1780) x 2050	1790 x 2060	803	1700 x 2012	1771 x 2048	1846 x 2085
990+990 (1980) x 2050	1990 x 2060	903	1900 x 2012	1971 x 2048	2046 x 2085
600+600 (1200) x 2140	1210 x 2150	513	1120 x 2102	1191 x 2138	1266 x 2175
800+400 (1200) x 2140	1210 x 2150	713	1120 x 2102	1191 x 2138	1266 x 2175
650+650 (1300) x 2140	1310 x 2150	563	1220 x 2102	1291 x 2138	1366 x 2175
890+400 (1290) x 2140	1300 x 2150	803	1210 x 2102	1281 x 2138	1356 x 2175
700+700 (1400) x 2140	1410 x 2150	613	1320 x 2102	1391 x 2138	1466 x 2175
990+400 (1390) x 2140	1400 x 2150	903	1310 x 2102	1381 x 2138	1456 x 2175
750+750 (1500) x 2140	1510 x 2150	663	1420 x 2102	1491 x 2138	1566 x 2175
800+800 (1600) x 2140	1610 x 2150	803	1520 x 2102	1591 x 2138	1666 x 2175
890+890 (1780) x 2140	1790 x 2150	903	1700 x 2102	1771 x 2138	1846 x 2175
990+990 (1980) x 2140	1990 x 2150	903	1900 x 2102	1971 x 2138	2046 x 2175

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the overall aperture dimensions**:

To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

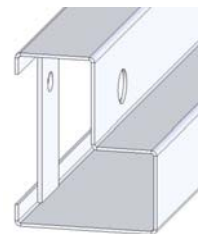
Overall aperture	External Frame Lt x Ht	Clear opening Lp x Hp	Internal Frame Li x Hi	Nominal leaf (L1+L2) x H
Lfm x Hfm	$(Lfm + 56) \times (Hfm + 25)$	$(Lfm - 90) \times (Hfm - 48)$	$(Lfm - 19) \times (Hfm - 12)$	$(Lfm - 10) \times (Hfm - 10)$

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the clear opening dimensions**:

To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

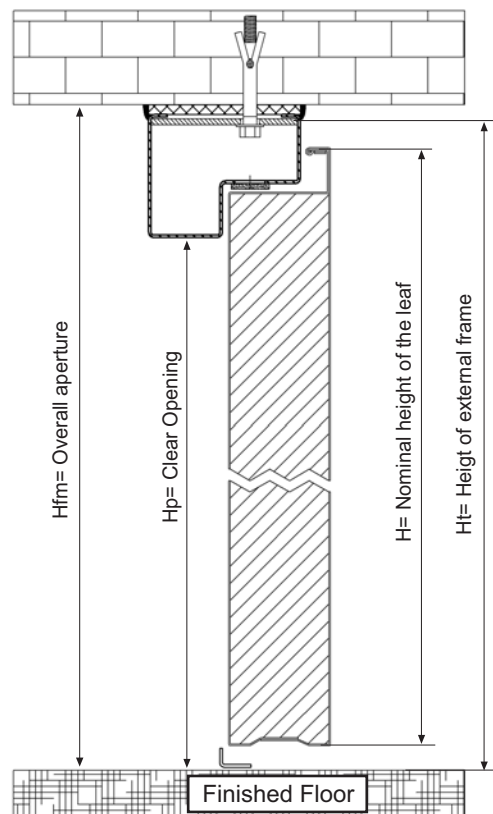
Overall aperture	External Frame Lt x Ht	Clear opening Lp x Hp	Internal Frame Li x Hi	Nominal leaf (L1+L2) x H
Lp x Hp	$(Lp + 90) \times (Hp + 48)$	$(Lp + 146) \times (Hp + 73)$	$(Lp + 71) \times (Hp + 36)$	$(Lp + 80) \times (Hp + 38)$

El₂ 30, single leaf



Technical drawing of a door with dimensions and labels:

- Lt= Width of external frame**: Dimension for the width of the external frame.
- Ht= Height of external frame**: Dimension for the height of the external frame.
- 1025**: Dimension for the height from the bottom to the handle.
- 1075**: Dimension for the total height from the bottom to the top of the frame.

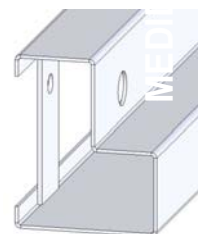


The diagram illustrates the relationship between the door frame and the door leaf. It shows a cross-section of the frame with a hinge on the left and a latch on the right. The door leaf is shown in two positions: closed (left) and open (right). The dimensions are defined as follows:

- L_t = Width of external frame
- L = Nominal width of the leaf
- L_p = Clear opening
- L_{fm} = Overall aperture

"B" TYPE FRAME DIMENSIONS

El2 30, single leaf



GENERAL DIMENSION TABLE

For these dimensions, a tolerance of $\pm 3\text{mm}$ is applicable.

Nominal leaf	Overall aperture Lfm x Hfm	Clear opening Lp x Hp	External frame Lt x Ht
L x H	(L+53) x (H+33)	(L-87) x (H-37)	(L+43) x (H+28)

STANDARD DIMENSIONS

Nominal leaf	Overall aperture Lfm x Hfm	Clear opening Lp x Hp	External frame Lt x Ht
800 x 2050	853 x 2083	713 x 2013	843 x 2078
890 x 2050	943 x 2083	803 x 2013	933 x 2078
990 x 2050	1043 x 2083	903 x 2013	1033 x 2078
1100 x 2050	1153 x 2083	1013 x 2013	1143 x 2078
1200 x 2050	1253 x 2083	1113 x 2013	1243 x 2078
1300 x 2050	1353 x 2083	1213 x 2013	1343 x 2078
800 x 2140	853 x 2173	713 x 2103	843 x 2168
890 x 2140	943 x 2173	803 x 2103	933 x 2168
990 x 2140	1043 x 2173	903 x 2103	1033 x 2168
1100 x 2140	1153 x 2173	1013 x 2103	1143 x 2168
1200 x 2140	1253 x 2173	1113 x 2103	1243 x 2168
1300 x 2140	1353 x 2173	1213 x 2103	1343 x 2168

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the overall aperture dimensions**:
To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

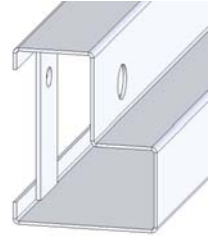
Overall aperture	External Frame Lt x Ht	Clear opening Lp x Hp	Nominal L x H
Lfm x Hfm	(Lfm-10) x (Hfm-5)	(Lfm-140) x (Hfm-70)	(Lfm-53) x (Hfm-33)

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the clear opening dimensions**:
To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

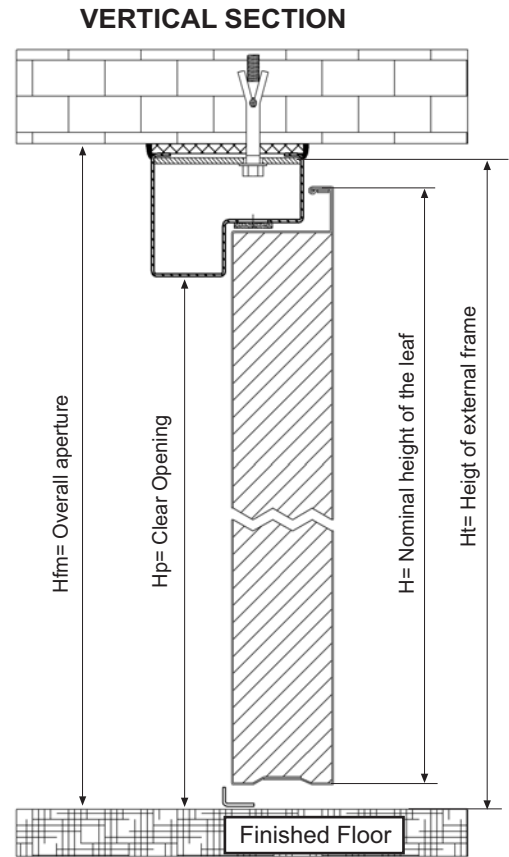
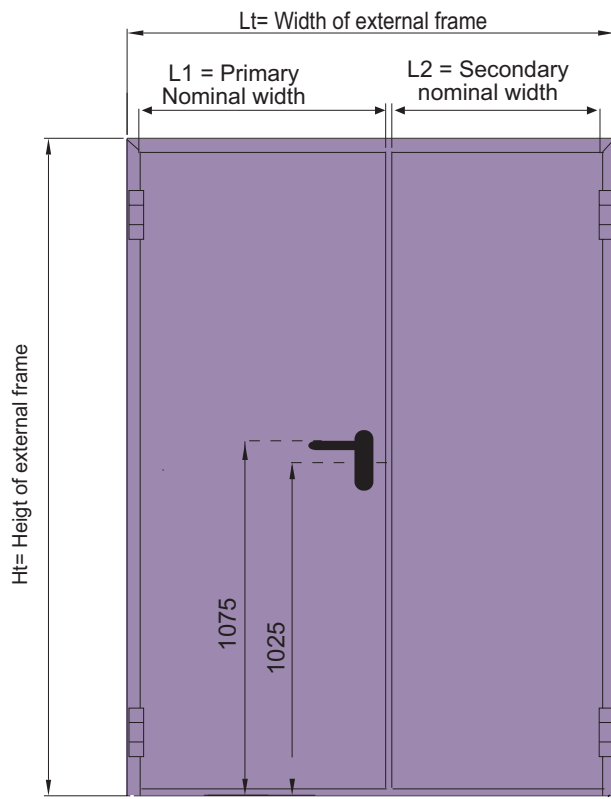
Clear opening	Overall aperture Lfm x Hfm	External Frame Lt x Ht	Nominal leaf L x H
Lp x Hp	(Lp+140) x (Hp+70)	(Lp+130) x (Hp+65)	(Lp+87) x (Hp+37)

