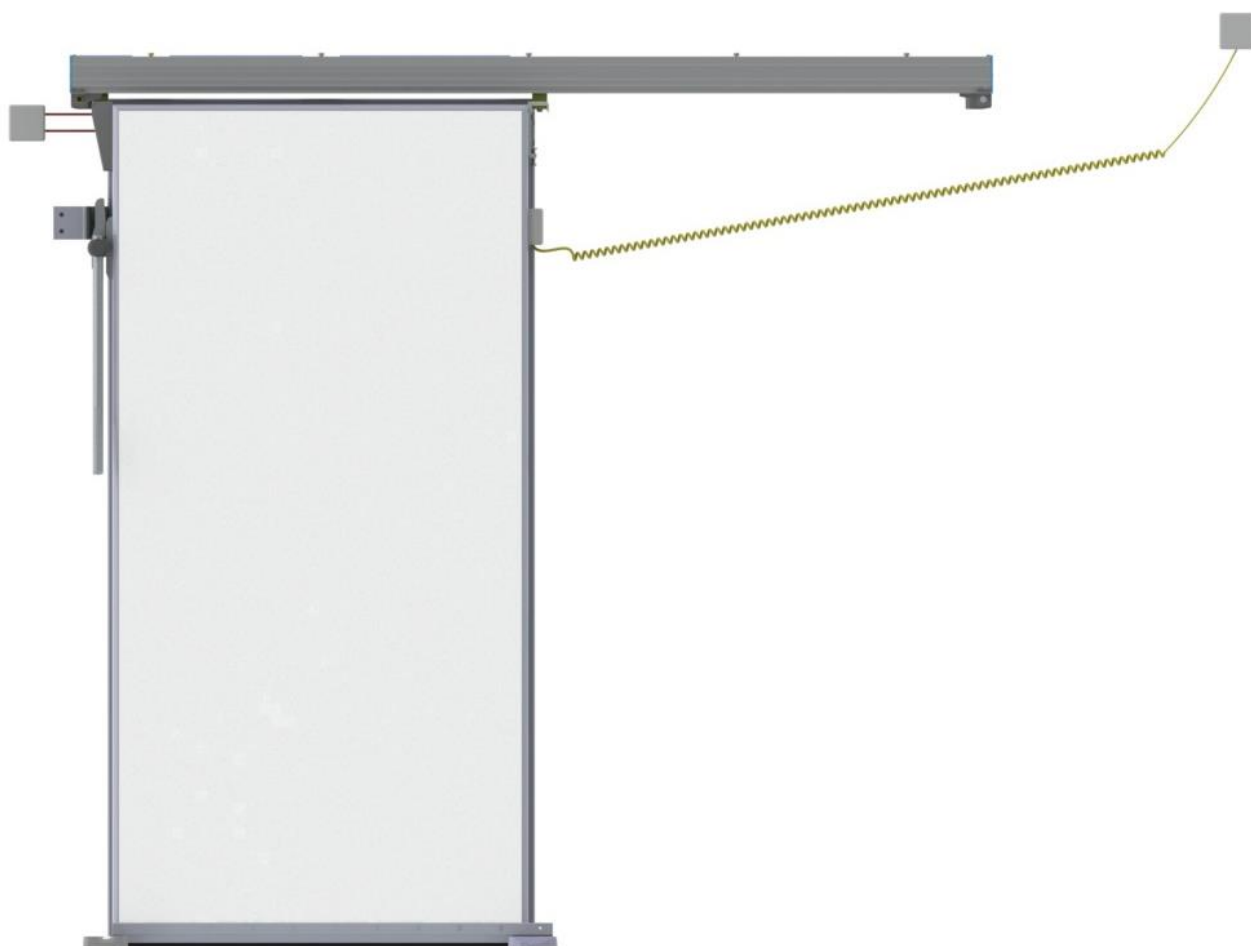


Installation Instruction

Sliding freezer door type SKJ 120

manual version



Information about this door:

Manufacturing standard

| | |
|---|---|
| Name | SKJ120 – sliding freezer door designed for use in below zero temperature |
| Manufacturer | Ampol Serwis |
| Manufacturing standard /technical parameters, size, color etc./ | <p>Frame:</p> <ul style="list-style-type: none">○ anodized aluminum profiles in natural color (possibility of painting)○ silicon gasket○ self-regulated heating wire○ Thermod Flex Frame adjustment system○ frame available for 1 side installation and for 2 side installation○ maximum width of the wall for a two-sided frame type 1 = 150mm,○ for wall wider than 150mm use two-sided frame type 2 <p>Leaf:</p> <ul style="list-style-type: none">○ anodized aluminum profiles in natural color (possibility of painting)○ door leaf surface made of glass fiber reinforced polyester laminate (option: stainless steel panel)○ filled with polyurethane foam○ thermal bridge break insulator○ gaskets around and under the door leaf○ two sets of top rollers○ upper rail and floor guide made of anodized aluminum○ external and internal handles FERMOD type○ self-regulated heating wire○ leaf thickness 120mm |

Instructions for maintenance and cleaning

- | | |
|--|--|
| <p>Cleaning and disinfection of polyester laminate</p> | <ul style="list-style-type: none"> ○ surface can be polished with cloths or paper along with the cleaners ○ resistant to detergents available on the market with their concentration up to 5% ○ some organic substances such as butyl acetate, ethyl acetate, methanol, phenol, styrene may damage the surface ○ caution should be exercised when using greater concentrations of irritant or flammable substances as acetone, which can tarnish the surface ○ domestic food products such as fresh fruit juices, coffee, milk, margarine, citric acid or wine do not affect the composite ○ can be cleaned using high pressure washers ○ does not absorb water |
|--|--|

| Polyester laminate chemical resistance table | |
|--|---|
| <p>Acids:</p> <p>hydrochloric acid (10%ig) +</p> <p>phosphoric acid (50%ig) +</p> <p>phosphoric acid (85%ig) +</p> <p>sulphuric acid (up to 37,5%ig) +</p> <p>nitric acid (10%ig) +</p> <p>boric acid (10%ig) +</p> <p>Lyes:</p> <p>stable to a certain extent</p> <p>Inorganic aqueous media:</p> <p>water (distilled), drinking water, ocean water +</p> <p>salt solutions (all concentrations) non-oxidising, stable +</p> <p>Luxury food, found in the common household, luxury chemicals</p> <p>apple juice +</p> <p>beer +</p> <p>fresh juices +</p> <p>coffee +</p> <p>milk +</p> <p>margarine +</p> <p>mineral water +</p> <p>wine +</p> <p>citric acid +</p> <p>sugar, all concentrations +</p> <p>Persil (5%ig) +</p> <p>Rei (5%ig) +</p> <p>detergent, commercially available (5%ig) +</p> <p>caster oil +</p> <p>blood +</p> <p>tincture of iodine –</p> | <p>Organic media</p> <p>acetone -</p> <p>ethanol (96%ig) -</p> <p>ether -</p> <p>formic acid (10%ig) +</p> <p>benzine +</p> <p>benzole -</p> <p>butyric acid +</p> <p>butyl acetate -</p> <p>chlorobenzene -</p> <p>cyclohexanon -</p> <p>diethanolamine +</p> <p>earth +</p> <p>acetic acid (10%ig) +</p> <p>ethyl acetate -</p> <p>fatty acid, higher (C12) +</p> <p>glycol +</p> <p>glycerine +</p> <p>heating oil +</p> <p>isopropanol -</p> <p>machine oil +</p> <p>NMA -</p> <p>methanol -</p> <p>methylene dichloride -</p> <p>MEK -</p> <p>lactic acid (10%ig) +</p> <p>mineral oils +</p> <p>paraffinic oils +</p> <p>phenol -</p> <p>non-plasticized resins -</p> <p>salicylic acid +</p> <p>silicone oil +</p> <p>styrene -</p> <p>turpentine oil +</p> <p>tetrachlorocarbon +</p> <p>tetrahydrofuran -</p> <p>toluene -</p> <p>xylene +</p> |
| Explanation of the table: + stable, - unstable | |

Cleaning and
disinfection of
aluminum
profiles

- surface polishing can be performed with various cloths and brushes, taking care not to damage the anodized layer
- anode layer is resistant to the pH range 4-9, that is for weak acids and alkalis
- cleaning and disinfecting products available on the market should not harm the aluminum outer shell, although concentrated cleaners, after a few minutes of exposure can irreversibly destroy it
- caution should be exercised when using professional cleaners - they are usually much higher concentrated, and thus can quickly destroy the coating
- coating resists sodium hydroxide and acetic acid, for a period of 144 hours of continuous exposure
- diluted phosphoric acid is suitable for cleaning aluminum
- can be cleaned using high pressure washers

Package content

Main package content

| Article | Description |
|-----------------|---|
| Wall cover | Wall cover equipped with heating wire |
| Door leaf | Door leaf equipped with handles, top rollers, bottom guide profile and heating wire |
| Top rail | Top rail equipped with end stop buffers, screws and plugs |
| Accessories box | Box with all accessories necessary for installation |

Accessories box

| Article | Amount | | |
|--|---------------------|---------------------|--------------|
| | 2-side frame type 1 | 2-side frame type 2 | 1-side frame |
| Sheet metal screw 4,2x13 | 22 | 11 | 11 |
| Sheet metal screw 5,4x50 | 33 | 66 | 33 |
| Screw M6x26 | 3 | 3 | 3 |
| Plug 12mm | 11 | - | - |
| Wall rail support bracket | 5/7* | 5/7* | 5/7* |
| Isobolt M10 with washer, nut M10 with washer | 10/14* | 10/14* | 10/14* |
| M10 threaded bolt, L=1m | 2** | 2** | 2** |
| PVC gasket | - | - | √*** |
| Bottom guides with wedge anchors / wall guide with hook and screws | 2/1 | 2/1 | 2/1 |
| Laminate | - | √*** | - |
| Angle bar and angle bar holder | 1 | 1 | 1 |

