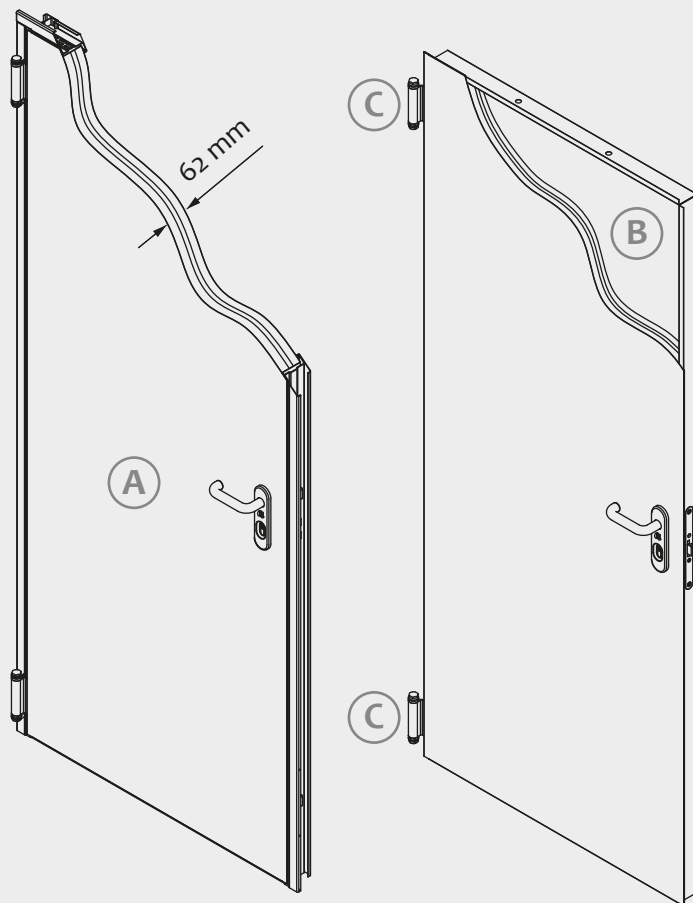


Technical Catalogue



Fire Doors

05	Delta
07	Turia
11	Turia Premium
14	Turia DH DSA
16	Fono-Turia
18	Sigma
22	Rodas
26	Volta
28	Fire meter doors
31	CoBo System
33	Fire Door Frames
35	Fire Door Sub-frame
38	Fire Door Grids
38	Anti-finger Finish
39	Packaging



Delta

1 Leaf Door

El₂ 60

STRUCTURE

Two 0.7mm thick sheets of galvanized steel with anti-finger protection assembled without welding (A).

Leaf thickness: 62mm.

Inner chamber: combination of fire and thermal insulation materials (B).

2 double galvanized steel blade hinges with CE marking (C).

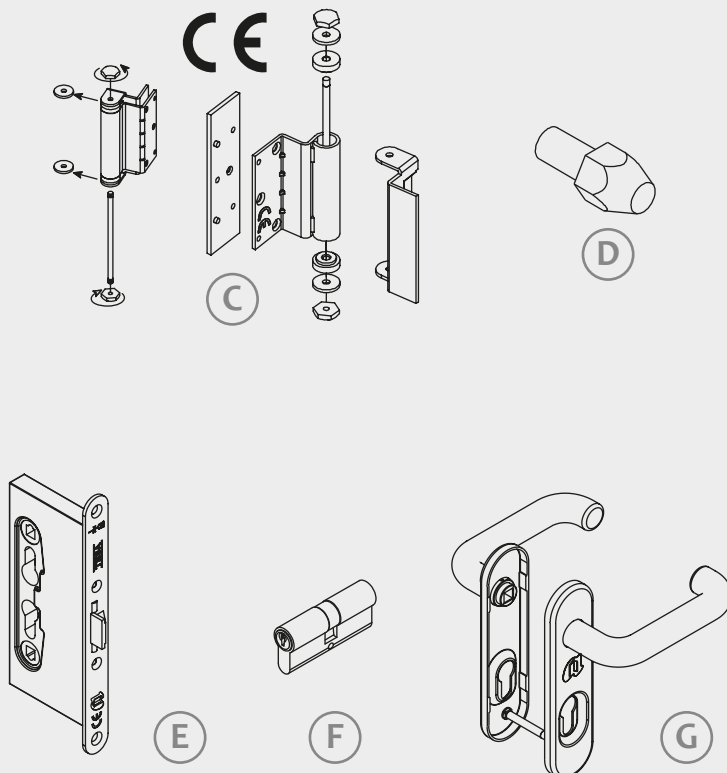
An anti-crowbar bolt (D).

FRAME

CS5 corner frame

Optionally:

- Rubber seal
- Intumescent seal



LOCKING AND DRIVING SYSTEM

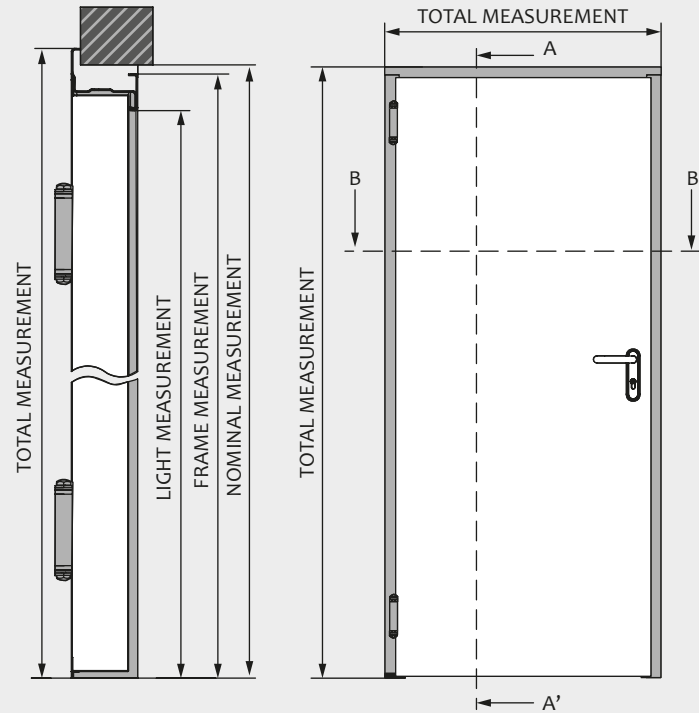
Reversible lock with CE marking with galvanized steel case and zinc-coated front, embedded in the leaf, with a 1-point lock (E).

Brass cylinder 35x35 (F).

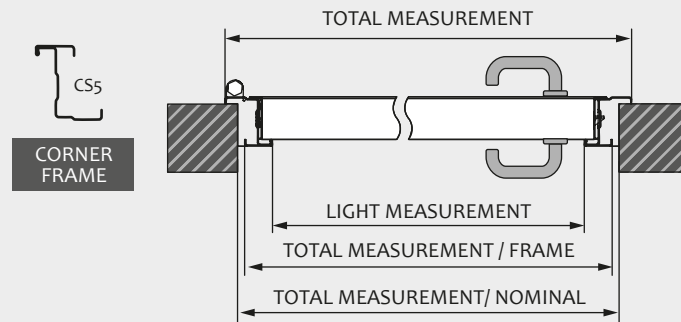
Set shield + handle with black nylon escutcheon (G).

MEASUREMENTS ONE LEAF

SECTION A-A'

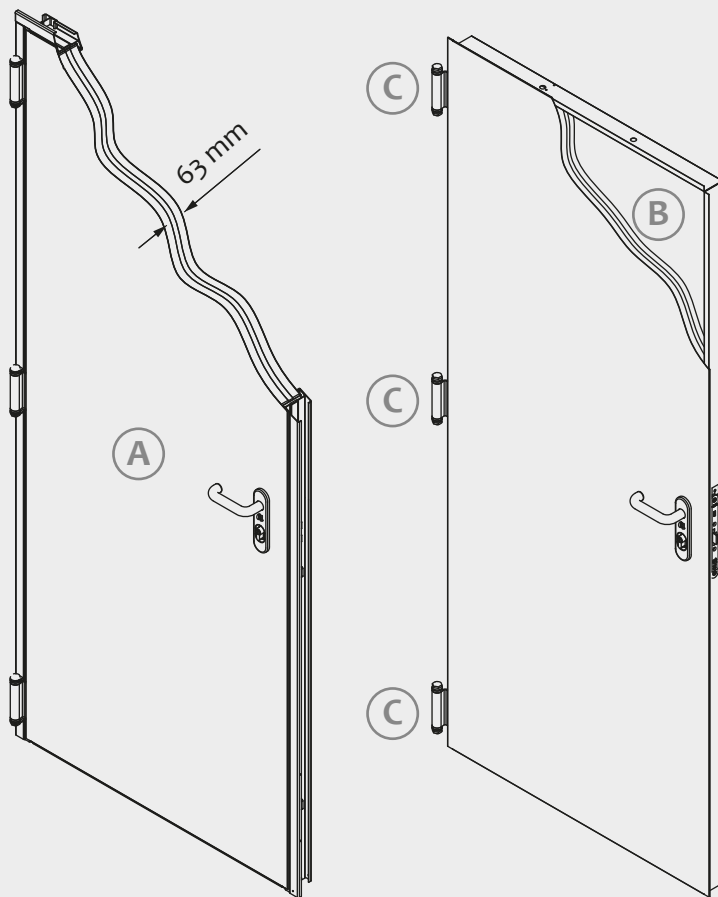


SECTION B-B'



Model		Nominal Measurement		Light Measurement		Frame Measurement		Total Measurement	
CS5 frame		Width	Height	Width	Height	Width	Height	Width	Height
DE 800 x	2050	800	2050	700	2000	780	2040	836	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DE 900 x	2050	900	2050	800	2000	880	2040	936	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DE 1000 x	2050	1000	2050	900	2000	980	2040	1036	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DE 1100 x	2050	1100	2050	1000	2000	1080	2040	1136	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DE 1200 x	2050	1200	2050	1100	2000	1180	2040	1236	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168

Standard measurements in millimeters



Turia

1 and 2 Leaf Door

El₂ 30-60-90-120

STRUCTURE

Two 0.8mm thick sheets of galvanized steel with anti-finger protection assembled without welding (A).

Sheet thickness: 63mm.

Inner chamber: combination of fire and thermal insulation materials (B).

Turia El₂ 120 has a 10mm double case that gives the sheet an overall thickness of 74mm.

3 (4 at least in the case of resistance 120) double galvanized steel blade hinges with CE marking (C).

FRAME

CS5 corner frame.

Incorporates intumescent seal.

Optionally: Rubber seal.

LOCKING AND DRIVING SYSTEM

Reversible lock with CE marking with galvanized steel case and zinc-coated front, embedded in the leaf with a 1-point lock (D) and optionally on 3-points (it is approved in 1 and 2 leaves in 30, 60 and 90) (E).

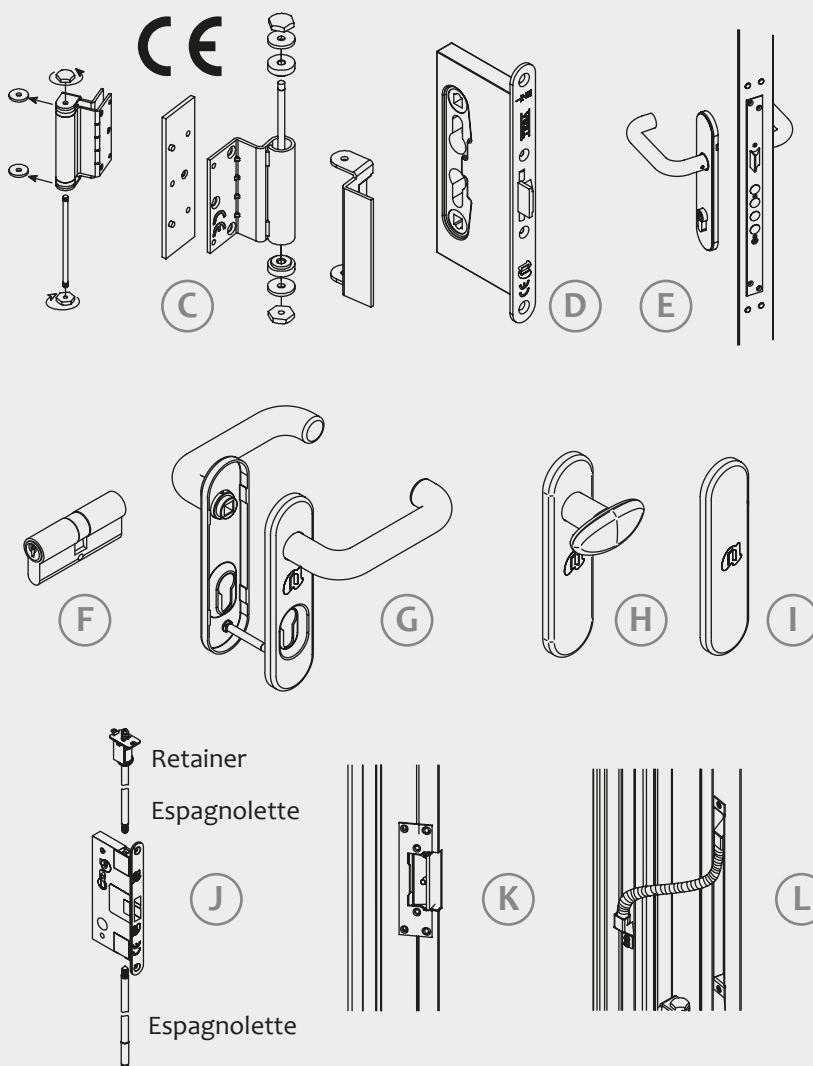
Brass cylinder 35x35 and Brass cylinder 35x45 in Turia El₂ 120 (F).

Set shield + handle with black nylon escutcheon (G).

In the double-leaf model: In the active leaf, both sides, set shield + handle with escutcheon (G). In the inactive leaf side: box shield + knob without escutcheon (H) and in blind plate lid. (I). The double leaf incorporates a counter lock self-closing mechanism in an inactive leaf (J).

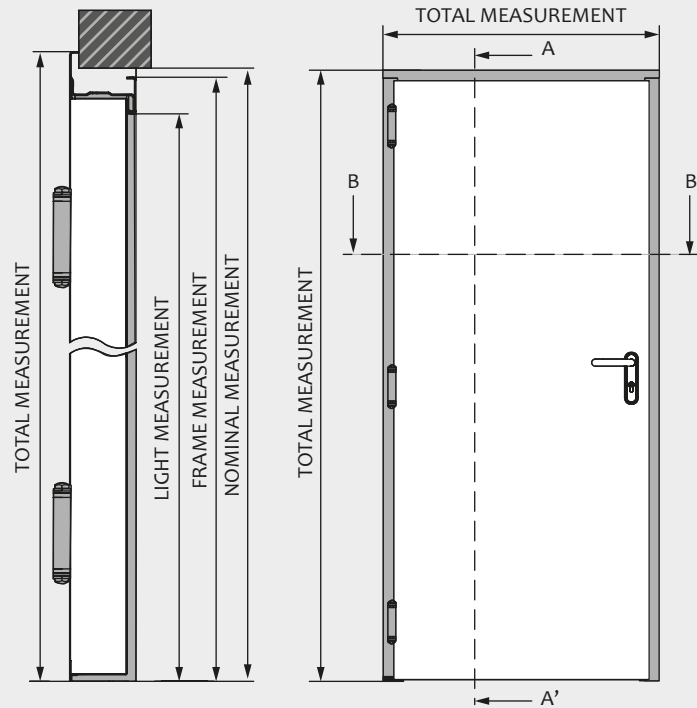
Optionally:

- Approved electric lock release with a resistance of 30, 60 and 90 (K) with power cable (L).

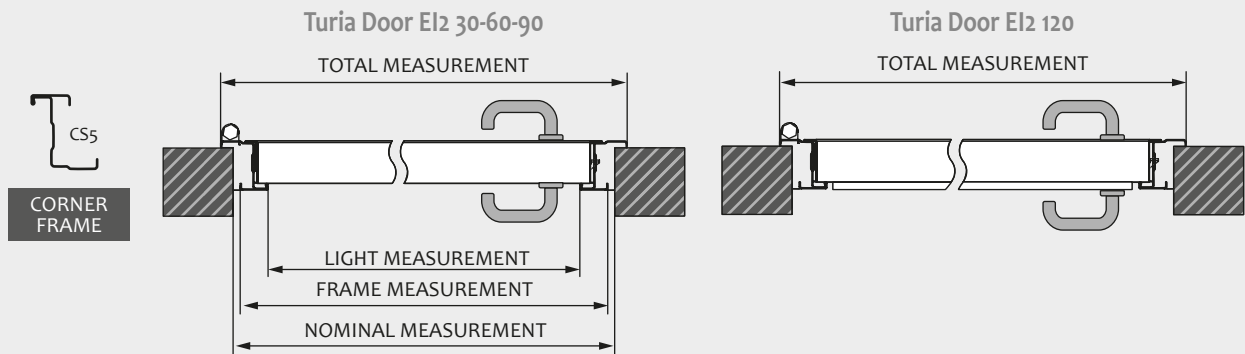


MEASUREMENTS ONE LEAF

SECTION A-A'



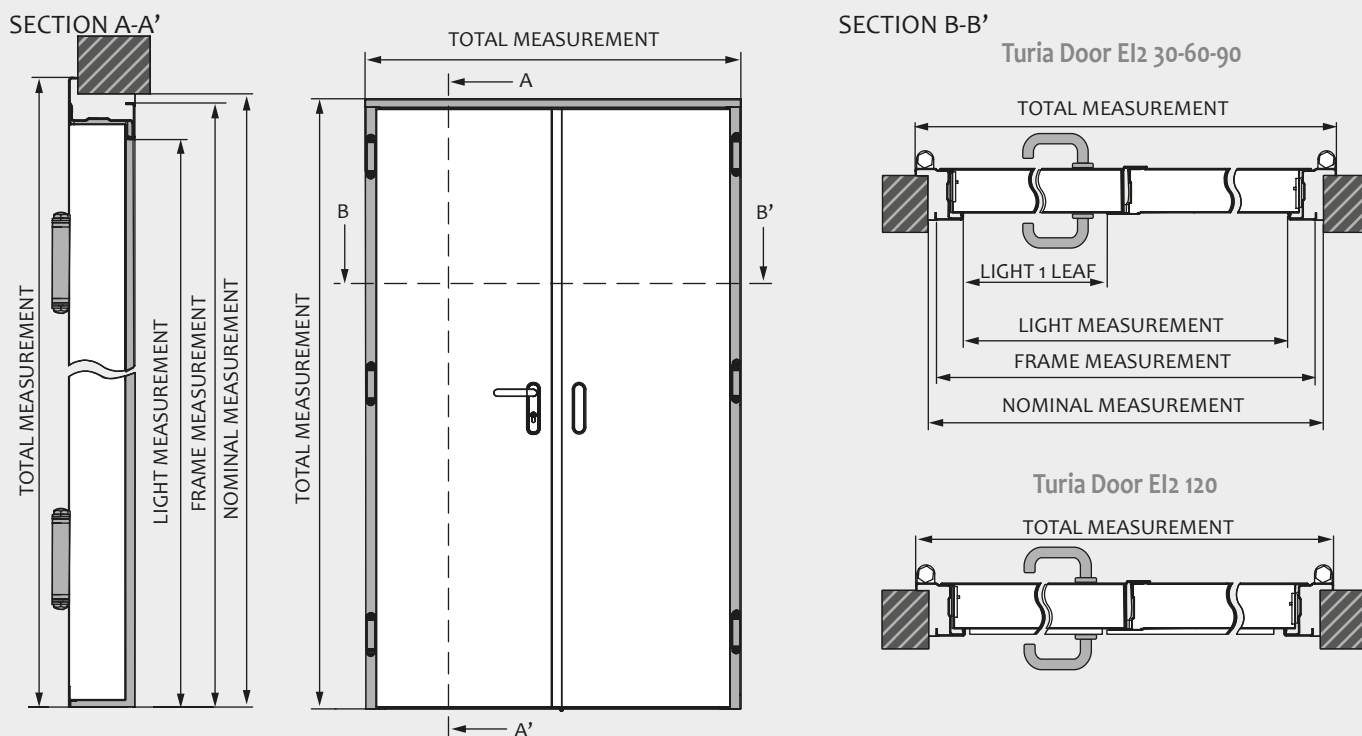
SECTION B-B'



Model		Nominal Measurement		Light Measurement		Frame Measurement		Total Measurement	
CS5 frame		Width	Height	Width	Height	Width	Height	Width	Height
TU 800 x	2050	800	2050	700	2000	780	2040	836	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
TU 900 x	2050	900	2050	800	2000	880	2040	936	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
TU 1000 x	2050	1000	2050	900	2000	980	2040	1036	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
TU 1100 x	2050	1100	2050	1000	2000	1080	2040	1136	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
TU 1200 x	2050	1200	2050	1100	2000	1180	2040	1236	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168

Standard measurements in millimeters. Possibility of other measurements on request.