"B" TYPE FRAME DIMENSIONS

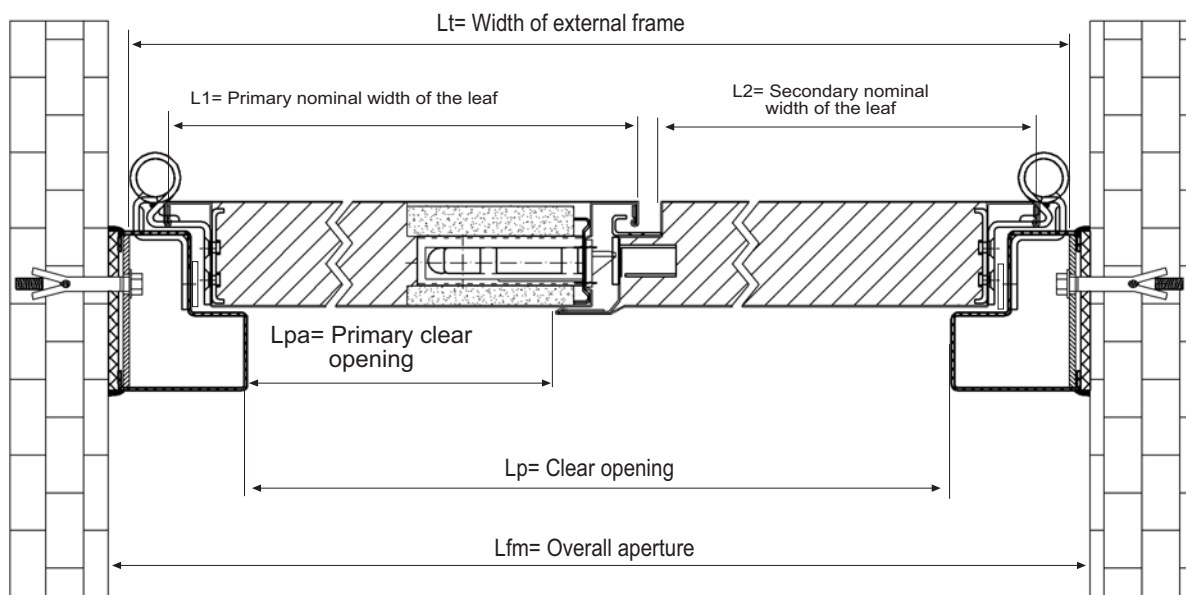
El2 30, double leaf

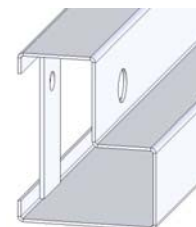


DIMENSIONS



HORIZONTAL SECTION OF A LEAF




"B" TYPE FRAME DIMENSIONS
El2 30, double leaf
GENERAL DIMENSION TABLE

For these dimensions, a tolerance of $\pm 3\text{mm}$ is applicable.

Nominal leaf	Overall aperture Lfm x Hfm	Primary clear opening Lpa	Clear opening Lp x Hp	External Frame Lt x Ht
$(L1 + L2) \times H$	$(L1 + L2 + 63) \times (H + 33)$	$L1 - 84$	$(L1 + L2 - 77) \times (H - 37)$	$(L1 + L2 + 53) \times (H + 28)$

STANDARD DIMENSIONS *for the case of double leaf El2 120; 10 mm shall be added

Nominal leaf	Overall aperture Lfm x Hfm	Primary clear opening Lpa	Clear opening Lp x Hp	External Frame Lt x Ht
600+590* (1190*) x 2050	1253* x 2060	516	1113* x 2013	1243* x 2078
800+400 (1200) x 2050	1263 x 2060	716	1123 x 2013	1253 x 2078
650+640* (1290*) x 2050	1353* x 2060	566	1213* x 2013	1343* x 2078
890+400 (1290) x 2050	1353 x 2060	806	1213 x 2013	1343 x 2078
700+690* (1390*) x 2050	1453* x 2060	616	1313* x 2013	1443* x 2078
990+400 (1390) x 2050	1453 x 2060	906	1313 x 2013	1443 x 2078
750+740* (1490*) x 2050	1553* x 2060	666	1413* x 2013	1543* x 2078
800+790* (1590*) x 2050	1653* x 2060	716	1513* x 2013	1643* x 2078
890+880* (1770*) x 2050	1833* x 2060	806	1693* x 2013	1823* x 2078
990+980* (1970*) x 2050	2033* x 2060	906	1893* x 2013	2023* x 2078
600+590* (1190*) x 2140	1253* x 2150	516	1113* x 2103	1243* x 2168
800+400 (1200) x 2140	1263 x 2150	716	1123* x 2103	1253* x 2168
650+640* (1290*) x 2140	1353* x 2150	566	1213* x 2103	1343* x 2168
890+400 (1290) x 2140	1353 x 2150	806	1213* x 2103	1343* x 2168
700+690* (1390*) x 2140	1453* x 2150	616	1313* x 2103	1443* x 2168
990+400 (1390) x 2140	1453 x 2150	906	1313* x 2103	1443* x 2168
750+740* (1490*) x 2140	1553* x 2150	666	1413* x 2103	1543* x 2168
800+790* (1590*) x 2140	1653* x 2150	806	1513* x 2103	1643* x 2168
890+880* (1770*) x 2140	1833* x 2150	906	1693* x 2103	1823* x 2168
990+980* (1970*) x 2140	2033* x 2150	906	1893* x 2103	2023* x 2168

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the overall aperture dimensions**:

To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

Overall aperture	External Frame Lt x Ht	Clear opening Lp x Hp	Nominal leaf (L1+L2) x H
Lfm x Hfm	$(Lfm - 10) \times (Hfm - 5)$	$(Lfm - 140) \times (Hfm - 70)$	$(Lfm - 63) \times (Hfm - 33)$

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the clear opening dimensions**:

To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

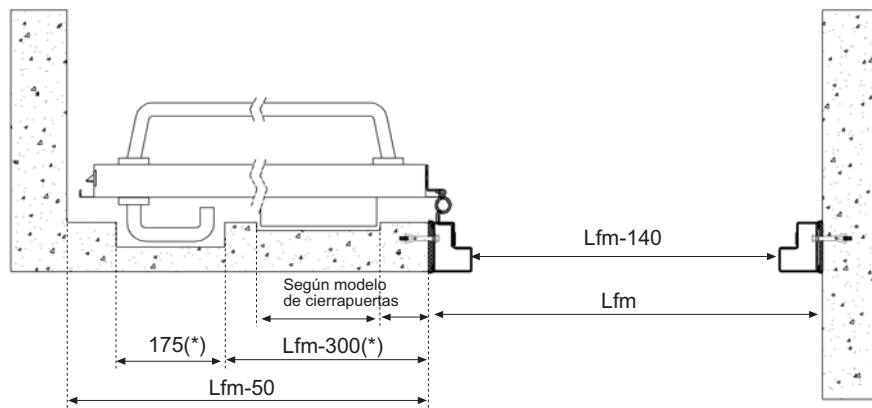
Overall aperture	Clear opening Lfm x Hfm	External Frame Lt x Ht	Nominal leaf (L1+L2) x H
Lp x Hp	$(Lp + 140) \times (Hp + 70)$	$(Lp + 130) \times (Hp + 65)$	$(Lp + 77) \times (Hp + 37)$

