

Manual No. 7045

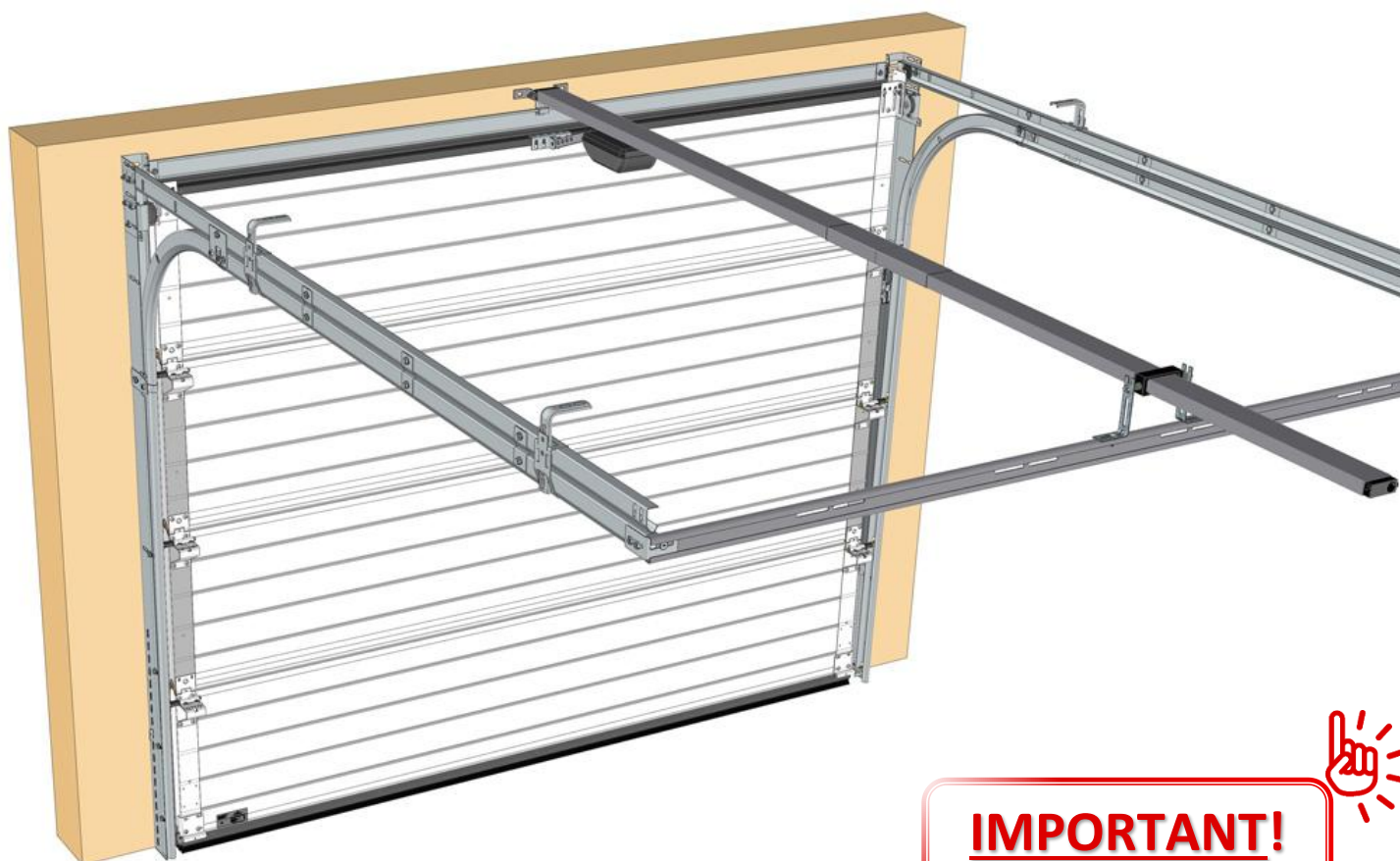
10/26

INSTALLATION

Residential garage door Manual or Motorized



RE100
(Extension Springs)



IMPORTANT!
Factory
pre-tensioned springs



(Document reserved for installers)

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Installation instructions



CAUTION!



