

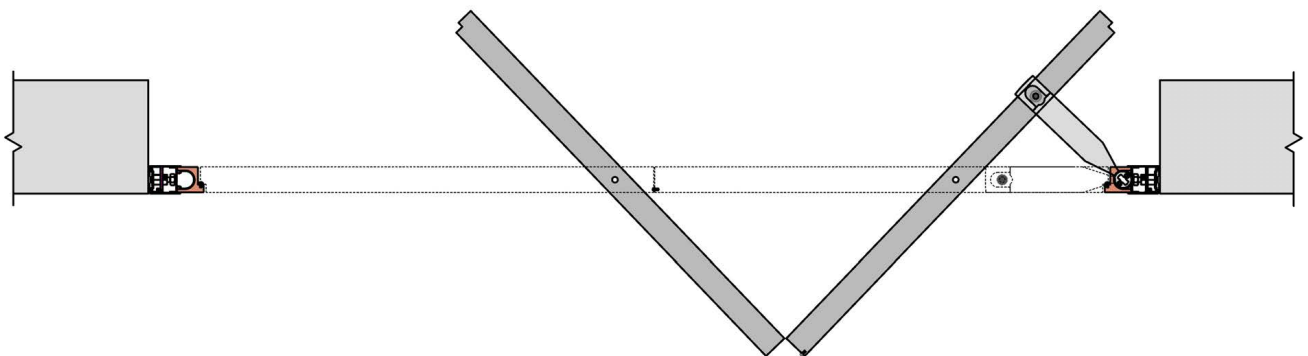
ERGON[®]

LIVING

FOLDING

TECHNICAL MANUAL - CONSTRUCTION

Swinging sliding Folding pivot door with adjustable external frame
Up to 6 door leaves



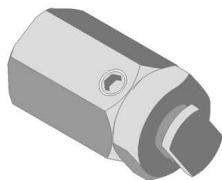
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INTRODUCTION

Ergon Living FOLDING is an evolution of the Ergon Living T.E. system, it allows the rototranslating movement of several door leaves connected to each other by moving only the outermost door leaf, it has no floor guides and the movement is fluid and stable.

The system features an aluminum frame equipped with special adjustments to ensure correct installation



Patent pending

TECHNICAL FEATURES:

- Door leaf thickness from 40 to 55 mm
- Single leaf weight limit: 70Kg
- Weight limit for folding door leaves: 50kg per door leaf
- Can be installed directly on the ceiling (see page 14) or on a false ceiling (see page 16)

DOWNLOAD ON www.celegon.it:



Measurement
calculator

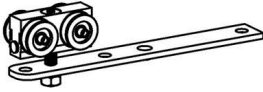
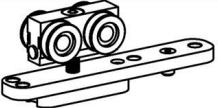
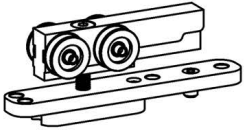
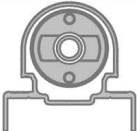
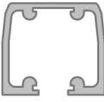
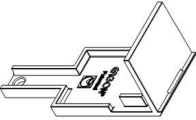


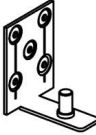
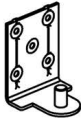
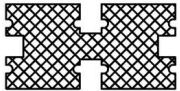
Ceiling installation
video

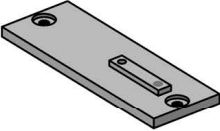
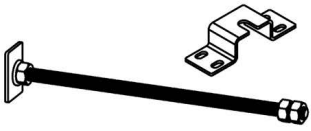
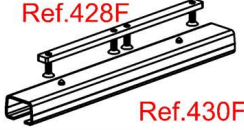
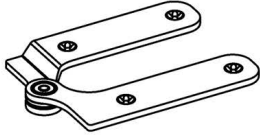
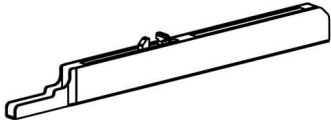
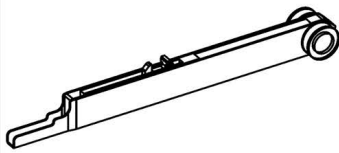


False ceiling
installation video

PARTS LIST

	Carriage for single door leaf Ref. 155S
	Carriage for 1^ folding door leaf Ref. 155F1
	Carriage for folding door leaves with adjustable plate Ref. 155F2
	Carriage for folding door leaves adjustable with plate and Soft Opening Ref. 155F3
	Upper and lower arm Ref. 185F
	Arm cap Ref. 186F
	Rod cover upright profile (with or without rod)
	External frame profile
	External frame profile cover
	Track profile Ref. 100F
	Track cover profile Ref. 145F
	Upper and lower arm plate Ref. 175.1
	Outer frame alignment plug Ref. 426F
	Clips for hooking the veil profile on external frame profile Ref. 397F
	Track cover fixing pin Ref. 250F

	Upper bracket Ref. 130F
	Lower bracket Ref. 195
	Hex screwdriver 2,5mm Ref. 280
	Double 3 mm hex key for Folding carriage adjustment Ref. 405F
	Special hex key 7mm for adjustable carriage Ref. 415F
	Sponge cleaner for track Ref. 420

ACCESSORIES	
	Push&Go EVO striker plate Ref. 393 See p. 27 Obligatory for equipments B,C,E,F,G,I,M
	False ceiling fixing system Ref. 422F; Ref.424F
	Components for external profile and track connection Ref.428F Ref.430F
	Folding hinge (optional)
	Soft Opening S1 single leaf (optional) Ref. 410S
	Soft Opening Plus with folding door bearings (optional) Ref. 410F

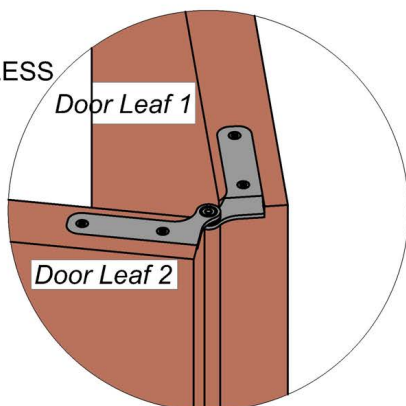
ACCESSORIES

FOLDING HINGES: assemblable and specially designed for the Folding system -

Item code:

C701000F1 BLACK

C721000F1 STAINLESS



BALLOON GASKET Ø6,8 mm: see pag. 21 "leaf processing specifications for gasket"

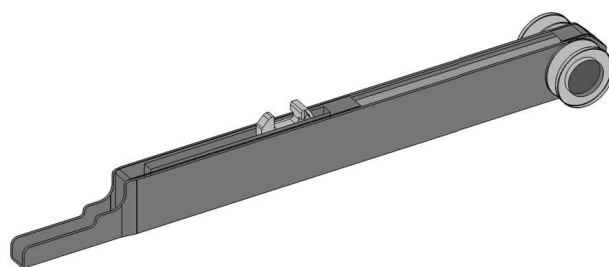
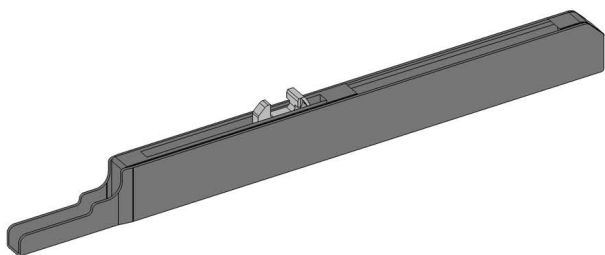
Item code:

GS680--- (see price list)

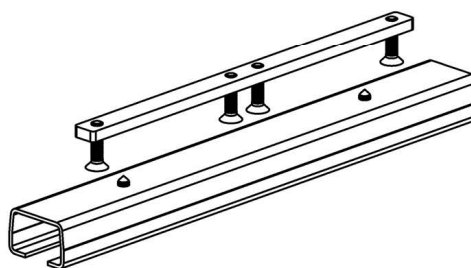


- SOFT OPENING S1: damper for single door leaf

- SOFT OPENING PLUS: damper for Folding door leaves



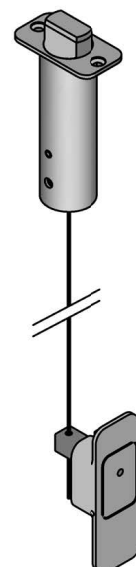
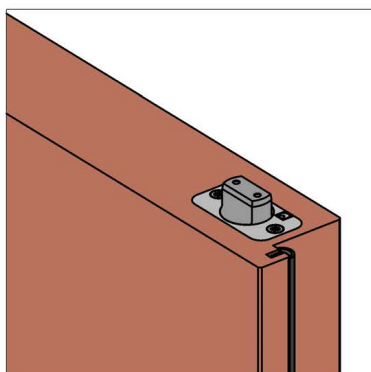
Horizontal external frame and track joint kit



Push&Go EVO: Quick release system for Folding door leaves

Item code Push:

4100-- (see price list)



EQUIPMENTS



Equipment "A"

Single folding opening with 2 door leaves
Wall Hole Width: Minimum 1245 - Max 2585



Equipment "B"

Double opening: single + folding with 2 door leaves
Wall Hole Width: Minimum 1910 - Max 3780



Equipment "C"

Double folding opening with 2 door leaves
Wall Hole Width: Minimum 2300 - Max 4980



Equipment "D"

Single folding opening with 3 door leaves
Wall Hole Width: Minimum 1990 - Max 3790



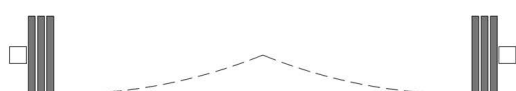
Equipment "E"

Double opening: single + folding with 3 door leaves
Wall Hole Width: Minimum 2530 - Max 4980



Equipment "F"

Double opening: folding with 2 doors + folding with 3 door leaves
Wall Hole Width: Minimum 2925 - Max 6185



Equipment "G"

Double opening: folding with 3 door leaves
Wall Hole Width: Minimum 3790 - Max 6550



Equipment "H"

Single folding opening with 4 door leaves
Wall Hole Width: Minimum 2310 - Max 4990



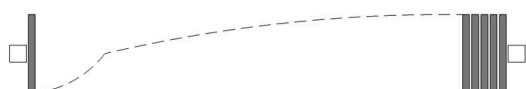
Equipment "I"

Double opening: single + folding with 4 door leaves
Wall Hole Width: Minimum 2975 - Max 6185



Equipment "L"

Single folding opening with 5 door leaves
Wall Hole Width: Minimum 3195 - Max 6195



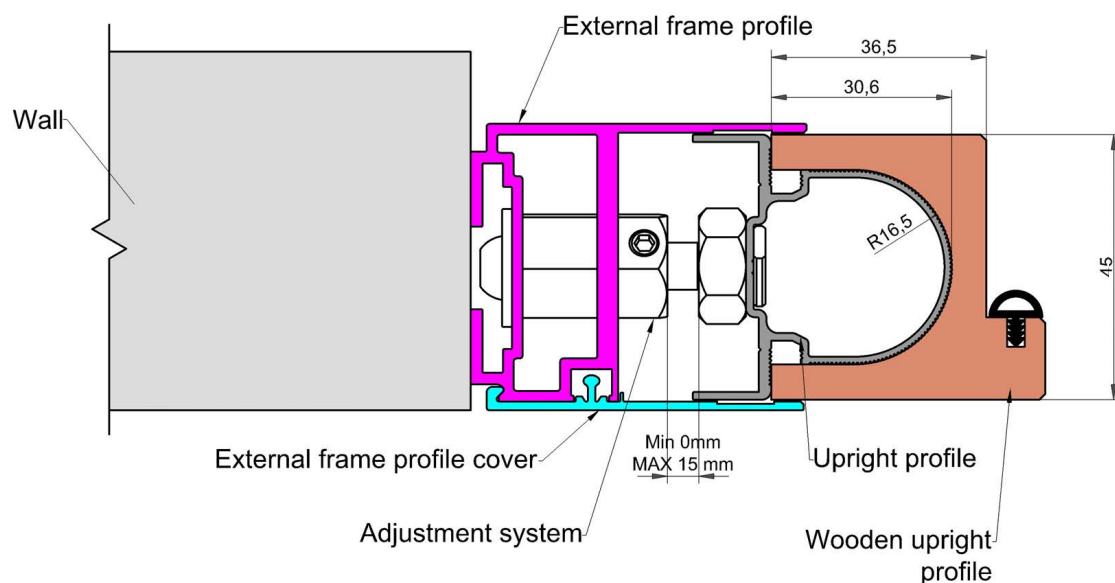
Equipment "M"

Double opening: single + folding with 5 door leaves
Wall Hole Width: Minimum 3660 - Max 6550

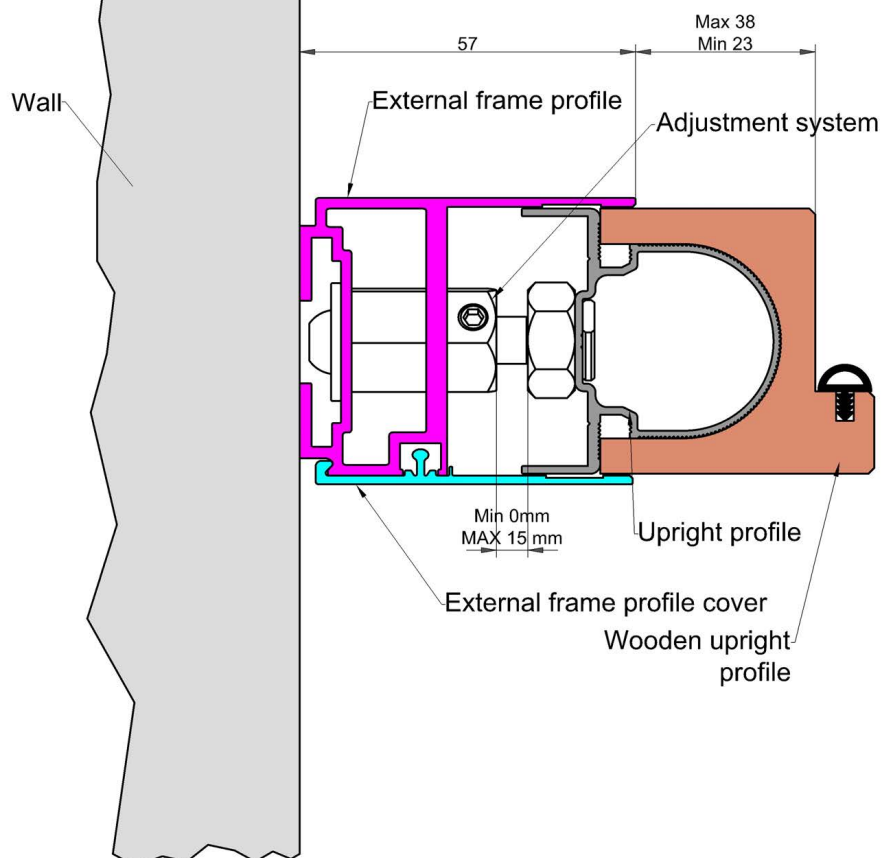
Use the calculator to get all the measurements you need
For other setups, ask Celegon S.r.l. for feasibility.