SINGLE LEAF APERTURE with B TYPE frame 180°, 120° and 90°

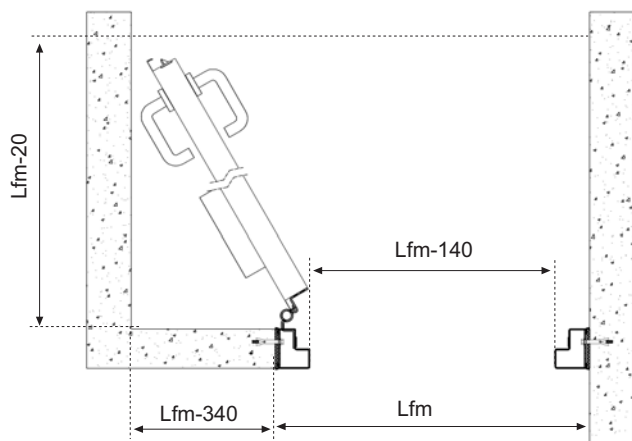


All the measures are approximated and are expressed in mm

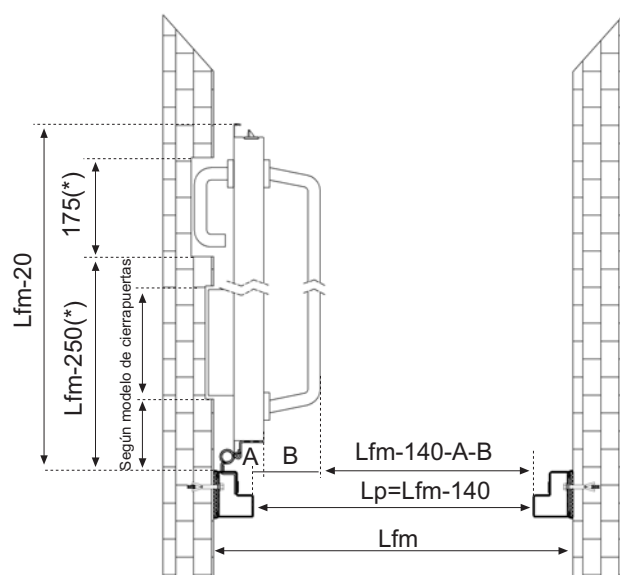
INSTALLATION FOR APERTURE UP TO 180° (It is necessary to be fitted into the wall)



INSTALLATION FOR MAXIMUM CLEAR OPENING - Aperture minimum of 120°



INSTALATION IN CORRIDOR - APERTURE UP TO 90°



A= 29 for EI20-120
A= 19 for EI2-60

B= differs depending on the handle or the installed bar (see accessories section).
(example B= 100 for panic bar SR Series
B= 70 for standard handle M0 and M1)

(*) Measures for PUERTAS PADILLA standard handle



Some handles and door closers can require the fitting into the wall. The installation ALWAYS has to be studied and approved by the Construction department

DOUBLE LEAF APERTURE

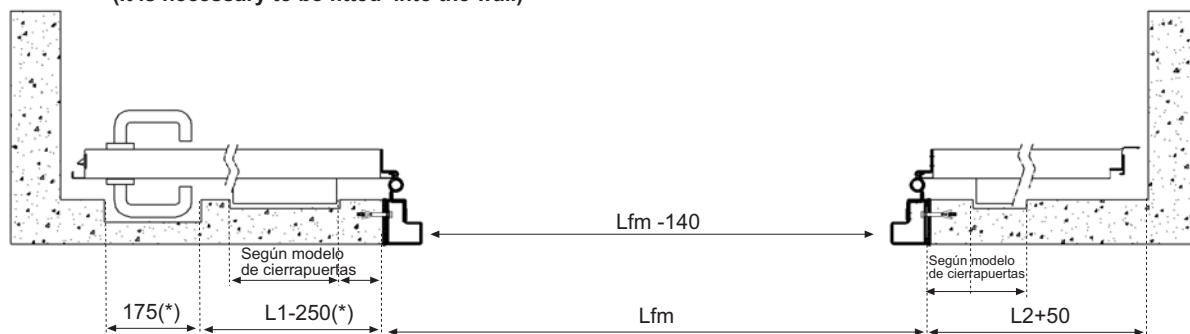
with B TYPE frames, 180°, 120° and 90°



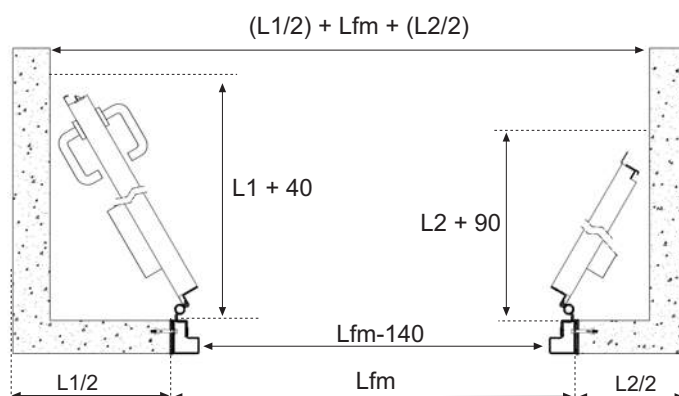
All the measures are approximated and are expressed in mm

INSTALLATION FOR APERTURE UP TO 180°

(It is necessary to be fitted into the wall)

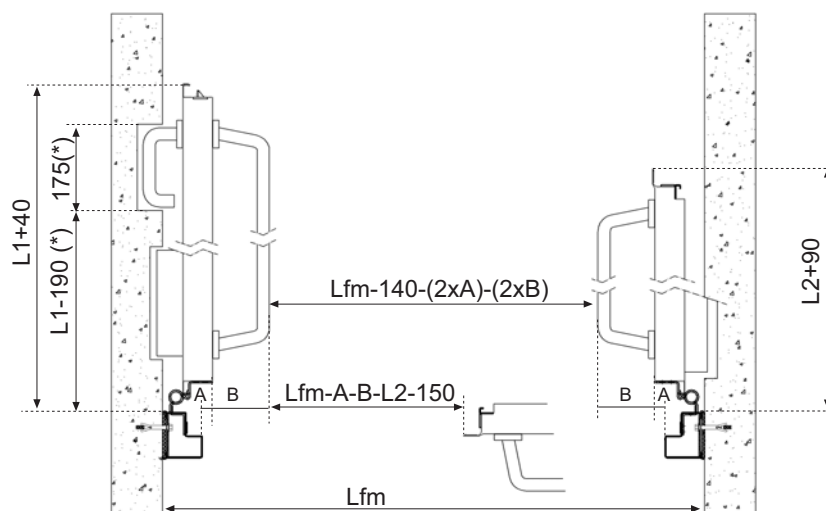


INSTALLATION FOR MAXIMUM CLEAR OPENING - Aperture minimum of 120°



If the door includes panic bar, maximum net clear opening cannot be obtained

INSTALLATION IN CORRIDOR - APERTURE UP TO 90°



A= 29 for EI20-120
A= 19 for EI2-60

B= differs depending on the handle or the installed bar (see accessories section).
(example B= 100 for panic bar SR Series
B= 70 for standard handle M0 and M1)