* Depends on the Structural Opening width

** Number of threaded bolts may differ depending on Structural Opening width and the wall thickness

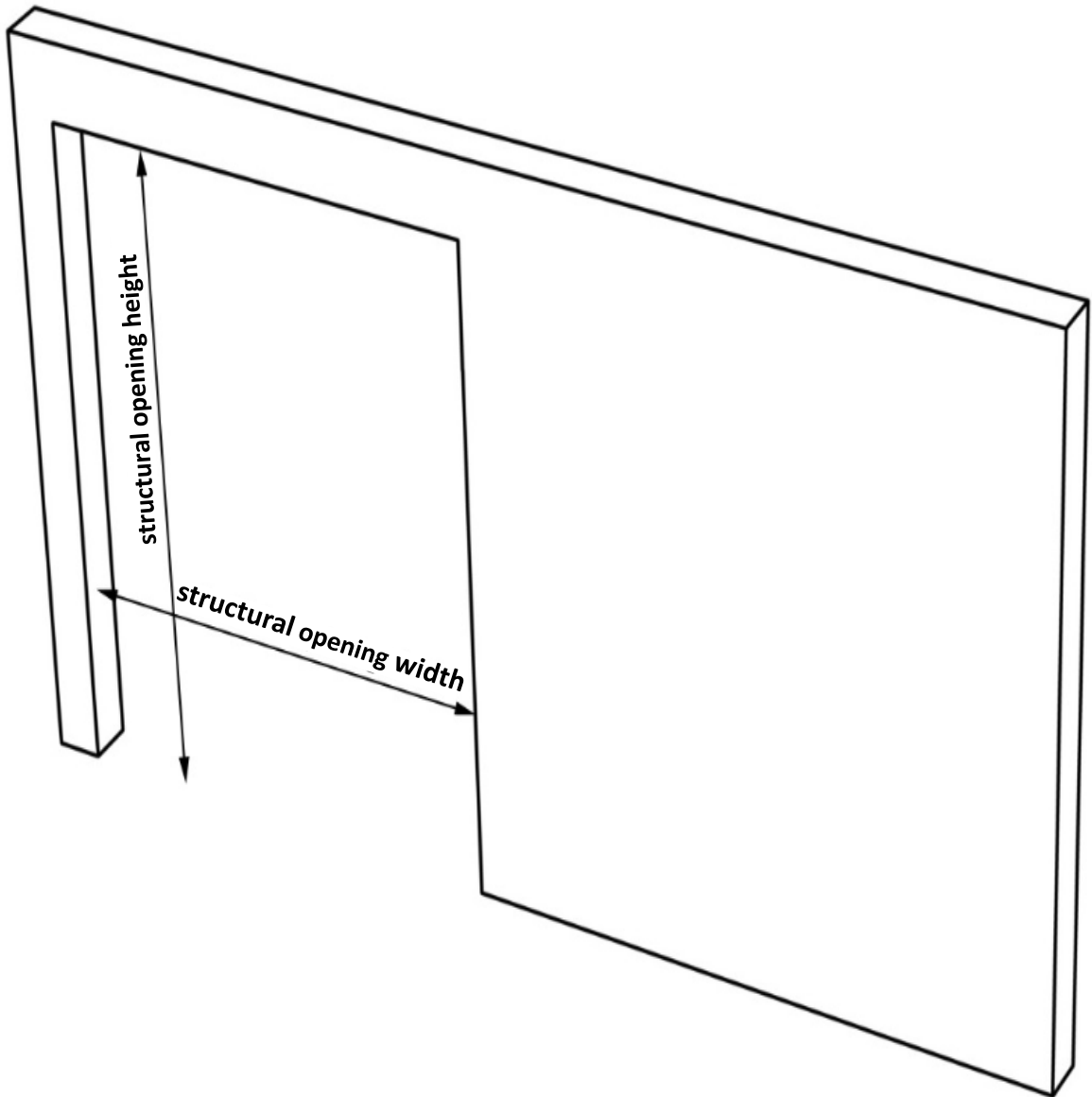
*** Size differs depending on the Structural Opening and the wall thickness

Installation description

- Step 00** Check the structural opening
- Step 01** Dismantle the reinforcement boards / Join the frame parts together and place the heating wire in the frame groove
- Step 02** Screw the frame and the handle angle bar holder to the wall
- Step 03** Mount the click in profile and the handle angle bar
- Step 04** Mount the rail support brackets to the wall
- Step 05** Mount the top rail
- Step 06** Mount the bottom/wall guides
- Step 07** Mount the door leaf
- Step 08** Additional frame parts installation
- Step 09** Adjust the door leaf
- Step 10** Frame adjustment with Flex Frame system
- Step 11** Seal the space between the frame and the floor with silicone
- Step 12** Connect the heating wires

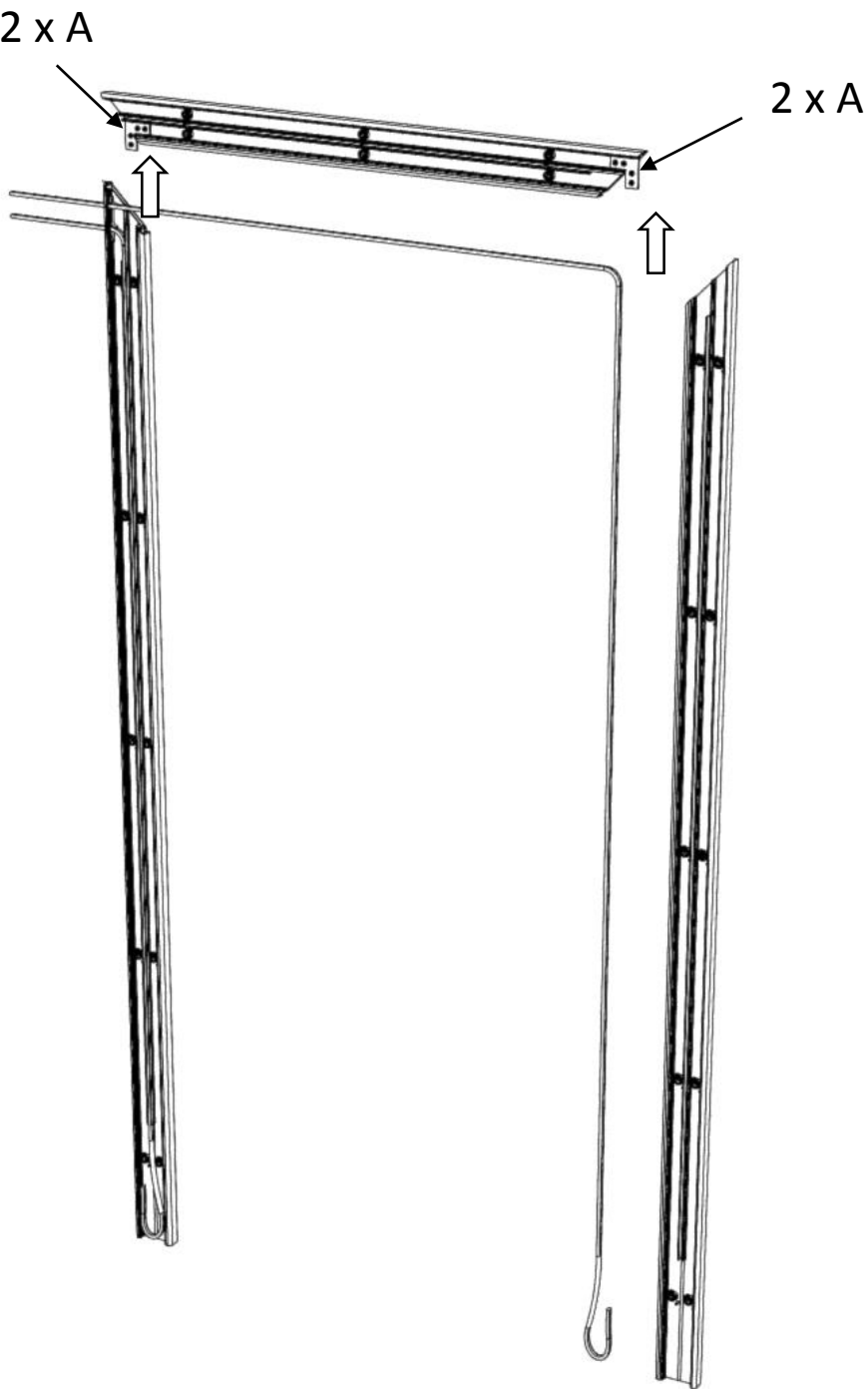
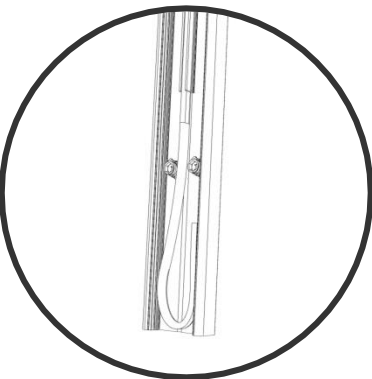
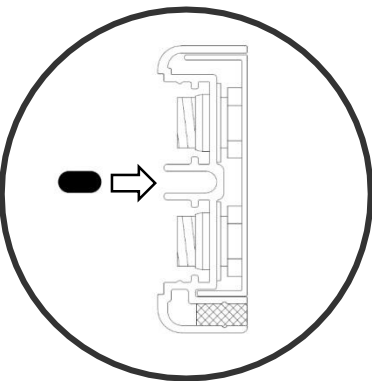
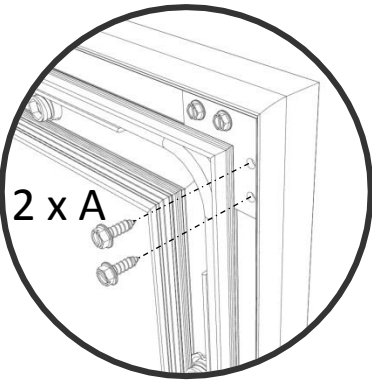
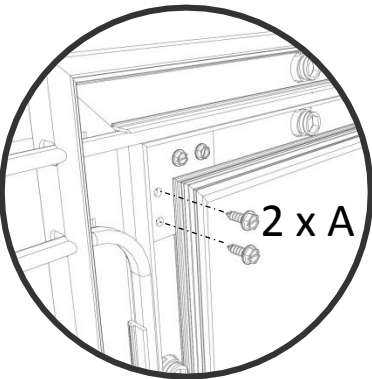
Step 00

Check the structural opening



Step 01 – frame delivered in parts

Join the frame parts together and place the heating wire in the frame groove

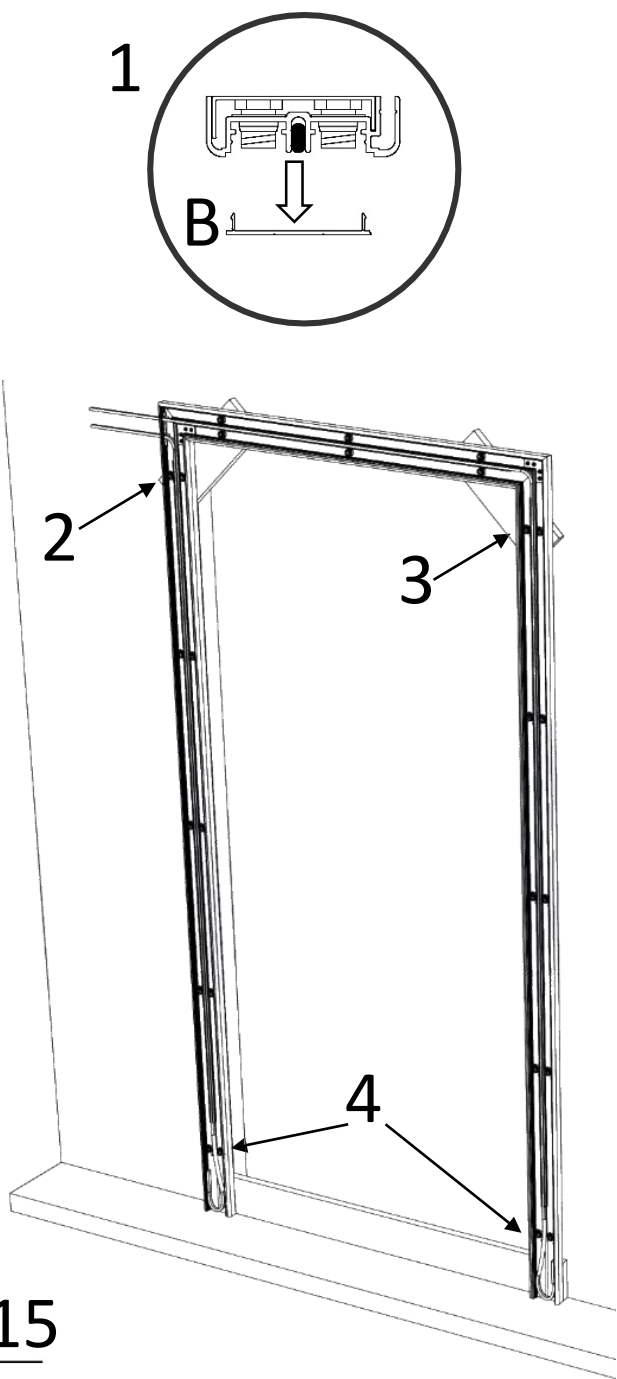


| | |
|---|--------------------------|
| A | Sheet metal screw 4,2x13 |
|---|--------------------------|

Step 01 – frame delivered in one piece

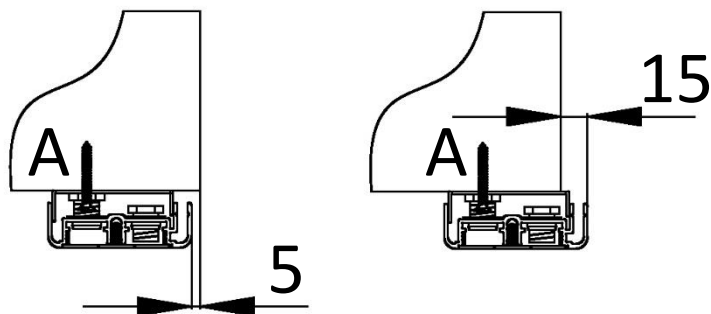
Dismantle the reinforcement boards:

- 1. Take out the click in profile.
- 2. Unscrew the wooden board in **upper left** corner and screw the frame to the wall.
- 3. Unscrew the wooden board in **upper right** corner and screw the frame to the wall.
- 4. Unscrew the **bottom** wooden board in and screw the frame to the wall.