HORIZONTAL SECTIONS

Horizontal section applied to the stile



Horizontal section applied to the wall

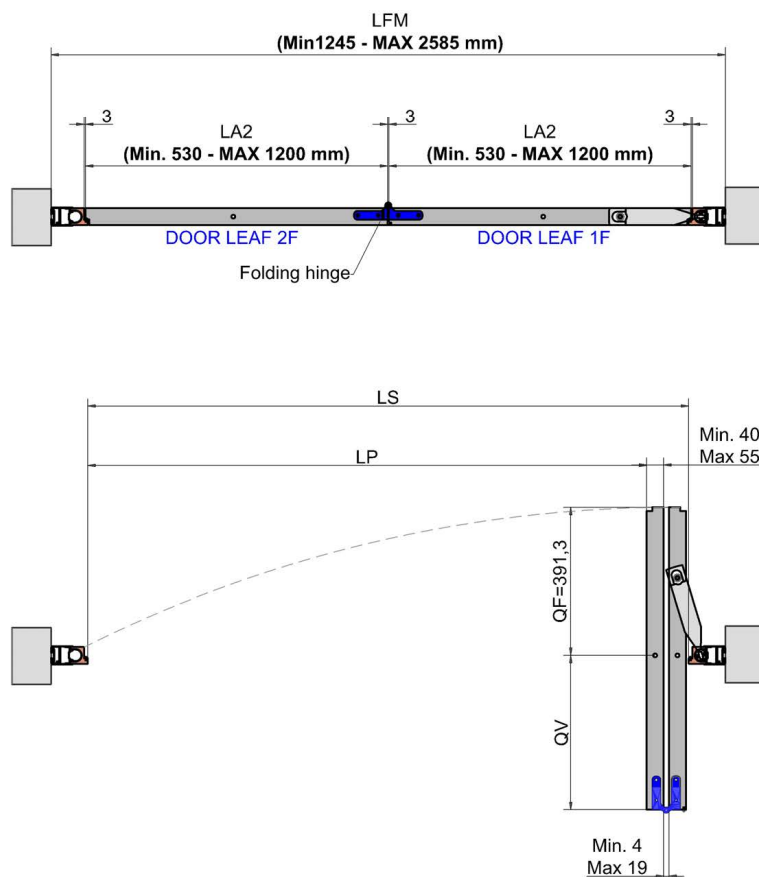


LEGEND FOR DIMENSIONAL DRAWINGS

- LFM** = WALL HOLE WIDTH
LP = PASSAGE DIMENSION
LPD = DOUBLE PASSAGE DIMENSION
LS = DOOR JAMB OPENING
LA1 = SINGLE DOOR WIDTH
LA2 = DOOR WIDTH WITH TWO CONSECUTIVE DOOR LEAVES
LA3 = DOOR WIDTH WITH THREE CONSECUTIVE DOOR LEAVES
LA4 = DOOR WIDTH WITH FOUR CONSECUTIVE DOOR LEAVES
LA5 = DOOR WIDTH WITH FIVE CONSECUTIVE DOOR LEAVES
QF = QC = FIXED DIMENSION ENCUMBRANCE ARM-SIDE = CARRIAGE DIMENSION (391,3)
QV = VARIABLE DIMENSION ENCUMBRANCE HANDLE-SIDE
HP = PASSAGE HEIGHT DIMENSION
HA = DOOR LEAF HEIGHT
HFM = WALL HOLE HEIGHT
HC = FALSE CEILING HEIGHT

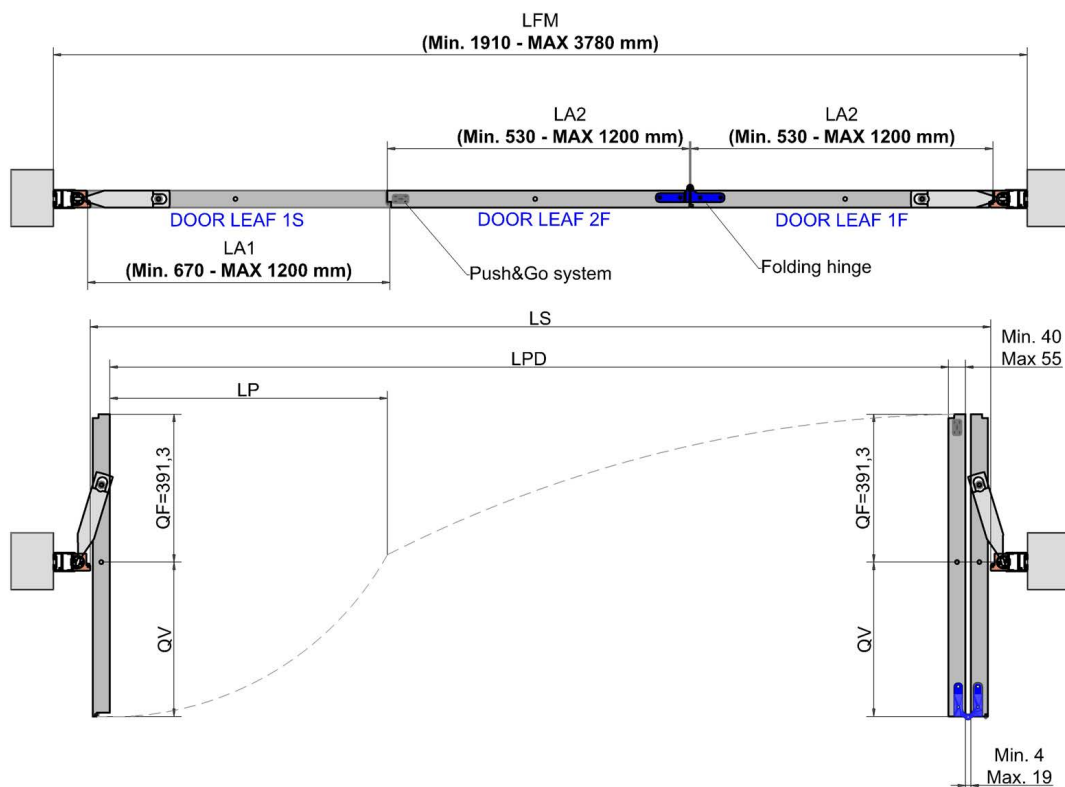
HORIZONTAL DIMENSIONAL DRAWINGS - EQUIPMENTS WITH 2 DOOR LEAVES

EQUIPMENT "A"

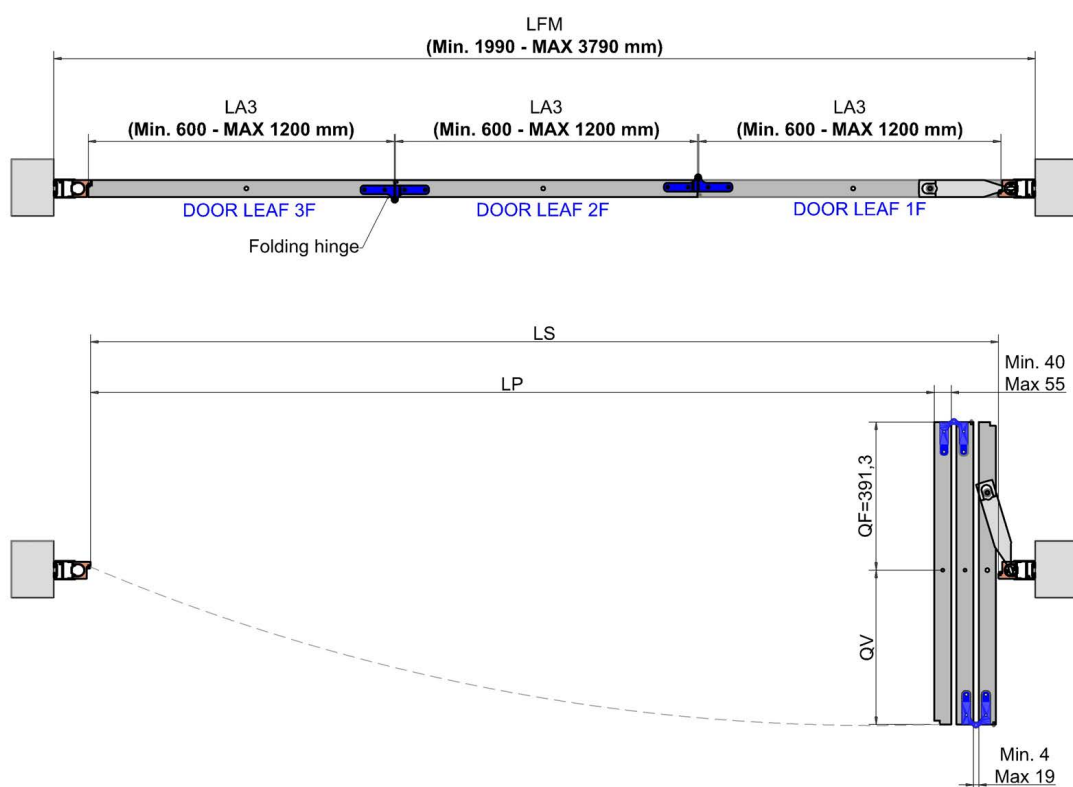


HORIZONTAL DIMENSIONAL DRAWINGS - EQUIPMENTS WITH 3 DOOR LEAVES

EQUIPMENT "B"

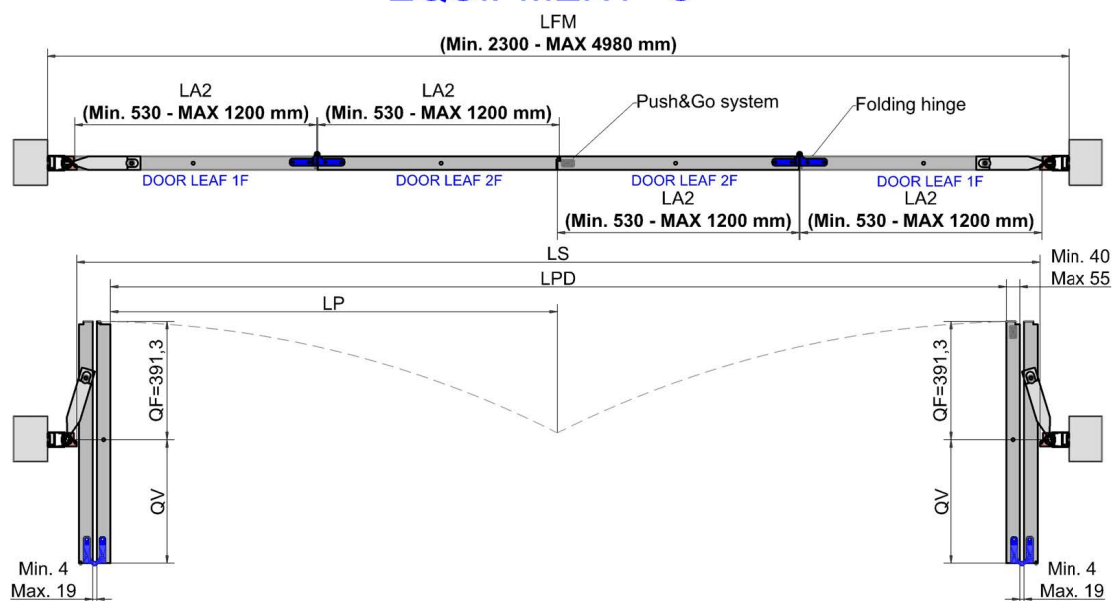


EQUIPMENT "D"

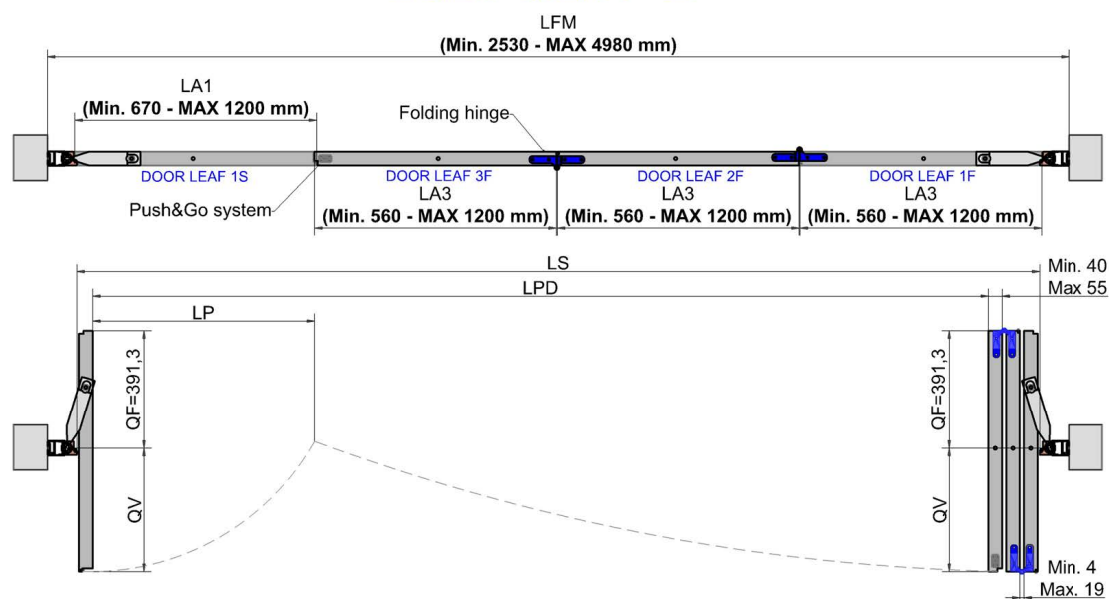


HORIZONTAL DIMENSIONAL DRAWINGS - EQUIPMENTS WITH 4 DOOR LEAVES

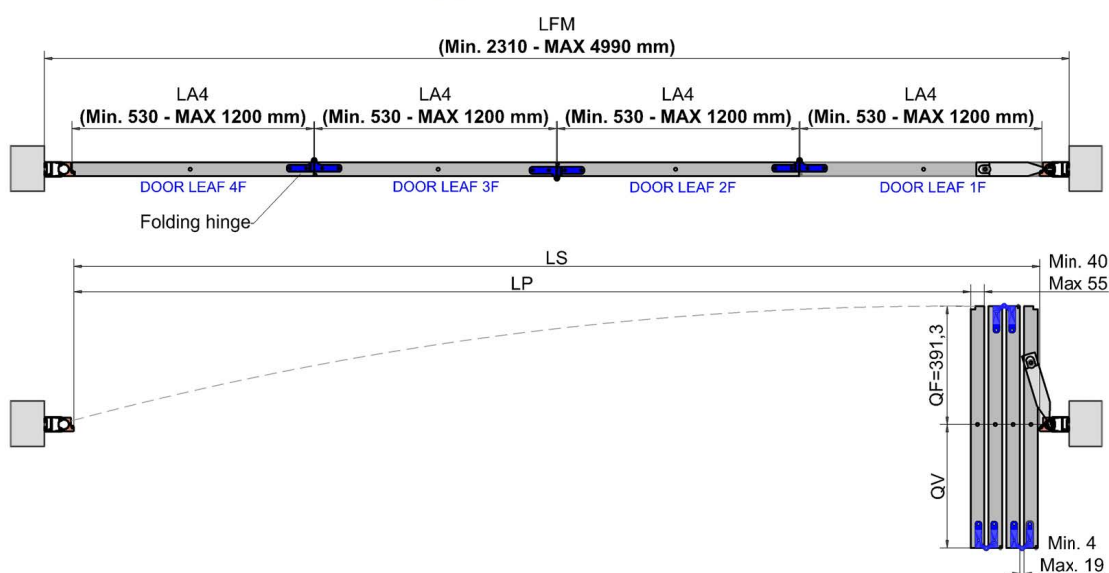
EQUIPMENT "C"



EQUIPMENT "E"