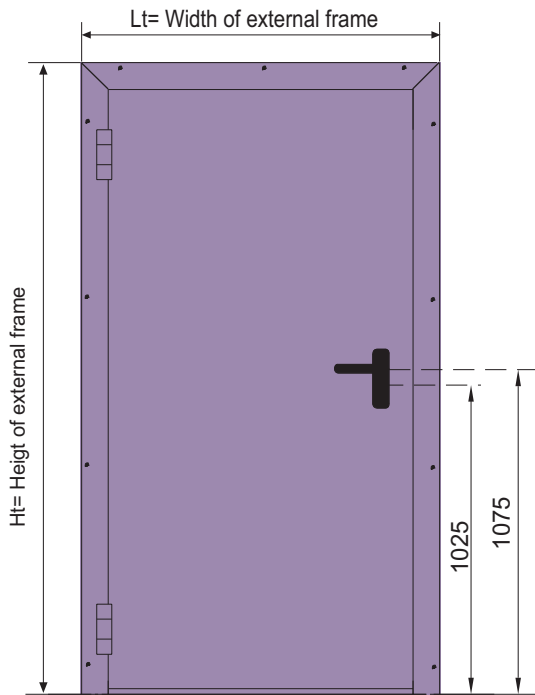
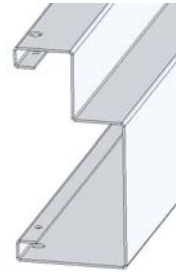
(*) Measures for PUERTAS PADILLA standard handle



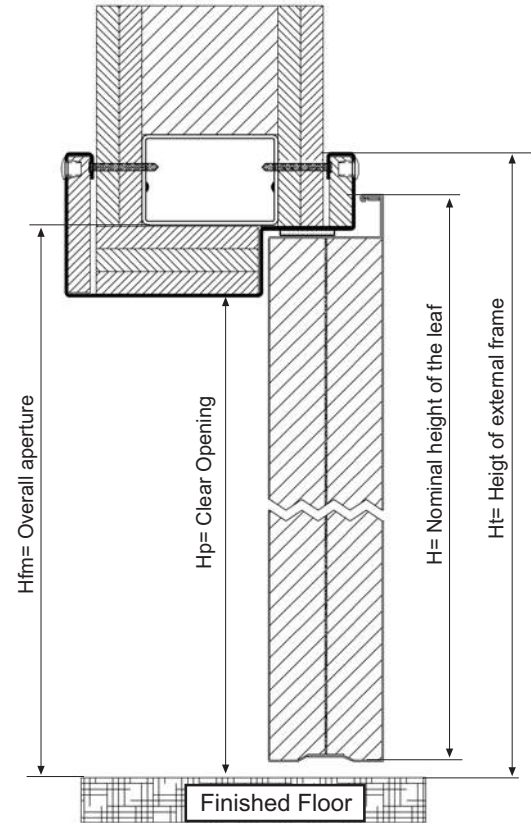
Some handles and door closers can require the fitting into the wall. The installation ALWAYS has to be studied and approved by the Construction department

"C" TYPE FRAME DIMENSIONS

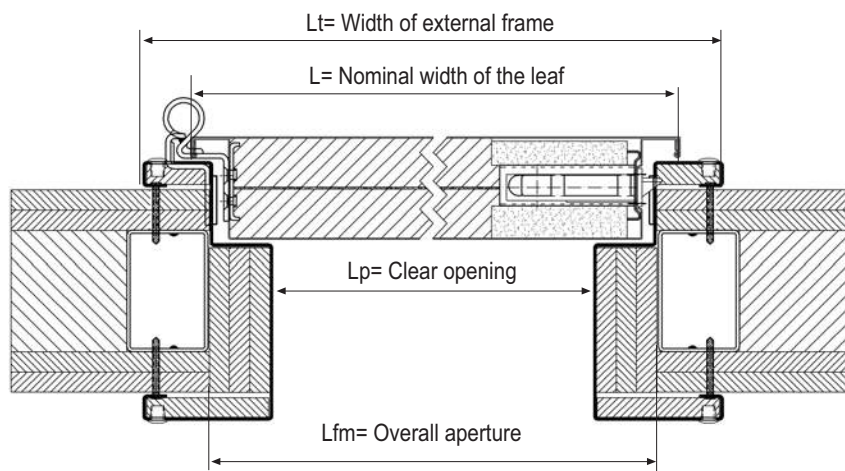
El2 120 Single leaf

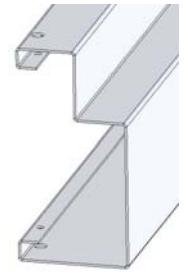


VERTICAL SECTION



HORIZONTAL SECTION OF A LEAF




"C" TYPE FRAME DIMENSIONS
El2 120 Single leaf
GENERAL DIMENSION TABLE

For these dimensions, a tolerance of $\pm 3\text{mm}$ is applicable.

Nominal leaf	Overall aperture Lfm x Hfm	Clear opening Lp x Hp	External frame Lt x Ht
L x H	(L-25) x (H-3)	(L-107) x (H-45)	(L+53) x (H+35)

STANDARD DIMENSIONS

Nominal leaf	Overall aperture Lfm x Hfm	Clear opening Lp x Hp	External frame Lt x Ht
800 x 2050	775 x 2047	693 x 2005	853 x 2085
890 x 2050	865 x 2047	783 x 2005	943 x 2085
990 x 2050	965 x 2047	883 x 2005	1043 x 2085
1100 x 2050	1075 x 2047	993 x 2005	1153 x 2085
1200 x 2050	1175 x 2047	1093 x 2005	1253 x 2085
1300 x 2050	1275 x 2047	1193 x 2005	1353 x 2085
800 x 2140	775 x 2137	693 x 2095	853 x 2175
890 x 2140	865 x 2137	783 x 2095	943 x 2175
990 x 2140	965 x 2137	883 x 2095	1043 x 2175
1100 x 2140	1075 x 2137	993 x 2095	1153 x 2175
1200 x 2140	1175 x 2137	1093 x 2095	1253 x 2175
1300 x 2140	1275 x 2137	1193 x 2095	1353 x 2175

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the overall aperture dimensions**:
To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

Overall aperture	External Frame Lt x Ht	Clear opening Lp x Hp	Nominal L x H
Lfm x Hfm	(Lfm+78) x (Hfm+38)	(Lfm-82) x (Hfm-42)	(Lfm+25) x (Hfm+3)

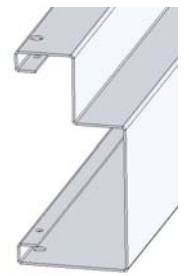
TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the clear opening dimensions**:
To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

Clear opening	Overall aperture Lfm x Hfm	External Frame Lt x Ht	Nominal leaf L x H
Lp x Hp	(Lp+82) x (Hp+42)	(Lp+160) x (Hp+80)	(Lp+107) x (Hp+45)