1-side frame

2-side frame

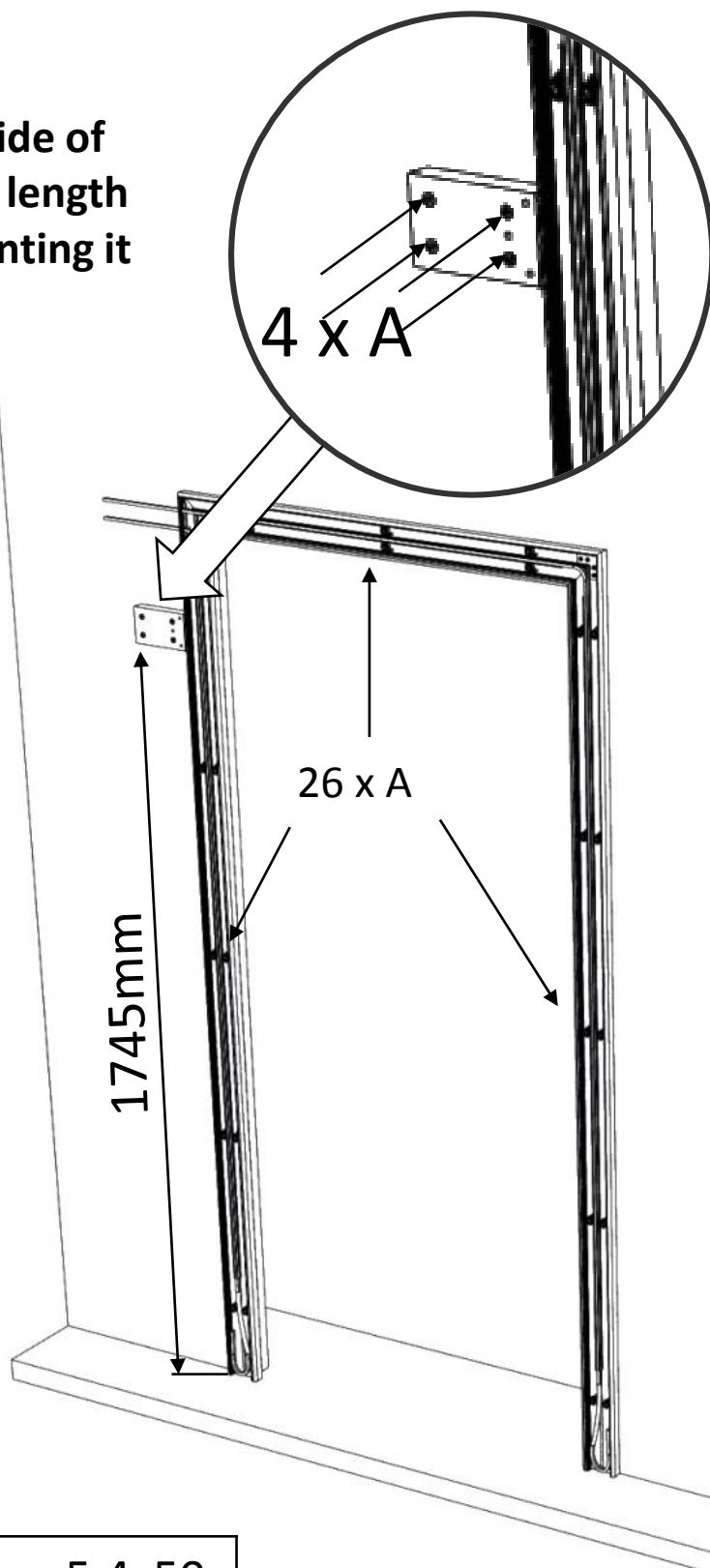
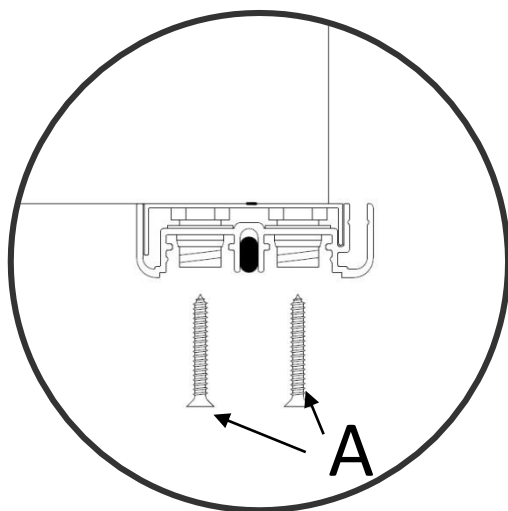
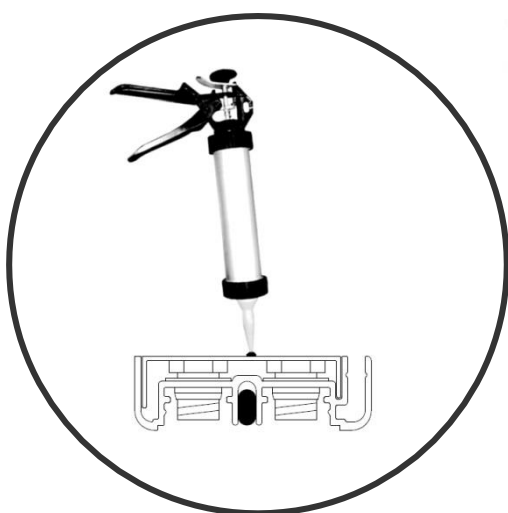


| | |
|---|--------------------------|
| A | Sheet metals crew 5,4x50 |
| B | Click in profile |

Step 02

Screw the frame and the handle angle bar holder to the wall

Put silicone on the back side of the frame over the entire length of the frame before mounting it to the wall.

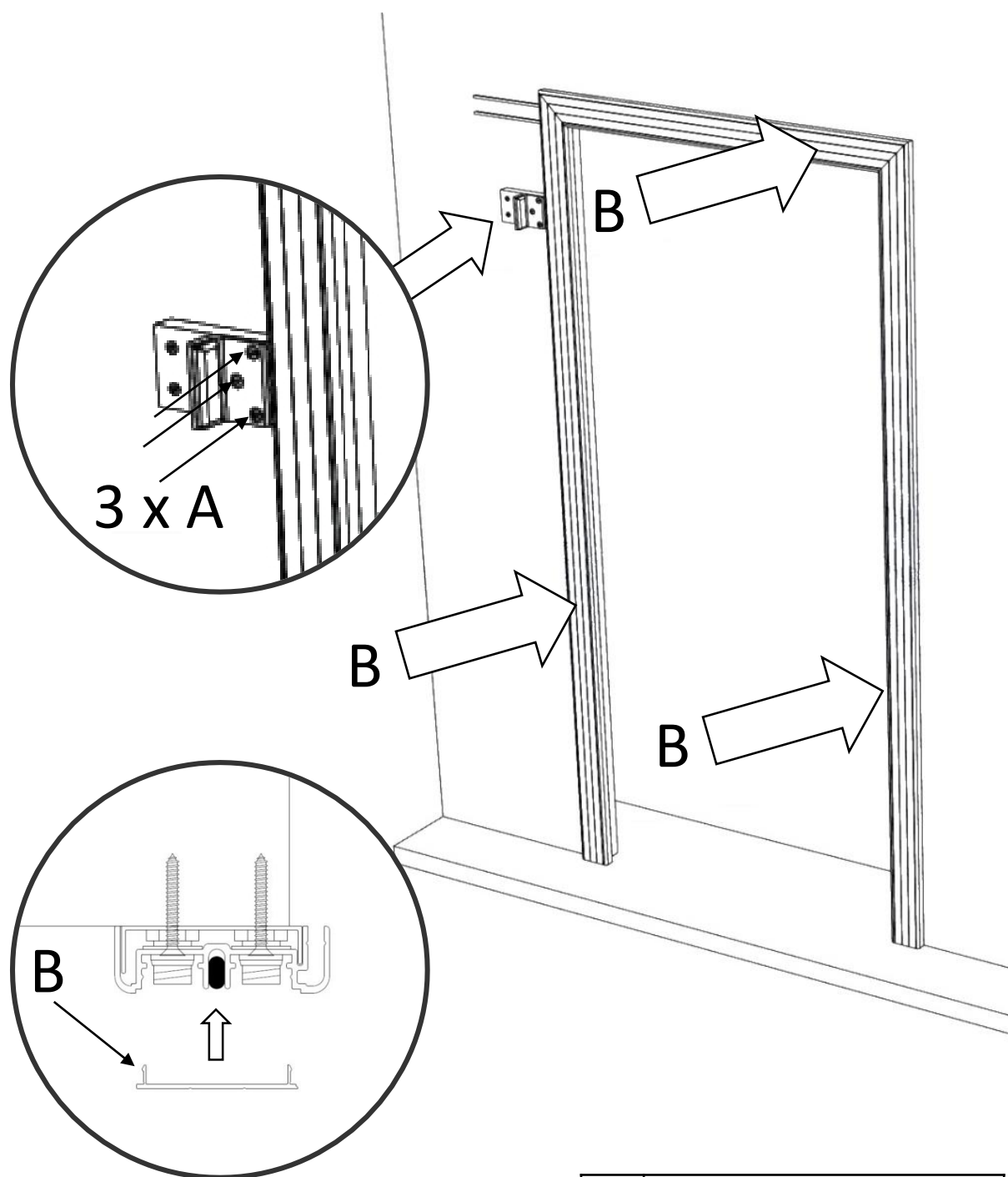


A

Sheet metals crew 5,4x50

Step 03

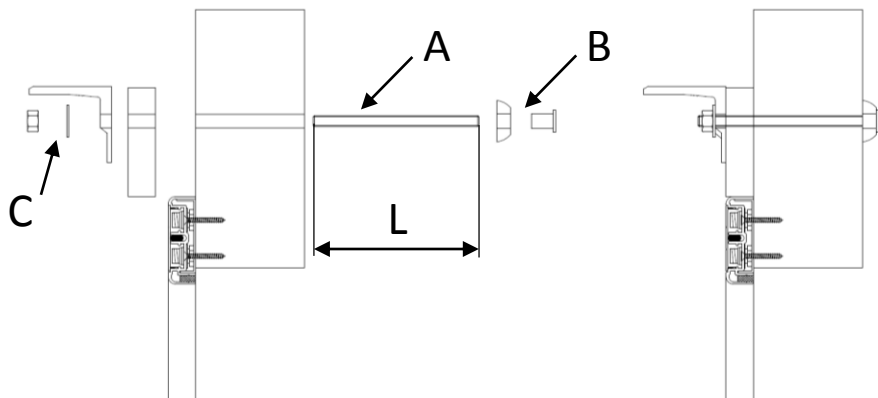
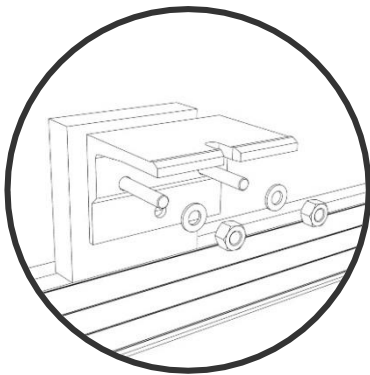
Mount the click in profile and the handle angle bar



| | |
|---|------------------|
| A | Screw M6 x 16 |
| B | Click in profile |

Step 04

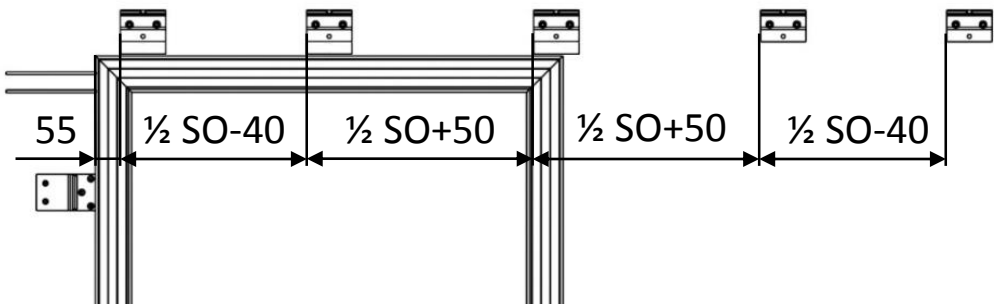
Mount the rail support brackets to the wall