MEASUREMENTS DOUBLE LEAF



Model		Nominal Measurement		Light Measurement		Frame Measurement		Total Measurement	
CS5 frame		Width	Height	Width	Height	Width	Height	Width	Height
DHTU 1200 x	2050	1200	2050	1100	2000	1180	2040	1236	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHTU 1300 x	2050	1300	2050	1200	2000	1280	2040	1336	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHTU 1400 x	2050	1400	2050	1300	2000	1380	2040	1436	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHTU 1500 x	2050	1500	2050	1400	2000	1480	2040	1536	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHTU 1600 x	2050	1600	2050	1500	2000	1580	2040	1636	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHTU 1700 x	2050	1700	2050	1600	2000	1680	2040	1736	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHTU 1800 x	2050	1800	2050	1700	2000	1780	2040	1836	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHTU 1900 x	2050	1900	2050	1800	2000	1880	2040	1936	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHTU 2000 x	2050	2000	2050	1900	2000	1980	2040	2036	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHTU 2100 x	2050	2100	2050	2000	2000	2080	2040	2136	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHTU 2200 x	2050	2200	2050	2100	2000	2180	2040	2236	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168

Standard measurements in millimeters. Possibility of other measurements on request.

FIXED WITHOUT INTERMEDIATE FRAME

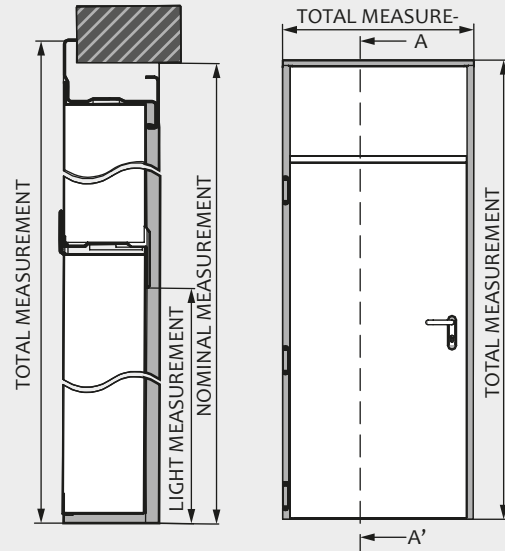
FIXED

A special solution that Andreu offers to adapt doors to the spaces required in the works, ideal for especially large holes or as an aesthetic complement. They can be glazed or of sheet metal.

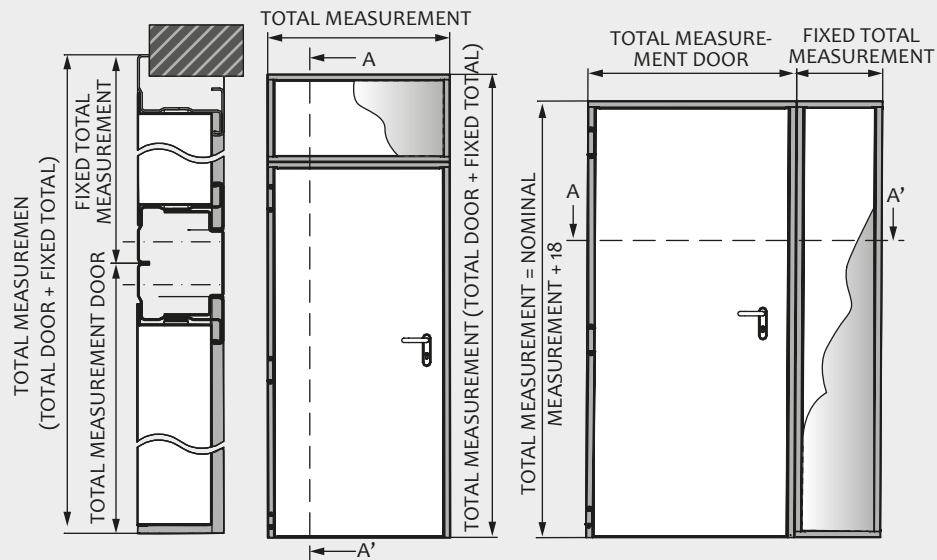
It has the same structure as the door and a resistance classification of EI₂ 60.

Manufacturing options:

- Fixed side.
- Fixed top with or without intermediate frame.

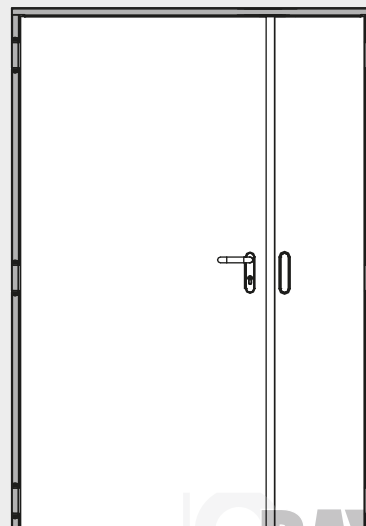


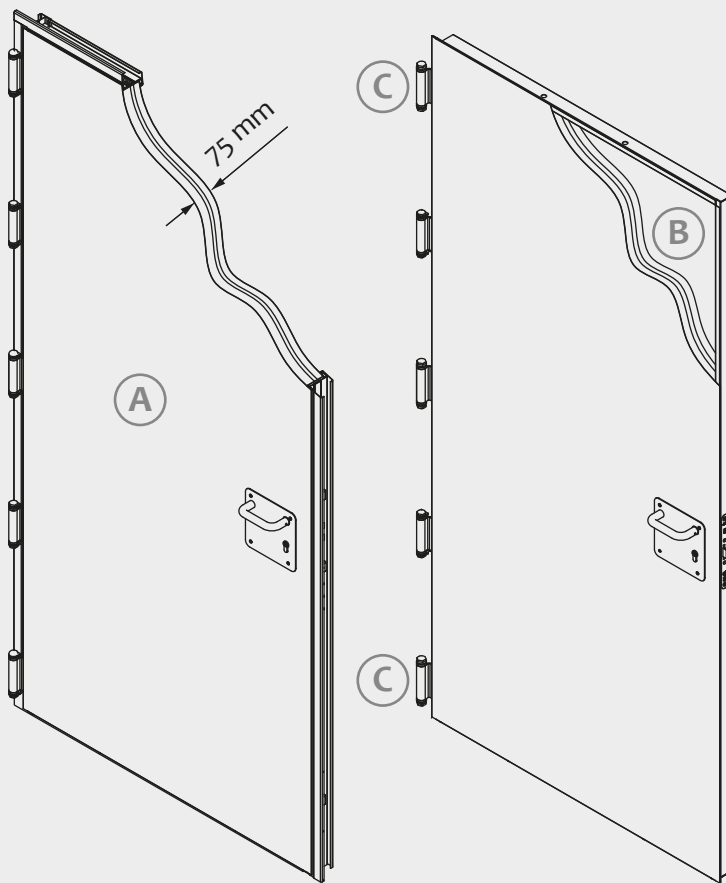
FIXED WITH INTERMEDIATE FRAME



ASYMMETRIC DOUBLE SHEET

This is a version of the Turia Double Leaf door with the same configuration except for the asymmetry in the sizes between the active and inactive leaf.





Turia Premium

1 and 2 Leaf Door

El₂ 60-120

STRUCTURE

Three 1mm sheets of galvanized steel with epoxy paint, assembled without welding (A).

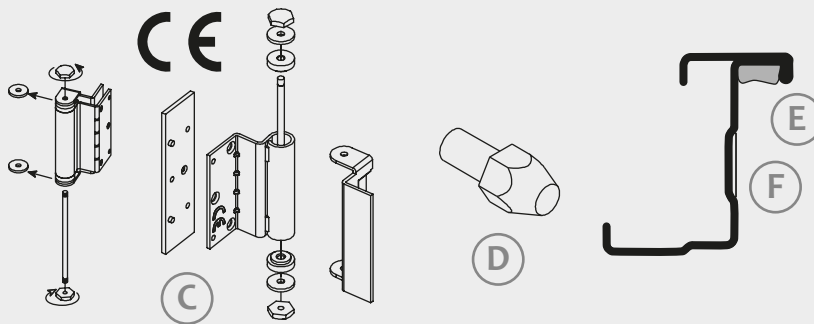
Leaf thickness: 75mm.

It has a 10mm double case that gives it this thickness.

Inner chamber: combination of fire and thermal insulation materials (B).

Five hinges of double galvanized steel blade with CE marking (C).

Optionally 4 anti-crow bar bolts (D).



FRAME

CS5 corner frame.

Incorporates:

- Rubber seal (E).
- Intumescent seal (F).

LOCKING AND DRIVING SYSTEM

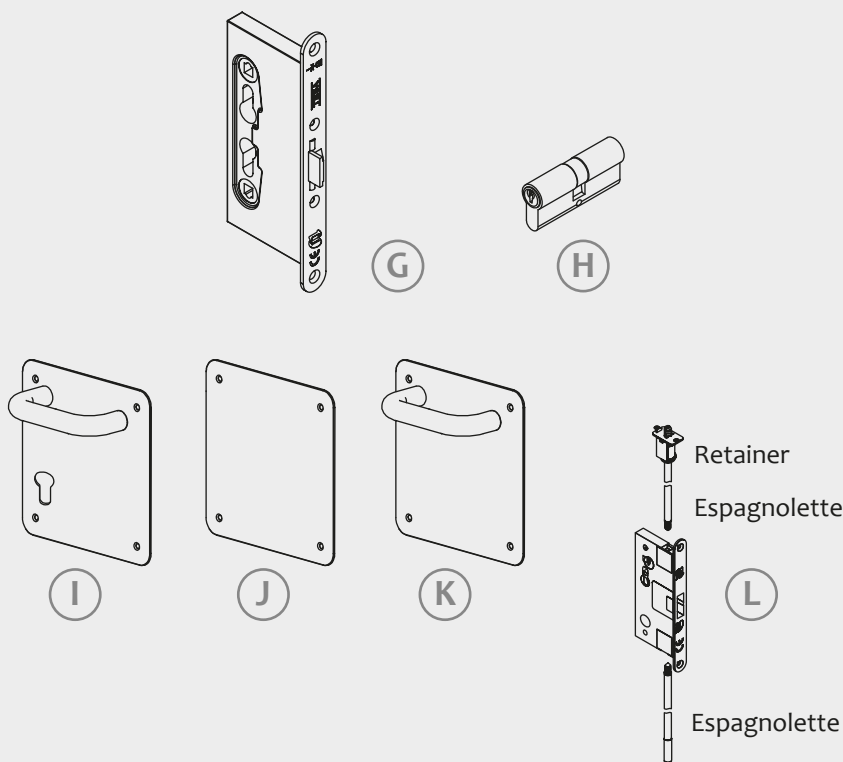
CE marking reversible lock with stainless steel case, embedded in the leaf, with a one-point lock (G).

Nickel cylinder 35x45 (H).

Square steel plate set + handle with escutcheon (I).

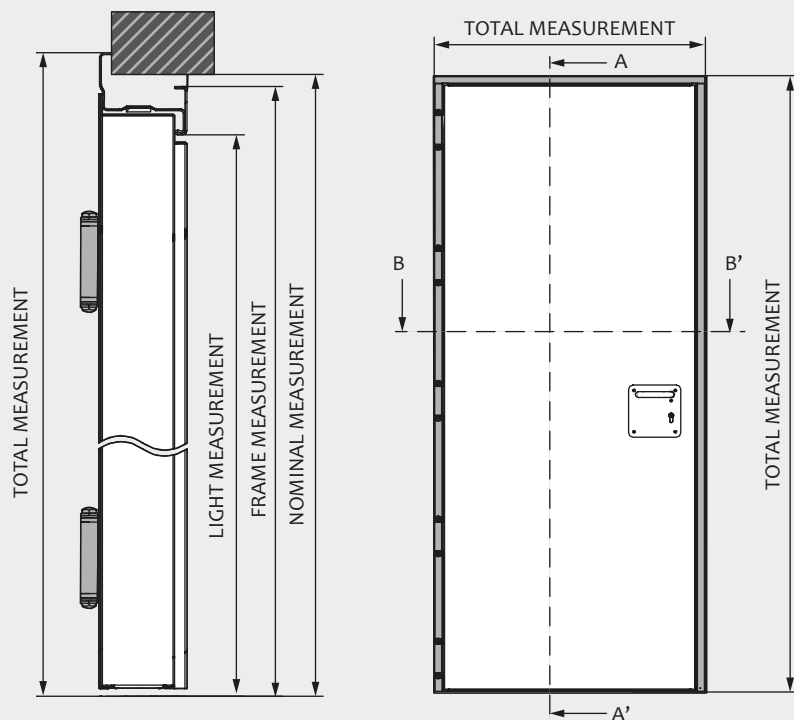
In the double leaf model: In the active leaf, both sides, square steel plate set + handle with escutcheon (I). In the inactive leaf, side stainless steel blind square plate (J) and on the side box square plate + handle without escutcheon (K).

The double leaf incorporates a self-closing mechanism safety lock with stainless steel façade in the inactive leaf (L).

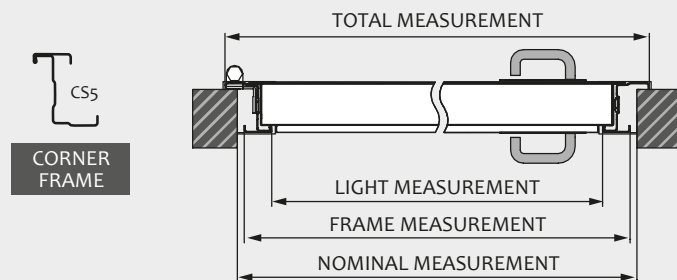


MEASUREMENTS ONE LEAF

SECTION A-A'



SECTION B-B'

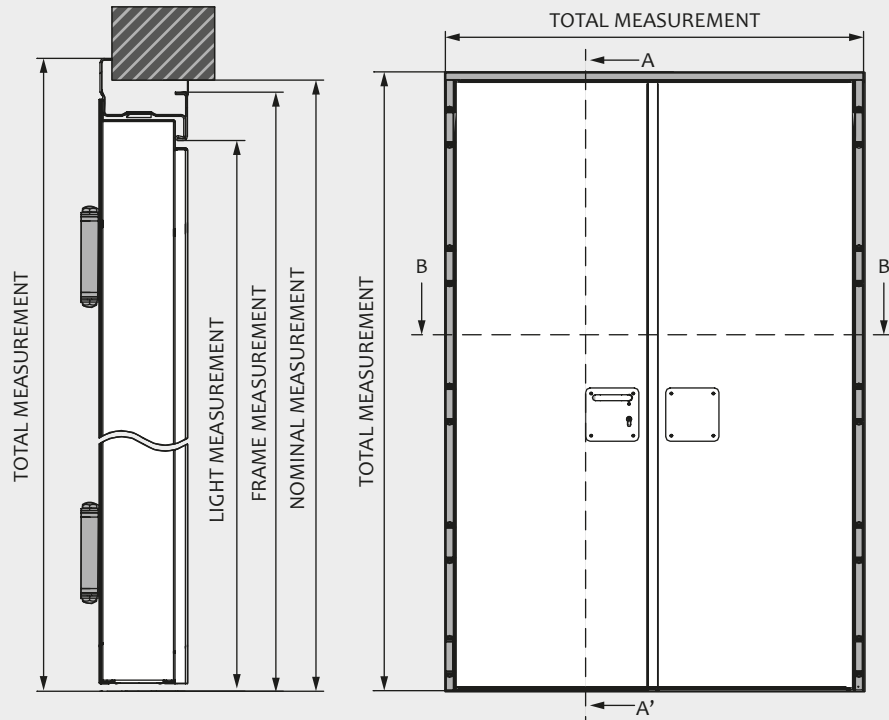


Model	Nominal Measurement		Light Measurement		Frame Measurement		Total Measurement	
	Width	Height	Width	Height	Width	Height	Width	Height
CS5 frame								
TUP 800 x 2150	800	2150	700	2100	780	2140	836	2168
TUP 900 x 2150	900	2150	800	2100	880	2140	936	2168
TUP 1000 x 2150	1000	2150	900	2100	980	2140	1036	2168
TUP 1100 x 2150	1100	2150	1000	2100	1080	2140	1136	2168
TUP 1200 x 2150	1200	2150	1100	2100	1180	2140	1236	2168

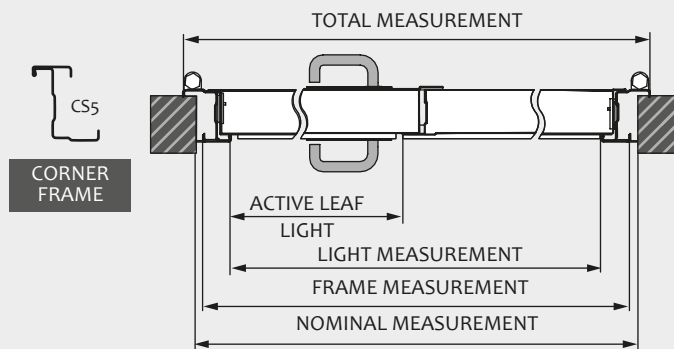
Standard measurements in millimeters. Possibility of other measurements on request.