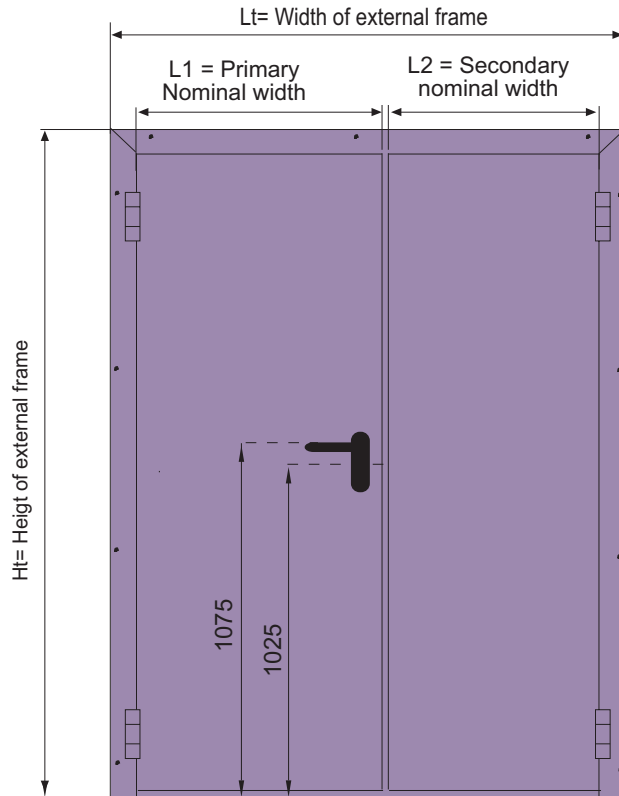


"C" TYPE FRAME DIMENSIONS

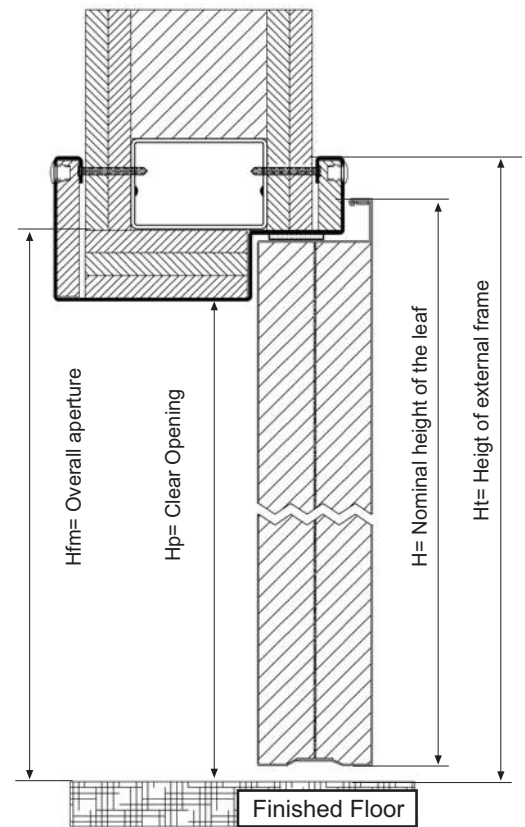
El2 120 Double leaf



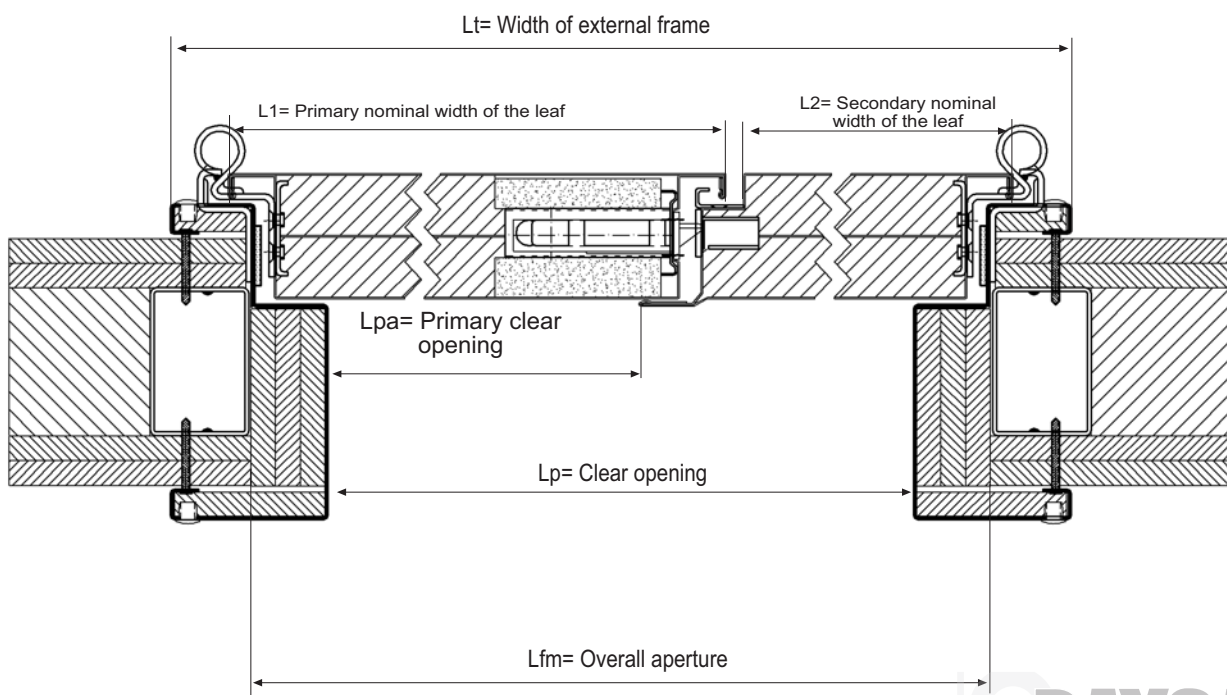
DIMENSIONS

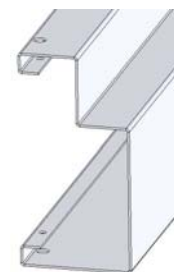


VERTICAL SECTION



HORIZONTAL SECTION OF A LEAF





"C" TYPE FRAME DIMENSIONS

El2 120 Double leaf

GENERAL DIMENSION TABLE

For these dimensions, a tolerance of $\pm 3\text{mm}$ is applicable.

Nominal leaf	Overall aperture Lfm x Hfm	Primary clear opening Lpa	Clear opening Lp x Hp	External Frame Lt x Ht
(L1+ L2) x H	(L1+L2-15) x (H-3)	L1 - 87	(L1+L2-95) x (H-45)	(L1+L2+65) x (H+35)

STANDARD DIMENSIONS

Nominal leaf	Overall aperture Lfm x Hfm	Primary clear opening Lpa	Clear opening Lp x Hp	External Frame Lt x Ht
600+600 (1200) x 2050	1185 x 2047	513	1105 x 2005	1265 x 2085
800+400 (1200) x 2050	1185 x 2047	713	1105 x 2005	1265 x 2085
650+650 (1300) x 2050	1285 x 2047	563	1205 x 2005	1365 x 2085
890+400 (1290) x 2050	1275 x 2047	803	1195 x 2005	1355 x 2085
700+700 (1400) x 2050	1385 x 2047	613	1305 x 2005	1465 x 2085
990+400 (1390) x 2050	1375 x 2047	903	1295 x 2005	1465 x 2085
750+750 (1500) x 2050	1485 x 2047	663	1405 x 2005	1565 x 2085
800+800 (1600) x 2050	1585 x 2047	713	1505 x 2005	1665 x 2085
890+890 (1780) x 2050	1765 x 2047	803	1685 x 2005	1845 x 2085
990+990 (1980) x 2050	1965 x 2047	903	1885 x 2005	2045 x 2085
600+600 (1200) x 2140	1185 x 2137	513	1105 x 2095	1265 x 2175
800+400 (1200) x 2140	1185 x 2137	713	1105 x 2095	1275 x 2175
650+650 (1300) x 2140	1285 x 2137	563	1205 x 2095	1375 x 2175
890+400 (1290) x 2140	1275 x 2137	803	1195 x 2095	1375 x 2175
700+700 (1400) x 2140	1385 x 2137	613	1305 x 2095	1475 x 2175
990+400 (1390) x 2140	1375 x 2137	903	1295 x 2095	1475 x 2175
750+750 (1500) x 2140	1485 x 2137	663	1405 x 2095	1575 x 2175
800+800 (1600) x 2140	1585 x 2137	803	1505 x 2095	1675 x 2175
890+890 (1780) x 2140	1765 x 2137	903	1685 x 2095	1875 x 2175
990+990 (1980) x 2140	1965 x 2137	903	1885 x 2095	2045 x 2175

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the overall aperture dimensions**:

To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

Overall aperture	External Frame Lt x Ht	Clear opening Lp x Hp	Nominal leaf (L1+L2) x H
Lfm x Hfm	(Lfm+80) x (Hfm+38)	(Lfm -80) x (Hfm-42)	(Lfm+15) x (Hfm+3)

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the clear opening dimensions**:

To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

Overall aperture	Clear opening Lfm x Hfm	External Frame Lt x Ht	Nominal leaf (L1+L2) x H
Lp x Hp	(Lp+80) x (Hp+42)	(Lp+160) x (Hp+80)	(Lp+95) x (Hp+45)