**To ensure that this product is assembled,
used and maintained in complete safety,
it is important to follow the instructions provided in this document.
For everyone's safety, please adhere to the precautionary measures below.**

- Before beginning the assembly, read this manual carefully.
- This closure must be installed by a professional technician.
- All the parts delivered are specifically sized for this product.
Adding and/or using other parts may be detrimental to safety and may affect the product's warranty.
- Any modification or improvement of this closure must be compliant with the standard BS EN 13241: 2003+A2: 2016.
In this case, a " Modification/Transformation " file must be created by the installer as per the standard BS EN 12635: 2002+A1: 2008 annex C.
- Considerable force is exerted by the extension springs;
carry out work in accordance with the safety instructions.
Use the appropriate tools to install these products.
Ensure that all work is carried out on a stable floor.
- Ensure that the assembly area is adequately lit, clear, clean and clearly marked out.
- Ensure that no other people are present at the assembly site apart from the installers.
Indeed, non-authorized persons such as children, who are present at the site risk injury during assembly.
- All the components of this closure must be installed in compliance with the installation instructions provided in this manual.
- All the requirements of the standards BS EN 13241: 2003+A2: 2016 must be met and verified, if necessary.

Max. tightening torque:

Assembly screws = 10 Nm

Panels mounting screws = 12 Nm

Min. working load per attachment point:

Rails = 40 daN

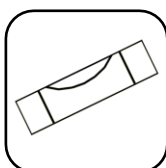
Before installation

Required equipment

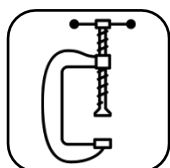


Laser level

or



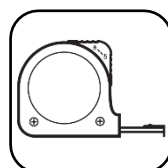
Spirit level



Clamps



Plumb bob



Tape measure



Pencil



Ladder



Utility knife



Grinder



Cutting
pliers



Locking
pliers



Hammer



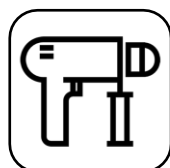
PZ1 - 2
Pozidriv
screwdriver



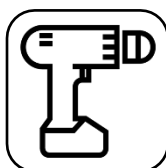
Allen key



Flat keys



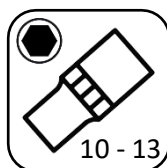
Perforator



Electric
screwdriver



Steel drill bits
Ø5-10-13



Sockets



PZ1 - 2
Pozidriv bits



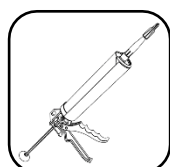
Torx bit



Brush



Pot of grease



Silicone seal

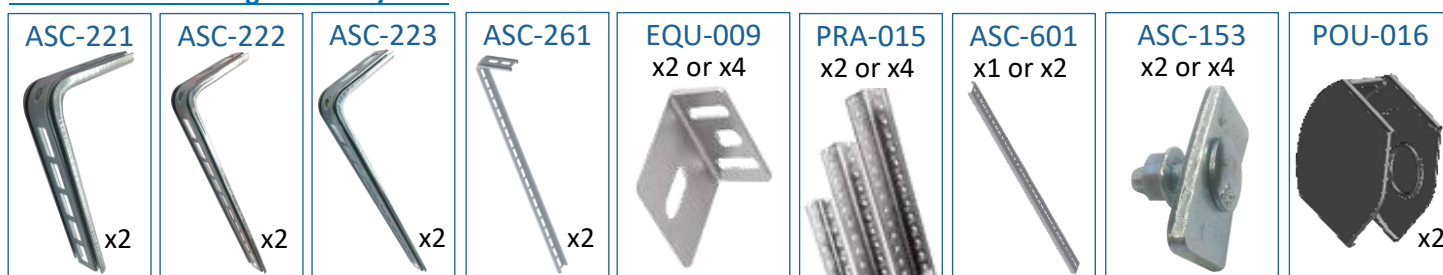
Kit contents for each door configuration/option