MEASUREMENTS DOUBLE LEAF

SECTION A-A'



SECTION B-B'



Model	Nominal Measurement		Light Measurement		Frame Measurement		Total Measurement	
	Width	Height	Width	Height	Width	Height	Width	Height
CS5 frame								
DHTUP 1200 x 2150	1200	2150	1100	2100	1180	2140	1236	2168
DHTUP 1300 x 2150	1300	2150	1200	2100	1280	2140	1336	2168
DHTUP 1400 x 2150	1400	2150	1300	2100	1380	2140	1436	2168
DHTUP 1500 x 2150	1500	2150	1400	2100	1480	2140	1536	2168
DHTUP 1600 x 2150	1600	2150	1500	2100	1580	2140	1636	2168
DHTUP 1700 x 2150	1700	2150	1600	2100	1680	2140	1736	2168
DHTUP 1800 x 2150	1800	2150	1700	2100	1780	2140	1836	2168
DHTUP 1900 x 2150	1900	2150	1800	2100	1880	2140	1936	2168
DHTUP 2000 x 2150	2000	2150	1900	2100	1980	2140	2036	2168
DHTUP 2100 x 2150	2100	2150	2000	2100	2080	2140	2136	2168
DHTUP 2200 x 2150	2200	2150	2100	2100	2180	2140	2236	2168

Standard measurements in millimeters. Possibility of other measurements on request.

Turia DH DSA

2 Leaf Door

El₂ 60

STRUCTURE

Two 0.8mm sheets of galvanized steel with anti-finger protection, assembled without welding (A).

Leaf thickness: 63mm.

Inner chamber: combination of fire and thermal insulation materials (B).

3 hinges of their own design of galvanized steel with CE marking (C).

FRAME

C7DS Frame: combination of the CS5 corner frame + an outer profile (D).

Incorporates intumescent seal attached to the frame in its entire perimeter (E).

LOCKING AND DRIVING SYSTEM

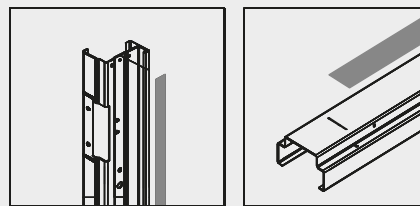
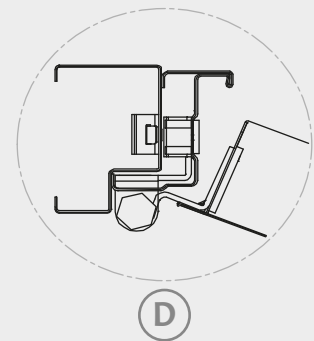
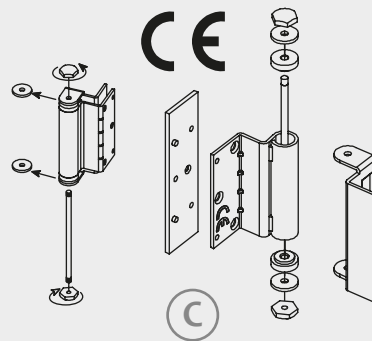
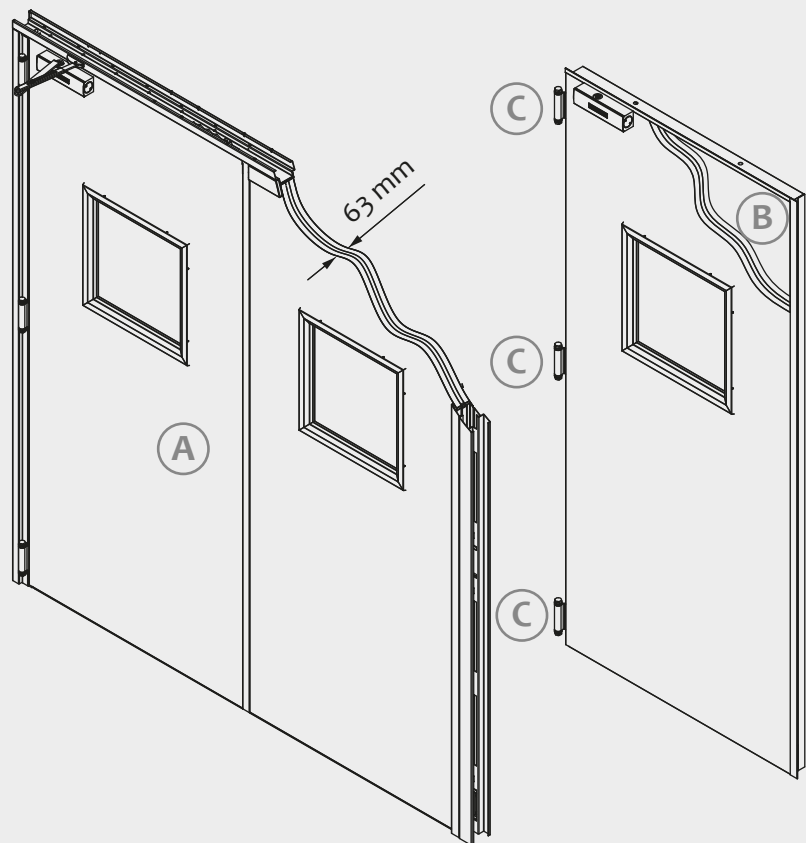
It does not need a lever handle, lock or closing selector.

Optionally: square steel plate (F).

Each of the leaves open in the direction of the escape route (G).

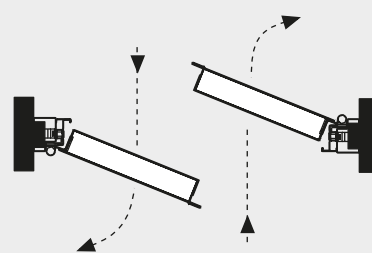
Mandatory installation of door closers on each leaf (CTE).

Optionally: electromagnets and / or peep holes.

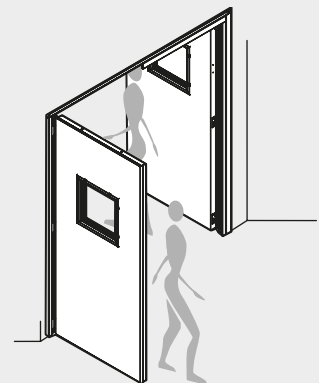


(E)

(F)

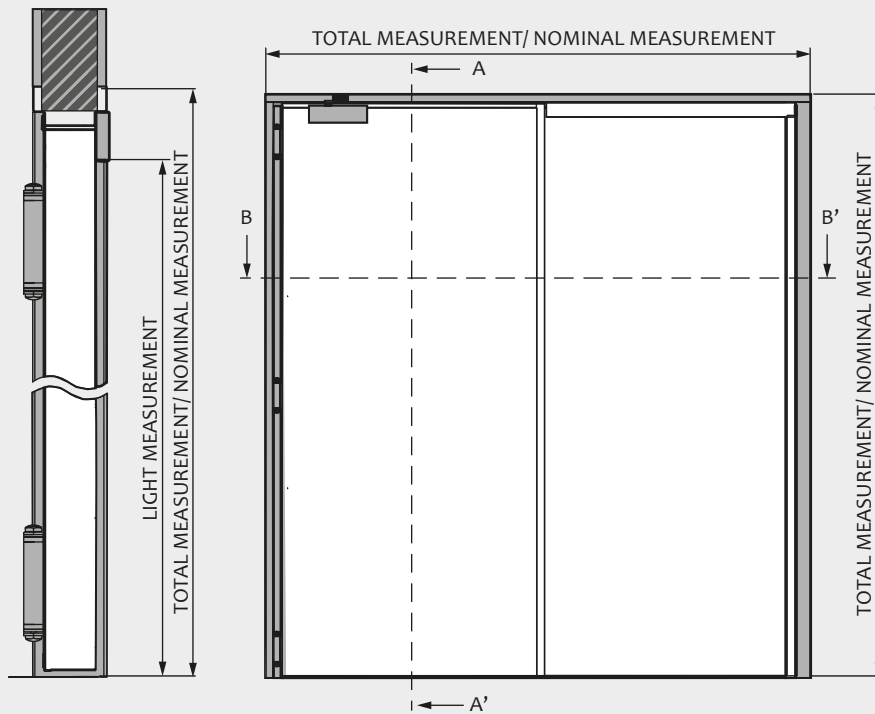


(G)

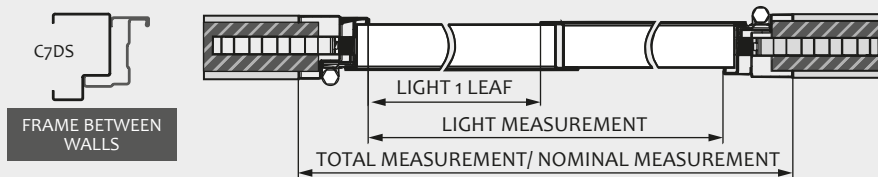


MEASUREMENTS DOUBLE LEAF

SECTION A-A'



SECTION B-B'



Model	Nominal Measurement		Light Measurement		Frame Measurement	
	Width	Height	Width	Height	Width	Height
C7DS frame						
DHTU 1600 x 2091 GADS	1600	2091	1400	2000	1600	2091
DHTU 1700 x 2091 GADS	1700	2091	1500	2000	1700	2091
DHTU 1800 x 2091 GADS	1800	2091	1600	2000	1800	2091
DHTU 1900 x 2091 GADS	1900	2091	1700	2000	1900	2091
DHTU 2000 x 2091 GADS	2000	2091	1800	2000	2000	2091
DHTU 2100 x 2091 GADS	2100	2091	1900	2000	2100	2091
DHTU 2200 x 2091 GADS	2200	2091	2000	2000	2200	2091
DHTU 2300 x 2091 GADS	2300	2091	2100	2000	2300	2091

Standard measurements in millimeters. Possibility of other measurements on request.

Fono-Turia

1 Leaf Door. Acoustic

El₂ 60-90-120

STRUCTURE

Two galvanized steel plates with an 0.8mm anti-finger protection in the case of 60-90 assembled without welding, and a 1mm additional plate in the case of the 120 (A).

Sheet thickness: 63mm in 60-90. Sheet thickness: 74mm in 120. It has a 10mm double case that gives it this thickness. Inner chamber: combination of fire and thermal insulation materials (B). 3 double galvanized steel blade hinges with CE marking in that of 60-90 (C) and 4 in that of 120.

ACOUSTIC INSULATION

36 dB or 39 dB.

Incorporates:

- EPDM rubber seal adhered to the base of the leaf (D).
- Metallic base on the floor (E).

FRAME

CS5 corner frame.

Incorporates:

- Rubber seal (F).
- Intumescent seal (G).

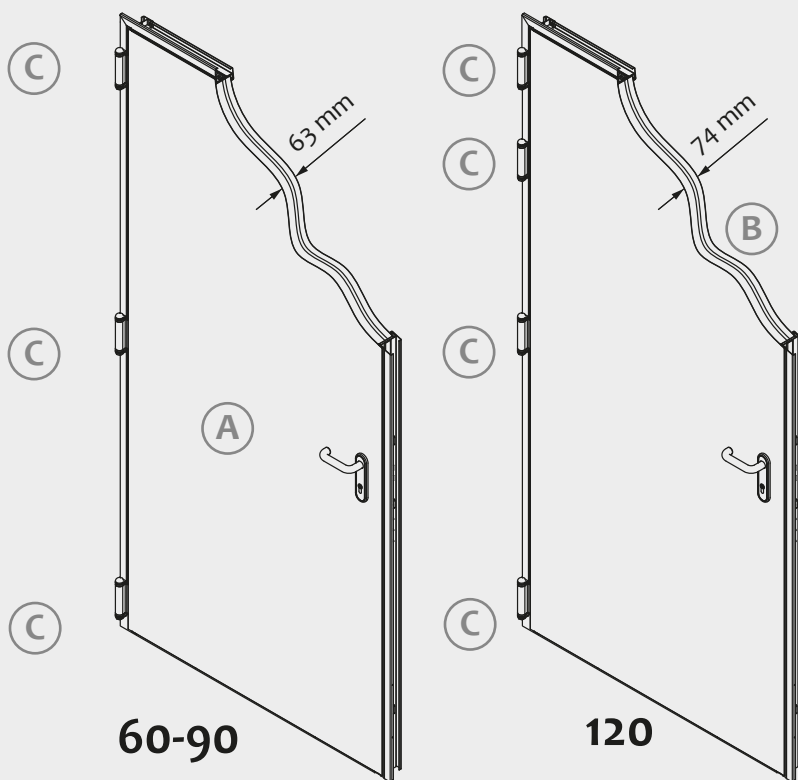
LOCKING AND DRIVING SYSTEM

CE marking reversible lock with stainless steel case and zinc-coated front, embedded in the sheet, with a one-point lock (H).

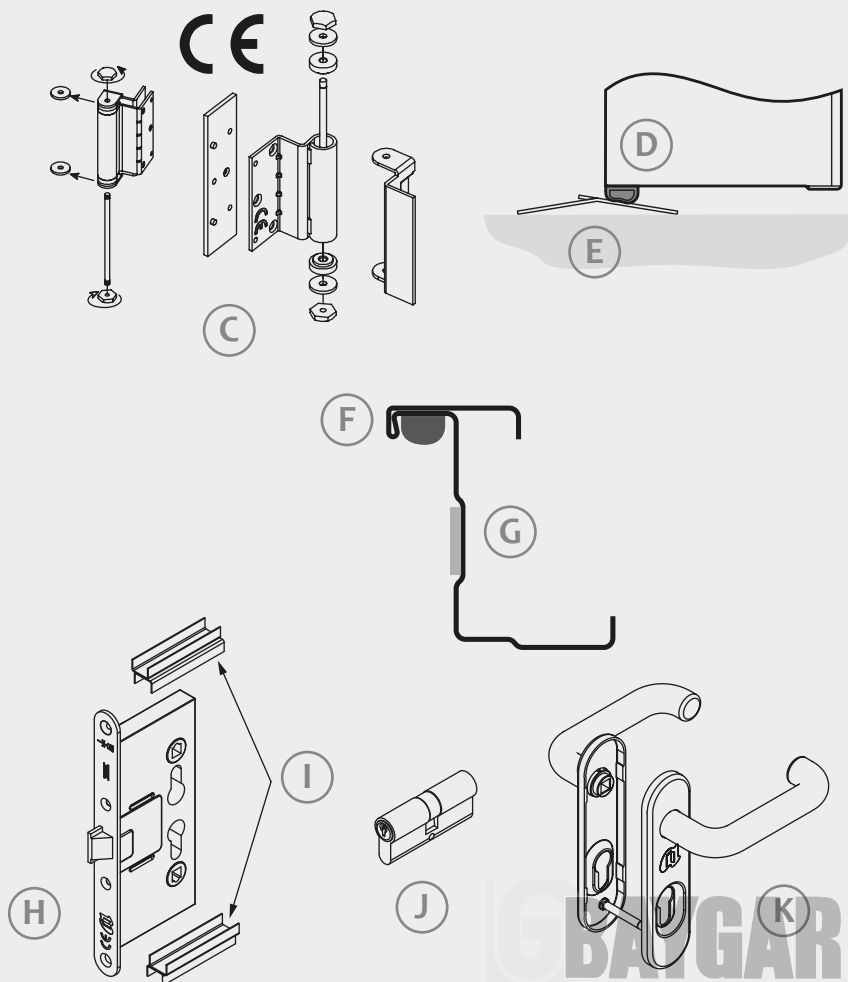
This lock includes a reinforcement in H (I).

Brass cylinder 35x35 in El₂ 60 and 90, brass cylinder 35x45 in El₂ 120 (J).

Set shield + handle with escutcheon (K).