SINGLE LEAF APERTURE

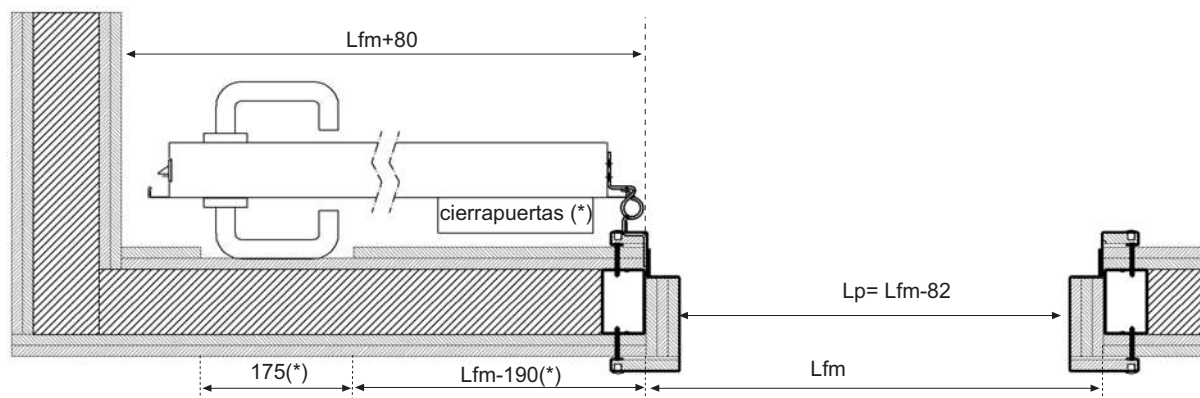
with C TYPE frames, 180°, 120° and 90°



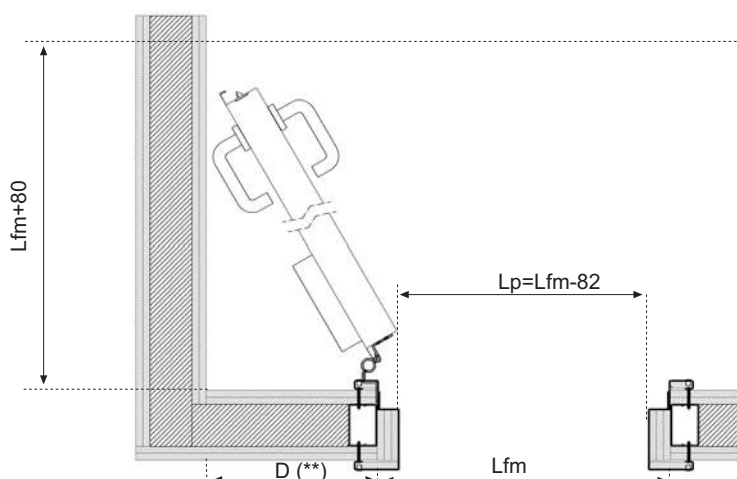
All the measures are approximated and are expressed in mm

INSTALLATION FOR APERTURE UP TO 180°

(It is necessary to be fitted into the wall)



INSTALLATION FOR MAXIMUM CLEAR OPENING - Aperture minimum of 120°



STANDARD DIMENSIONS

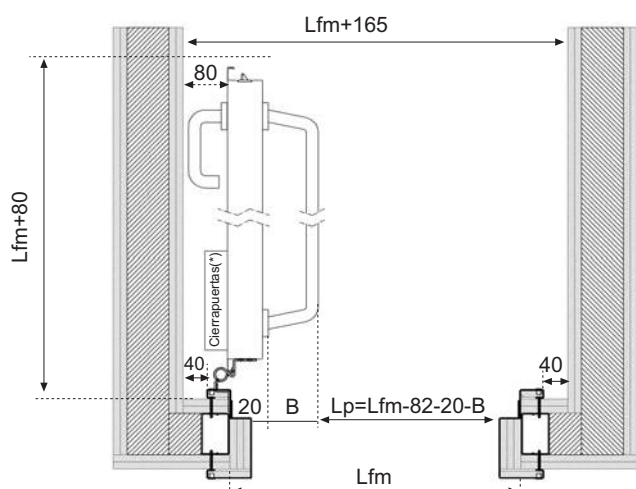
NOMINAL WIDTH	D
800	430
890	475
990	525
1100	580
1200	630
1300	680

L = Lfm+25



(**) Maximum distance of separation between the Overall aperture and the closest wall near to the Hinges.
If the door includes a panic bar, maximum clear opening will not be obtained

INSTALLATION IN CORRIDOR - APERTURE UP TO 90°



B= differs depending on the handle or the installed bar (see accessories section).
(example B= 100 for panic bar SR Series
B= 70 for standard handle M0 and M1)

(*) Measures for PUERTAS PADILLA standard handle



Some handles and door closers can require the fitting into the wall. The installation ALWAYS has to be studied and approved by the Construction department

DOUBLE LEAF

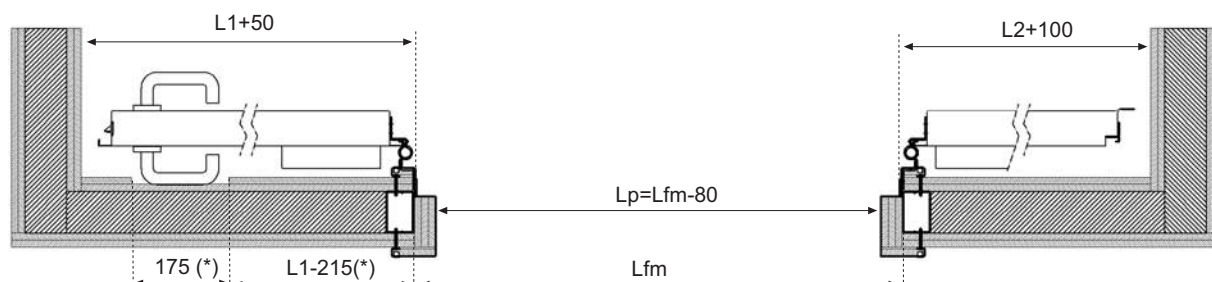
with C TYPE frames, 180°, 120° and 90°



All the measures are approximated and are expressed in mm

INSTALLATION FOR APERTURE UP TO 180°

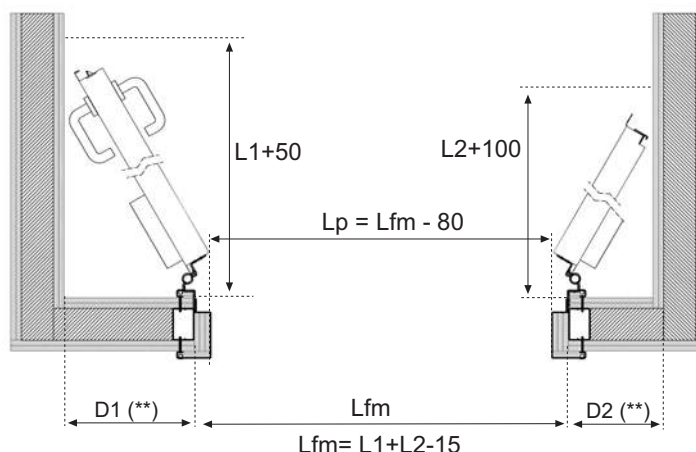
(It is necessary to be fitted into the wall)



INSTALLATION FOR MAXIMUM CLEAR OPENING - Aperture minimum of 120°

STANDARD DIMENSIONS

PRIMARY WIDTH, L1	D1
600	330
700	380
750	405
800	430
890	475
990	525



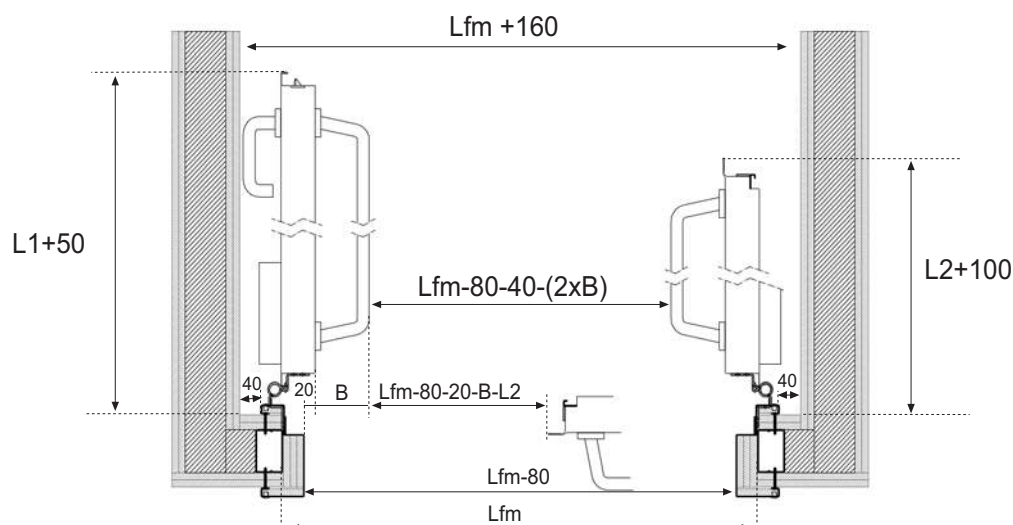
STANDARD DIMENSIONS

NOMINAL WIDTH	D
400	225
600	325
700	375
800	425
890	470
990	520



(**) Maximum distance of separation between the Overall aperture and the closest wall near to the Hinges.
If the door includes a panic bar, maximum clear opening will not be obtained