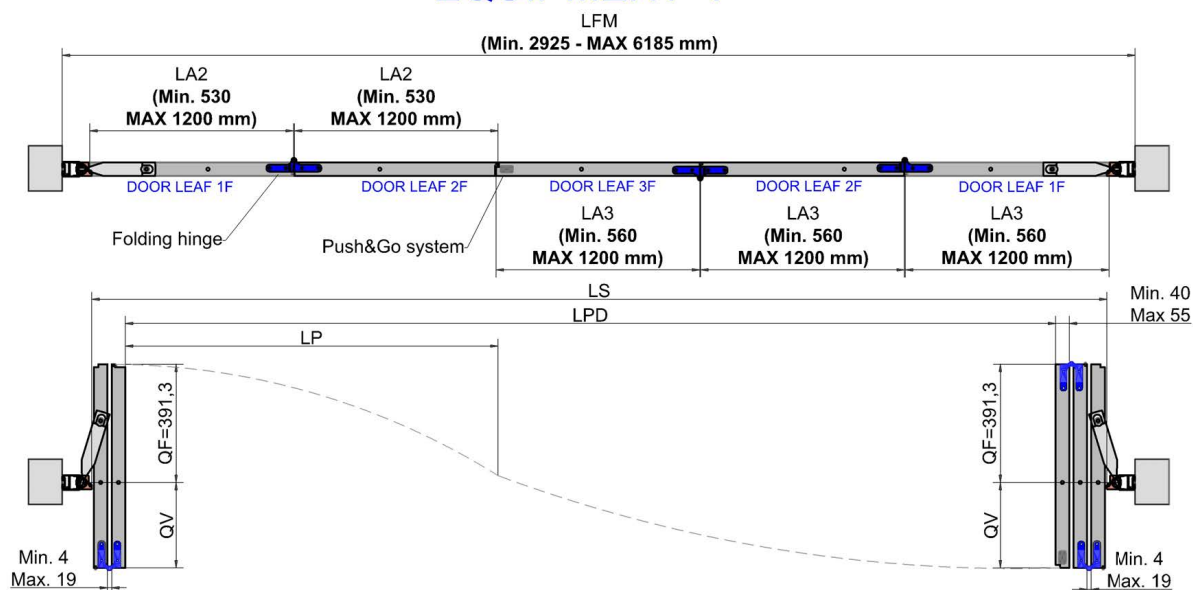


EQUIPMENT "H"

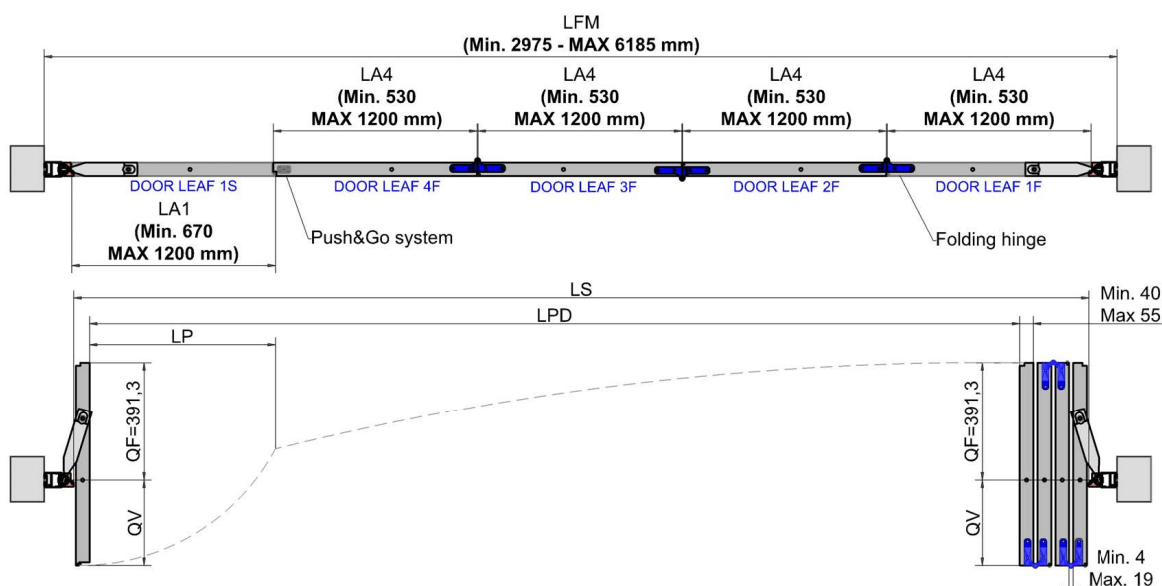


HORIZONTAL DIMENSIONAL DRAWINGS - EQUIPMENTS WITH 5 DOOR LEAVES

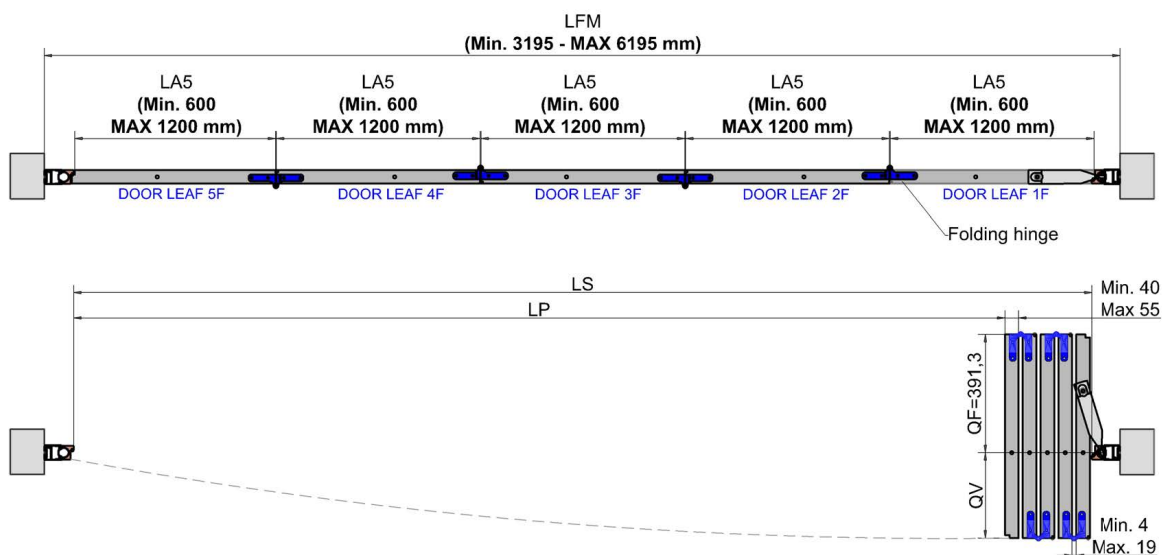
EQUIPMENT "F"



EQUIPMENT "I"

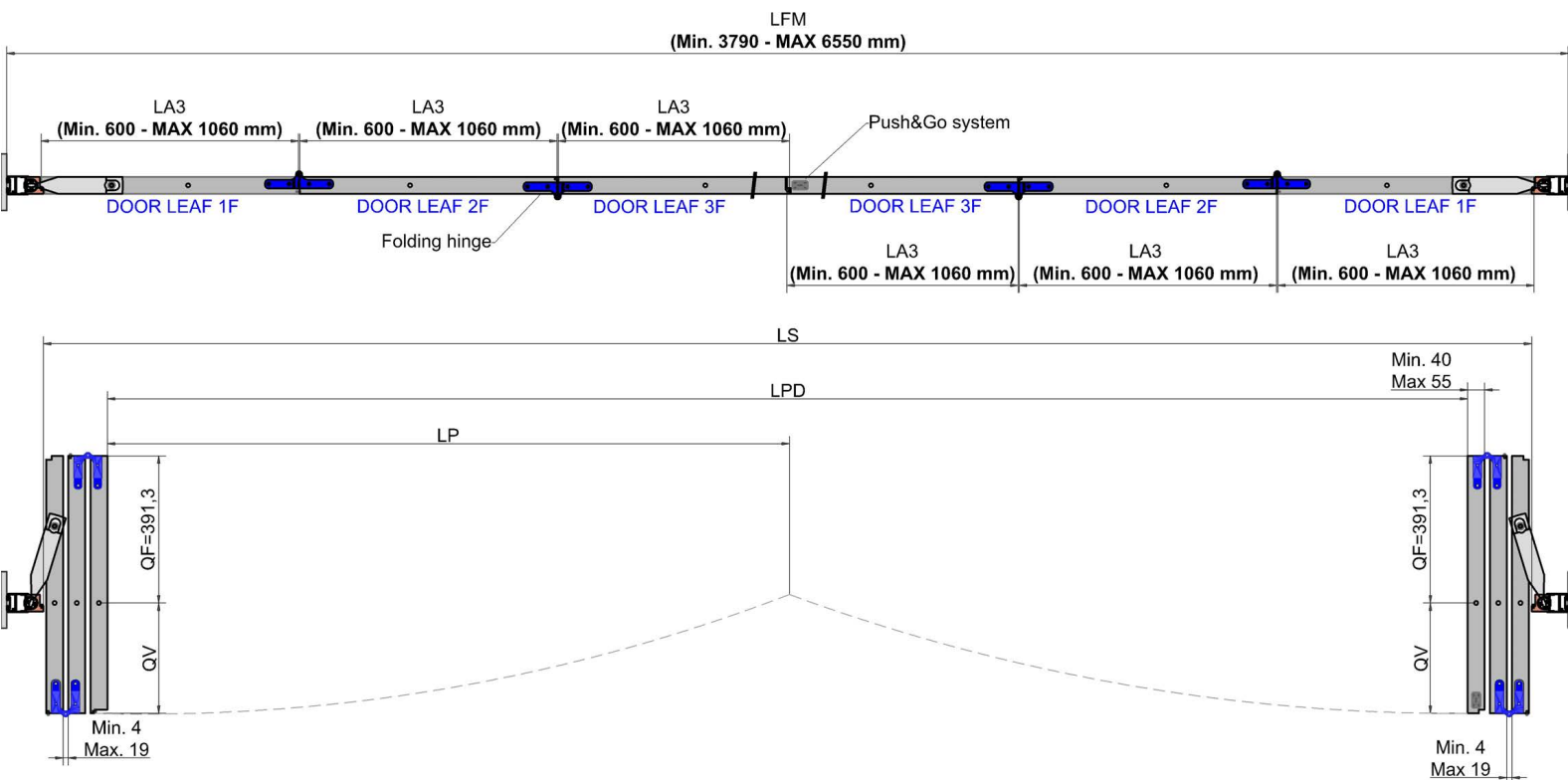


EQUIPMENT "L"