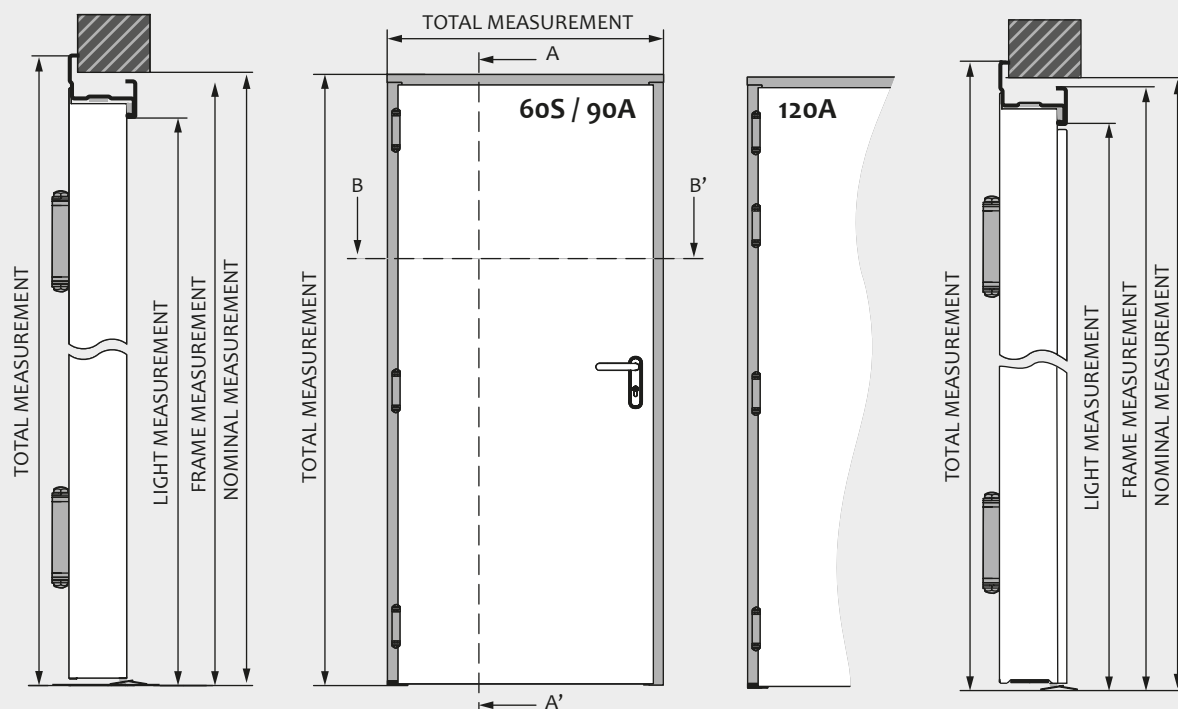


Leaf type	Fire resistance	Acoustic Insulation
60S	60	36 dB
90A	90	36 dB
120A	120	39 dB

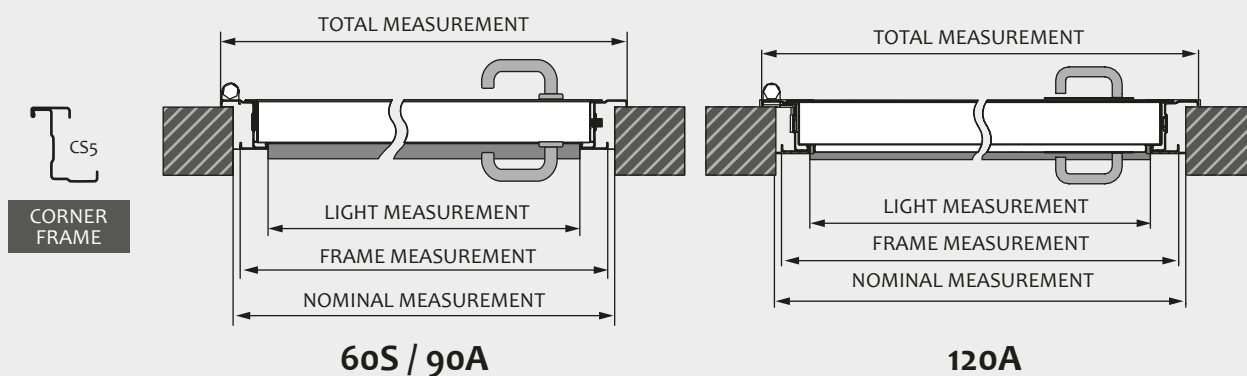


MEASUREMENTS ONE LEAF

SECTION A-A'



SECTION B-B'



Model	Nominal Measurement		Light Measurement		Frame Measurement		Total Measurement	
	Width	Height	Width	Height	Width	Height	Width	Height
CS5 frame								
FT60S 800 x 2150 36 dB	800	2150	700	2100	780	2140	836	2168
FT90S 800 x 2150 36 dB								
FT120S 800 x 2150 39 dB								
FT60S 900 x 2150 36 dB	900	2150	800	2100	880	2140	936	2168
FT90S 900 x 2150 36 dB								
FT120S 900 x 2150 39 dB								
FT60S 1000 x 2150 36 dB	1000	2150	900	2100	980	2140	1036	2168
FT90S 1000 x 2150 36 dB								
FT120S 1000 x 2150 39 dB								
FT60S 1100 x 2150 36 dB	1100	2150	1000	2100	1080	2140	1136	2168
FT90S 1100 x 2150 36 dB								
FT120S 1100 x 2150 39 dB								
FT60S 1200 x 2150 36 dB	1200	2150	1100	2100	1180	2140	1236	2168
FT90S 1200 x 2150 36 dB								
FT120S 1200 x 2150 39 dB								

Standard measurements in millimeters. Possibility of other measurements on request.

Sigma

1 and 2 Leaf Door. Paneled.

El₂ 30-60-90-120

STRUCTURE

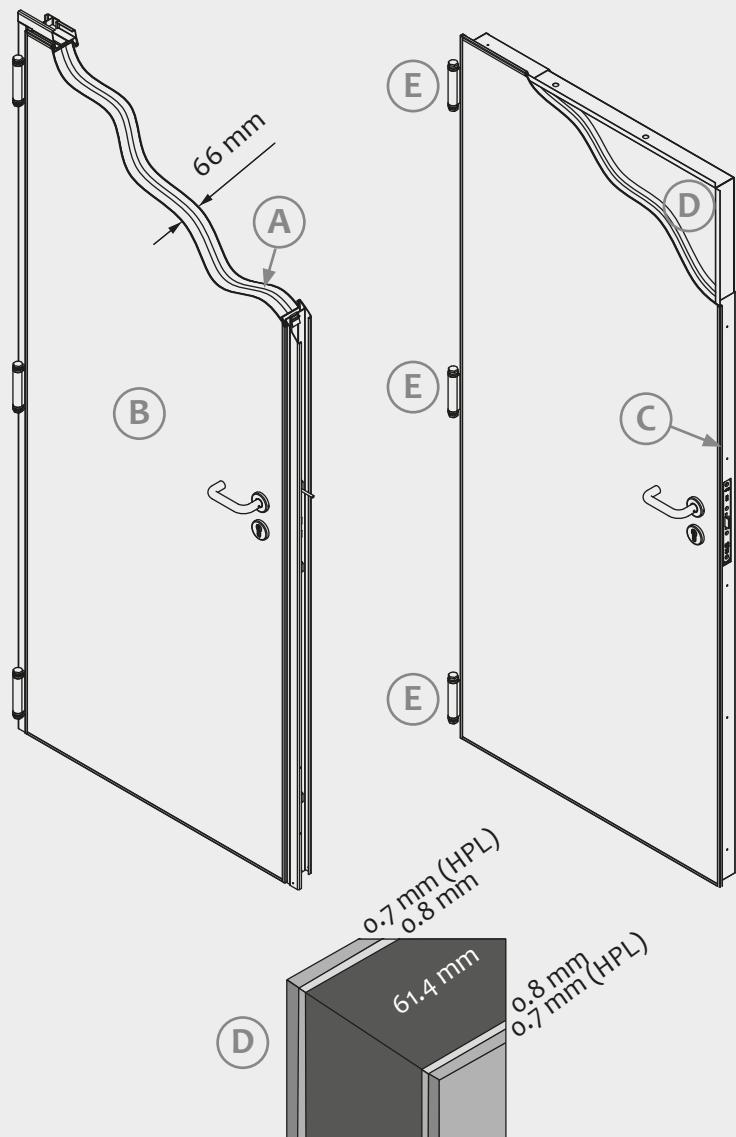
Two galvanized steel sheets with 0.8mm thick anti-finger protection assembled without welding (A), coated with two 0.7mm thick High Pressure Layered Laminated Panels (B).

The paneled set is coated perimetrically with a 0.8mm thick galvanized or stainless steel profile (C).

Leaf thickness: 66mm.

Inner chamber: combination of fire and insulation materials (D).

3 double blade galvanized or stainless steel hinges with CE marking (E).



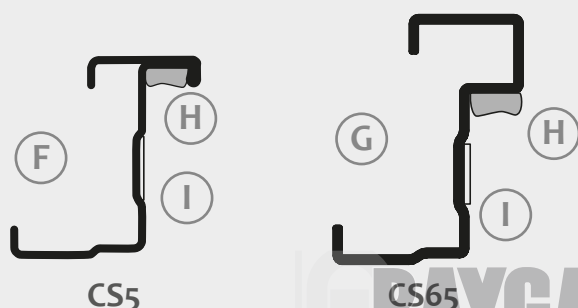
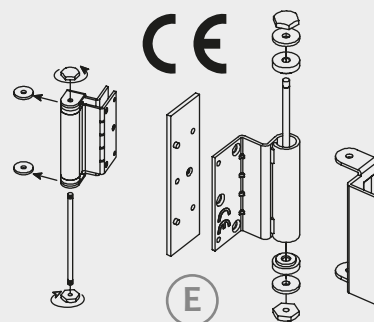
FRAME

CS5 corner frame (F).

CS65 stainless steel corner frame (G).

Incorporate:

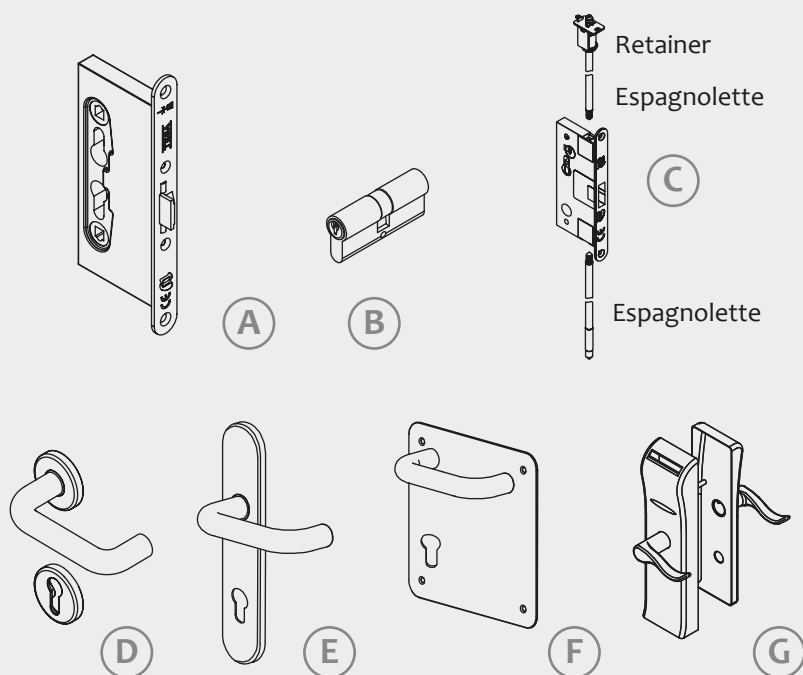
- Rubber seal (H).
- Intumescent seal (I).



CS5

CS65

BAYGAR



LOCKING AND DRIVING SYSTEM

Reversible lock with stainless steel CE marking embedded in the leaf, with a 1-point lock (A).

Nickel cylinder 40x50 (single leaf) or 45x45 (double leaf). In the case of stainless steel Sigma Inox, nickel cylinder 35x40 (single leaf) or 35x35 (double leaf) (B).

In the double leaf it incorporates a self-counter lock closing mechanism in the inactive leaf (C).

The stainless steel lever handle varies according to the use:

- Offices: Set rosette handle + rosette with stainless steel escutcheon (D) or set shield + handle with stainless steel escutcheon (E).
- Hospitals / Educational: Set square stainless steel plate + handle with stainless steel escutcheon (F).
- Hotels: Prepared hotel card-type lock (G).



STAINLESS STEEL BASEBOARD

Optionally: stainless steel baseboard (single or double leaf) (H).

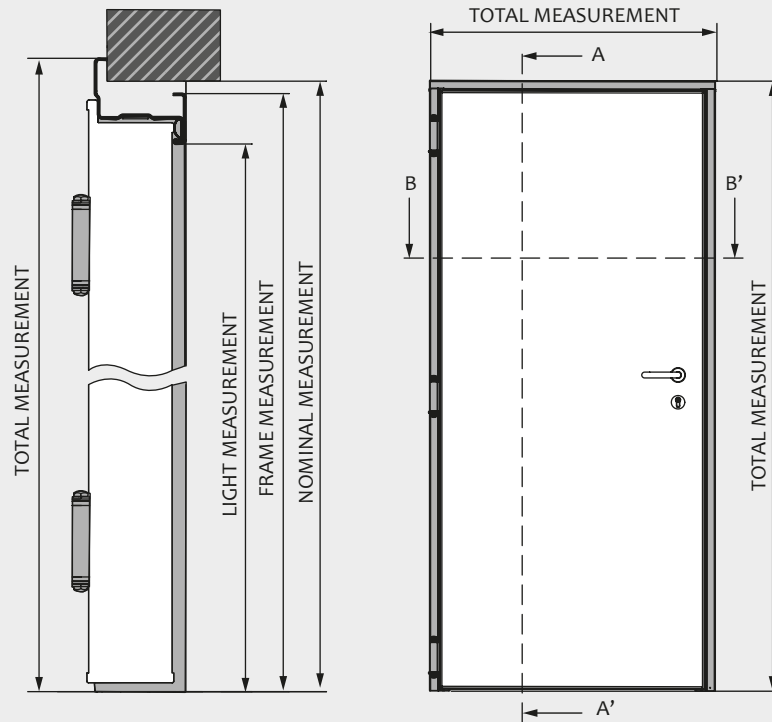
MICROBIAL ACTIVITY

Anti-microbial activity test in the HPL Formica sheets.

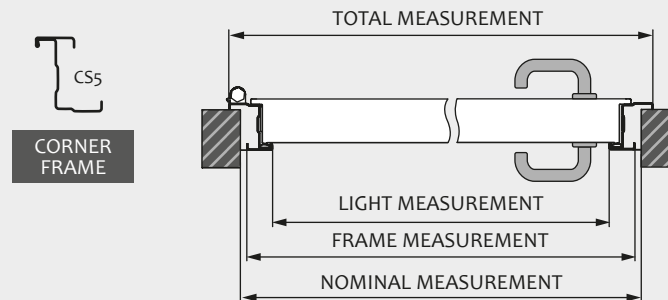
Organisms test	cfu*/ Control Surface 0 hours	cfu*/ Control Surface 24 hours	cfu*/ Control Surface 24 hours	Reduction [log]	Reduction [%]
Staphylococcus aureus	8.17×10^6	1.06×10^6	< 100	4.03	> 99.99
Escherichia coli	9.93×10^6	1.66×10^6	< 100	4.22	> 99.99
Candida albicans	6.30×10^6	4.27×10^4	< 100	2.63	> 99.77
Aspergillus brasiliensis	4.33×10^4	2.25×10^5	< 100	3.35	> 99.96

MEASUREMENTS ONE LEAF

SECTION A-A'



SECTION B-B'

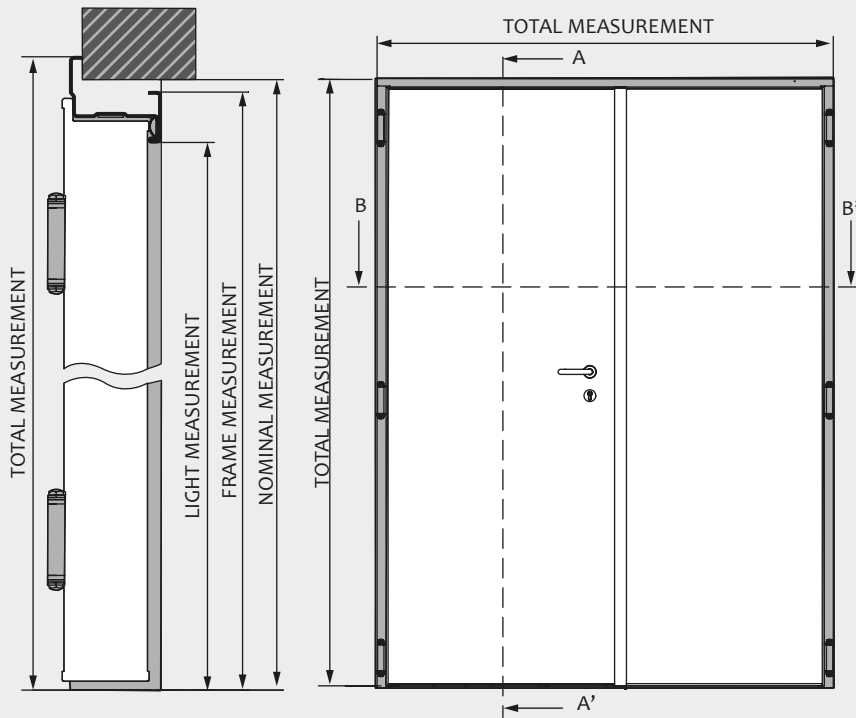


Model		Nominal Measurement		Light Measurement		Frame Measurement		Total Measurement	
CS5 frame		Width	Height	Width	Height	Width	Height	Width	Height
SI 800 x	2050	800	2050	700	2000	780	2040	836	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
SI 900 x	2050	900	2050	800	2000	880	2040	936	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
SI 1000 x	2050	1000	2050	900	2000	980	2040	1036	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
SI 1100 x	2050	1100	2050	1000	2000	1080	2040	1136	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
SI 1200 x	2050	1200	2050	1100	2000	1180	2040	1236	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168

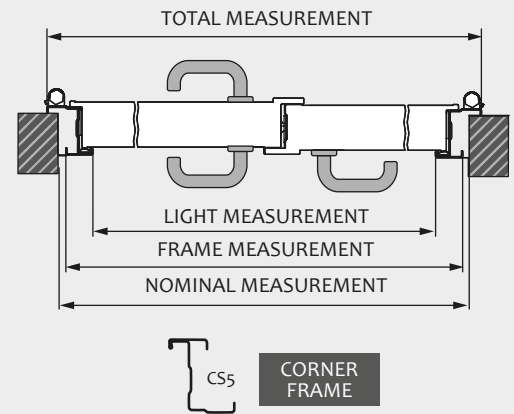
Standard measurements in millimeters. Possibility of other measurements on request.

MEASUREMENTS DOUBLE LEAF

SECTION A-A'



SECTION B-B'



Model		Nominal Measurement		Light Measurement		Frame Measurement		Total Measurement	
CS5 frame		Width	Height	Width	Height	Width	Height	Width	Height
DHSI 1200 x	2050	1200	2050	1100	2000	1180	2040	1236	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHSI 1300 x	2050	1300	2050	1200	2000	1280	2040	1336	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHSI 1400 x	2050	1400	2050	1300	2000	1380	2040	1436	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHSI 1500 x	2050	1500	2050	1400	2000	1480	2040	1536	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHSI 1600 x	2050	1600	2050	1500	2000	1580	2040	1636	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHSI 1700 x	2050	1700	2050	1600	2000	1680	2040	1736	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHSI 1800 x	2050	1800	2050	1700	2000	1780	2040	1836	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHSI 1900 x	2050	1900	2050	1800	2000	1880	2040	1936	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHSI 2000 x	2050	2000	2050	1900	2000	1980	2040	2036	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHSI 2100 x	2050	2100	2050	2000	2000	2080	2040	2136	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168
DHSI 2200 x	2050	2200	2050	2100	2000	2180	2040	2236	2068
	2100		2100		2050		2090		2118
	2150		2150		2100		2140		2168

Standard measurements in millimeters. Possibility of other measurements on request.