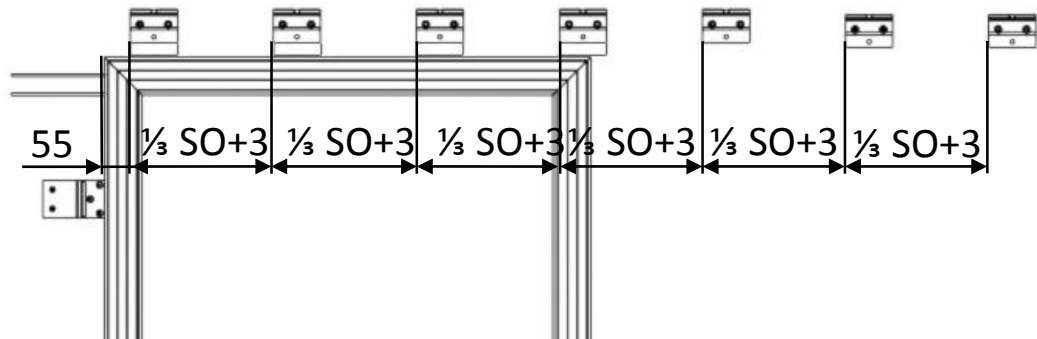
| | |
|---|-------------------------|
| A | M10 threaded bolt |
| B | Isobolt M10 with washer |
| C | Nut M10 with washer |

$L = \text{Wall thickness} + 35\text{mm}$

$SO \leq 1900$: 5 support brackets

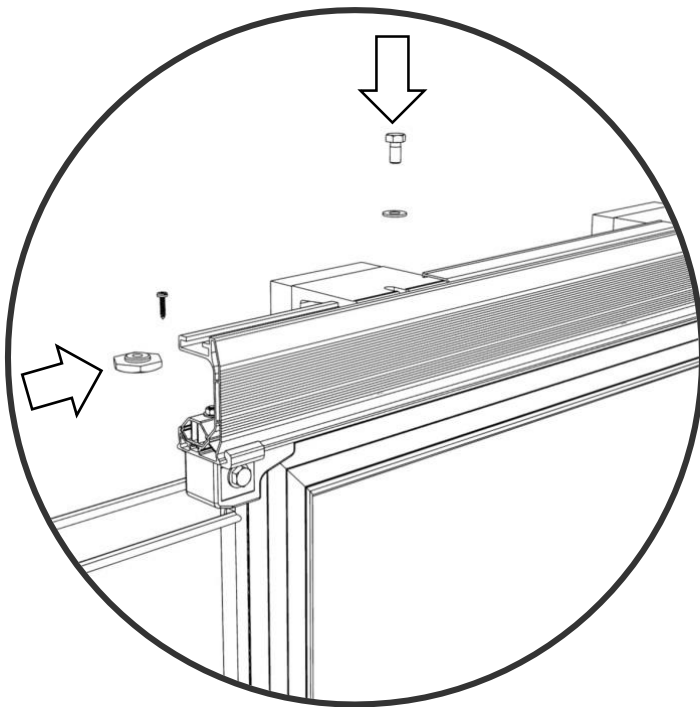
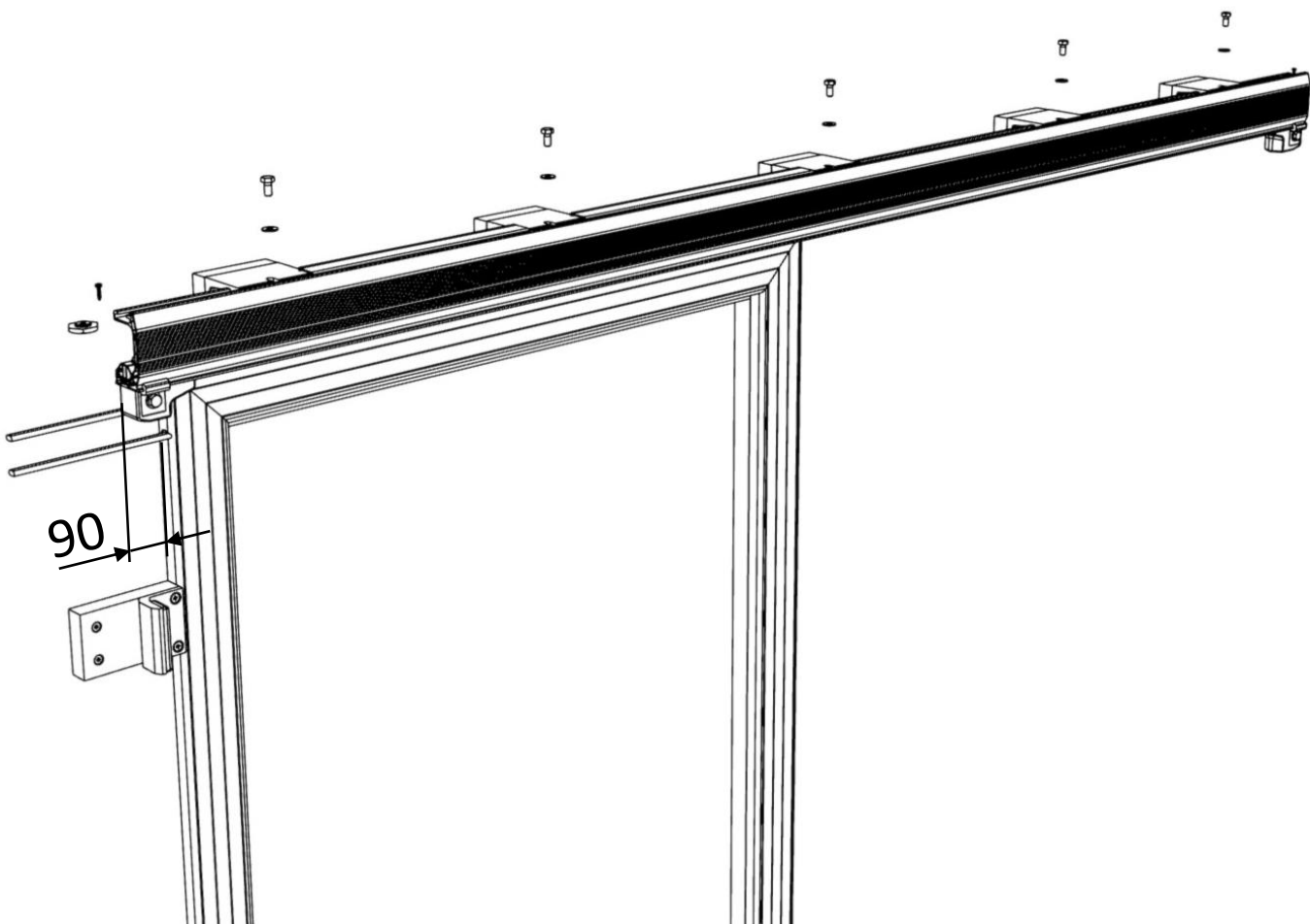