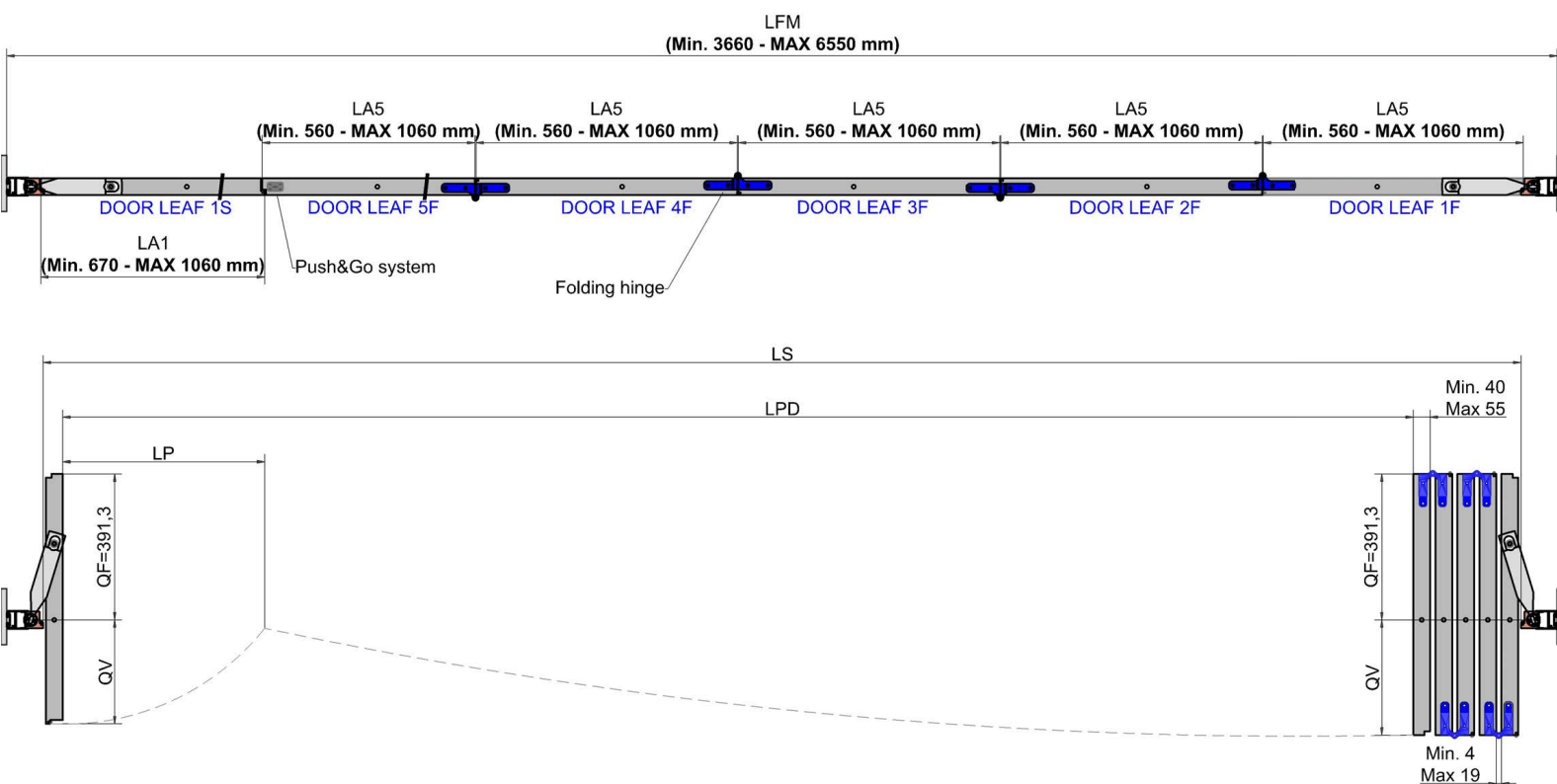


HORIZONTAL DIMENSIONAL DRAWINGS - EQUIPMENTS WITH 6 DOOR LEAVES

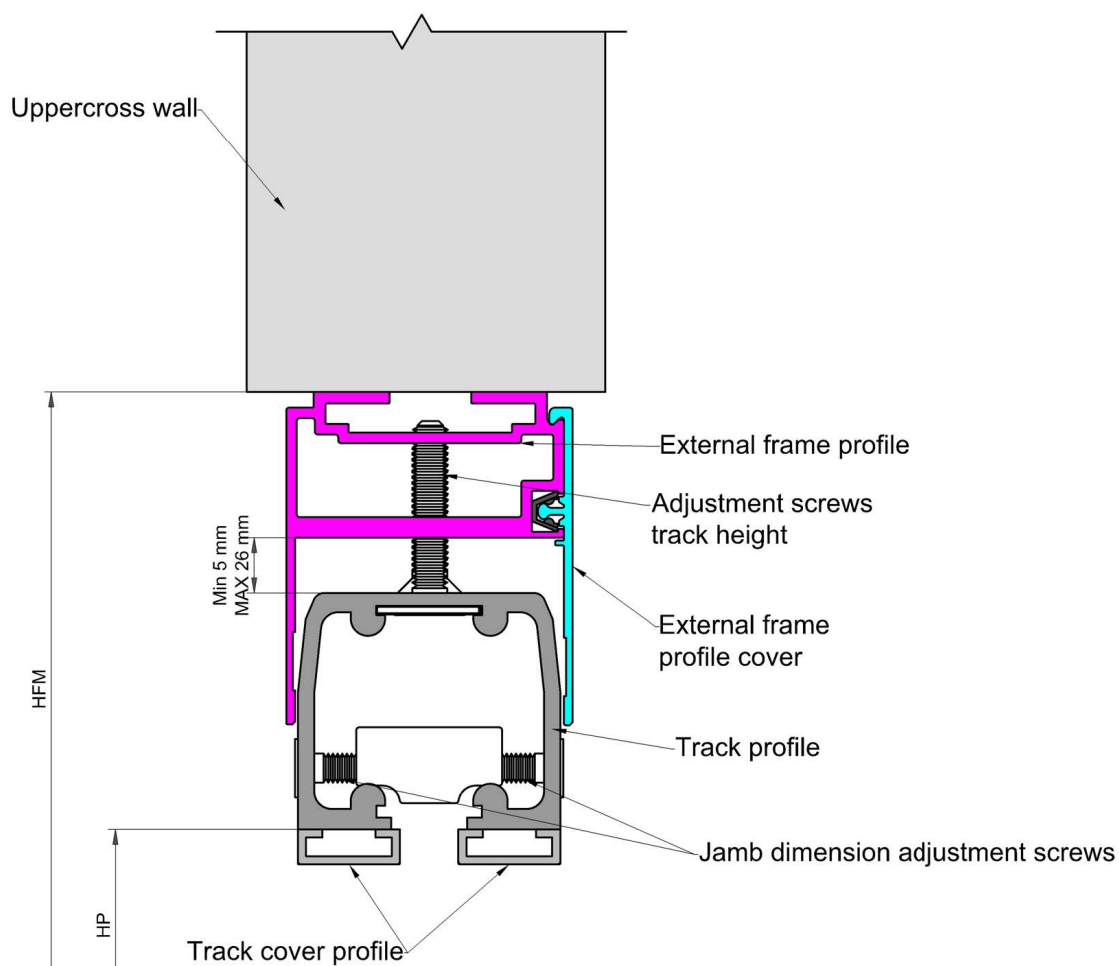
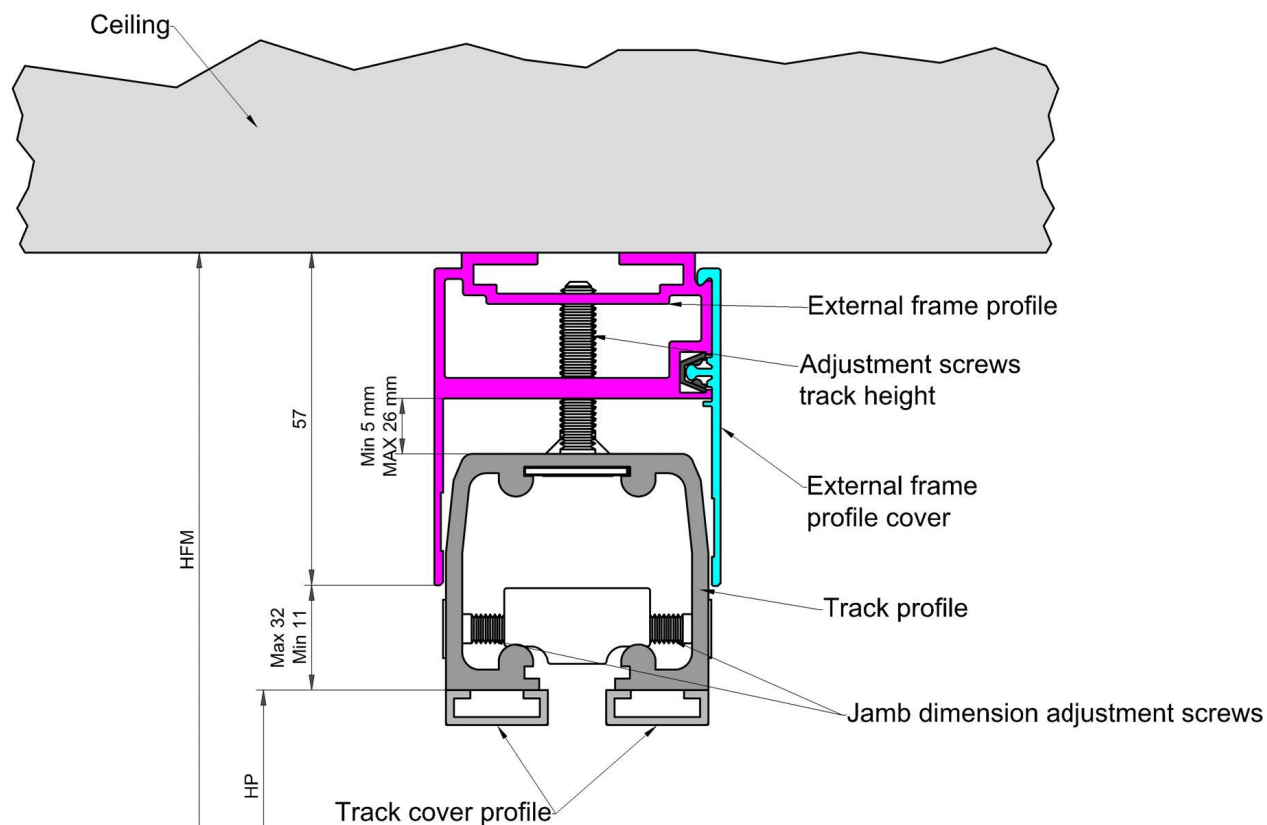
EQUIPMENT "G"



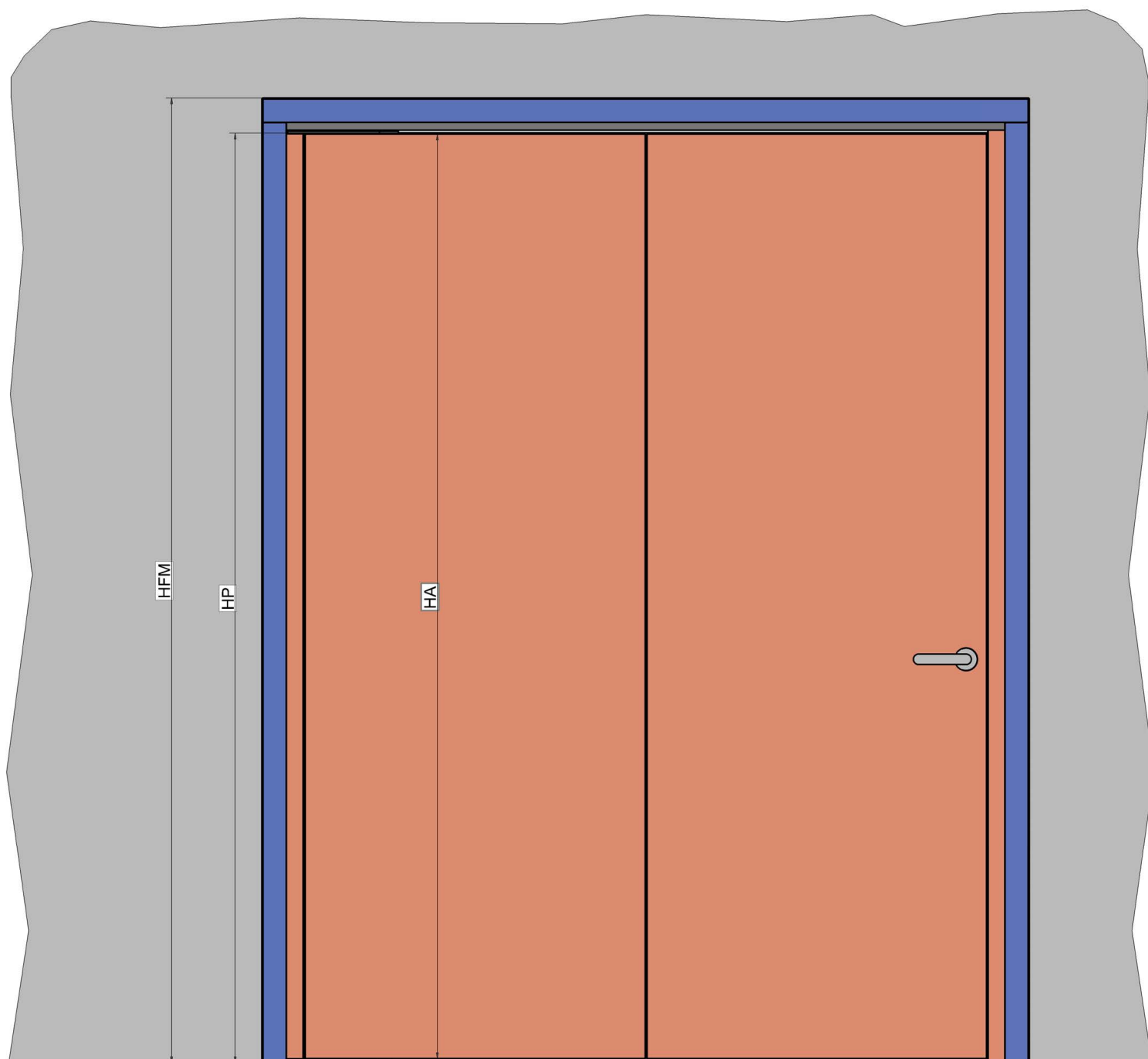
EQUIPMENT "M"



VERTICAL CEILING SECTIONS



VERTICAL DIMENSIONAL DRAWINGS ON THE CEILING



HP = HFM-75

HA = HFM-92

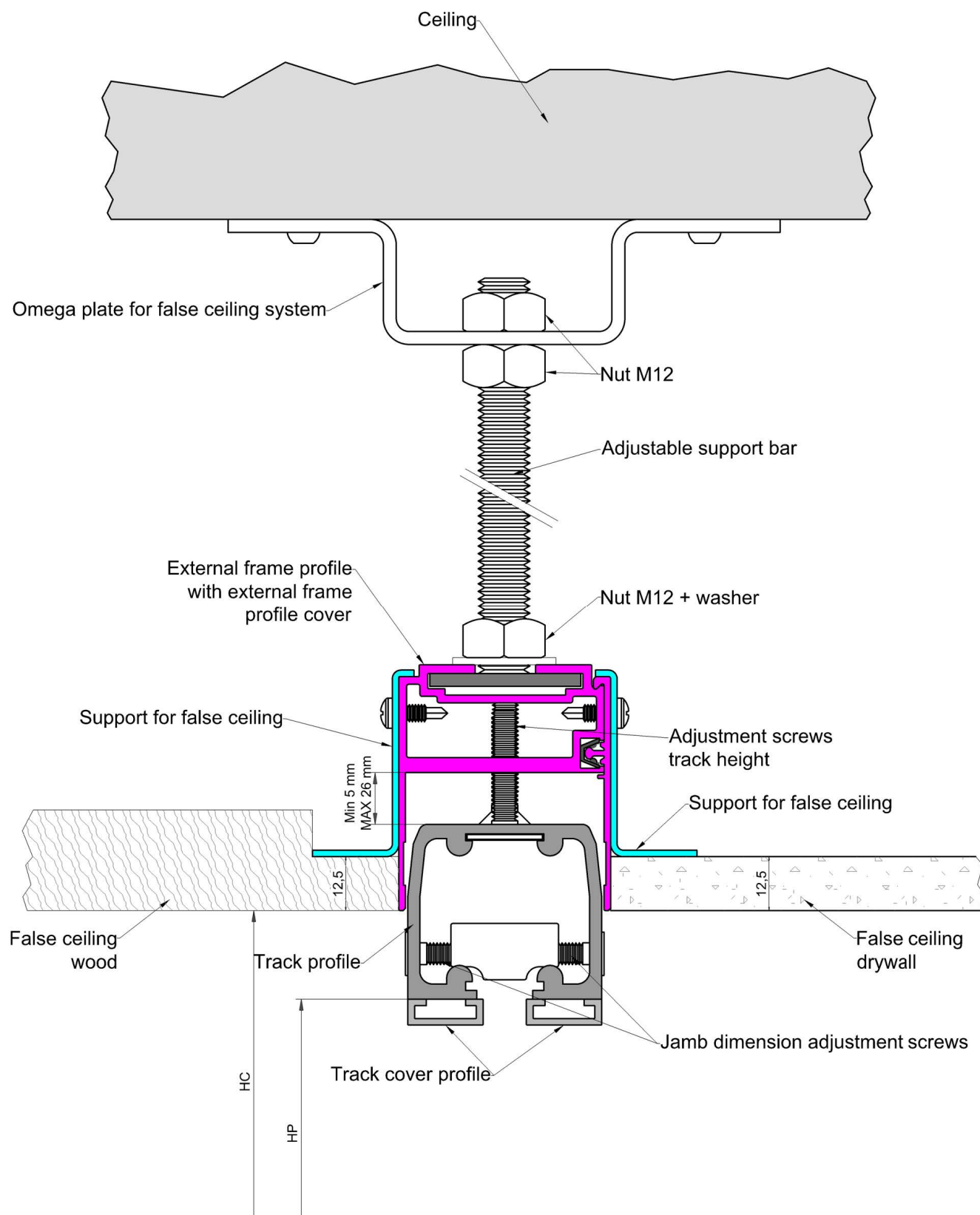
When ordering the rod kit, the wall opening size (HFM) must be provided. According to the communicated dimensions will be supplied a customised rod kit

Max size HFM 4092 mm

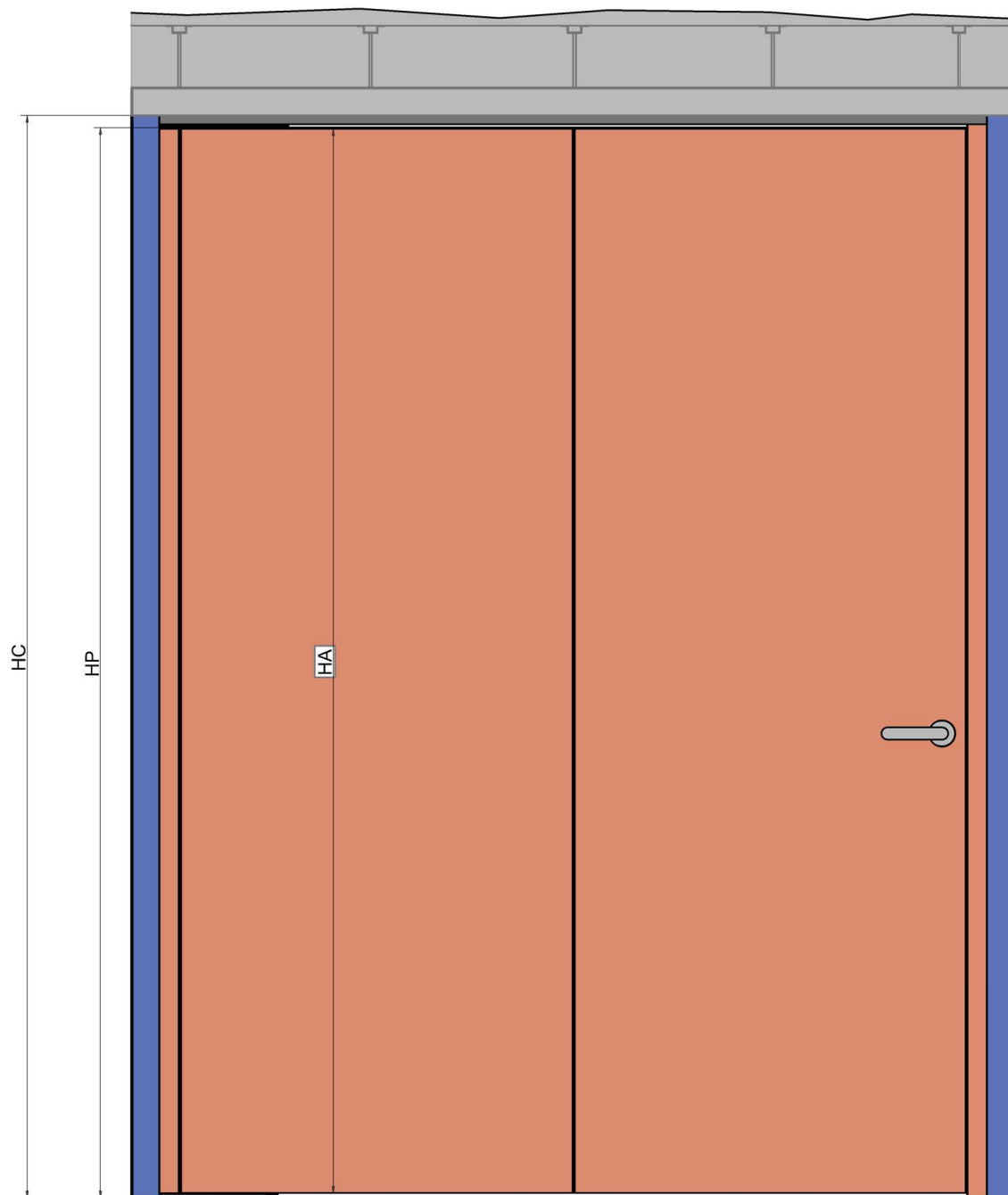
Max size HP 4017 mm

For larger sizes, ask Celegon S.r.l. for feasibility.