Rodas

1 and 2 Leaf Door. Sliding.

El₂ 60

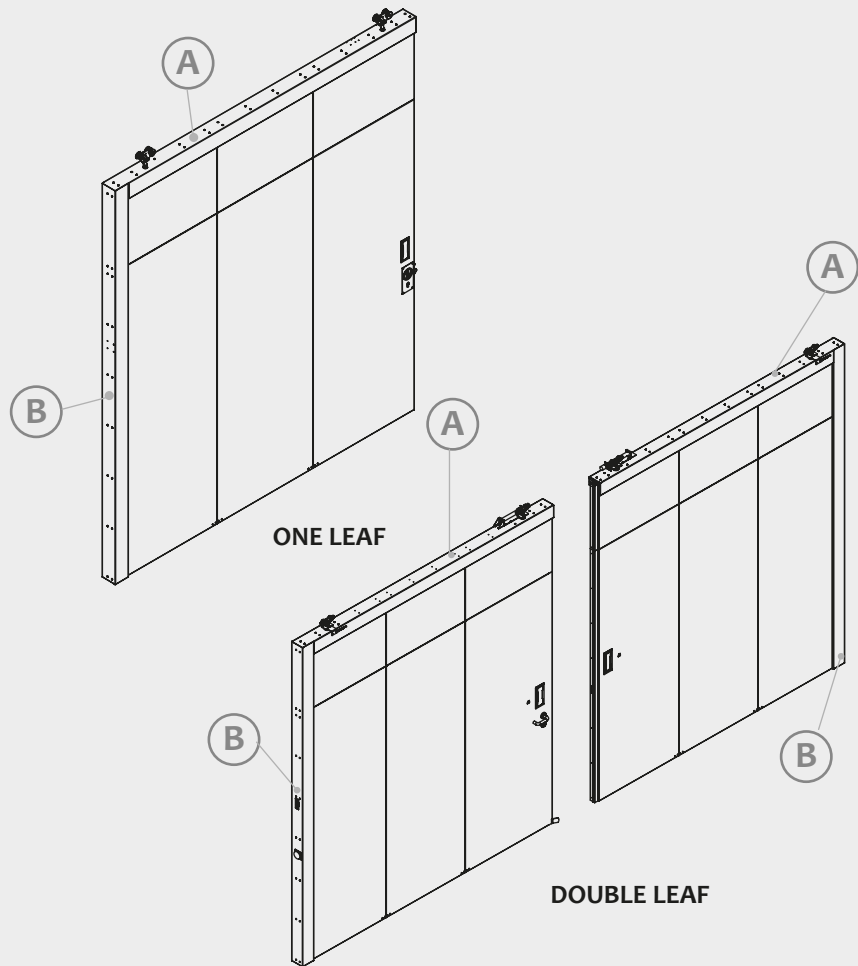
STRUCTURE

2 galvanized steel plates with 1mm sandwich type anti-finger protection.

Leaf thickness: 63mm.

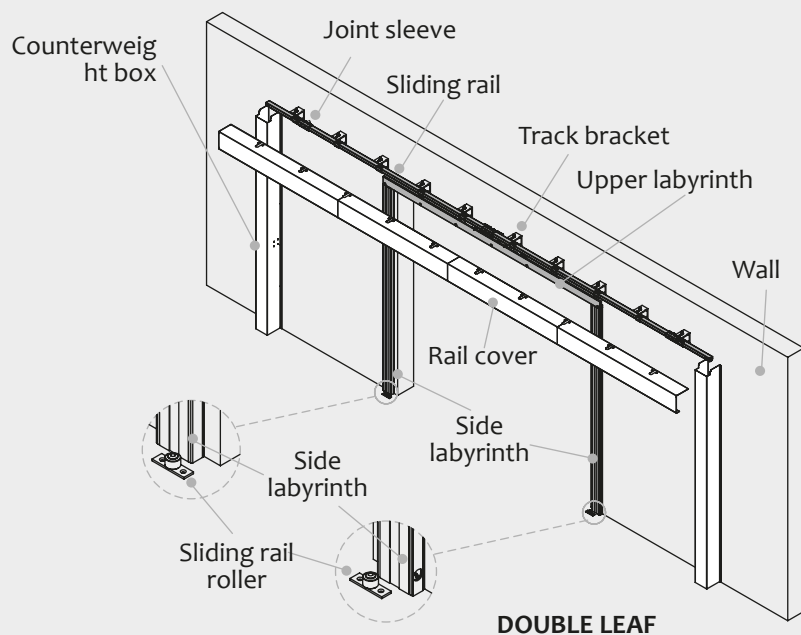
Inner chamber: two 23mm thick rockwool panels and cardboard core plate 15mm thick laminated plaster.

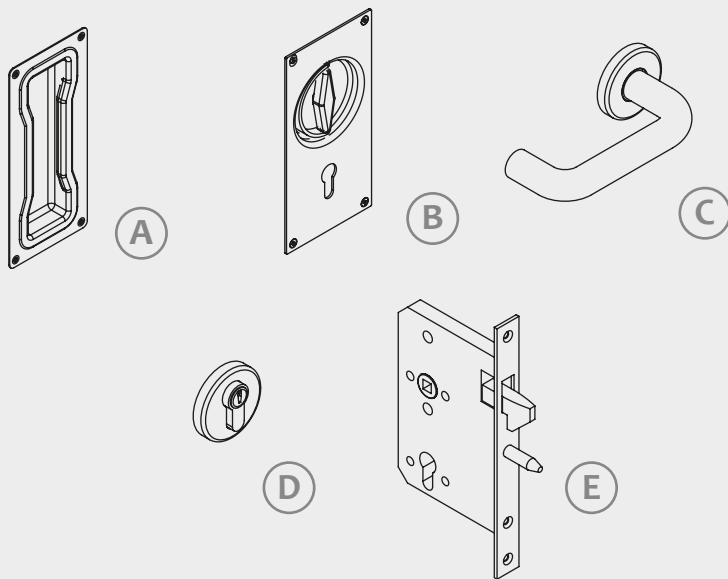
The leaf is formed by a series of panels joined together by screws. The top smoke lid is mounted on the top part (A) and on the side opposite the side smoke lid closing (B), elements that when the leaf is closed, seal the door.



ANCHORAGE SYSTEM

- It is anchored to the wall with a metal plug or welding.
- The guide is covered with a trim and a box is placed on the side of each leaf as counterweight.



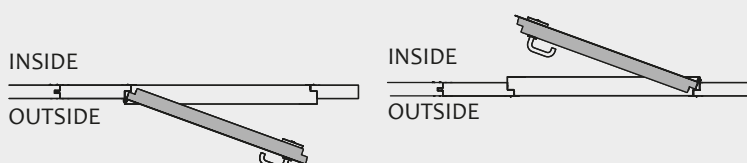
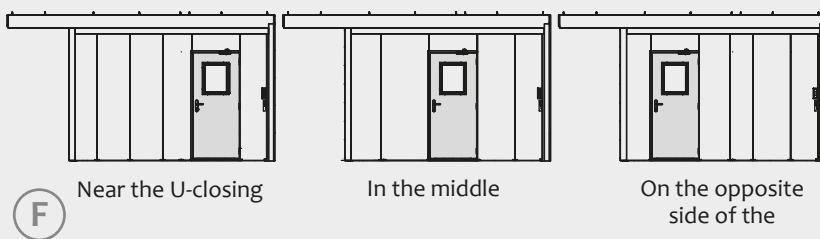
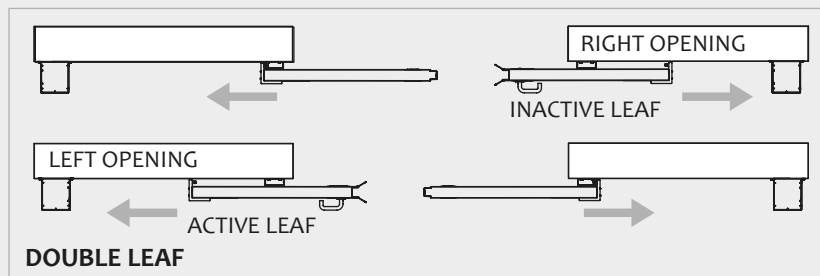
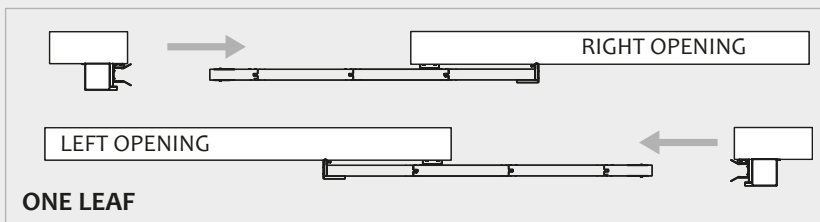


LOCKING AND DRIVING SYSTEM

Handle embedded in both sides of the leaves (A).

Optionally in the active leaf:

- Embedded handle (B).
- Handle on the outer side (C).
- Rosette cylinder on the inner side (D).
- Hook lock (E).



OPENING SENSES

The opening is by sliding on the guide, in one or both directions depending on the model of single or double leaf.

Gate:

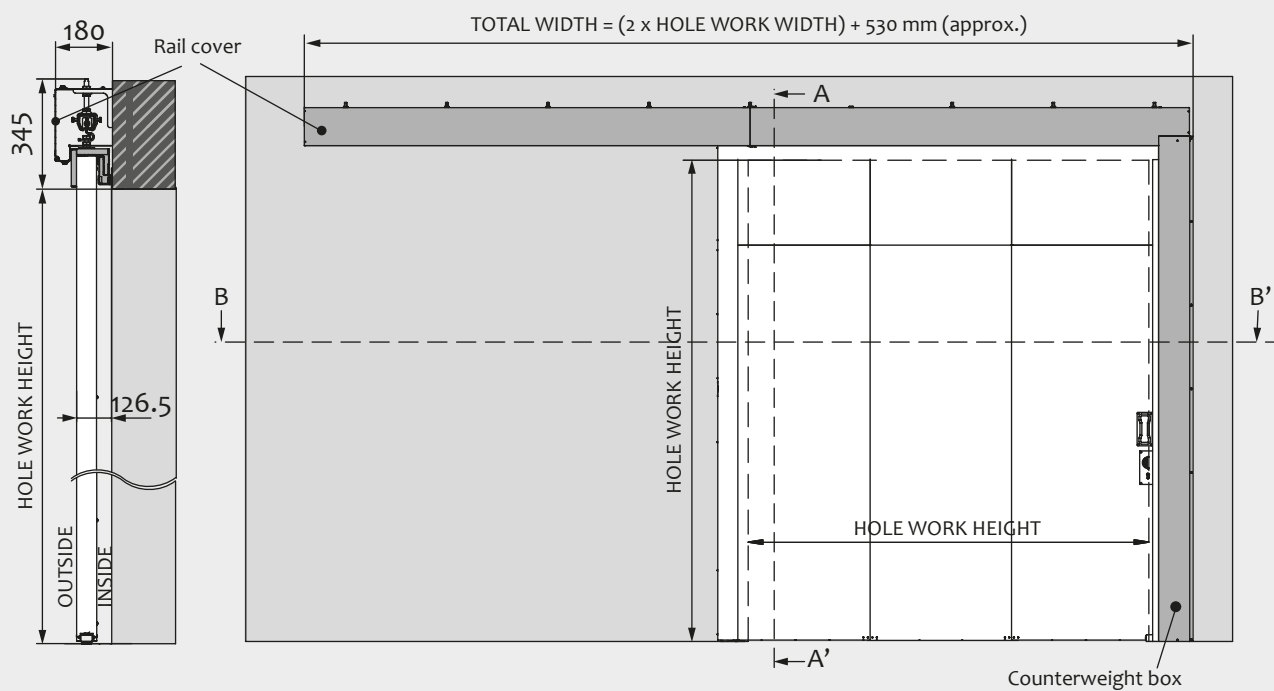
Optionally the Rodas Door can incorporate pedestrian access gate with different locations (F).

Opening and closing systems:

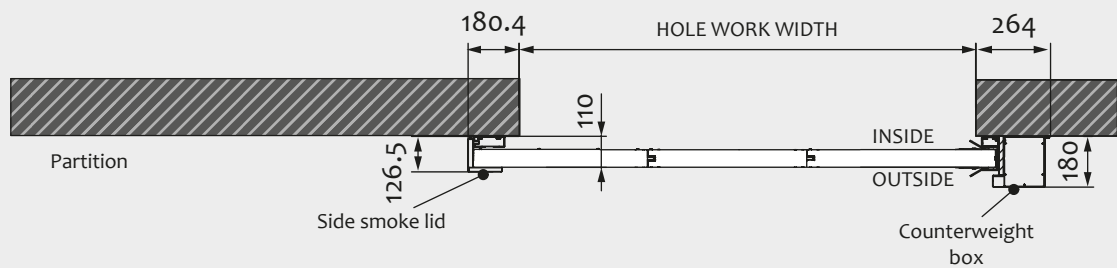
- Manual opening and closing by counterweight.
- Thermal Fuse: Acts when reaching 74°.
- Semi-automatic: Manual opening and closing controlled by counterweight.
- Automatic: Motorized opening and closing controlled by counterweight.

MEASUREMENTS ONE LEAF

SECTION A-A'

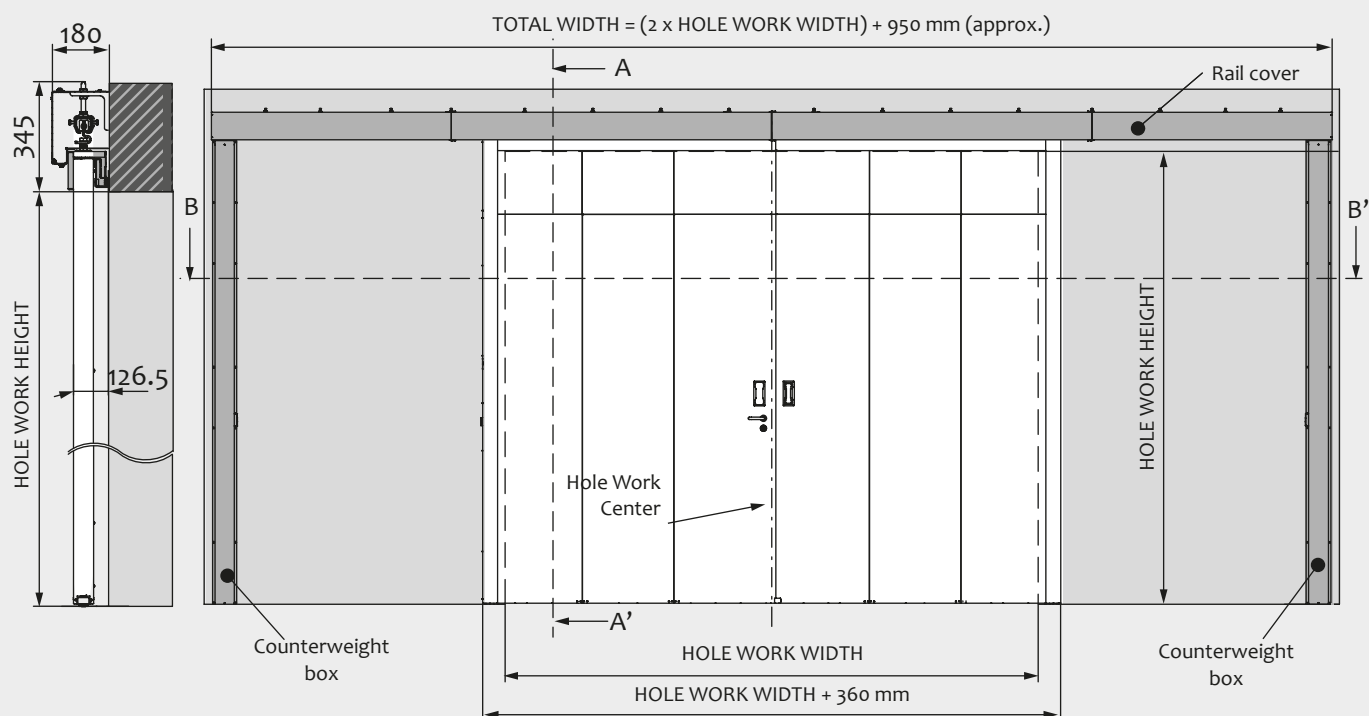


SECTION B-B'

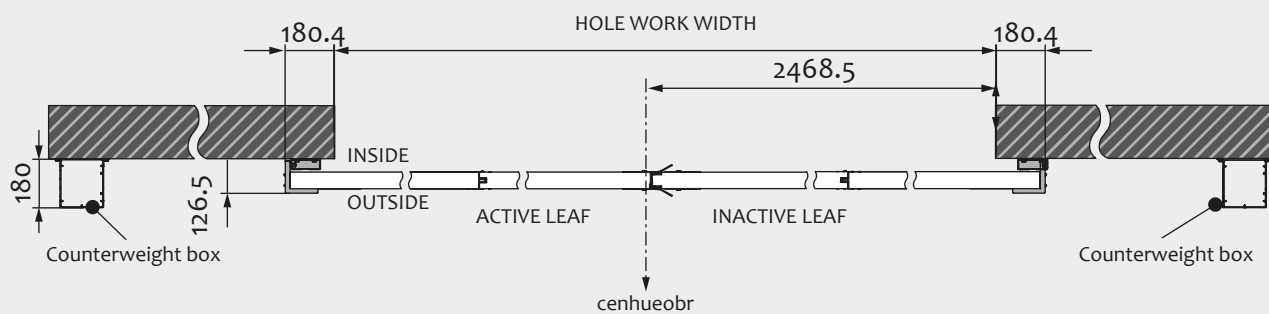


MEASUREMENTS DOUBLE LEAF

SECTION A-A'



SECTION B-B'



Volta

1 Leaf Door. Reversible

El₂ 30-60-90

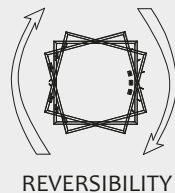
STRUCTURE

Two 0.8mm thick galvanized steel sheets with anti-finger protection, assembled without welding (A).