Kits and accessories for MOTORIZED and MANUAL door

Kits for the guidance system:



Accessories for the guidance system:



Length 176 mm Length 350 mm Length 408 mm Length 611 mm

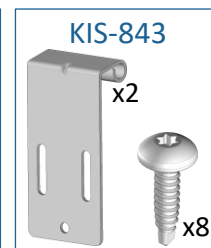
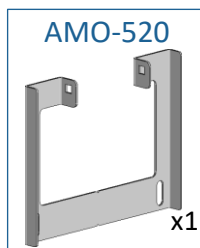
Kits for the door:



Accessories for the door:



Kits for MOTORIZED door depending on configurations



For SOMMER motor For SOMFY motor

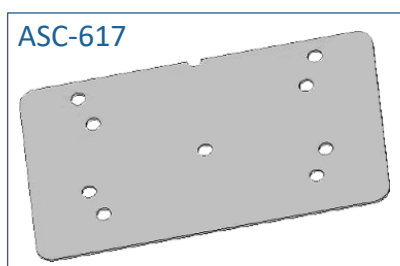
Kits for MANUAL door



Optional on motorized door



Also supplied with the motor lock release option



Kits and accessories for MANUAL door (1-point lock option) - Manual 9214



With cassette door only



Different number

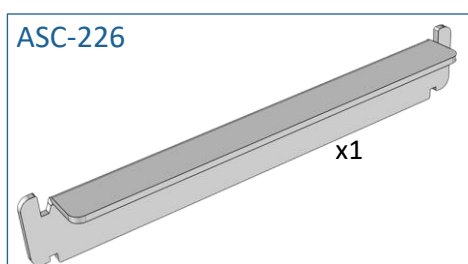


Same number



With cassette door only

Tool supplied



Tension spring tool

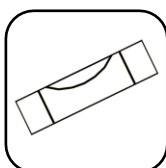
Installation of the guidance system

Necessary tools

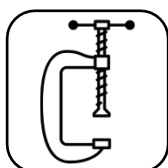


Laser level

or



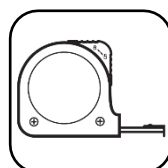
Spirit level



Clamps



Plumb bob



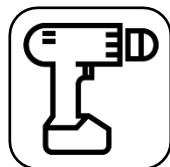
Tape measure



Ladder



Utility knife



Electric
screwdriver



Socket
13



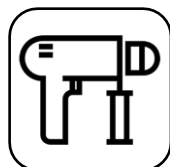
Pozidriv bit
PZ1



Torx bit
30



Flat key
13



Perforator



Grinder



Cutting
pliers

Necessary kits and accessories



Standard:

KIS-826, KIS-824, KIS-880, KIS-839, KIS-865,
ASC-221 or ASC-222 or ASC-223 or ASC-261 or EQU-009 or PRA-015.



Motorized door:

KIS-827, KIS-822 or KIS-823.

OR



Manual door:

KIS-805.