$SO > 1900$: 7 support brackets



SO- structural opening width

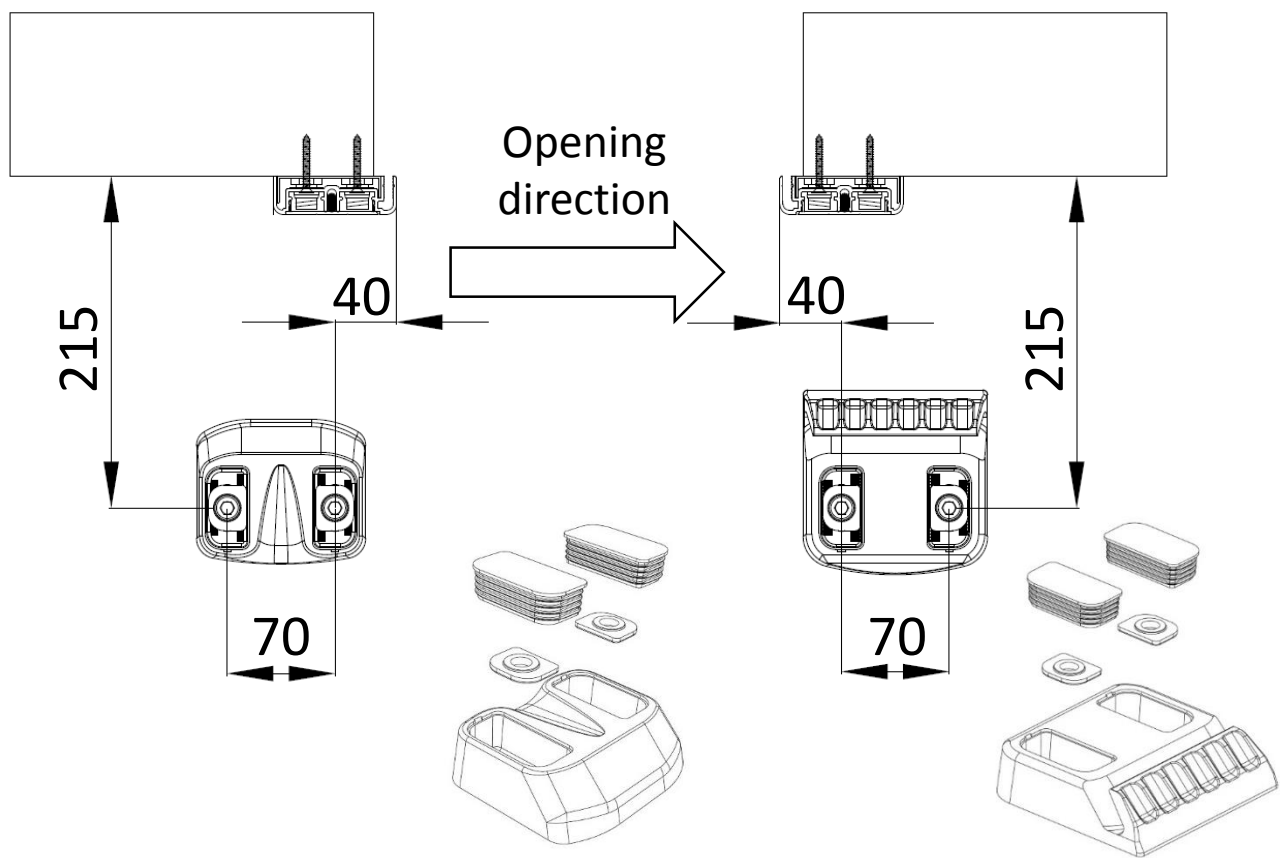
Step 05
Mount the top rail



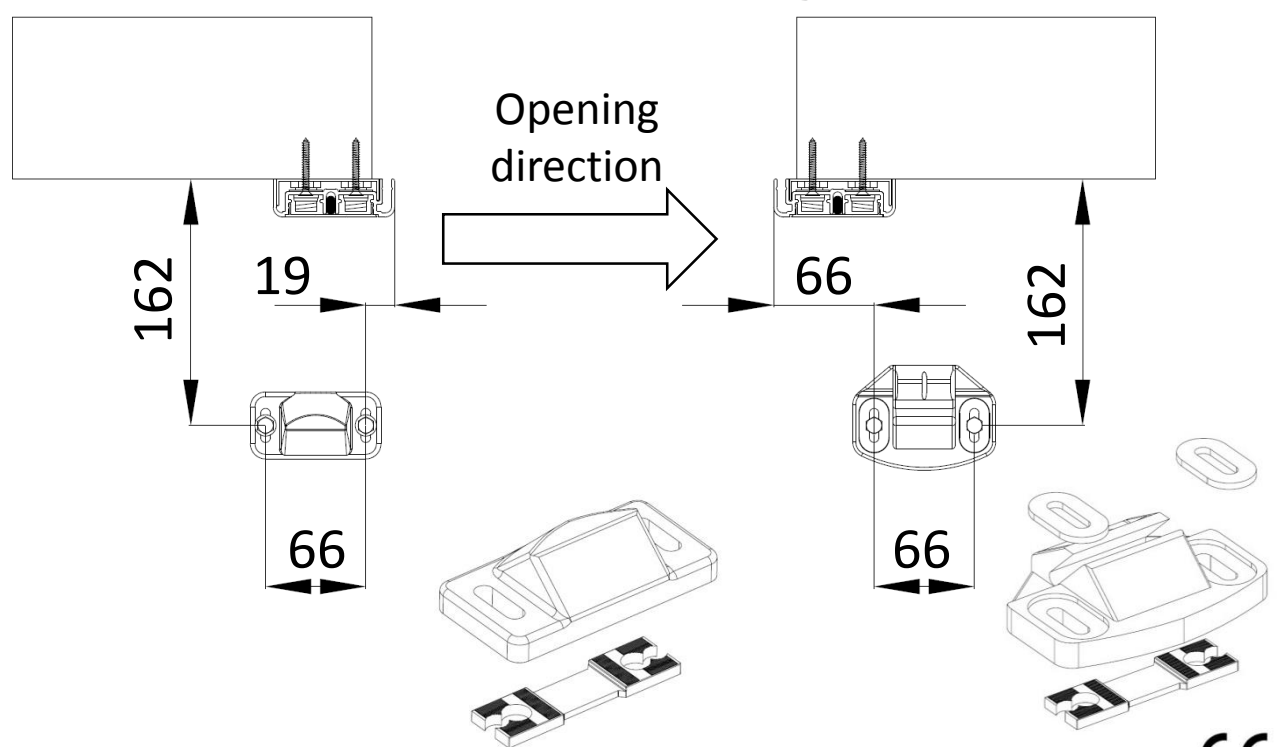
Step 06

Mount the bottom/wall guides

Fermod 24 bottom guide



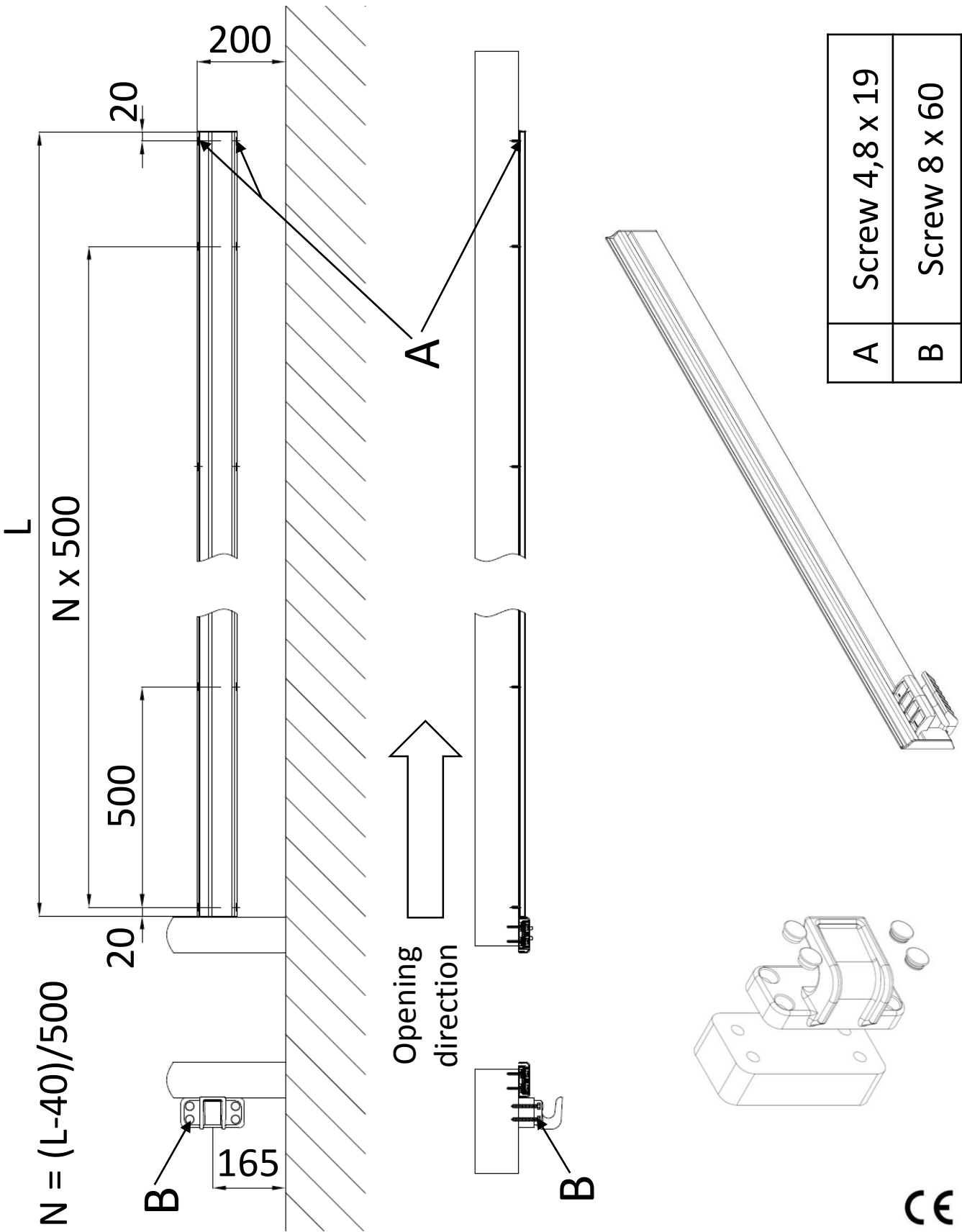
Fermod 23 bottom guide



Step 06

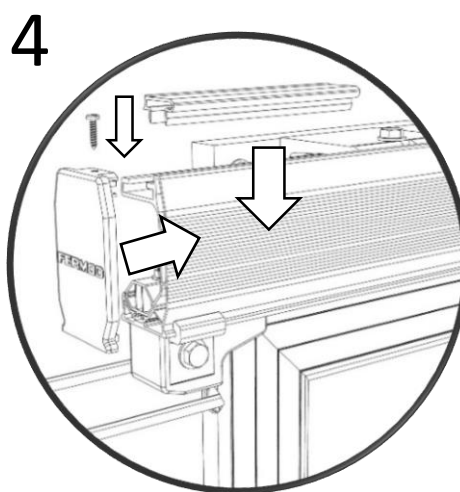
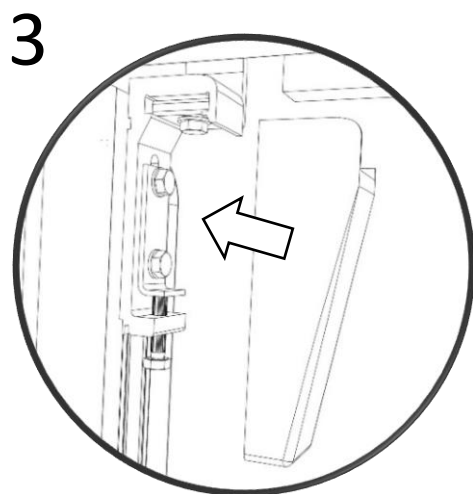
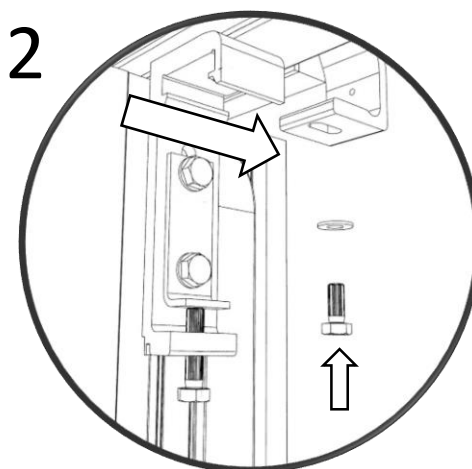
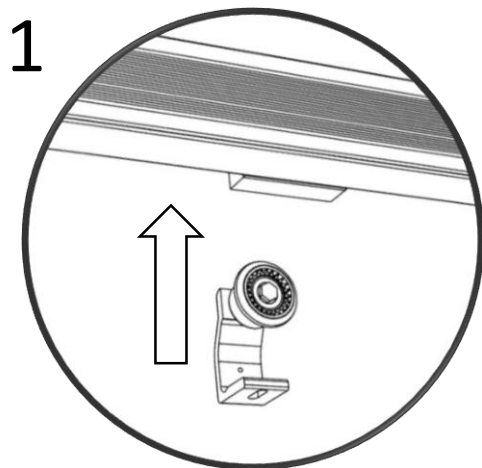
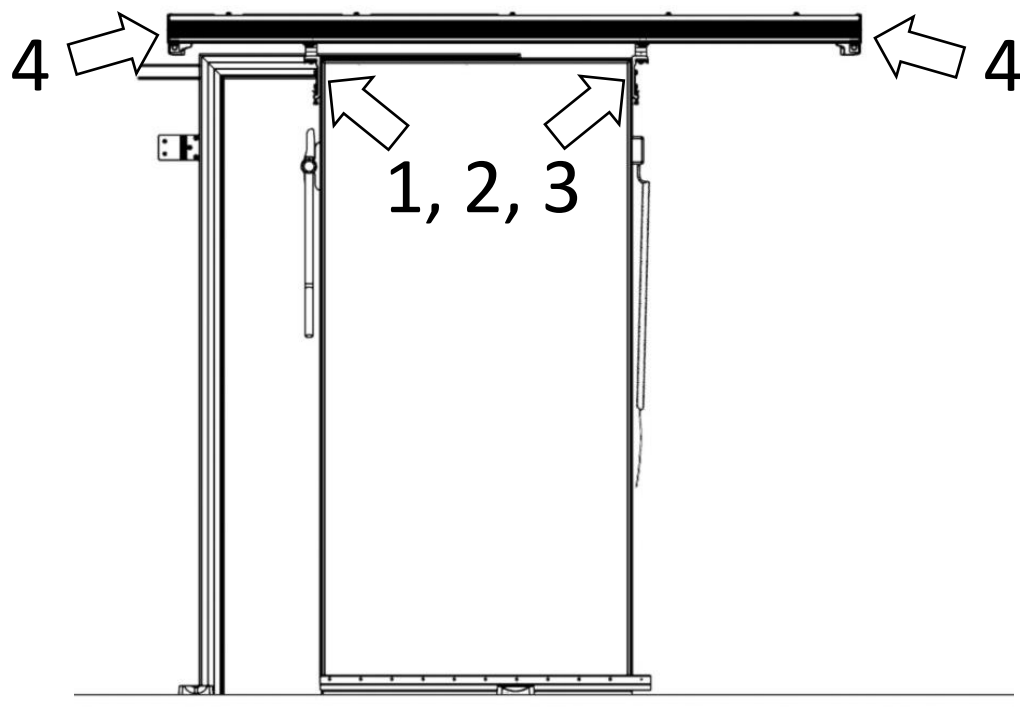
Mount the bottom/wall guides