Leaf thickness: 63mm.

Inner chamber: combination of fire and thermal insulation materials (B).

3 double galvanized steel blade hinges with CE marking (C).

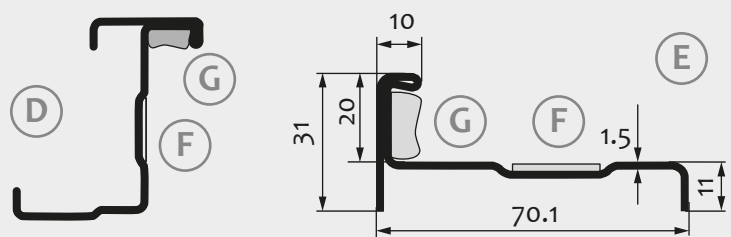


FRAME

CS5 corner frame (D) that has a special profile at the top (E).

Incorporates intumescent seal (F).

Optionally: Rubber seal (G).

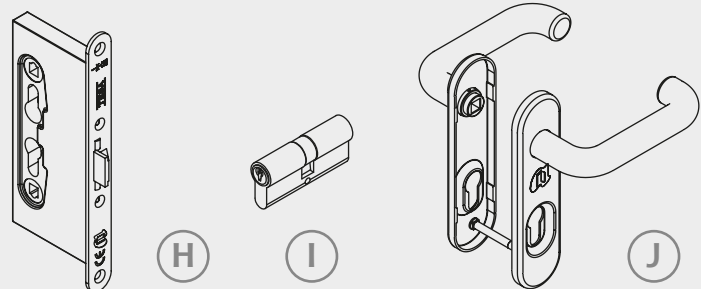


LOCKING AND DRIVING SYSTEM

CE marking reversible lock with stainless steel case and zinc-coated front, embedded in the leaf, with a 1-point lock (H).

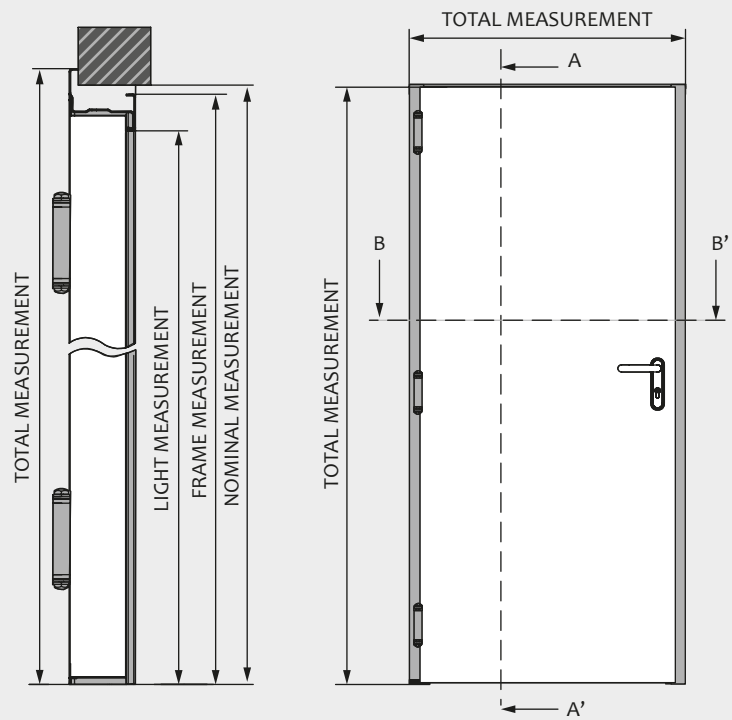
Brass cylinder 35x35 (I).

Set shield + handle with black nylon escutcheon (J).

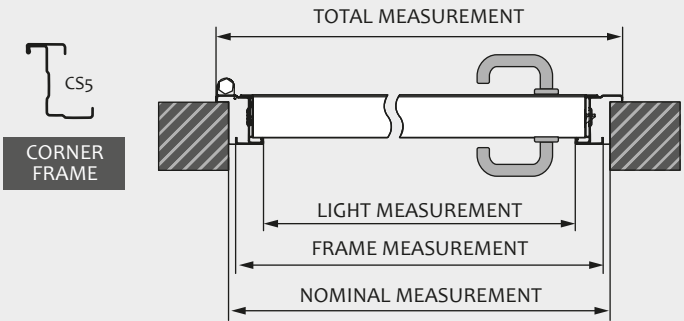


MEASUREMENTS ONE LEAF

SECTION A-A'



SECTION B-B'



Model	Nominal Measurement		Light Measurement		Frame Measurement		Total Measurement	
	Width	Height	Width	Height	Width	Height	Width	Height
CS5 frame								
VO 800 x 2050	800	2050	700	2000	780	2031	836	2031
VO 900 x 2050	900	2050	800	2000	880	2031	936	2031
VO 1000 x 2050	1000	2050	900	2000	980	2031	1036	2031
VO 1100 x 2050	1100	2050	1000	2000	1080	2031	1136	2031
VO 1200 x 2050	1200	2050	1100	2000	1180	2031	1236	2031

Standard measurements in millimeters. Possibility of other measurements on request.

Turia meter door

1 and 2 Leaf Meter Door

El₂ 30-60-90-120

STRUCTURE

It has the same technical characteristics as the Turia door except for:

- CS5 corner frame closed on all 4 sides.
- Hinges according to the dimensions (A).
- Overlap on all 4 sides to fit the closed frame.

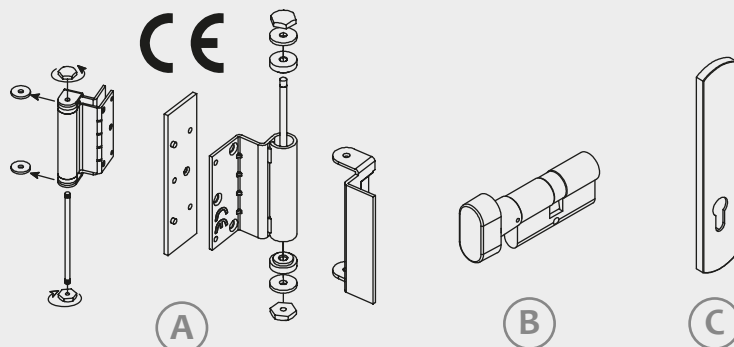
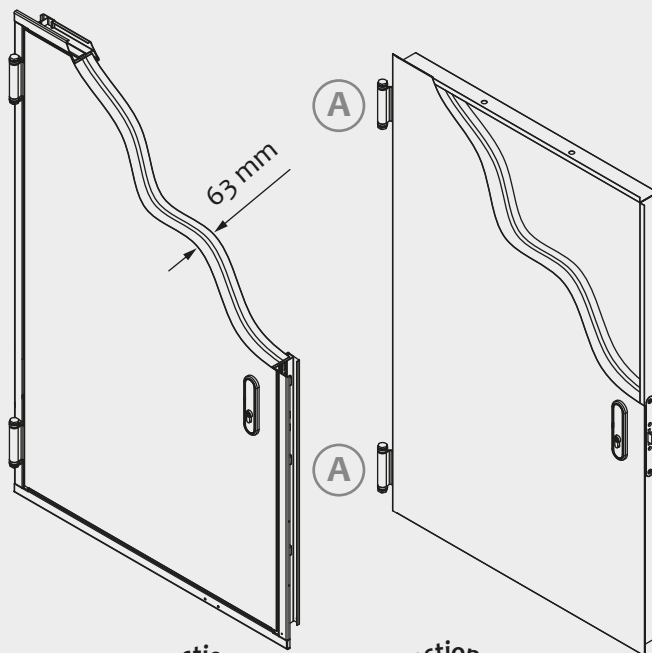
Incorporates intumescent seal.

Optionally: Rubber seal.

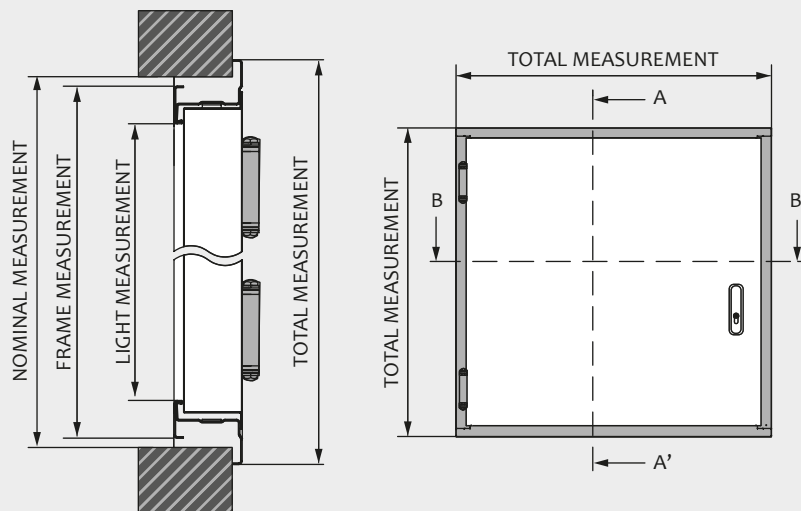
LOCKING AND DRIVING SYSTEM

Brass cylinder with 35x35 knob (B).

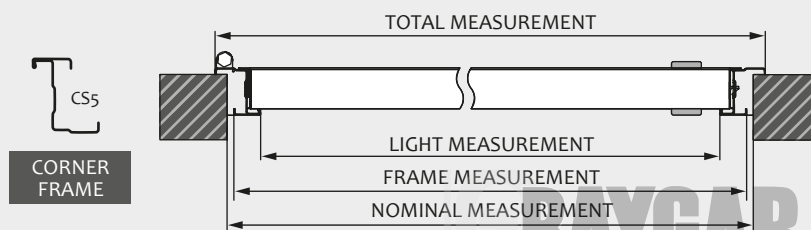
Black nylon escutcheon shield on both sides (C).

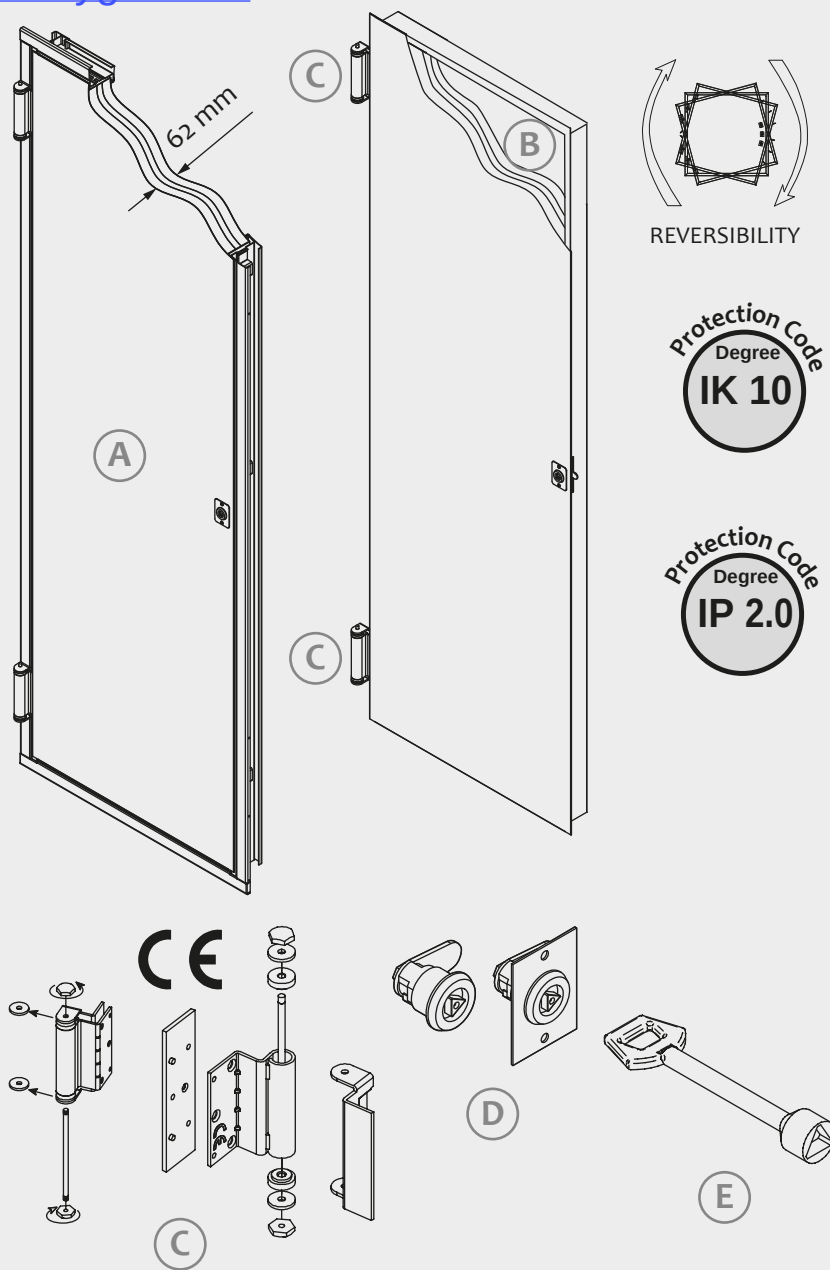


SECTION A-A'

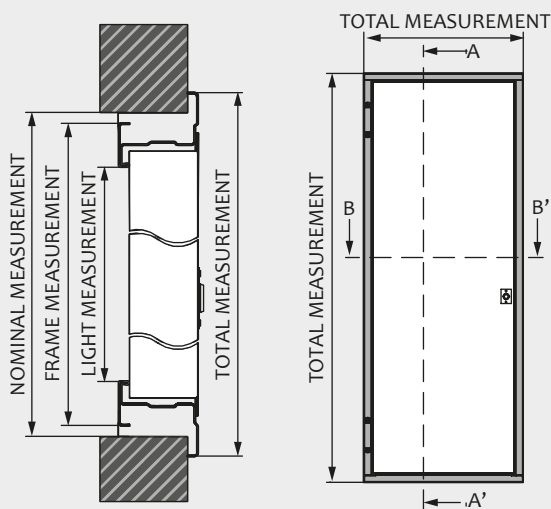


SECTION B-B'

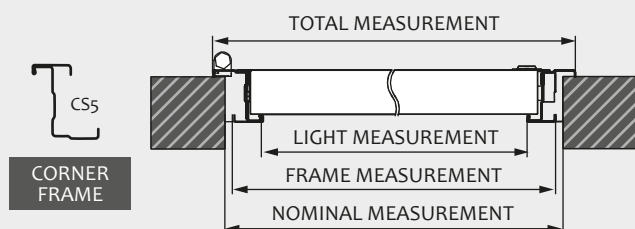




SECTION A-A'



SECTION B-B'



Lex meter door

1 Leaf Meter Door. Reversible

El₂ 60

STRUCTURE

Two 0.7mm thick galvanized steel sheets with anti-finger protection assembled without welding (A).

Leaf thickness: 62mm.

Inner chamber: combination of fire and thermal insulation materials (B).

2 double galvanized steel blade hinges with CE marking (C).

FRAME

CS5 corner frame.

Optionally:

- Intumescent seal.
- Rubber seal.

LOCKING AND DRIVING SYSTEM

Triangular closing with cam lock mechanism (D), driven by a triangular access key (E).

Basic meter door

1 Leaf Meter Door. Reversible

El₂ 60

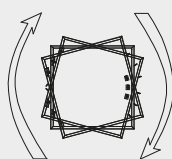
STRUCTURE

Two 0.5mm galvanized steel sheets assembled without welding (A).

Leaf thickness: 38mm.

Inner chamber: combination of fire and thermal insulation materials (B).

2 double galvanized steel blade hinges (C).

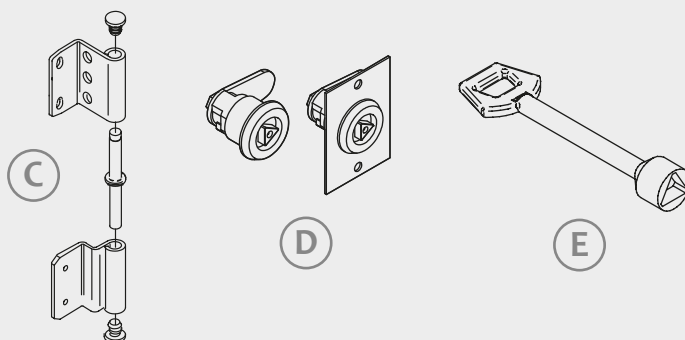


REVERSIBILITY

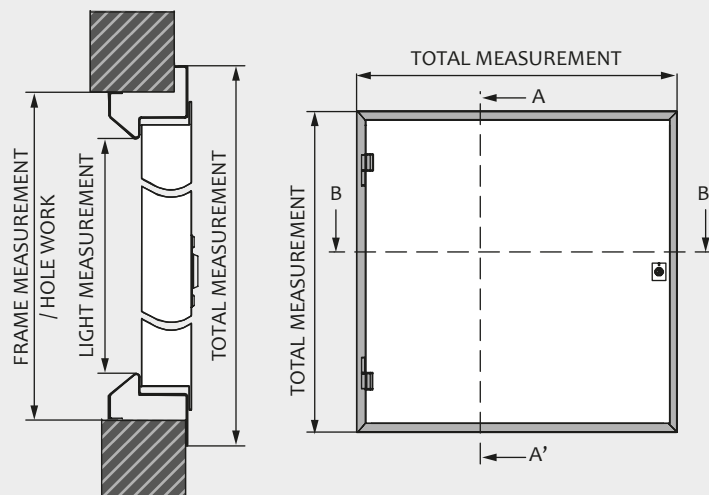


LOCKING AND DRIVING SYSTEM

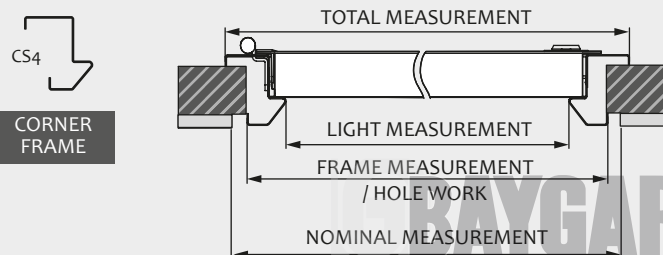
Triangular closing with cam lock mechanism (D), driven by a triangular access key (E).