VERTICAL SECTION ON FALSE CEILING



VERTICAL DIMENSIONAL DRAWINGS ON THE FALSE CEILING



$$HP = HC - 18$$

$$HA = HC - 35$$

When ordering the rod kit, the measurement of the height of the false ceiling (HC) must be provided.

According to the communicated dimensions will be supplied a customised rod kit

Max size HC 4035 mm

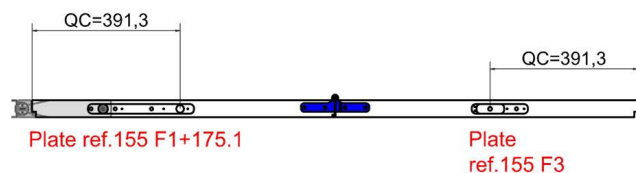
Max size HP 4017 mm

For larger sizes, ask Celegon S.r.l. for feasibility.

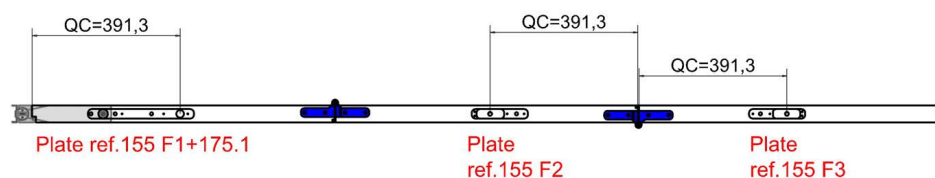
PROCESSING POSITION ACCORDING TO THE EQUIPMENTS "A; D; H; L"

Single openings: Folding

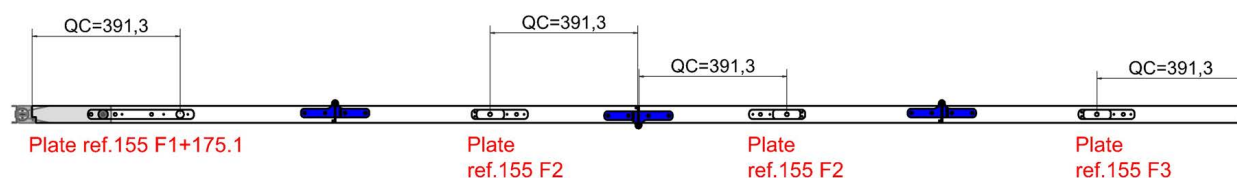
EQUIPMENT "A" - Folding with 2 door leaves



EQUIPMENT "D" - Folding with 3 door leaves



EQUIPMENT "H" - Folding with 4 door leaves



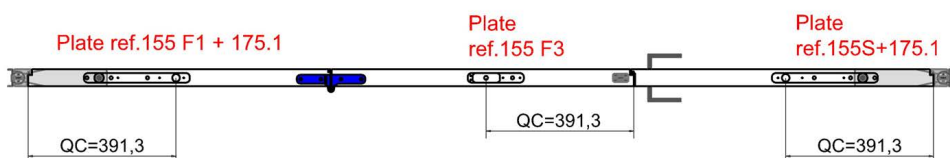
EQUIPMENT "L" - Folding with 5 door leaves



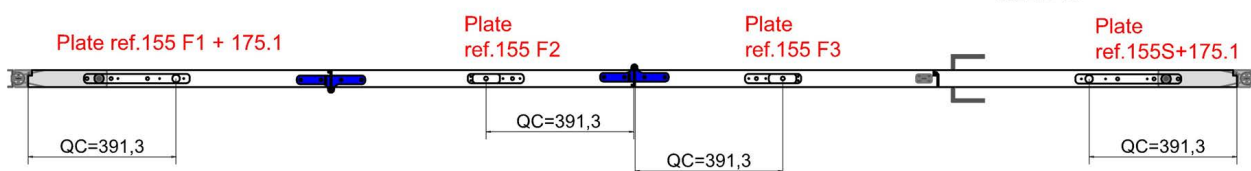
PROCESSING POSITION ACCORDING TO THE EQUIPMENTS "B; E; I; M"

Double openings: Folding + single

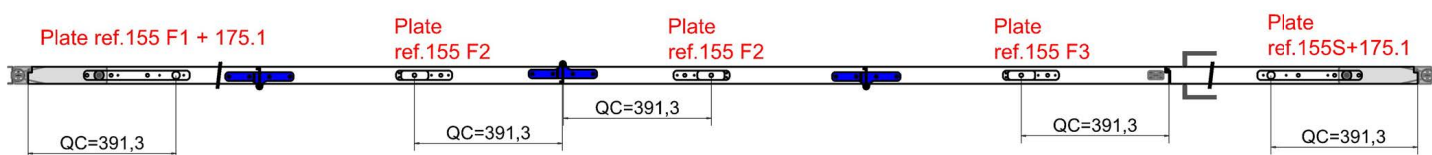
EQUIPMENT "B" - Single + folding with 2 door leaves



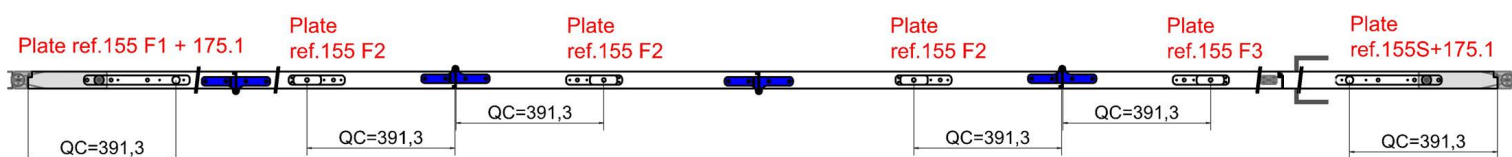
EQUIPMENT "E" - Single + folding with 3 door leaves



EQUIPMENT "I" - Single + folding with 4 door leaves



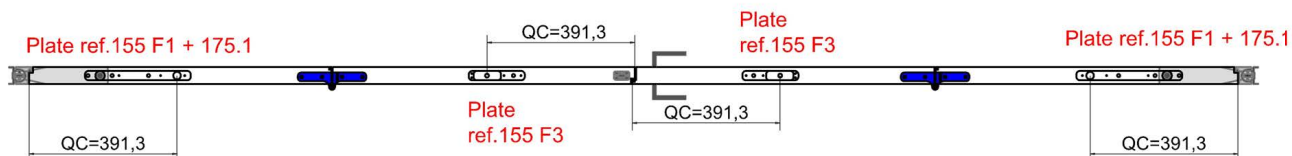
EQUIPMENT "M" - Single + folding with 5 door leaves



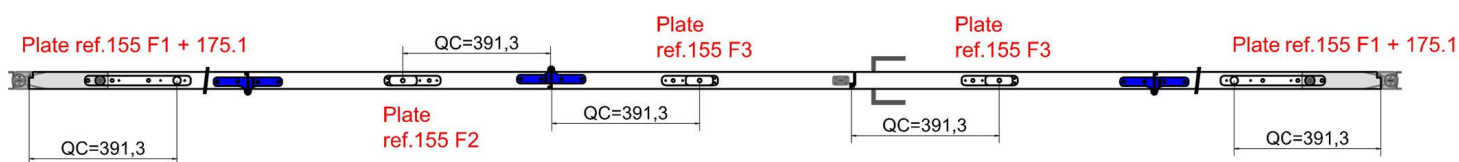
PROCESSING POSITION ACCORDING TO THE EQUIPMENTS "C; F; G"

Double openings: Folding

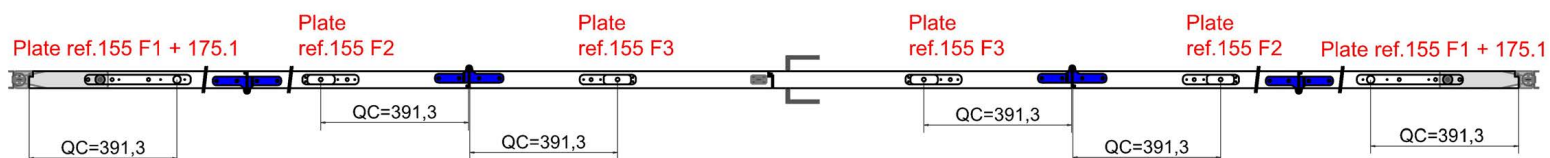
EQUIPMENT "C" - Folding with 2 door leaves + 2 door leaves



EQUIPMENT "F" - Folding with 3 door leaves + 2 door leaves

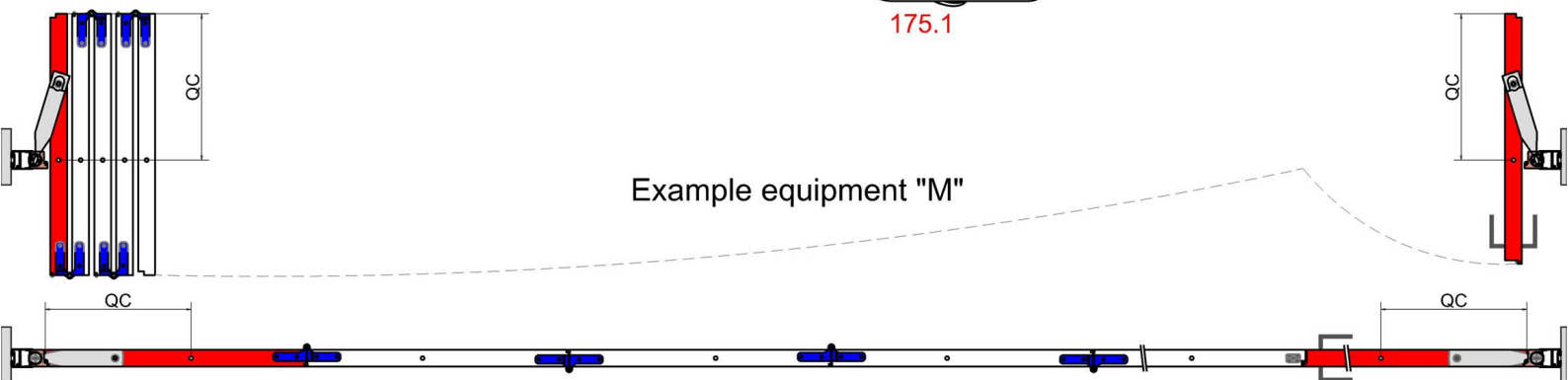
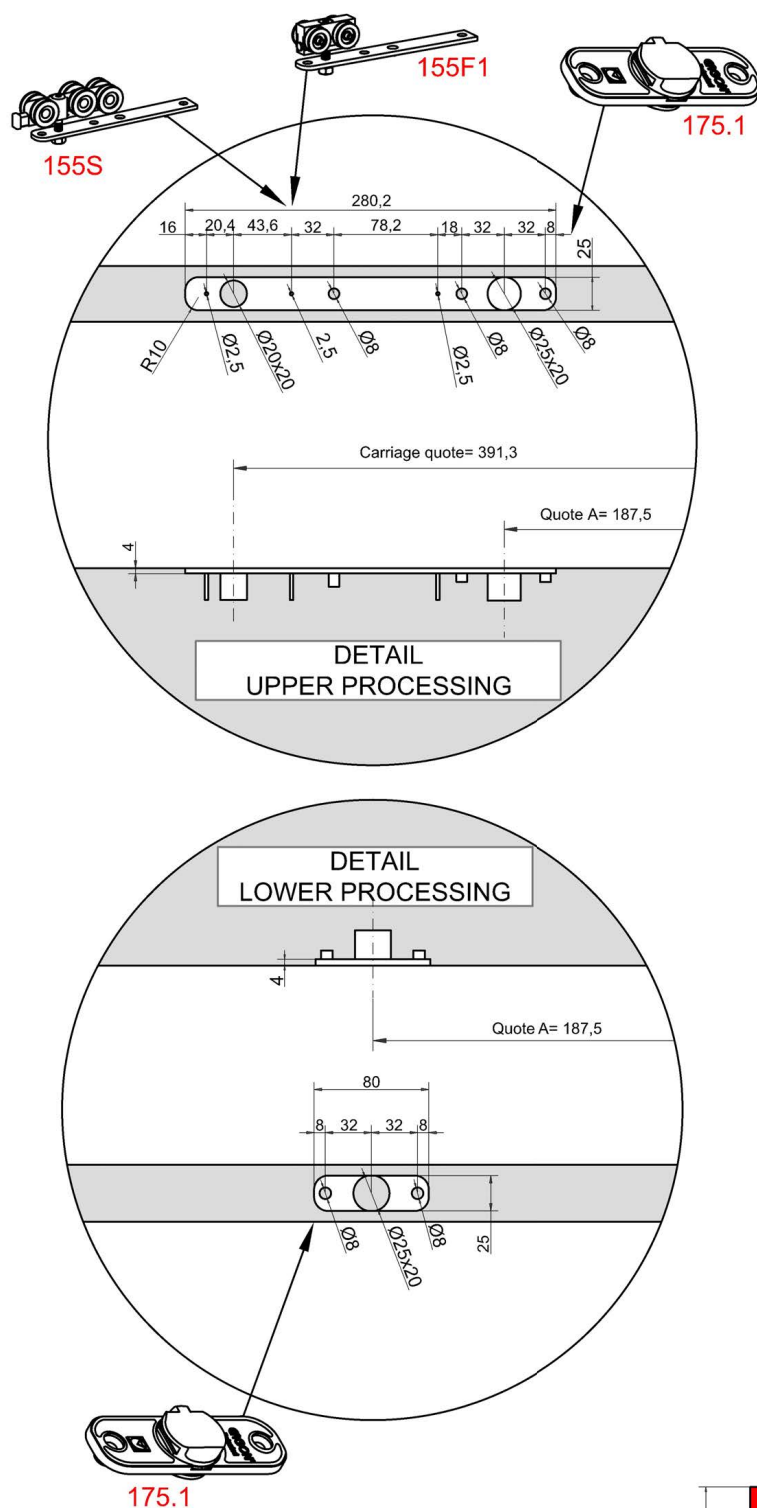