INSTALLATION IN CORRIDOR - APERTURE UP TO 90°



B= differs depending on the handle or the installed bar (see accessories section).
(example B= 100 for panic bar SR Series
B= 70 for standard handle M0 and M1)

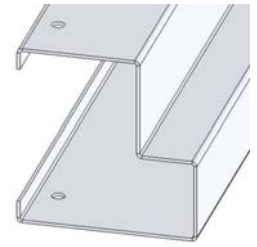
(*) Measures for PUERTAS PADILLA standard handle



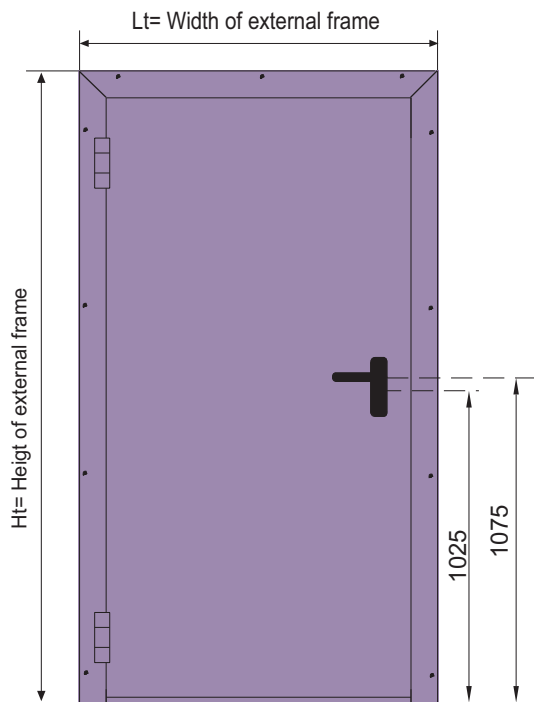
Some handles and door closers can require the fitting into the wall. The installation ALWAYS has to be studied and approved by the Construction department

"M" TYPE FRAME DIMENSIONS

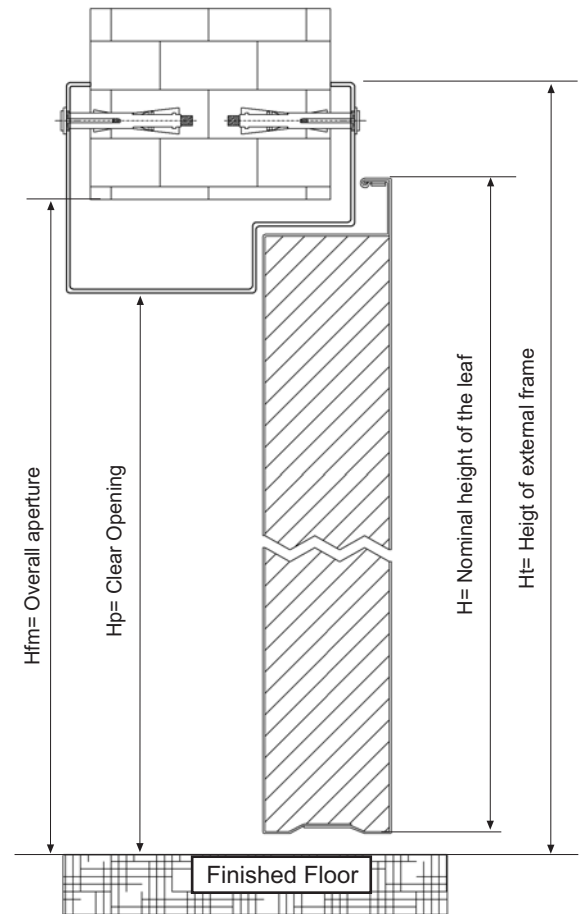
Multiuse, without fire resistant certification



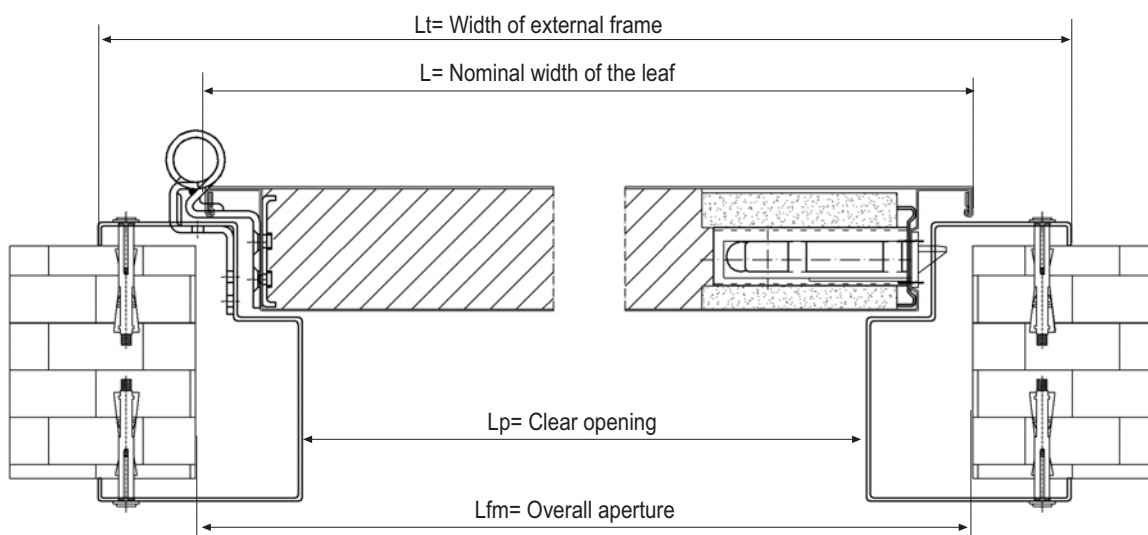
DIMENSIONS

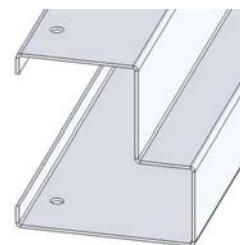


VERTICAL SECTION



HORIZONTAL SECTION OF A LEAF



"M" TYPE FRAME DIMENSIONS
SINGLE LEAF without certification

GENERAL DIMENSION TABLE

For these dimensions, a tolerance of $\pm 3\text{mm}$ is applicable.

Nominal leaf	Overall aperture Lfm x Hfm	Clear opening Lp x Hp	External frame Lt x Ht
L x H	L x H	(L-88) x (H-38)	(L+88) x (H+50)

STANDARD DIMENSIONS

Nominal leaf	Overall aperture Lfm x Hfm	Clear opening Lp x Hp	External frame Lt x Ht
800 x 2050	800 x 2050	712 x 2012	888 x 2100
890 x 2050	890 x 2050	802 x 2012	978 x 2100
990 x 2050	990 x 2050	902 x 2012	1078 x 2100
1100 x 2050	1100 x 2050	1012 x 2012	1188 x 2100
1200 x 2050	1200 x 2050	1112 x 2012	1288 x 2100
1300 x 2050	1300 x 2050	1212 x 2012	1388 x 2100
800 x 2140	800 x 2140	712 x 2102	888 x 2190
890 x 2140	890 x 2140	802 x 2102	978 x 2190
990 x 2140	990 x 2140	902 x 2102	1078 x 2190
1100 x 2140	1100 x 2140	1012 x 2102	1188 x 2190
1200 x 2140	1200 x 2140	1112 x 2102	1288 x 2190
1300 x 2140	1300 x 2140	1212 x 2102	1388 x 2190

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the overall aperture dimensions**:
To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

Overall aperture	External Frame Lt x Ht	Clear opening Lp x Hp	Nominal L x H
Lfm x Hfm	(Lfm+88) x (Hfm+50)	(Lfm-88) x (Hfm-38)	Lfm x Hfm

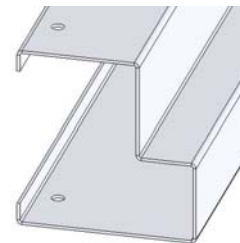
TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the clear opening dimensions**:
To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

Clear opening	Overall aperture Lfm x Hfm	External Frame Lt x Ht	Nominal leaf L x H
Lp x Hp	(Lp+88) x (Hp+38)	(Lp+176) x (Hp+88)	(Lp+88) x (Hp+38)