SECTION A-A'



SECTION B-B'



FRAME

CS4 corner frame.

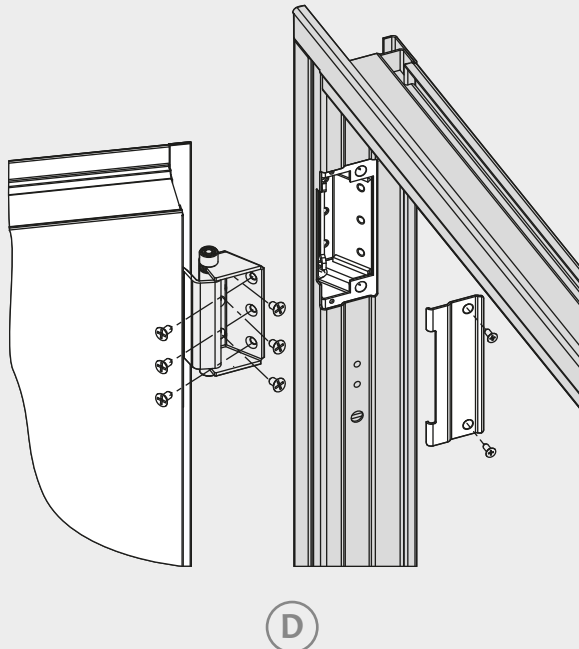
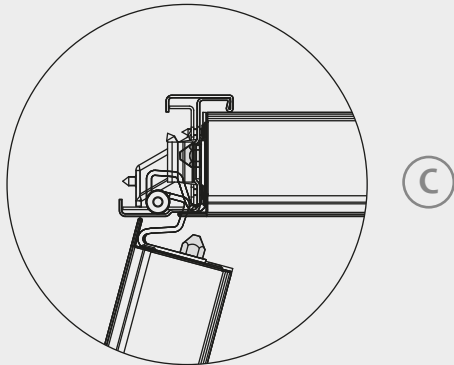
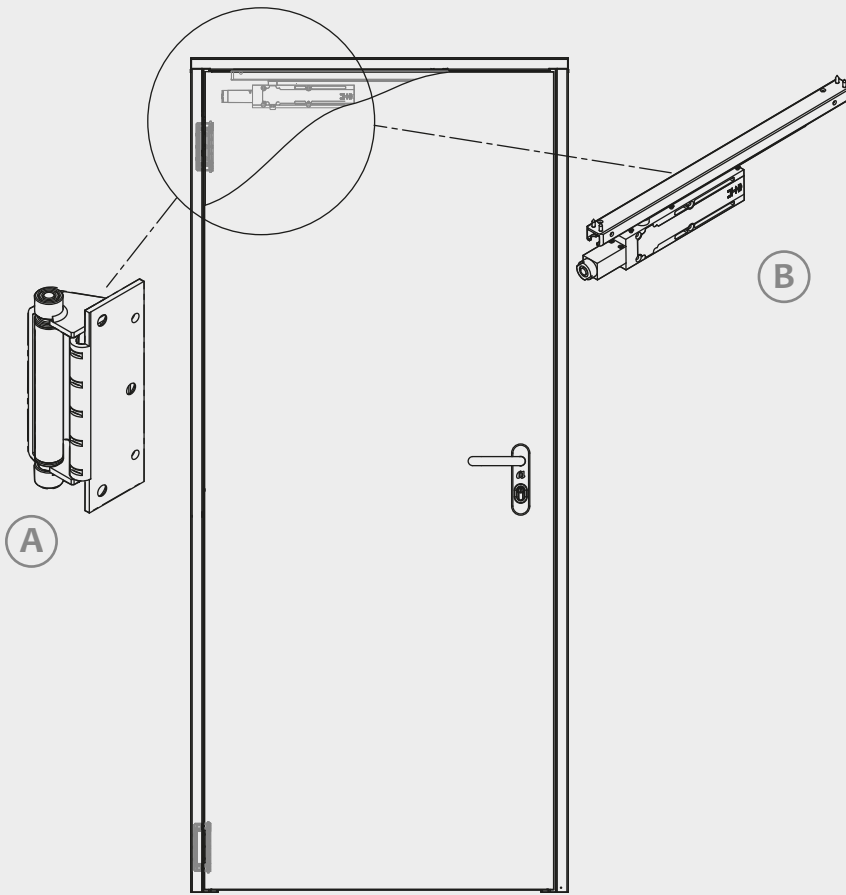
CoBo System

1 and 2 Leaf Door

STRUCTURE

The Concealed Hinge Combination [BO] (A) and the Hidden Door Closers [CO] (B) form the so-called CO-BO System.

The COBO System can be installed in the following door models: Turia, Turia Premium and Sigma. In all of these models, in either a single or a double leaf.



FRAME

CS5 corner frame.

CS65 corner frame.

Incorporates anti-crow bar bolt (C).

Removable leaf (D).

Possibility of tube stainless hinges and trim.

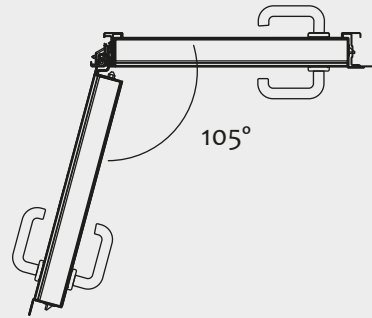
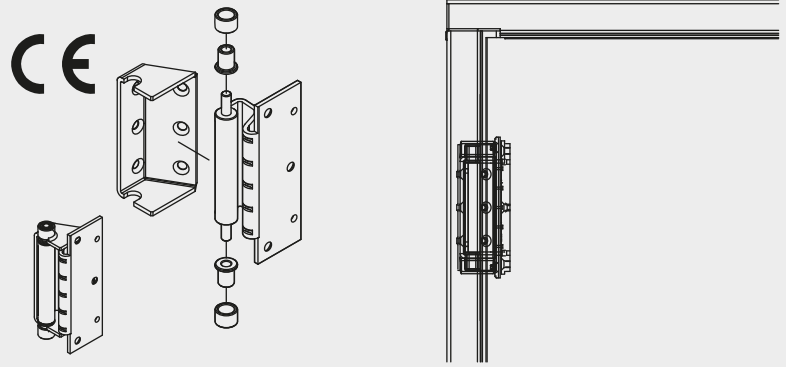
The TU/VO hinges and vice versa cannot be replaced.

CONCEALED HINGE

3mm thick galvanized or stainless steel own design hinge with CE marking. Housed within the frame, it remains invisible on both sides of the door.

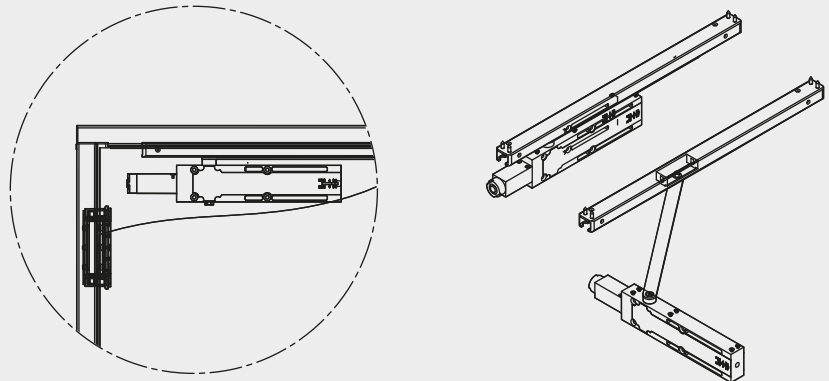
It is available in galvanized finish, stainless steel or lacquered in Ral.

It is recommended to install an opening restrictor (stopper) to prevent the leaf opening more than 105°.



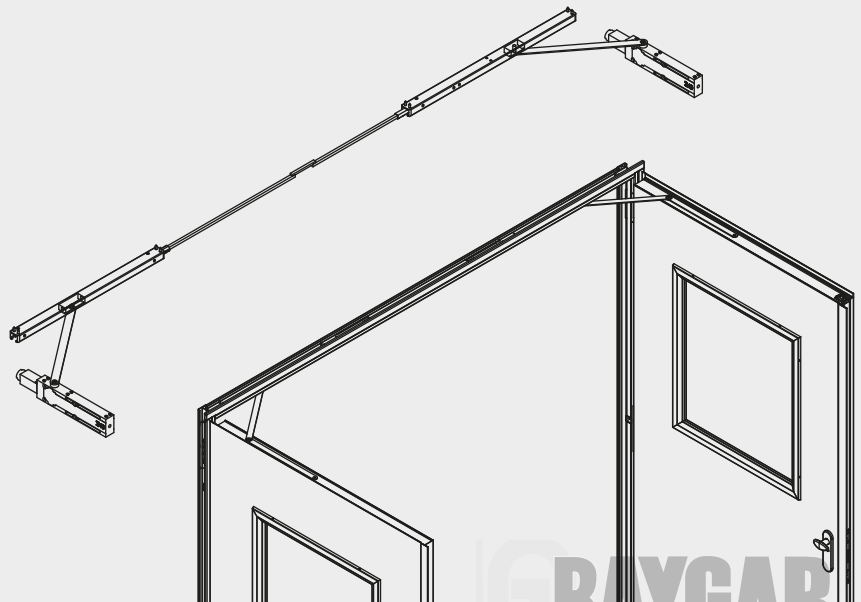
HIDDEN DOOR CLOSERS

ECO MULTI-GENIUS door closers with 3-5 strength, with the body embedded in the top of the leaf and the guide built in the frame. It can be mounted on doors of 1 or 2 leaves.

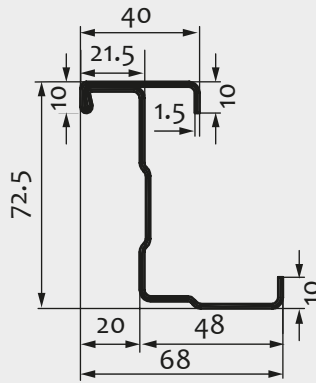


CLOSING SELECTOR

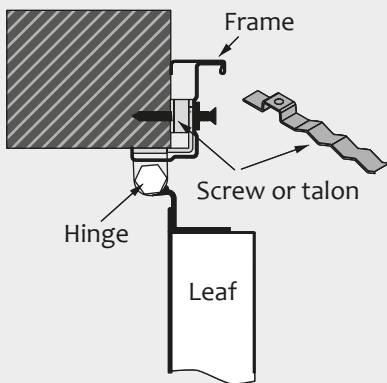
Double leaf models have an integrated Closing Selector.



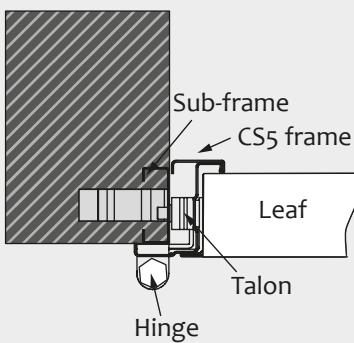
CS5



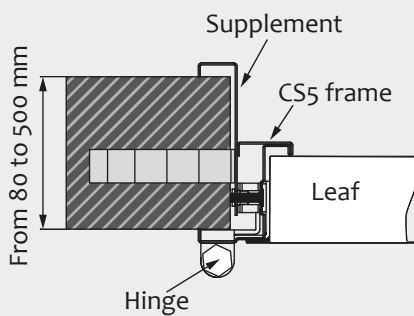
Installation to a partition wall screwed or with talon



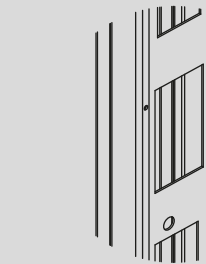
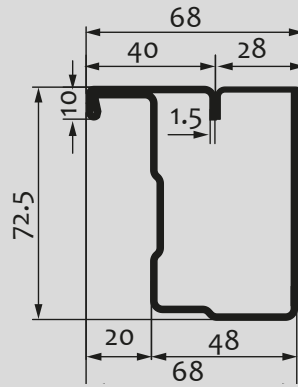
Installation of a screwed sub-frame



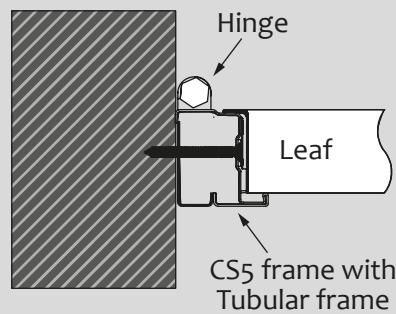
Installation to wrapping sub-frame



CS5 With a tubular frame



Installation between walls



Fire Door Frames

OPTION OF AVAILABLE FRAMES

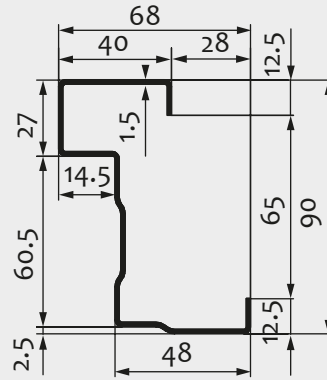
Corner frame model CS5 1.5mm thick.

Tubular frame model CS5 1.5mm thick.

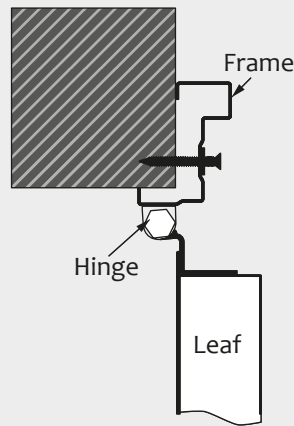
CS65

Corner frame model CS65 1.5mm thick.

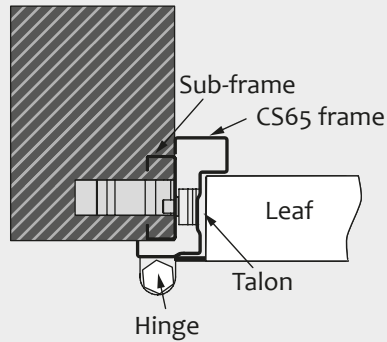
C7DS frame, frame connector of the Double Opening Sense (A) and the CS5 corner frame.



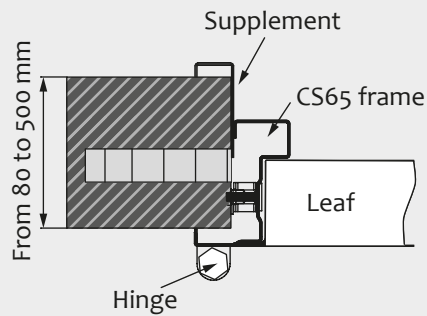
Installation screwed to partition / wall



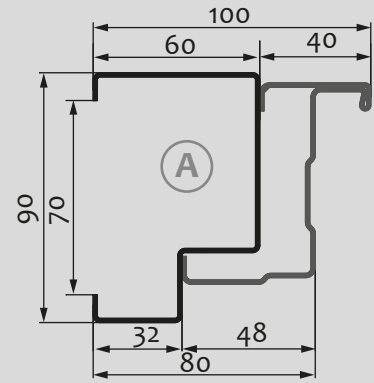
Installation of a screwed sub-frame



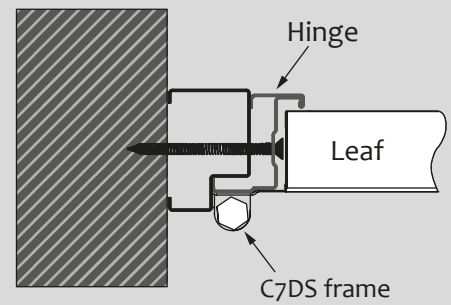
Installation of a wide frame

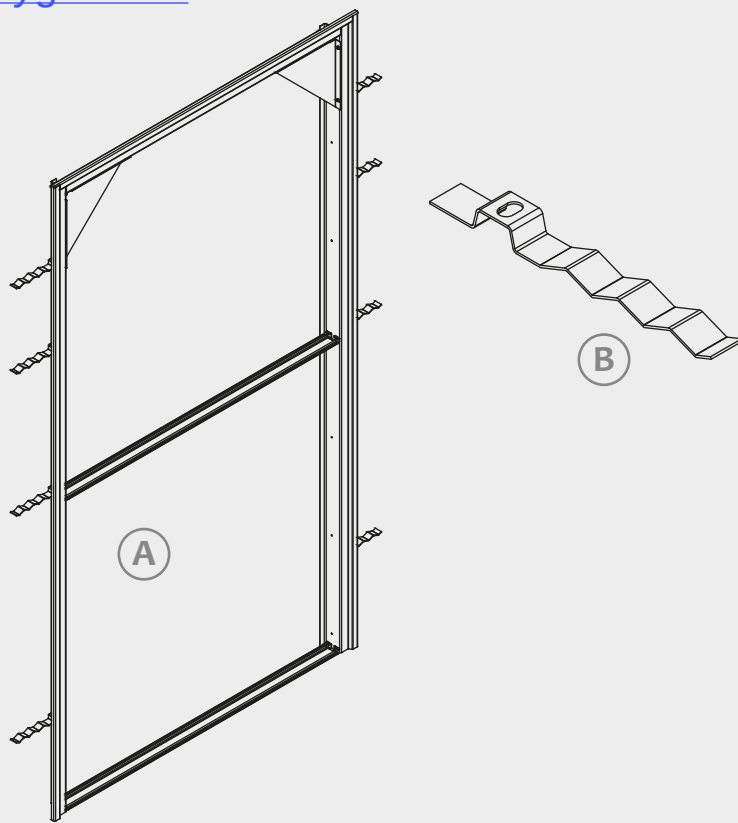


C7DS



Installation between walls





Fire Door Sub-frame

Optionally the assembly of the Fire Door can be carried out using a steel sub-frame (A).

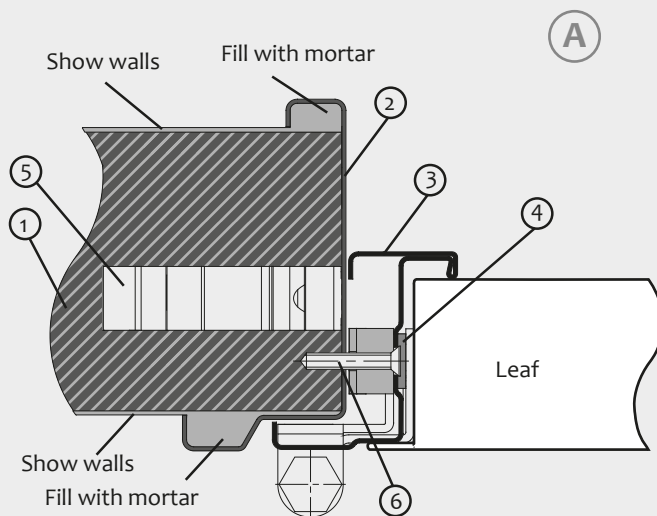
Both the sub-frames and the frames have galvanized steel anchoring talons (B). 4 on each side of the sub-frame and 3 on each side of the frame.