EQUIPMENT "G" - Folding with 3 door leaves + 3 door leaves

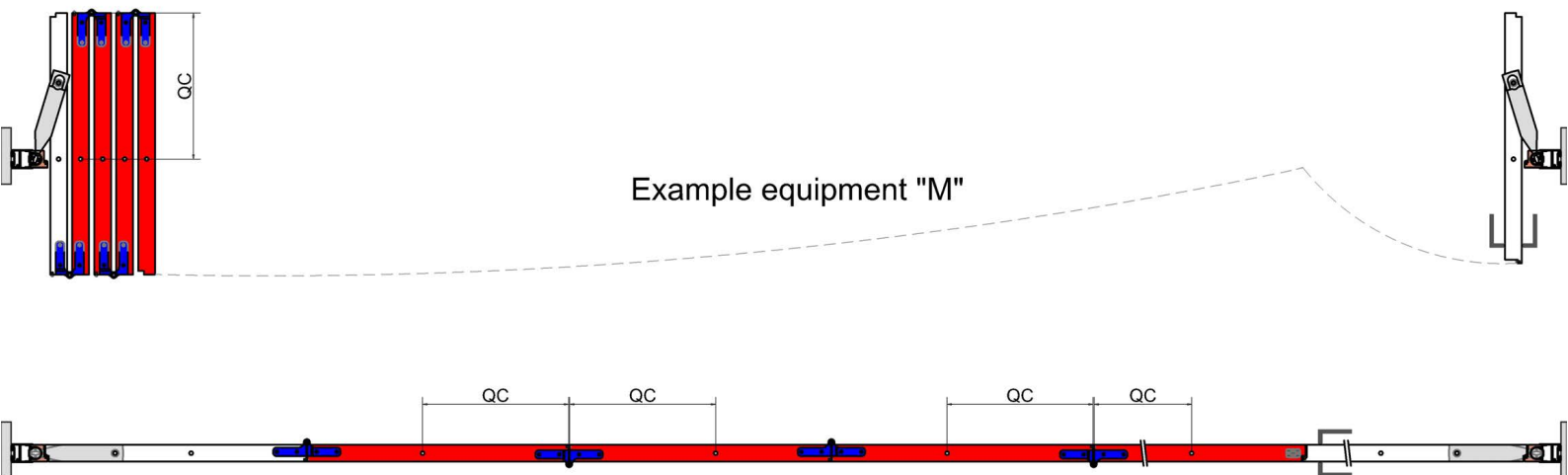
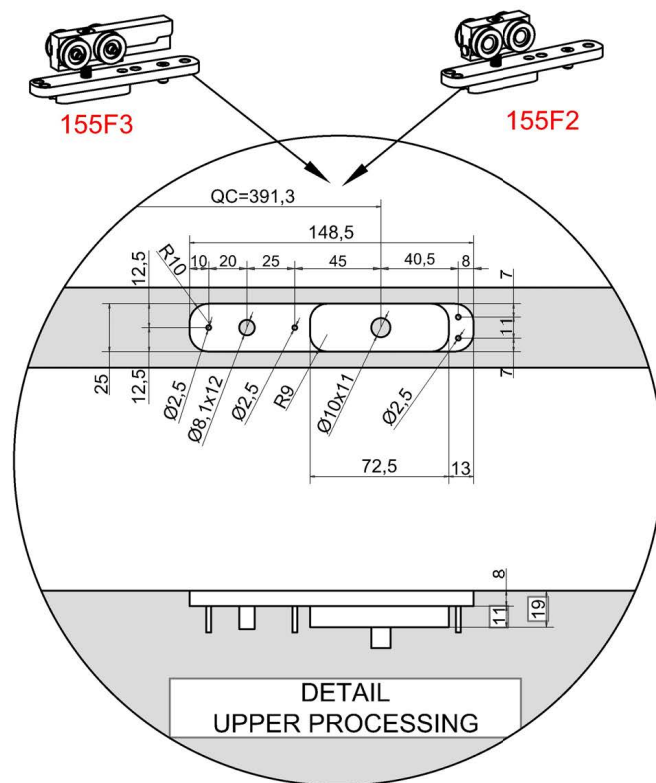
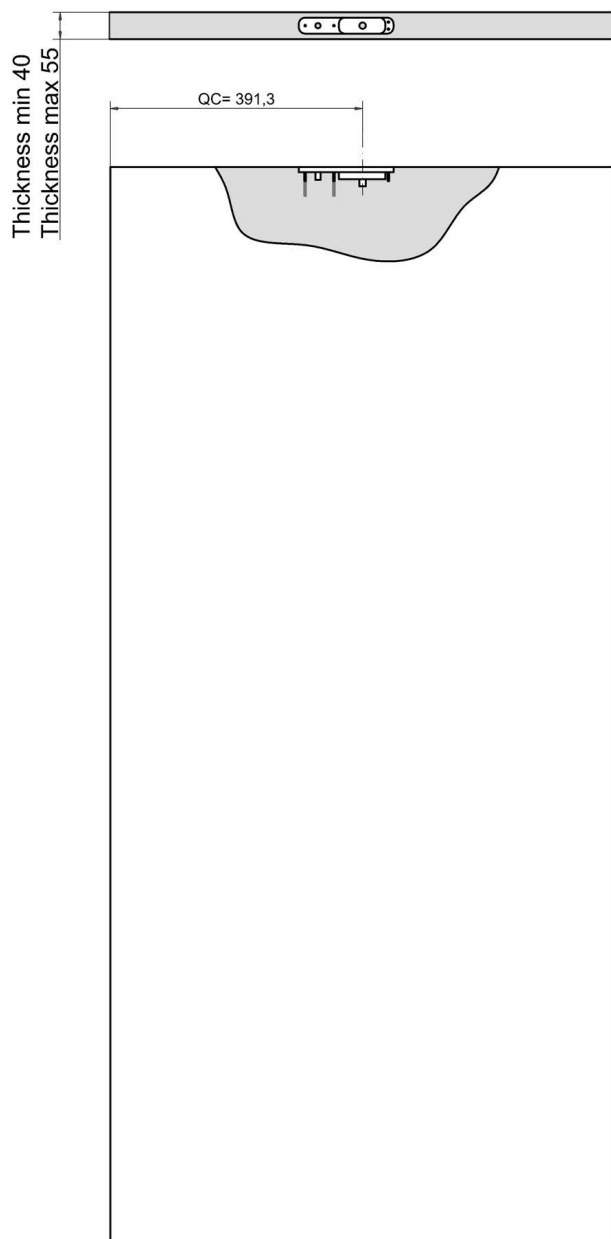


Technical drawing of a rectangular plate. The drawing includes the following elements:

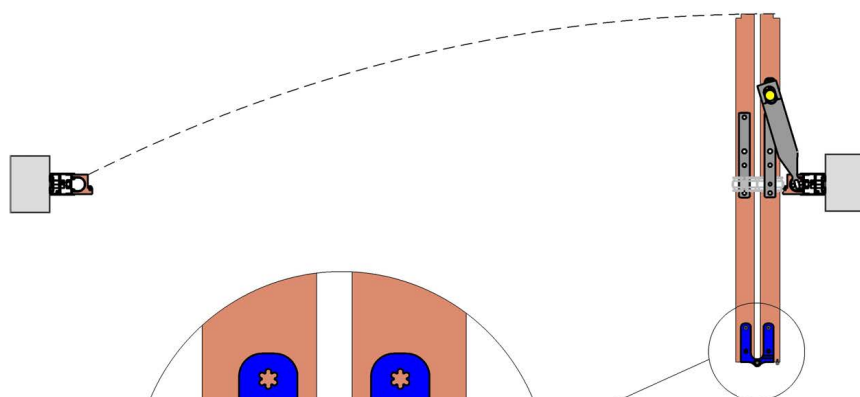
- Dimensions:**
 - Top edge: Thickness min 40, Thickness max 55.
 - Right edge: QC= 391,3 and Quote A= 187,5.
 - Bottom edge: Quote A= 187,5.
- Labels:**
 - plate 175.1 (pointing to the top edge).
 - plate 175.1 (pointing to the bottom edge).
- Features:**
 - Four circular holes are located along the top edge.
 - Four circular holes are located along the bottom edge.
 - A central rectangular feature is located on the top edge.
 - A central rectangular feature is located on the bottom edge.



155F2 and 155F3 PLATE PROCESSING SPECIFICATIONS

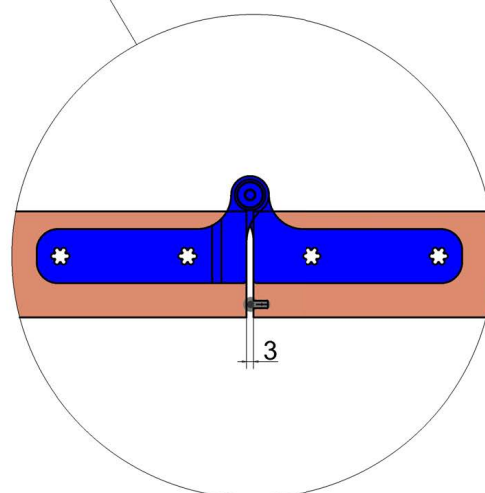
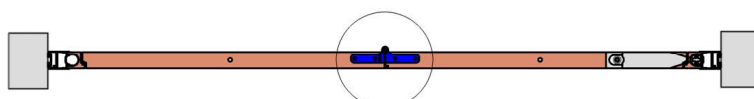
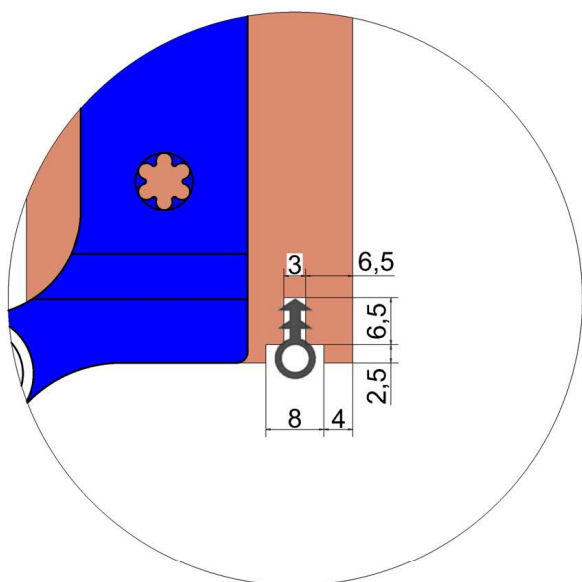


DOOR LEAF PROCESSING SPECIFICATIONS FOR THE GASKET

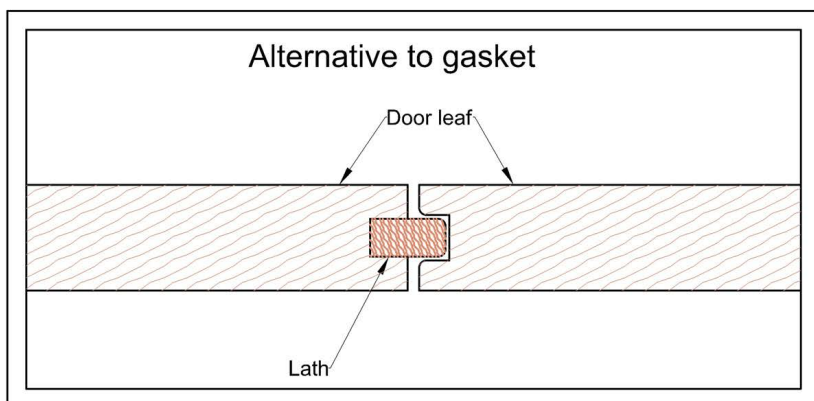


Item code gasket Roverplastik A 109 S 68

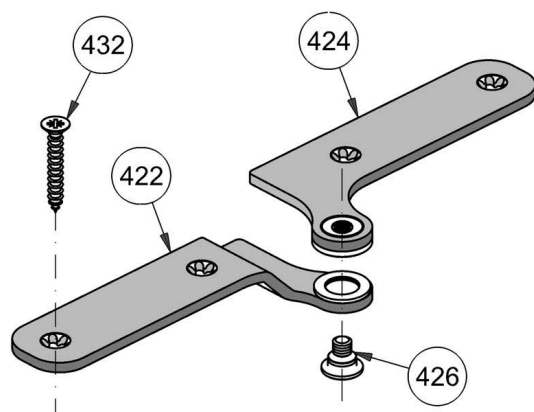
Detail on the door leaf processing



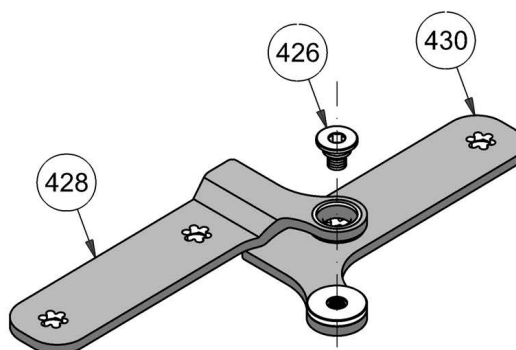
Alternative to gasket



EXPLODED VIEW OF HINGES KIT

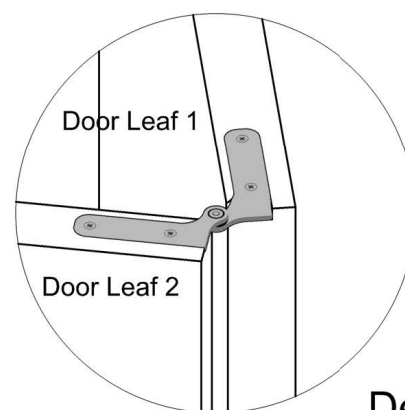
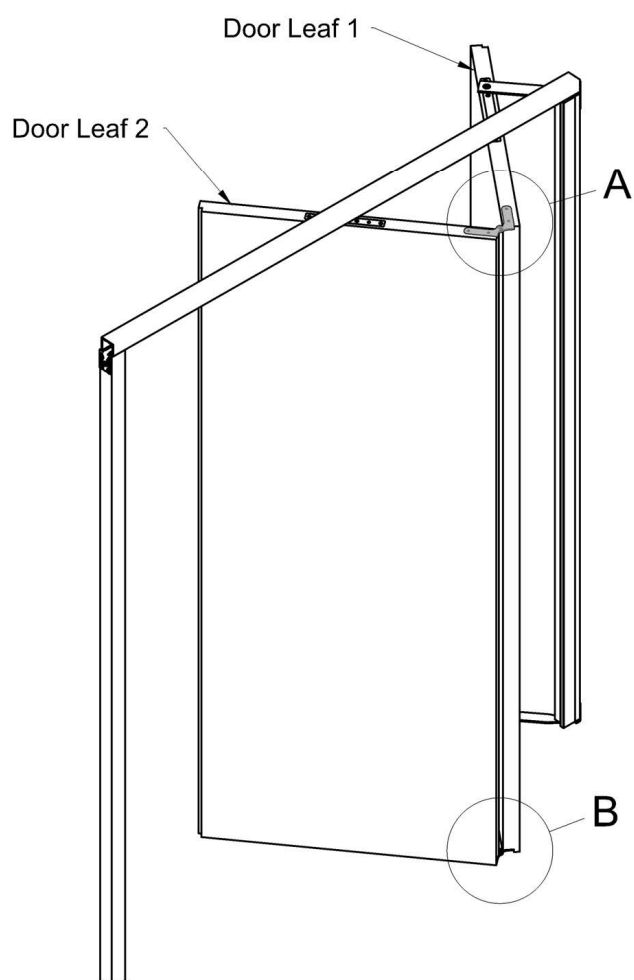


Hinge Right

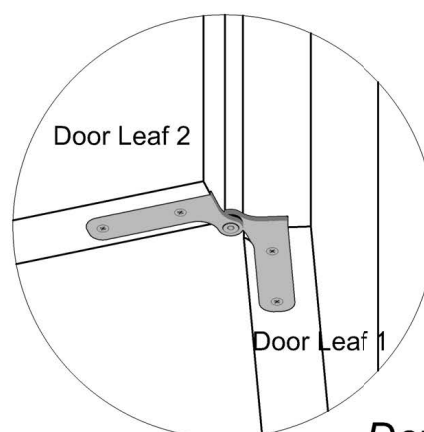


Hinge Left

Parts		
Ref.	Q.ty	Description
422	1	Right hinge curved element
424	1	Right hinge flat element
426	2	Elements union screw M5
428	1	Left hinge curved element
430	1	Left hinge flat element
432	8	Screw for wood TSPtorx Ø4x30