"M" TYPE FRAME DIMENSIONS

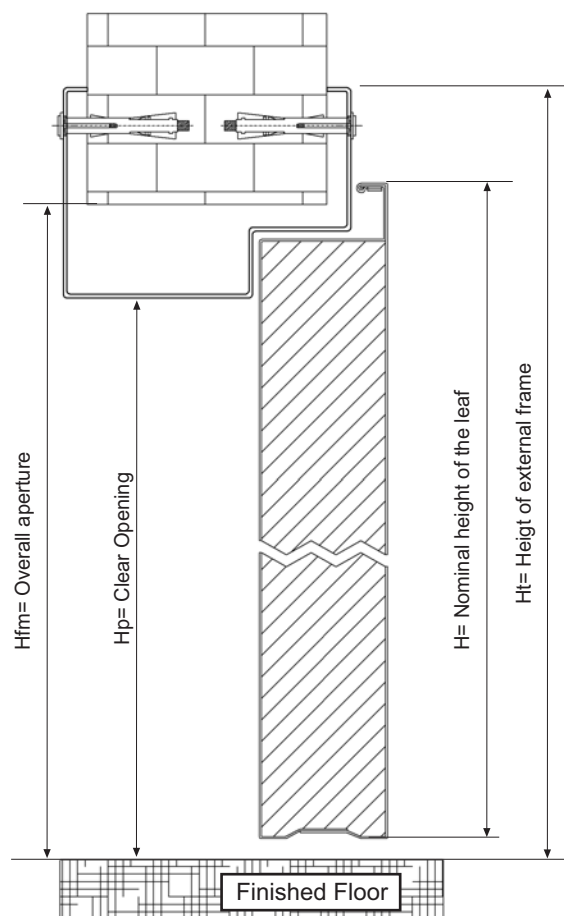
Multiuse, without fire resistant certification



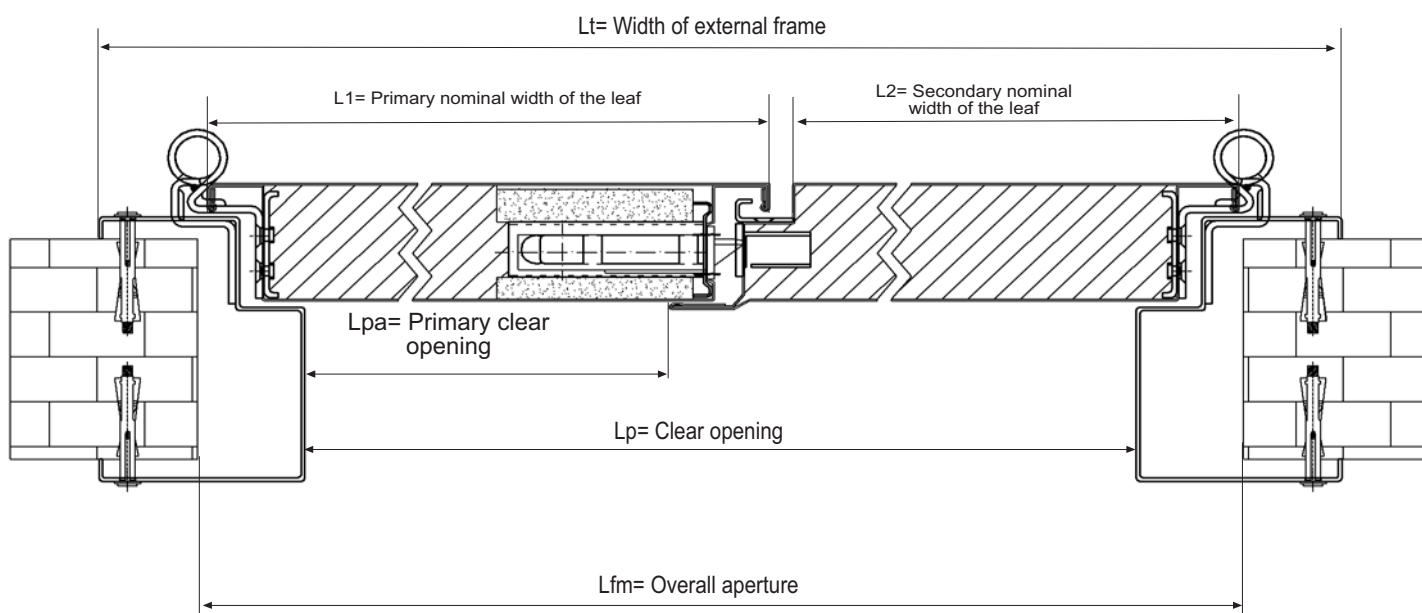
DIMENSIONS

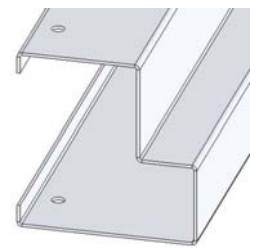


VERTICAL SECTION



HORIZONTAL SECTION OF A LEAF




"M" TYPE FRAME DIMENSIONS
DOUBLE LEAF without certification
GENERAL DIMENSION TABLE

For these dimensions, a tolerance of $\pm 3\text{mm}$ is applicable.

Nominal leaf	Overall aperture Lfm x Hfm	Primary clear opening Lpa	Clear opening Lp x Hp	External Frame Lt x Ht
(L1+ L2) x H	(L1+L2+10) x H	L1 - 87	(L1+L2-76) x (H-38)	(L1+L2+100) x (H+50)

STANDARD DIMENSIONS

Nominal leaf	Overall aperture Lfm x Hfm	Primary clear opening Lpa	Clear opening Lp x Hp	External Frame Lt x Ht
600+590 (1190) x 2050	1200 x 2050	513	1014* x 2012	1290* x 2100
800+400 (1200) x 2050	1210 x 2050	713	1124 x 2012	1300 x 2100
650+640 (1290) x 2050	1300 x 2050	563	1214* x 2012	1390* x 2100
890+400 (1290) x 2050	1300 x 2050	803	1214 x 2012	1390 x 2100
700+690 (1390) x 2050	1400 x 2050	613	1314* x 2012	1490* x 2100
990+400 (1390) x 2050	1400 x 2050	903	1314 x 2012	1490 x 2100
750+740 (1490) x 2050	1500 x 2050	663	1414* x 2012	1590* x 2100
800+790 (1590) x 2050	1600 x 2050	713	1514* x 2012	1690* x 2100
890+880 (1770) x 2050	1780 x 2050	803	1694* x 2012	1870* x 2100
990+980 (1970) x 2050	1980 x 2050	903	1894* x 2012	2070* x 2100
600+590 (1190) x 2140	1200 x 2150	513	1014* x 2112	1290* x 2190
800+400 (1200) x 2140	1210 x 2150	713	1124 x 2112	1300 x 2190
650+640 (1290) x 2140	1300 x 2150	563	1214* x 2112	1390* x 2190
890+400 (1290) x 2140	1300 x 2150	803	1214 x 2112	1390 x 2190
700+690 (1390) x 2140	1400 x 2150	613	1314* x 2112	1490* x 2190
990+400 (1390) x 2140	1400 x 2150	903	1314 x 2112	1490 x 2190
750+740 (1490) x 2140	1500 x 2150	663	1414* x 2112	1590* x 2190
800+790 (1590) x 2140	1600 x 2150	803	1514* x 2112	1690* x 2190
890+880 (1770) x 2140	1780 x 2150	903	1694* x 2112	1870* x 2190
990+980 (1970) x 2140	1980 x 2150	903	1794* x 2112	2070* x 2190

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the overall aperture dimensions**:

To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

Overall aperture	External Frame Lt x Ht	Clear opening Lp x Hp	Nominal leaf (L1+L2) x H
Lfm x Hfm	(Lfm+90) x (Hfm+50)	(Lfm -86) x (Hfm-38)	(Lfm-10) x H

TAKE THE NOMINAL DIMENSION OF THE LEAF, once **known the clear opening dimensions**:

To obtain different dimensions of the frame and nominal leaf, substitute the overall aperture (Lfm) and (Hfm) as follows:

Overall aperture	Clear opening Lfm x Hfm	External Frame Lt x Ht	Nominal leaf (L1+L2) x H
Lp x Hp	(Lp+86) x (Hp+38)	(Lp+176) x (Hp+88)	(Lp+76) x (Hp+38)