Fermod 7540 wall guide



Step 07

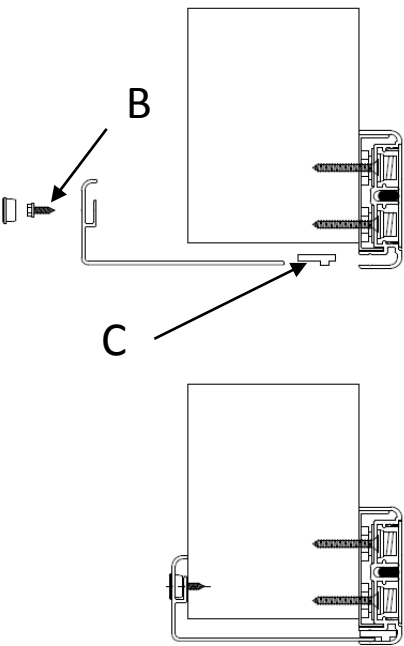
Mount the door leaf



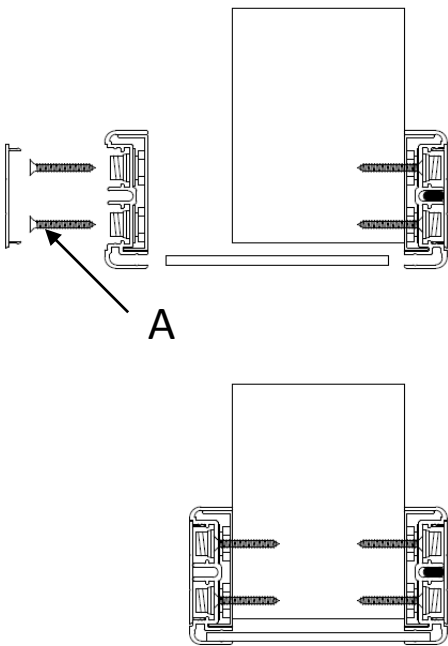
Step 08

Additional frame parts installation

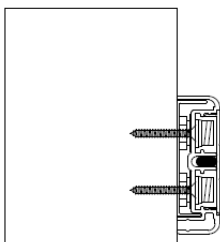
2-side frame type 1



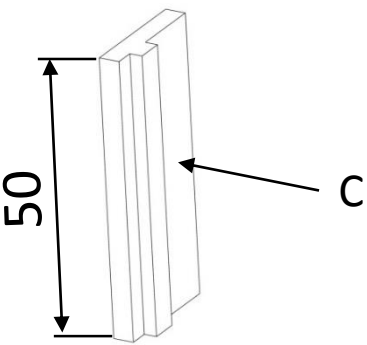
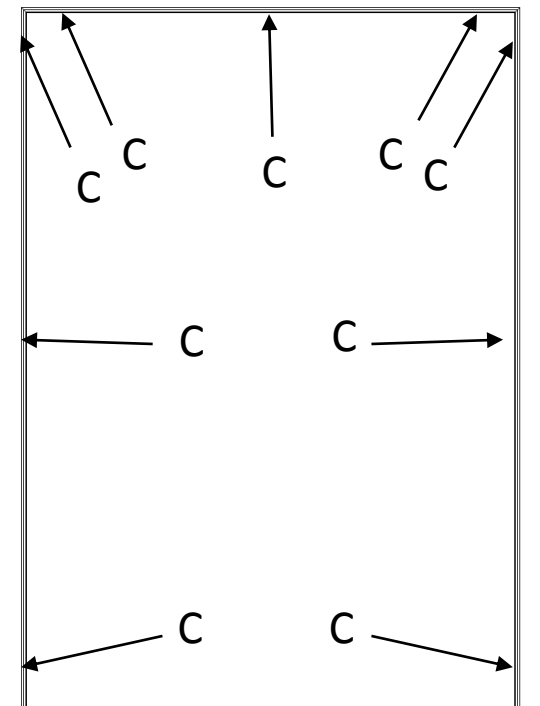
2-side frame type 2



1-side frame



Foder holder placement (2-side frame type 1)

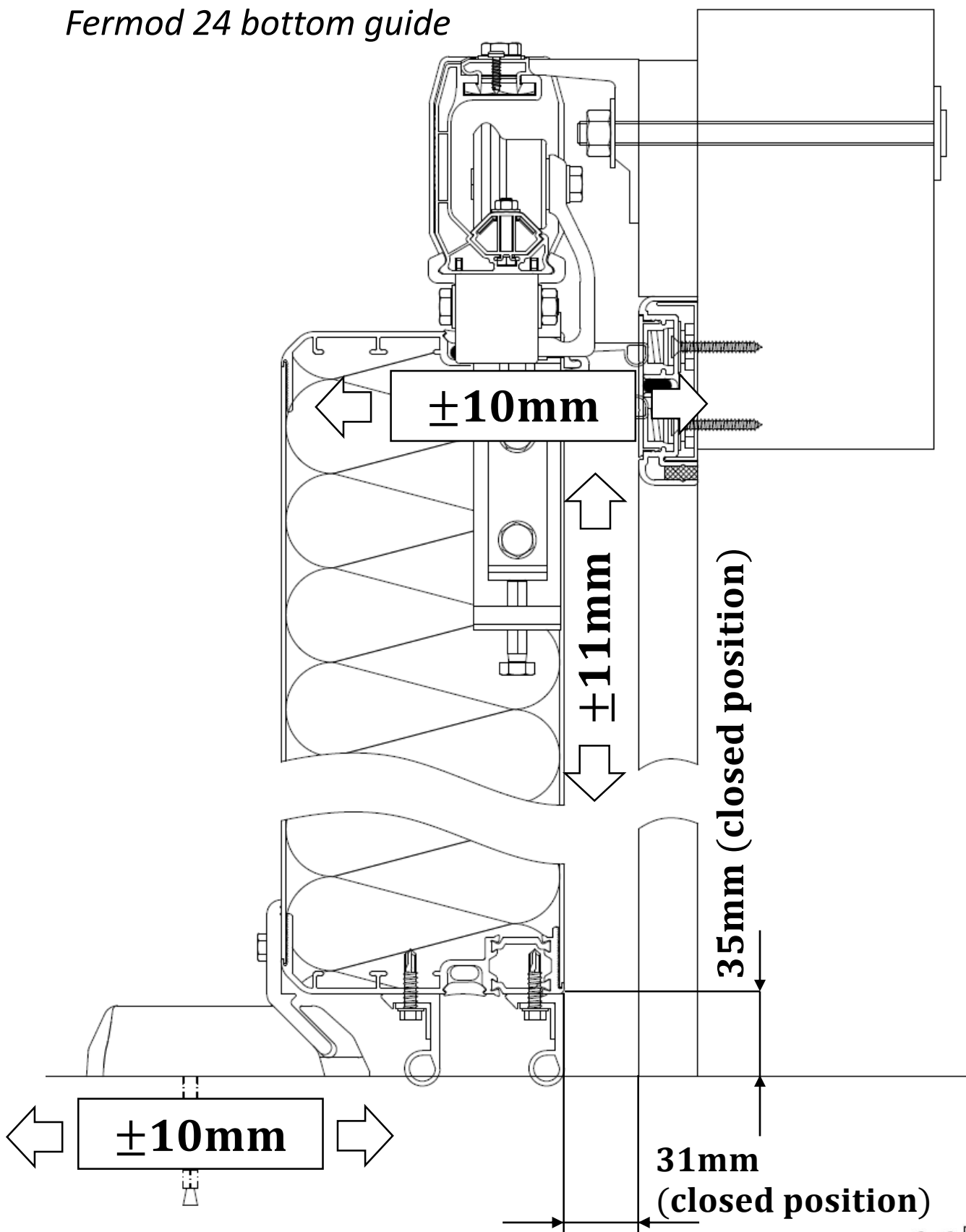


| | |
|---|-----------------------------|
| A | Sheet metal screw 5,4x50 |
| B | Sheet metal screw 4,2x13 |
| C | Angle profile holder L=50mm |