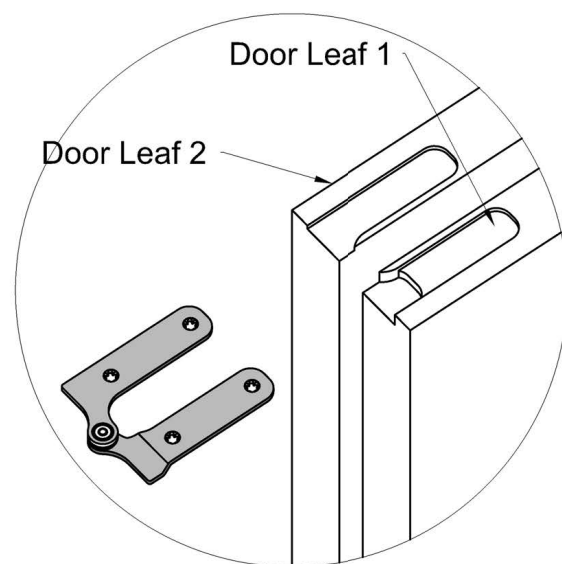
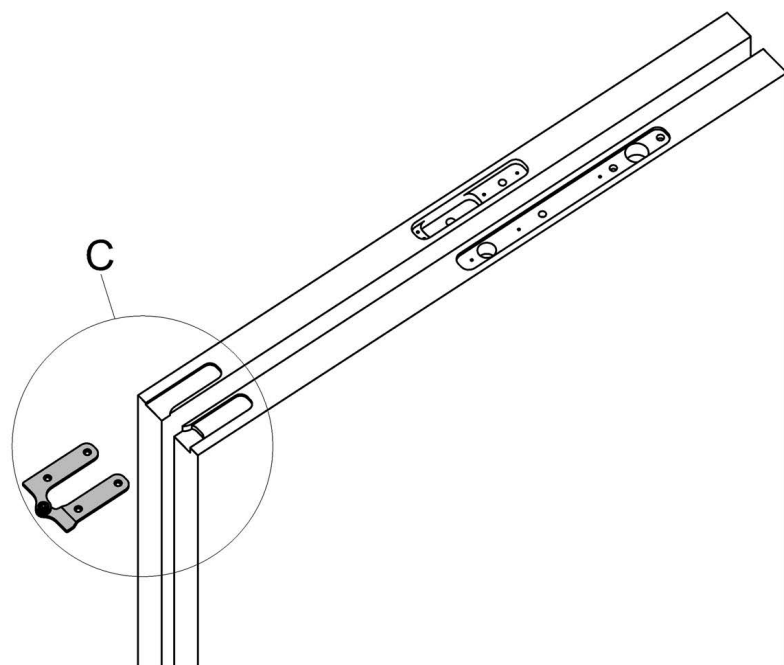


Detail A

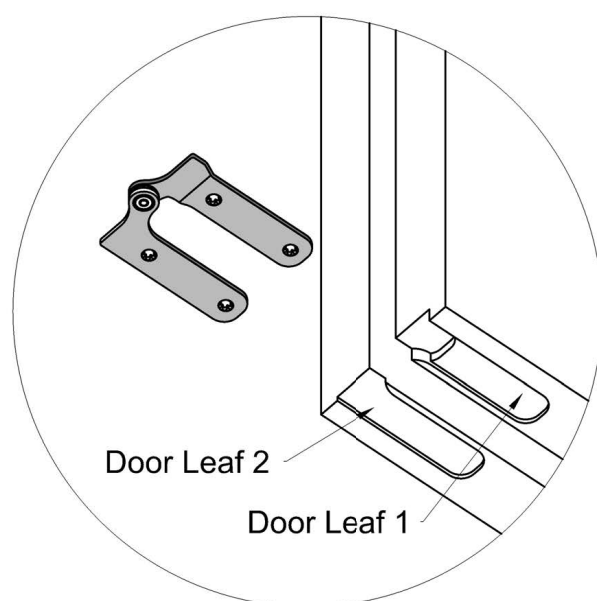
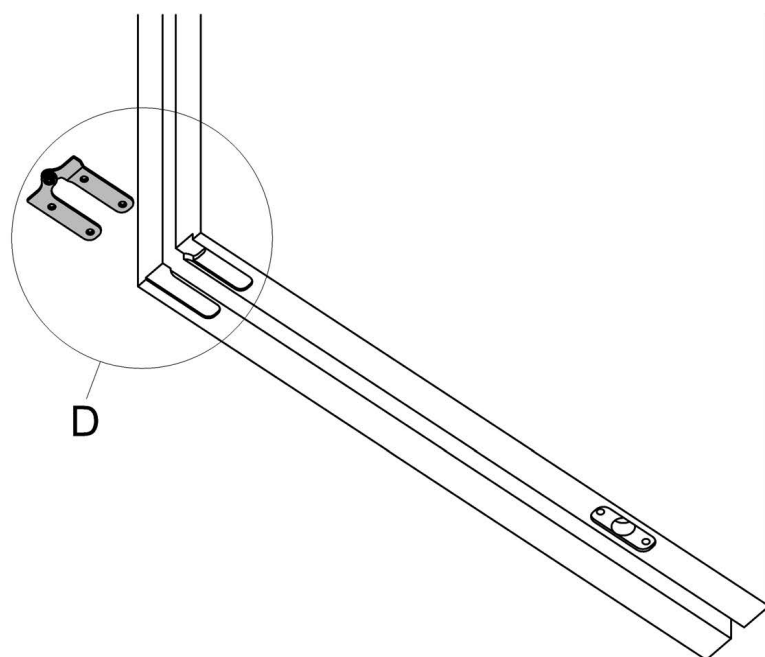


Detail B

POSITIONING HINGES

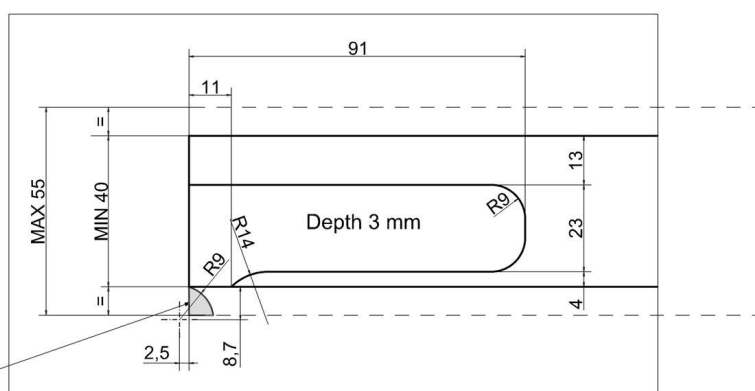


Detail C



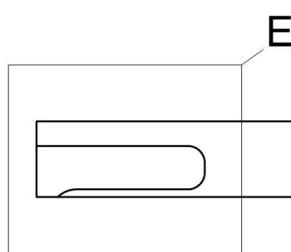
Detail D

DOOR LEAVES PROCESSING

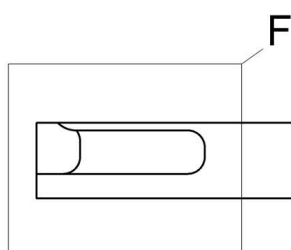


Milling to be done on door thicknesses bigger than 40 mm
Total depth 9 mm

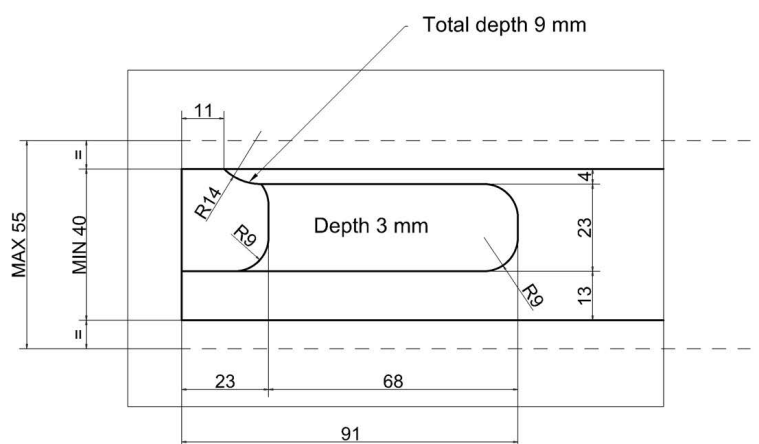
Detail E



Door Leaf 2



Door Leaf 1

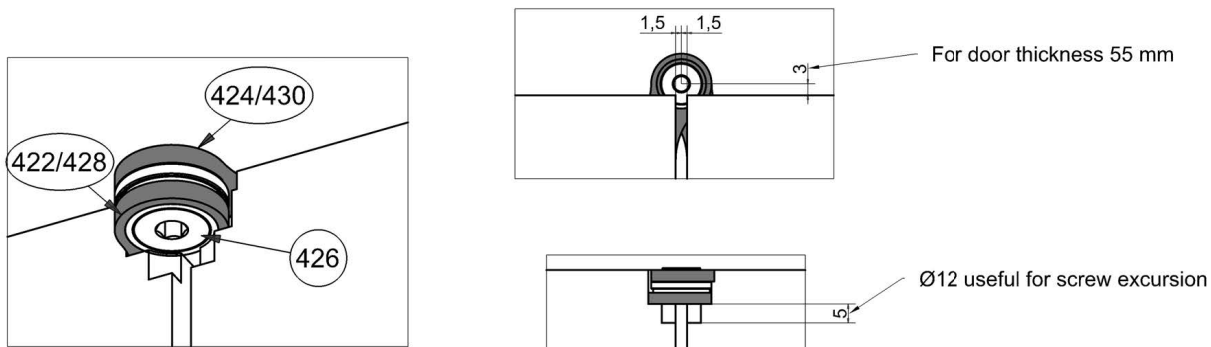


Total depth 9 mm

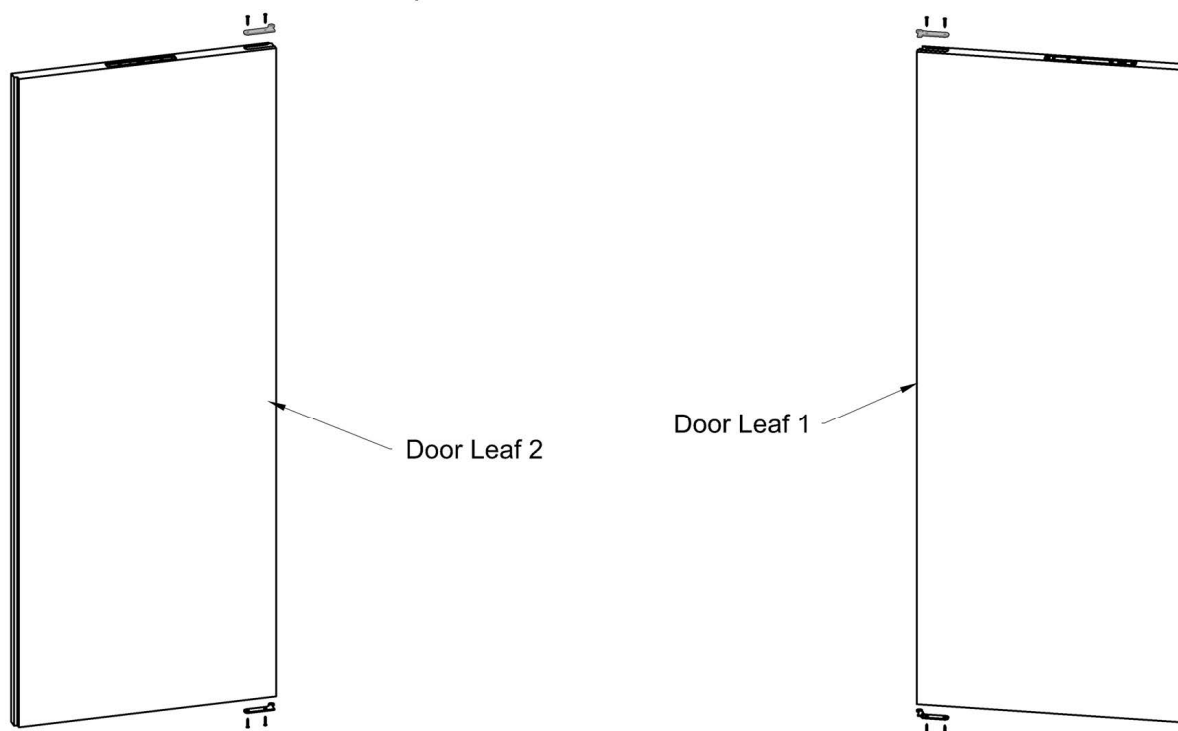
Detail F

HINGES ASSEMBLY

For door leaves with a thickness bigger than 50 mm, a processing must be carried out as shown in the drawing below, which is useful for inserting the screw (426)



Separate the hinge by completely unscrewing the joining screw (426), fix the single elements on the top and on the bottom of the door leaves



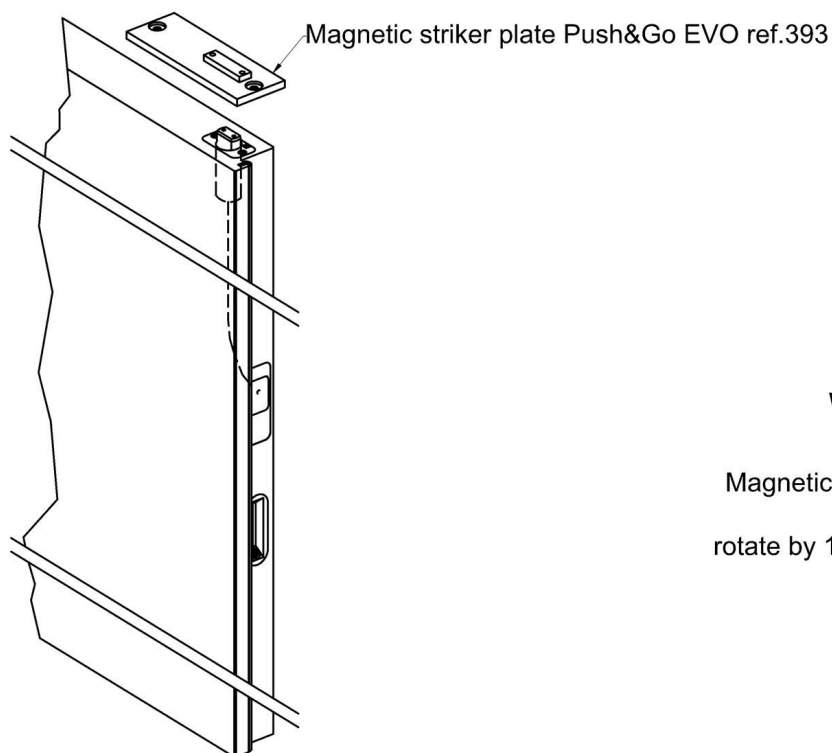
After hanging the doors on the track, put the doors together and join them using the joining screw (426), making sure that the brass bearing and the plastic washer are present



FOLDING DOOR LEAF LOCKING OPTIONS

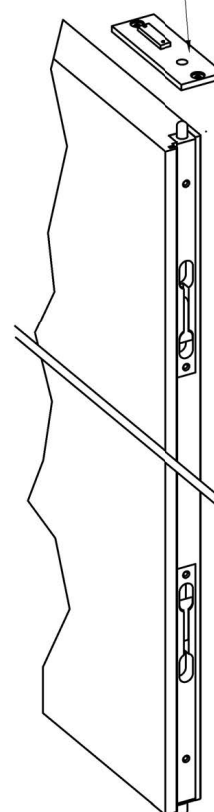
Obligatory for equipments B,C,E,F,G,I,M

Push&Go EVO (advised)