ADVANTAGES

- Adapted to Standard UNE-EN 1634-1:2010.
- Marks building gaps, these are not harmed, as they are installed at the last moment.
- The door pulls on an independent metallic structure.

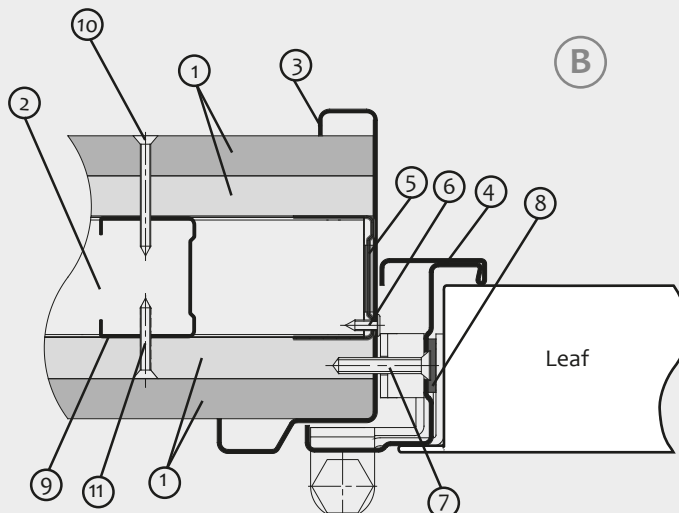
FITTING THE SUB-FRAMES

In Rigid Wall (A)



1. High Density Rigid Wall.
2. Metallic wrapping sub-frame (widths from 120mm to 350mm, consult other measurements).
3. CS5 metallic frame.
4. Graphite intumescent seal.
5. Talon for anchoring the sub-frame to the wall.
6. Self-tapping sheet metal screw 6.3x60 mm DIN 7504P to screw the frame to the sub-frame.

In Flexible Wall (B)

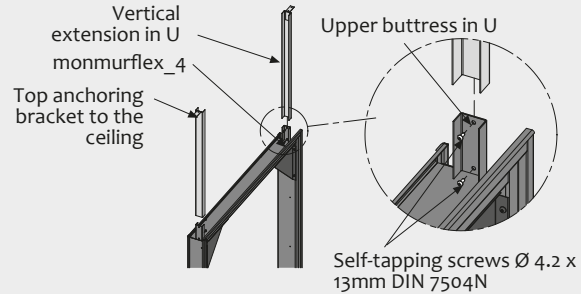


1. Laminated plaster.
2. Rockwool.
3. Metallic wrapping sub-frame (widths between 120 mm and 350 mm).
4. CS5 metallic frame.
5. U-channel.
6. Extra flat head sheet metal screw 4.2x13 mm.
7. Sheet metal screw 6.3x38 mm DIN 7982.
8. Graphite intumescent seal.
9. Stud.
10. Self-tapping screw 3.9x45 mm.
11. Self-tapping screw 3.9x25 mm.

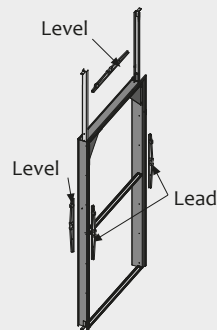
Mounting Sub-frame to Flexible Wall

- 1 Trim the vertical extension in U depending on the position of the top anchoring bracket to the ceiling

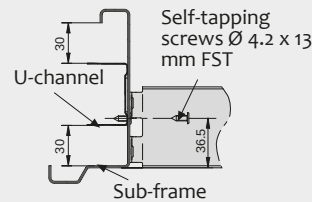
- 2 Screw the vertical extensions in U of the sub-frame to the Upper buttresses in U with 2 self-tapping screws $\varnothing 4.2 \times 13$ mm DIN 7504N



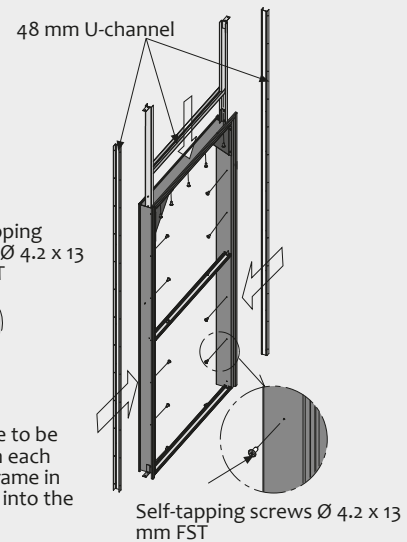
- 3 Present the sub-frame in work with the vertical extensions in U already assembled, leaving the set leveled properly



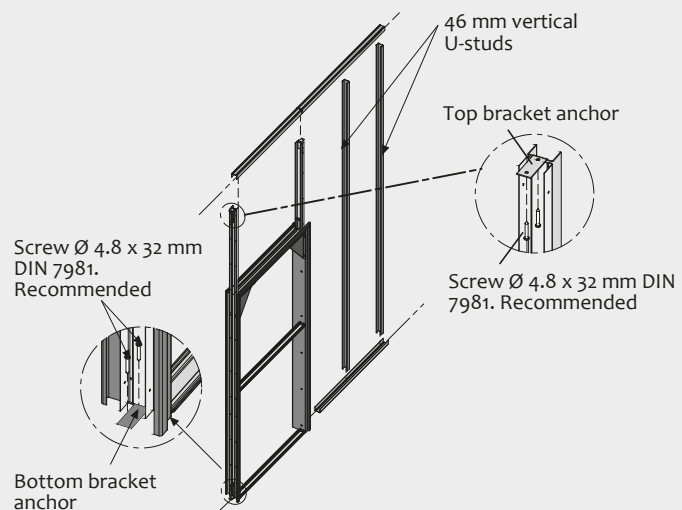
- 4 Next place the U-channels and screw the 48 mm U-channel to the perimeter of the sub-frame with 7 extra flat head screws $\varnothing 4.2 \times 13$ FST in each jamb and 5 screws in the lintel



Note: The U-channels are to be placed leaving 30 mm on each side regarding the sub-frame in order to introduce them into the lintel.

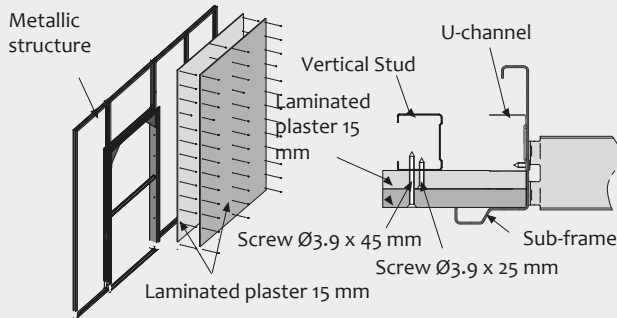


- 5 Screw or fix the Upper and Lower Sub-frame Anchoring Brackets to the ceiling and to the floor respectively with the $\varnothing 4.8 \times 32$ mm DIN 7981 recommended screws.

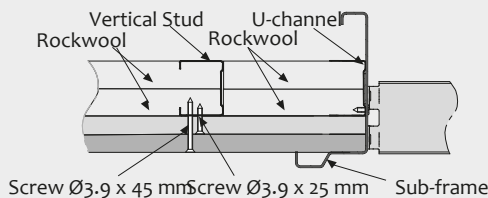


- 6** Mount the 48 mm U-channels on the ceiling, on the floor and on the wall, then the vertical studs will be placed in a 46 mm U. We recommend using self-tapping screws with nail tip and trumpet head Ø 3.9 x 25 mm. Rivet the studs and the channels.

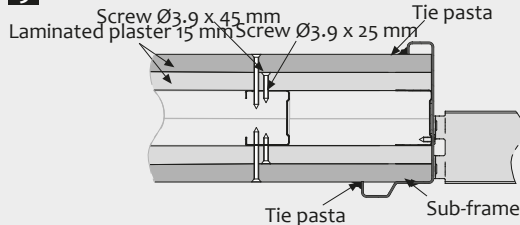
- 7** Install a laminated plaster side wall on the metallic frame. Two 15 mm thick gypsum plasterboards and Ø 3.9 x 25 mm and Ø 3.9 x 45 mm self-tapping screws are used.



- 8** Introduce the 23 mm thick rockwool between the 48 mm U-channels and the 46 mm U-studs.

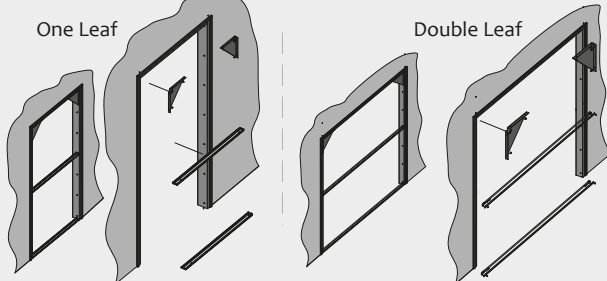


- 9** monmurflex_30

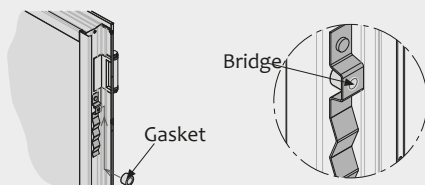


- 10** Seal the joints between the gypsum wall and the sub-frame with tie pasta; fill the holes of the screw heads. Fill the joints between the boards with paper and sealant.

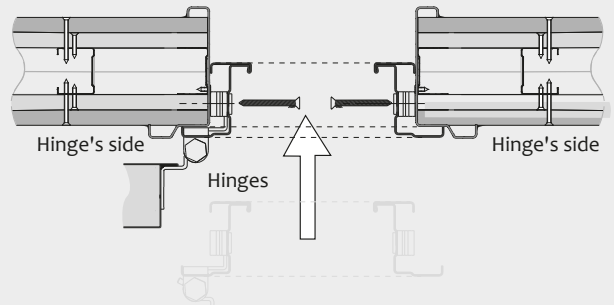
- 11** With the dry wall, remove the lower bars and the brackets of the sub-frame.



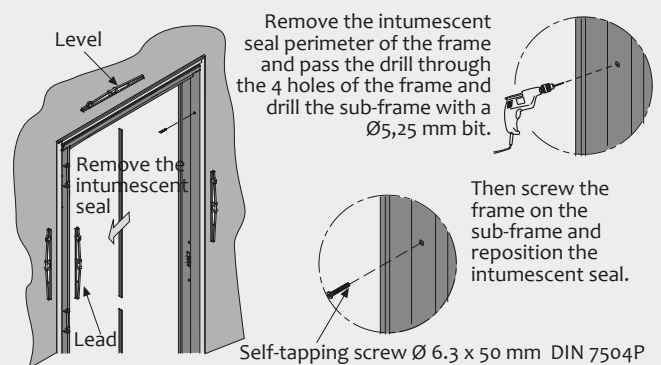
- 12** Introduce the cap inside the bridge of each door talon. Consider the position and the placement path according to the figure below.



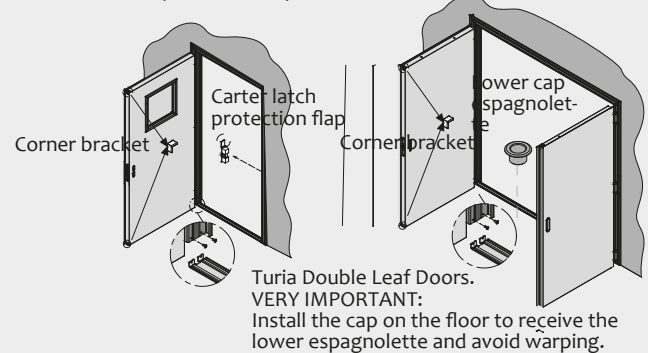
- 13** Introduce the door into the sub-frame. Consider the position of the same according to the figure below.



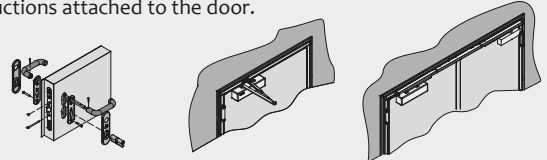
- 14** Opening or removing the leaf to screw the frame on the sub-frame with self-tapping screws Ø 6.3 x 50 mm DIN 7504P. It will take 4 screws in each jamb whose position is marked by the holes in the frame. Level and plumb the frame on the sub-frame.



- 15** Remove the corner brackets; unscrew the lower bar, break the carter latch protection flap and close the leaf.

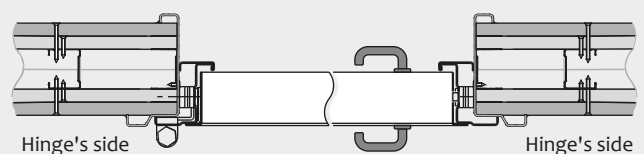


- 16** Assemble the handle set and the Door closer according to the instructions attached to the door.



If you have followed the installation instructions, when closing the leaf there will be the following gaps:

	Turia-Delta	DH Turia
Gap between the leaf and the frame on the hinge side	4 mm (± 3 mm)	4 mm (± 3 mm)
Gap between the leaf and the lintel.	3 mm (± 3 mm)	3 mm (± 3 mm)
Gap between the leaf and the frame on the lock side.	5 mm (± 3 mm)	-
Gap between the leaf and the floor.	7 mm (± 3 mm)	7 mm (± 3 mm)
Gap between the leaves.	-	7 mm (± 3 mm)

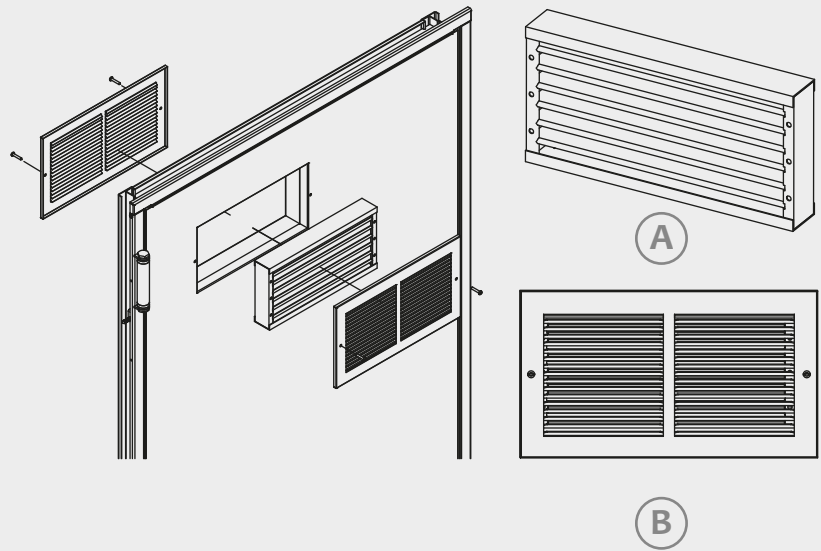


Fire Door Grids

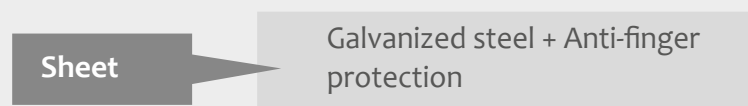
Optionally grids can be installed that allow a ventilation of the doors, keeping their resistance to fire intact.

They consist of a series of horizontal intumescent sheets with perimeter frame of the same material that ensures maximum ventilation with total sealing in case of fire (A).

They are externally finished with a trim of the same material (B).



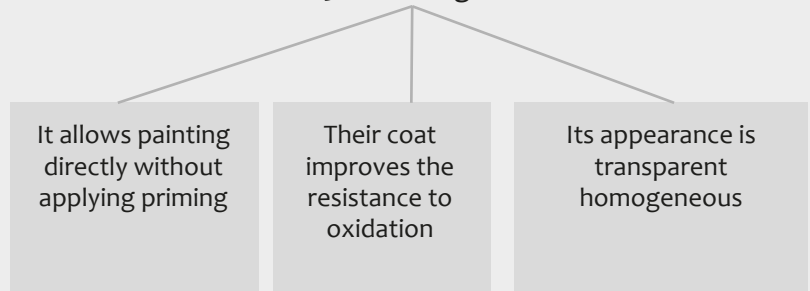
Anti-finger Finish



What is Anti-finger protection?

It is additional colorless priming on galvanized steel

3 advantages



Vertical pallet	Delta	Volta	Fono-Turia
N° of doors	15 uds	15 uds	15 uds
Pallet width	0.95 m**	0.95 m**	0.95 m**
Pallet length	1.18 m	1.18 m	1.18 m
Pallet height	2.27 m	2.27 m	2.27 m
Pallet approx. weight	981 kg**	1118 kg**	1176 kg**

* The sub-frames go in a separate pallet.** Nominal Reference 900mm El2 60

Vertical pallet	Turia	Turia DH
N° of doors	15 uds	7 uds
Pallet width	0.95 m**	1.75 m***
Pallet length	1.18 m	0.79 m
Pallet height	2.27 m	2.27 m
Pallet approx. weight	1076 kg**	1002 kg***

* The sub-frames go in a separate pallet.** Nominal Reference 900mm El2 60.*** Nominal Reference 1700mm El2 60.

Pallet edge	Turia Premium	Turia Premium DH
N° of doors	11 uds	5 uds
Pallet width	1.18 m**	0.79 m***
Pallet length	2.10 m	2.10 m
Pallet height	1.13 m	1.93 m
Pallet approx. weight	1269 kg**	1138 kg***

* The sub-frames go in a separate pallet.** Nominal Reference 900mm El2 60.*** Nominal Reference 1700mm El2 60.

Pallet edge	Sigma	Sigma DH
N° of doors	13 uds	7 uds
Pallet width	1.18 m**	0.79 m***
Pallet length	2.10 m	2.10 m
Pallet height	1.13 m	1.93 m
Pallet approx. weight	1132 kg**	1201 kg***

* The sub-frames go in a separate pallet.** Nominal Reference 900mm El2 60.*** Nominal Reference 1700mm El2 60.