Step 09

Adjust the door leaf

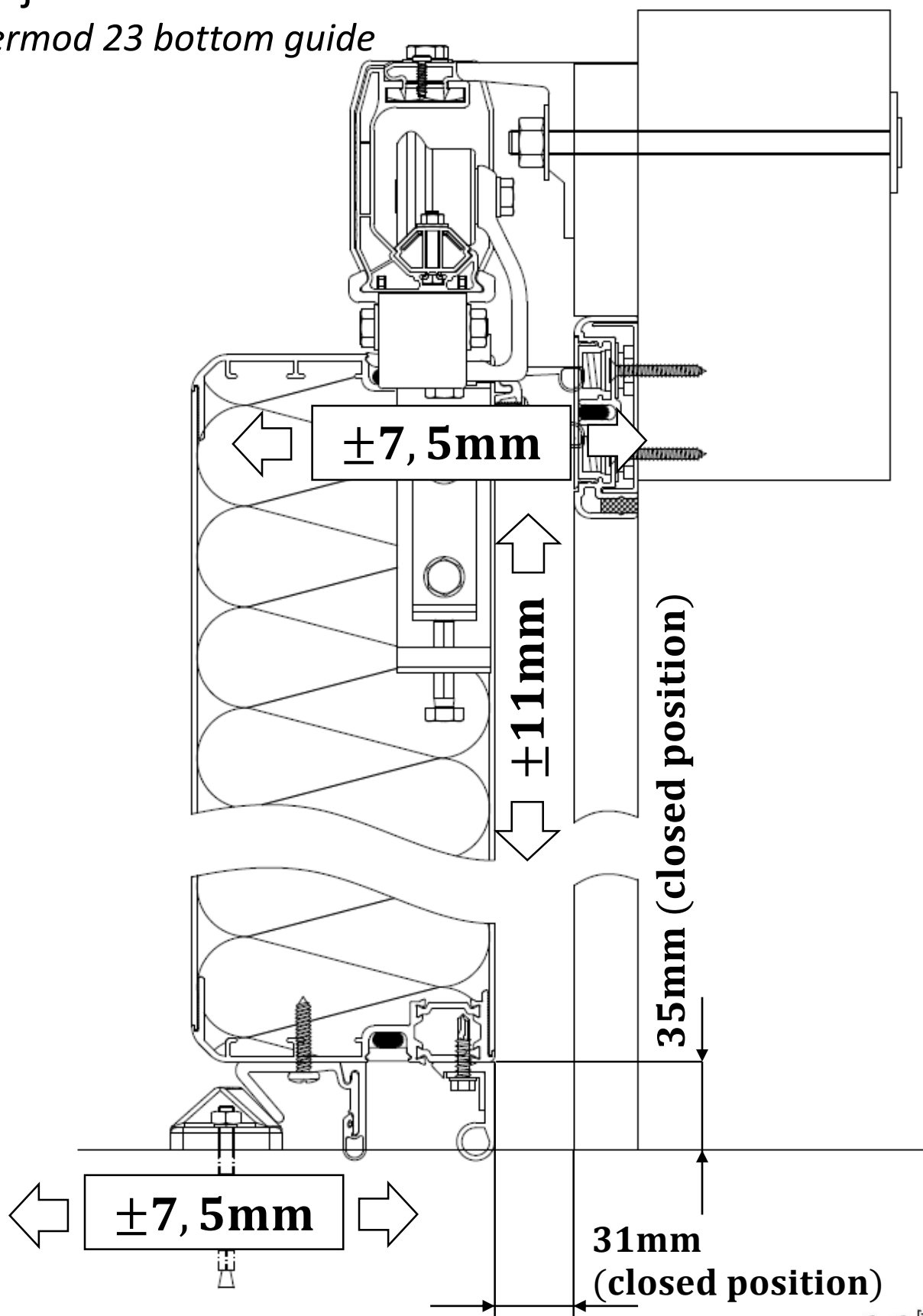
Fermod 24 bottom guide



Step 09

Adjust the door leaf

Fermod 23 bottom guide

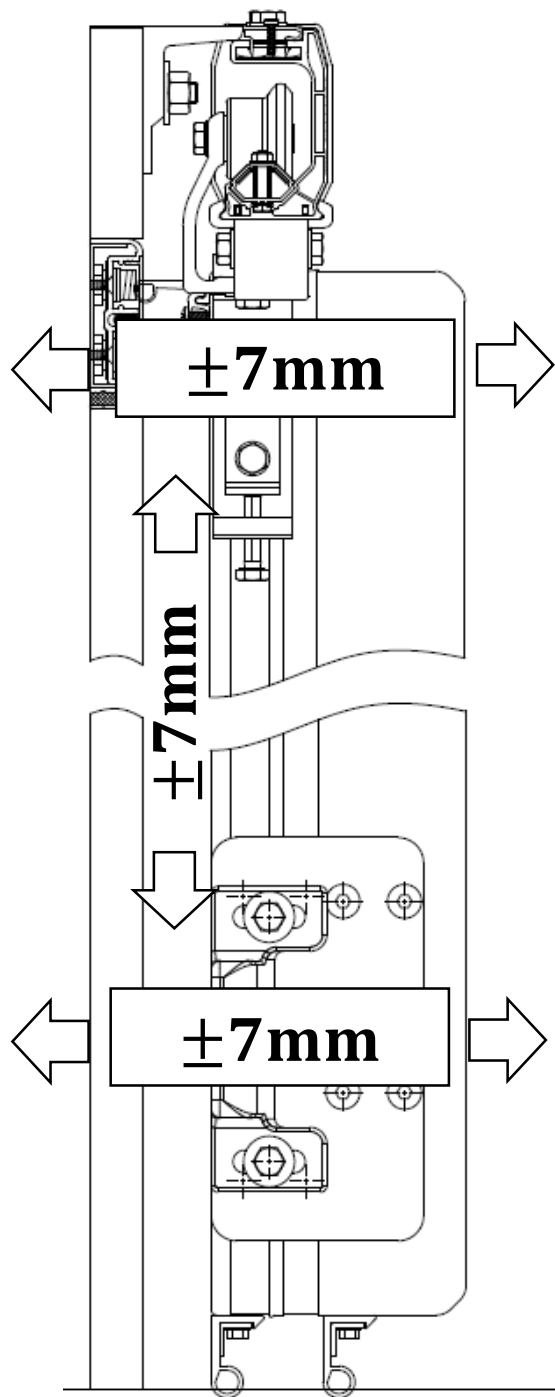


Step 09

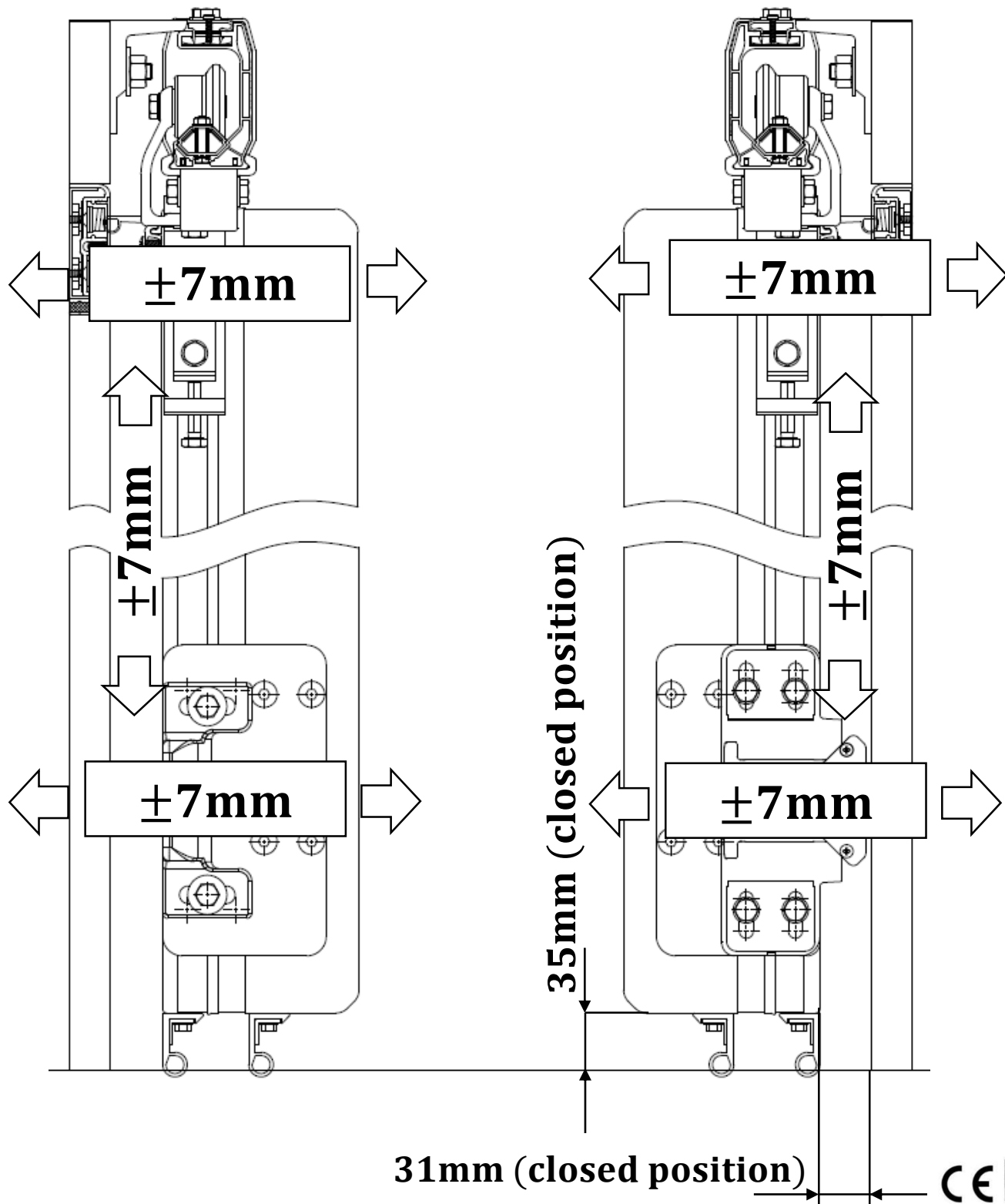
Adjust the door leaf

Fermod 7540 wall guide

Closing side



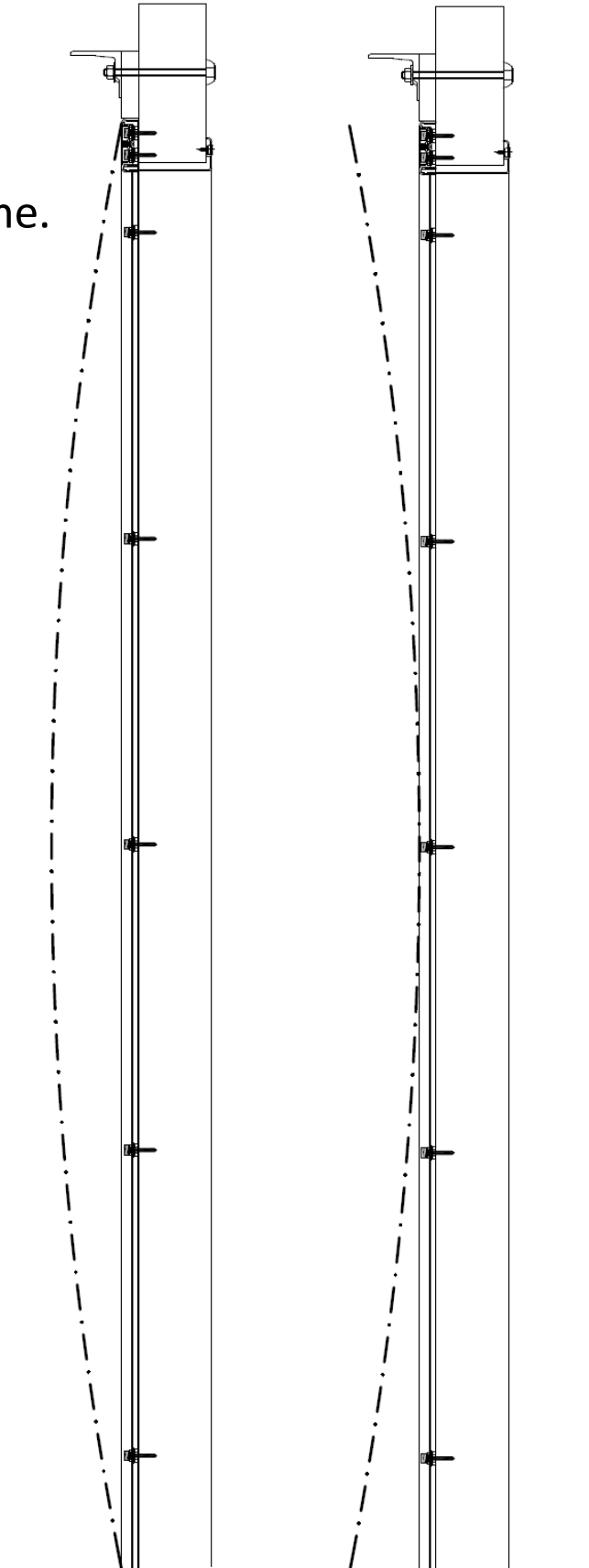
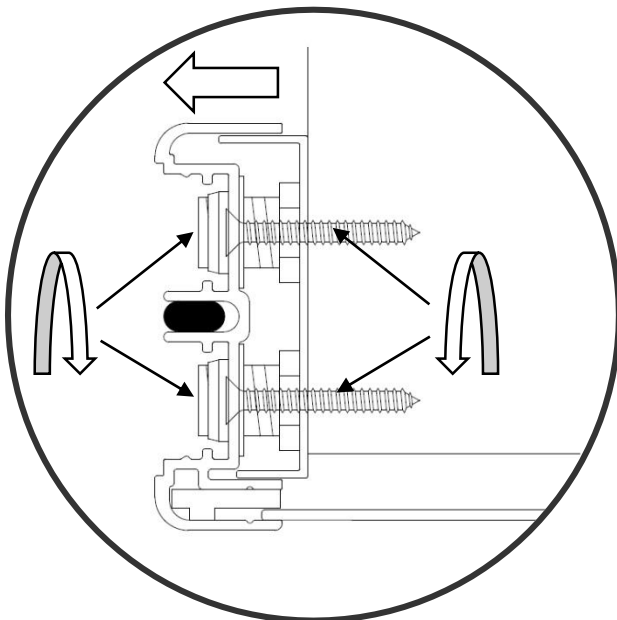
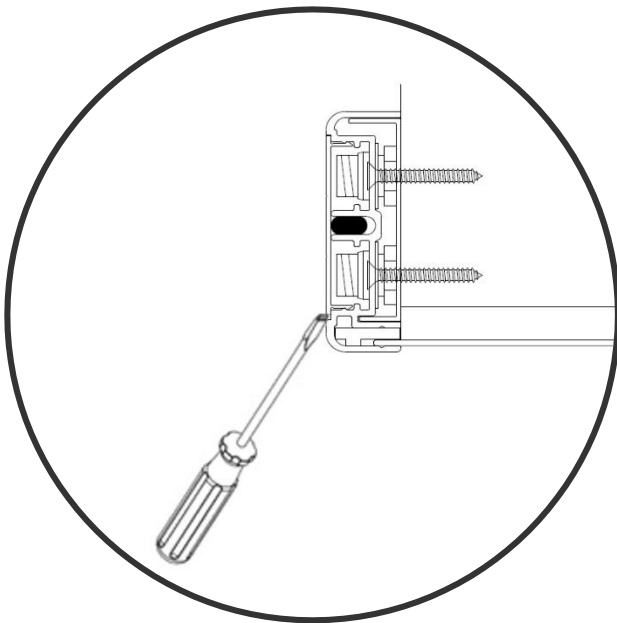
Opening side