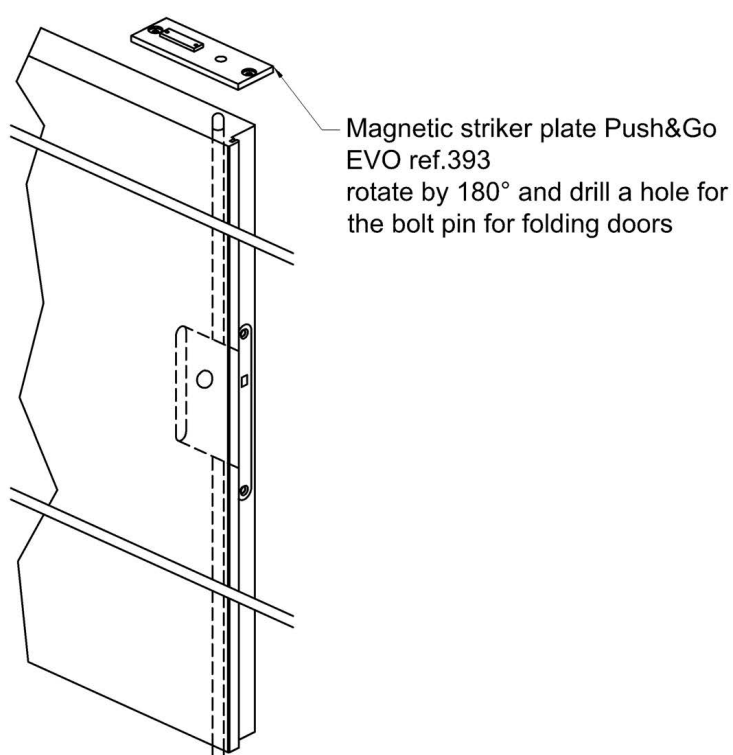


WITH BOLT

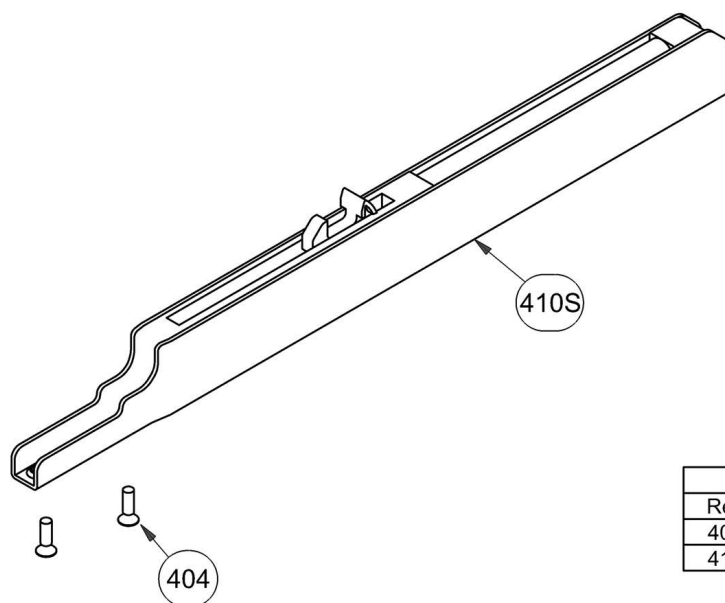
Magnetic striker plate Push&Go EVO ref.393
rotate by 180° and drill a hole for the bolt pin



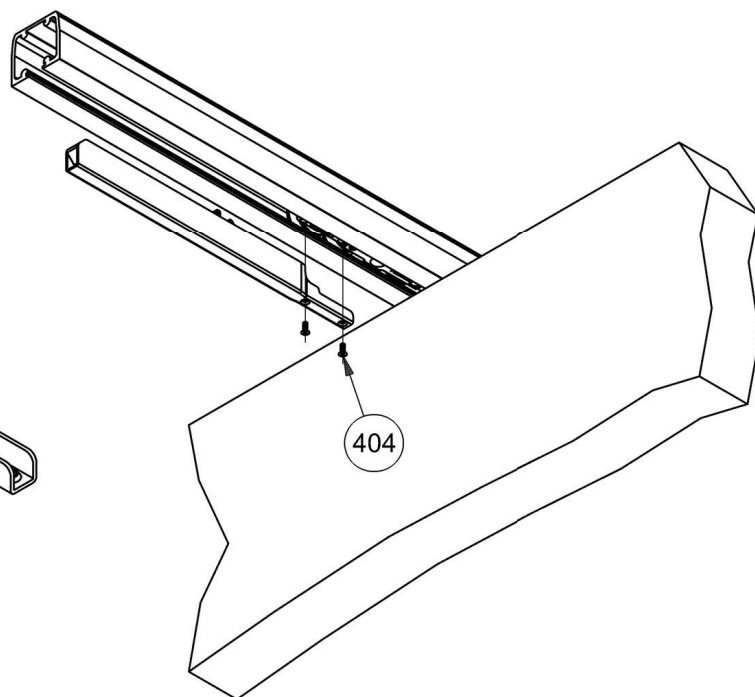
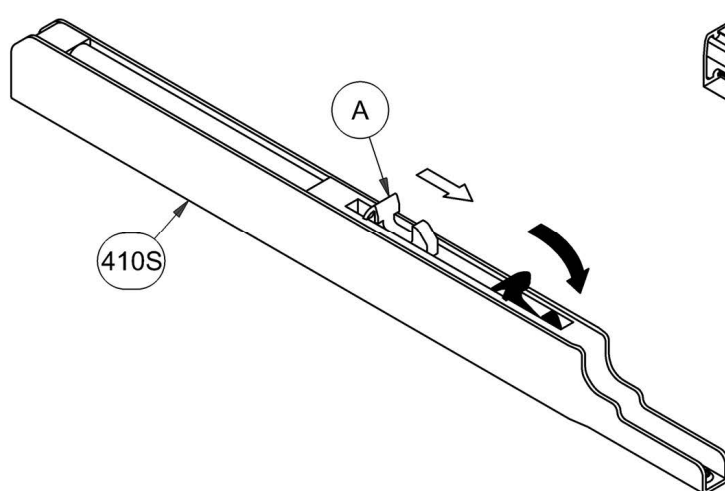
WITH LOCK FOR FOLDING DOORS



"SOFT OPENING S1" INSTALLATION

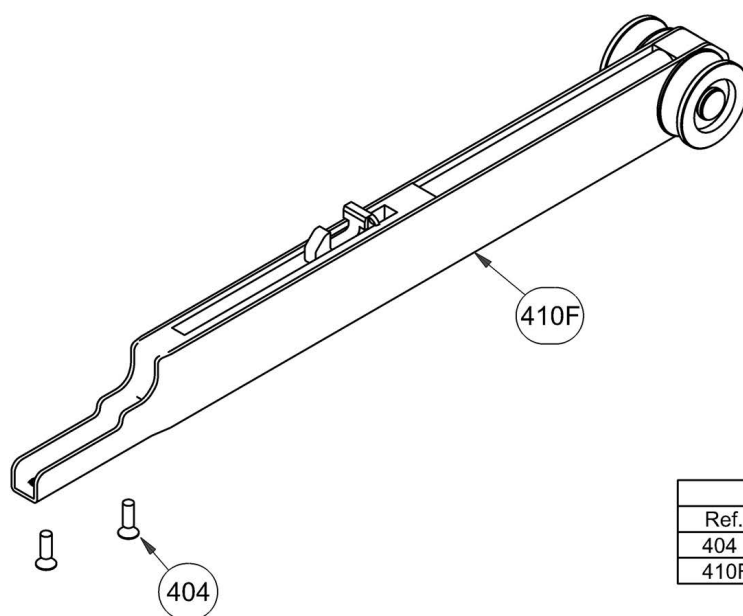


Parts list		
Ref.	Q.ty	Description
404	2	Screw TSP+ M3x8 - ISO 7046
410S	1	Soft Opening S1

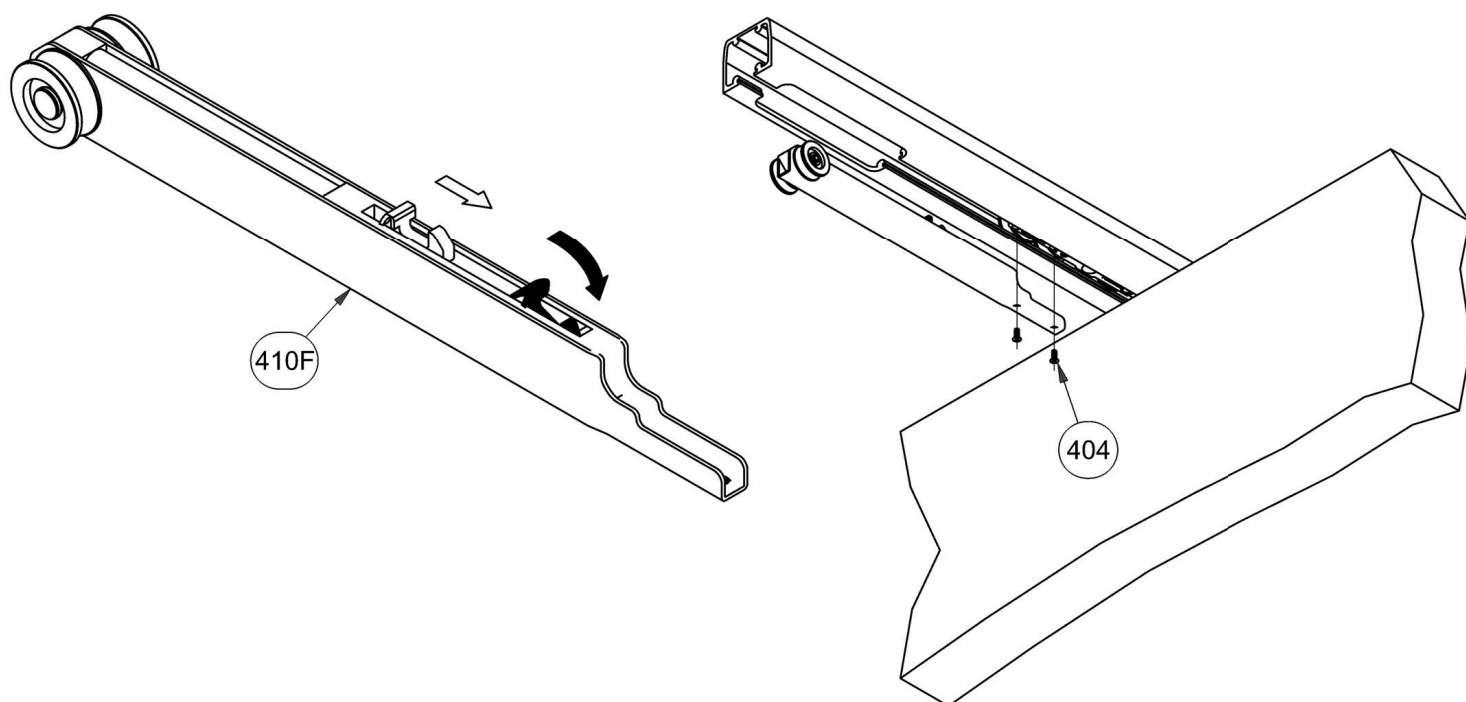


- 1) Push hook (A) to set the Soft Opening (410S).
Mount Soft Opening unit using the screw provided (404).
- 2) Verify that the Soft Opening system functions properly.
Finish installing door.

"SOFT OPENING PLUS" INSTALLATION

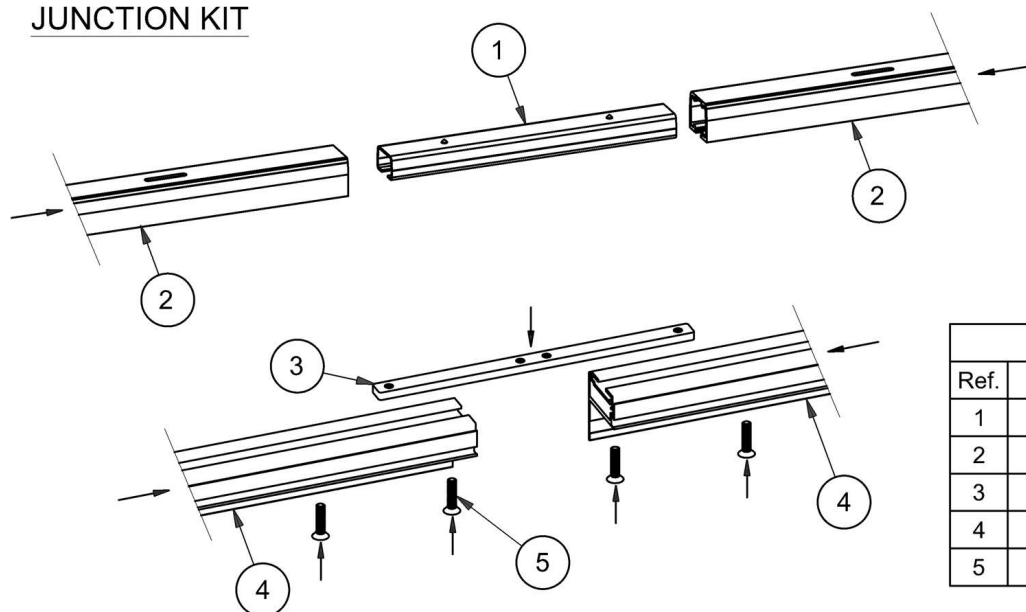


Parts list		
Ref.	Q.ty	Description
404	2	Screw TSP+ M3x8 - ISO 7046
410F	1	Soft Opening Plus

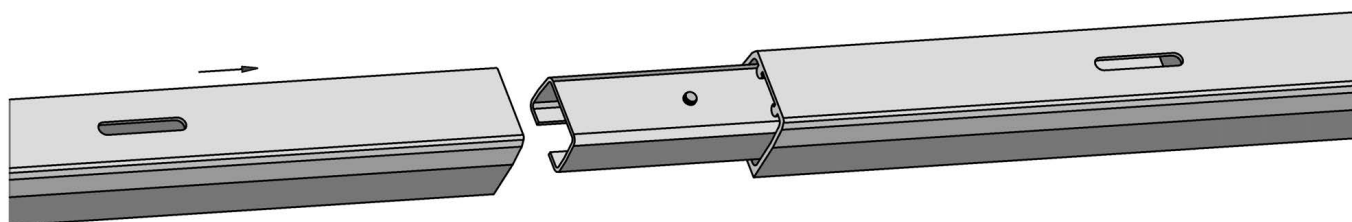
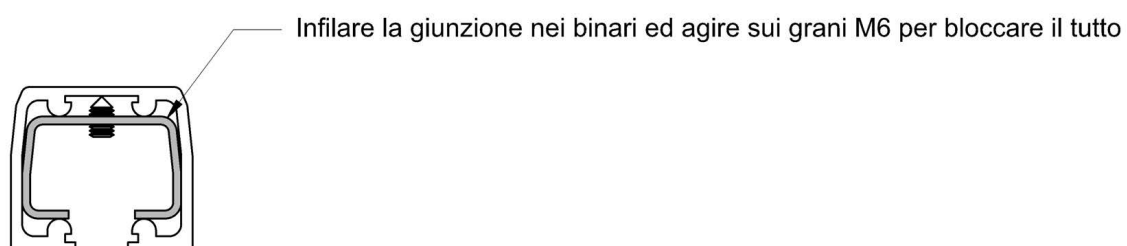
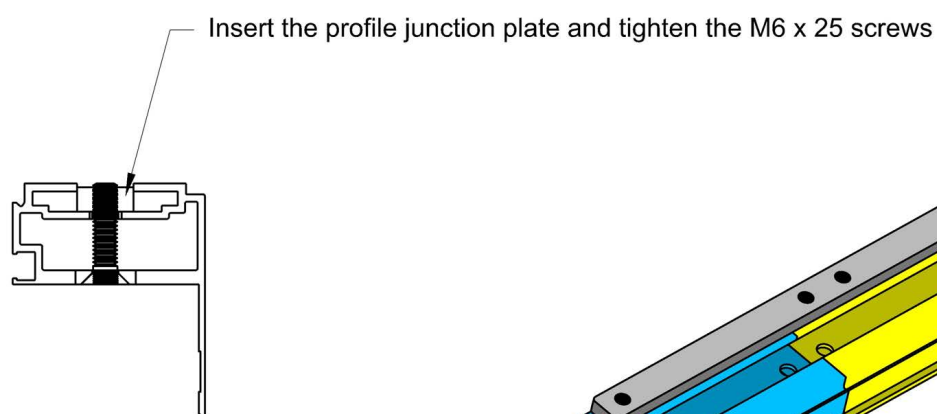


- 1) Push hook (A) to set the Soft Opening (410F).
Mount Soft Opening unit using the screw provided (404).
- 2) Verify that the Soft Opening system functions properly.
Finish installing door.

JUNCTION KIT



Parts list		
Ref.	Q.ty	Description
1	1	Track junction element
2	2	Track profile
3	1	External frame connection element
4	2	External frame profile
5	4	Flat countersunk Head Screw M6x25



[illegible]

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ERGON living® it's CELEGON's idea
30035 Mirano (Venezia) | Via G. Galilei, 6 - Z.I.
T +39 041 572 8404 | F +39 041 572 8522
www.celegon.it | info@celegon.it