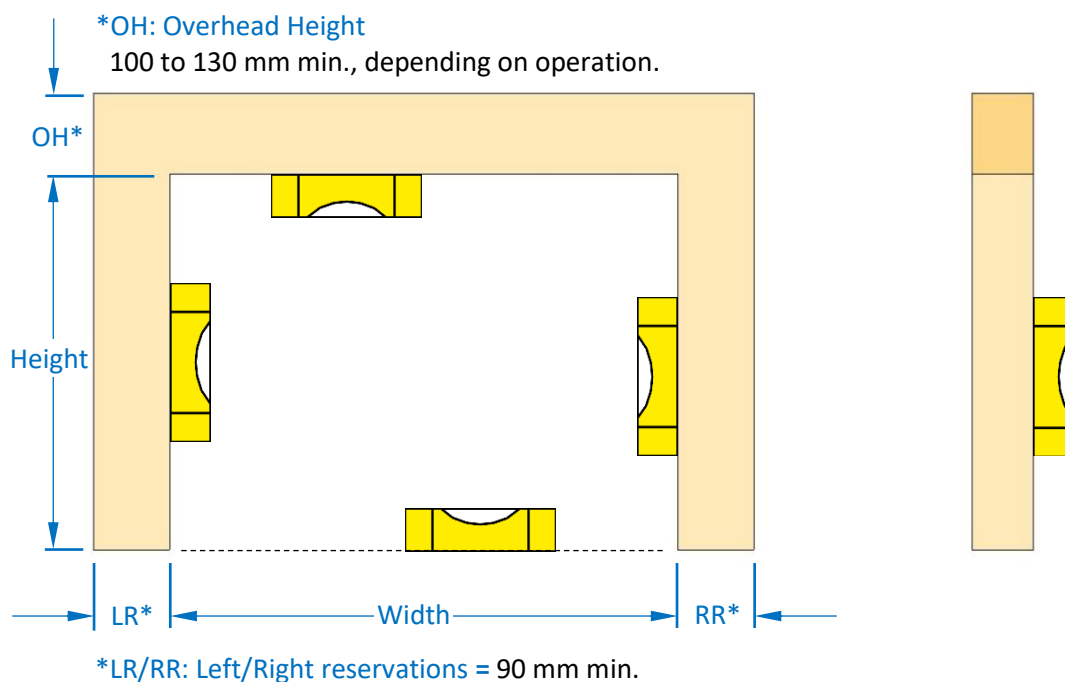
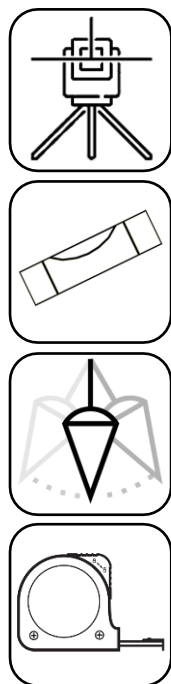


Option extension of back bar:

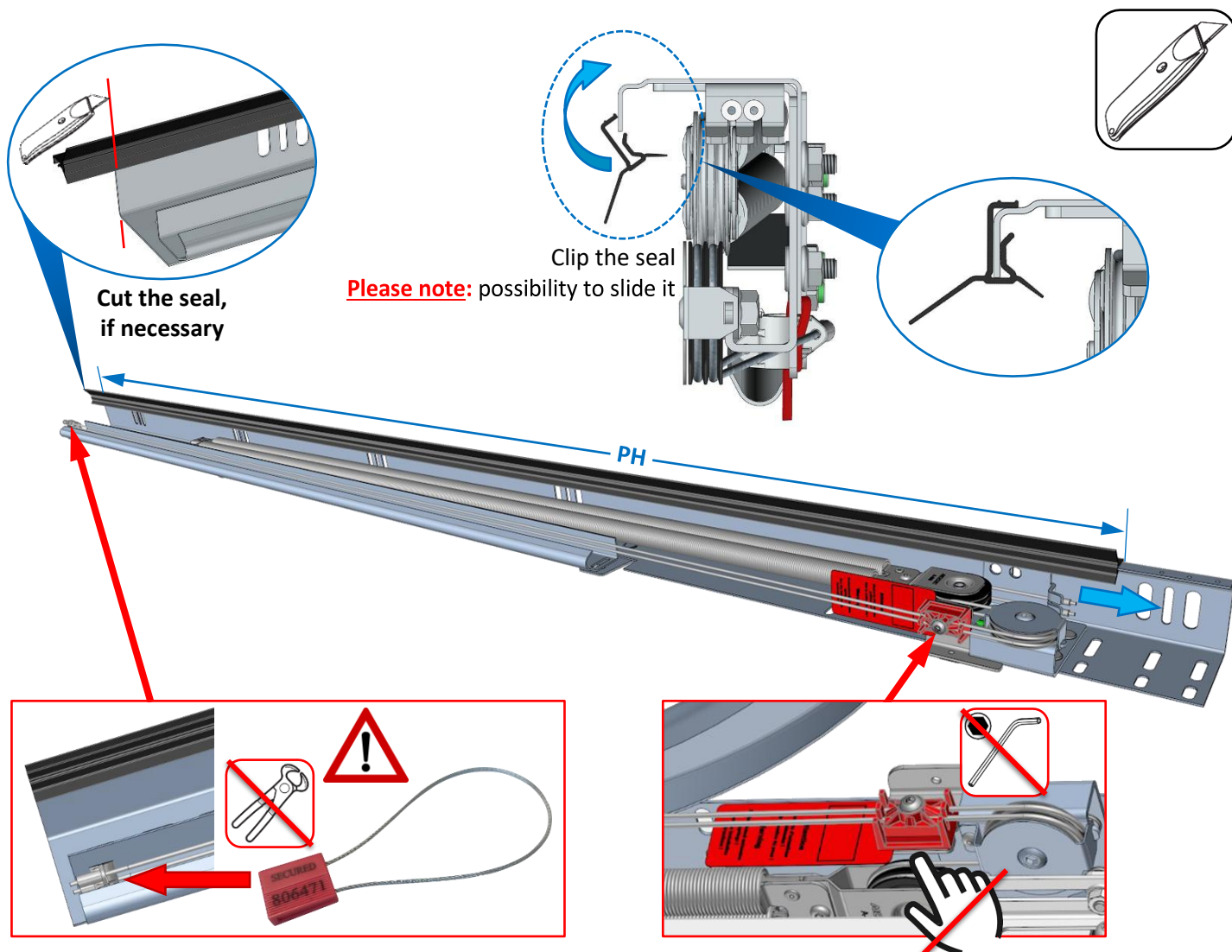
KIS-829 or KIS-861, ASC-153, ASC-601.