Step 10

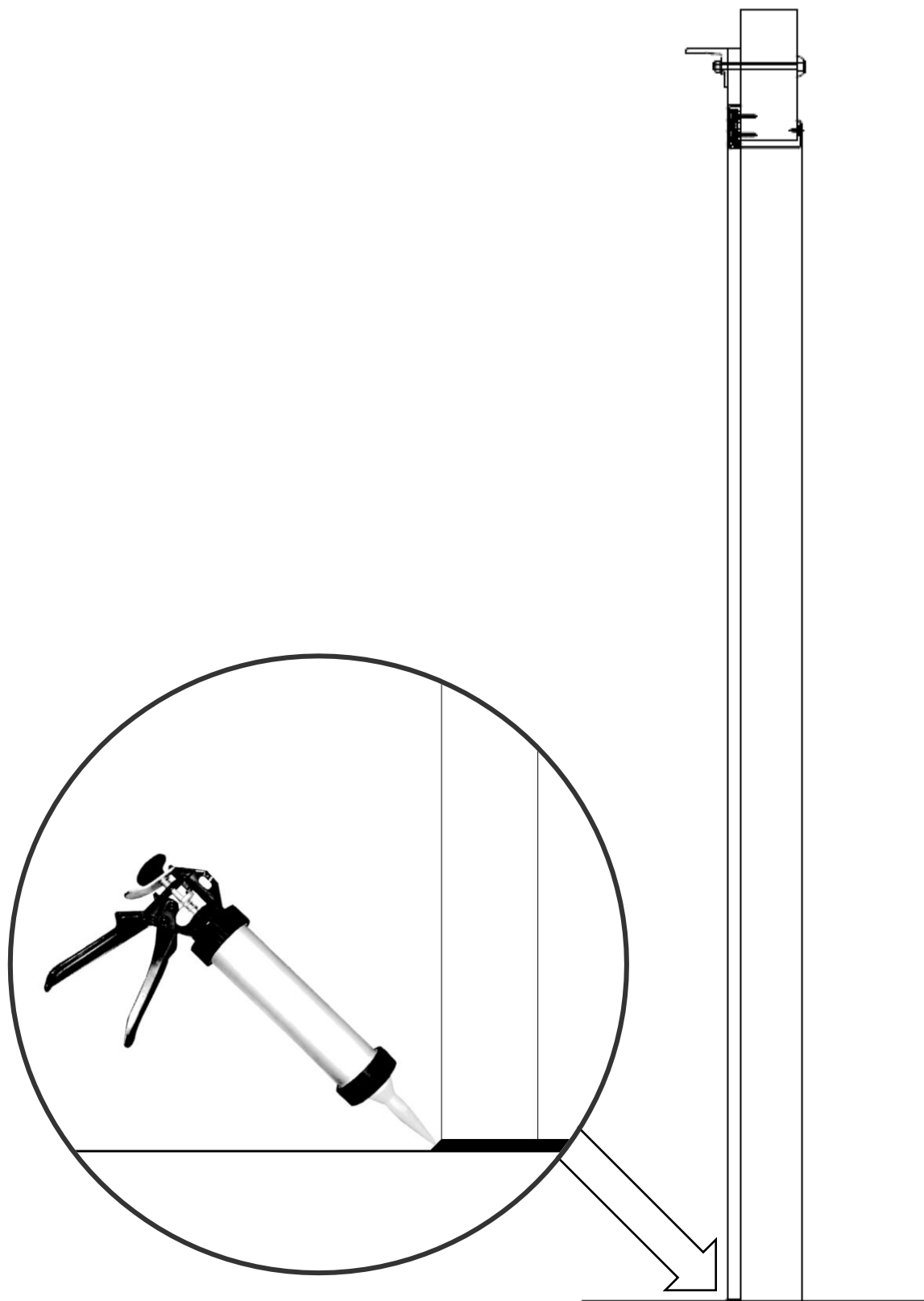
Frame adjustment with Flex Frame system

The door leaf gasket and the frame should be parallel from the top to the bottom.
If they are not, adjust the frame.



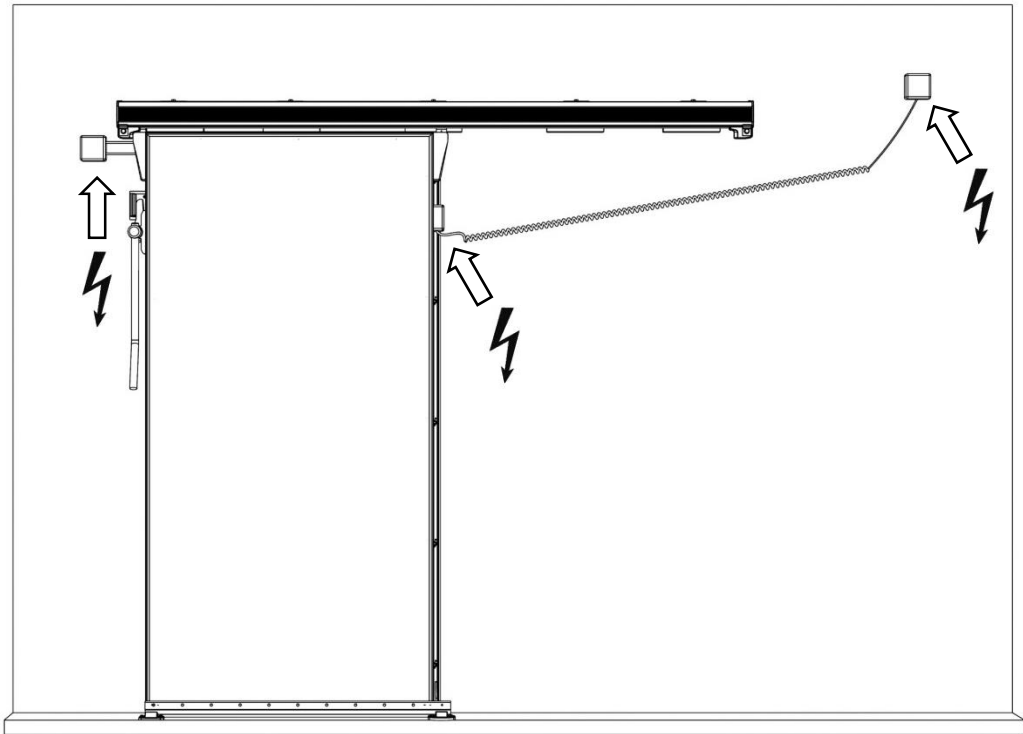
Step 11

Seal the space between the frame and the floor with silicone

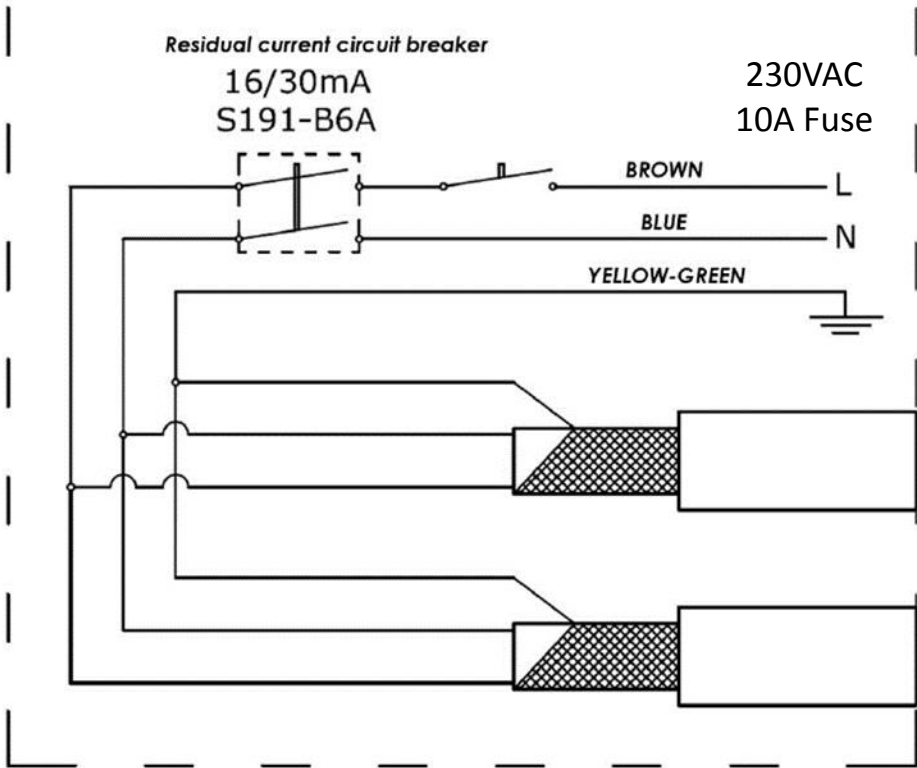


Step 12

Connect the heating wires



Power supply for heating wires



EC DECLARATION OF CONFORMITY

The last two digits are the year of marking with CE - 12

002/SKJ_120(SDF)/2012

(declaration number)

1. Manufacturer (place of production):

Ampol Serwis Sp. z o.o.
ul. Fabryczna 2
62-065 Grodzisk Wielkopolski
POLAND

2. Product name:

Inner door THERMOD
(group of products)
Door type SKJ 120 (SDF)
(type)
Grade 1

3. We hereby declare that our products meet following harmonized standards:

(F – fragments of standards)

EN 60335-1:2002 Household and similar electrical appliances - Safety. Part 1: General requirements (F)

EN 61293:1994 Marking of electrical equipment with ratings related to electrical supply - Safety requirements (F)

EN 62395-1:2006 Electrical resistance trace heating systems for industrial and commercial applications - Part 1: General and testing requirements

4. We hereby declare that our products meet following harmonized standards:

2006/95/WE Directive 2006/95/WE of the European Parliament and Council of 12th December 2006 on the harmonization of the laws of the Member States relating to electrical equipment designed for use within certain voltage limits (codified version)

This declaration of conformity is the basis for labeling a product with **CE** according to LVD directive.

This declaration relates only to the doors in the condition which they were introduced to the market, and excludes components which were added by the end user or subsequent actions carried out by him.

Adam Szliser

Member of Board
(signature)

Ulf Torbjorn Johansson

Member of Board
(signature)