Vertical rail installation

Checking the bay

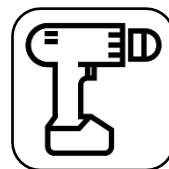
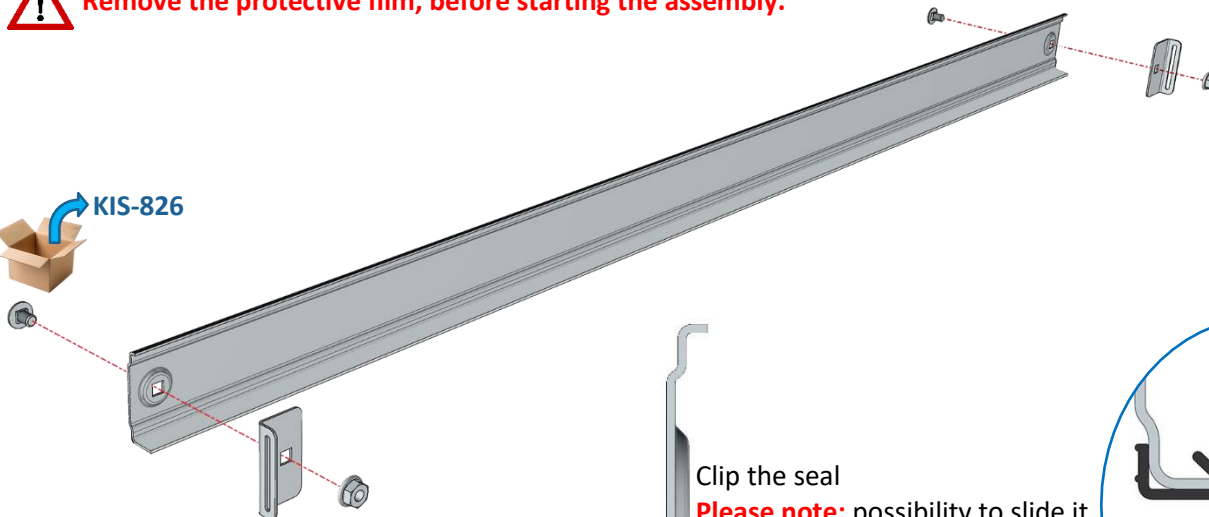


As standard: mounting of vertical seals



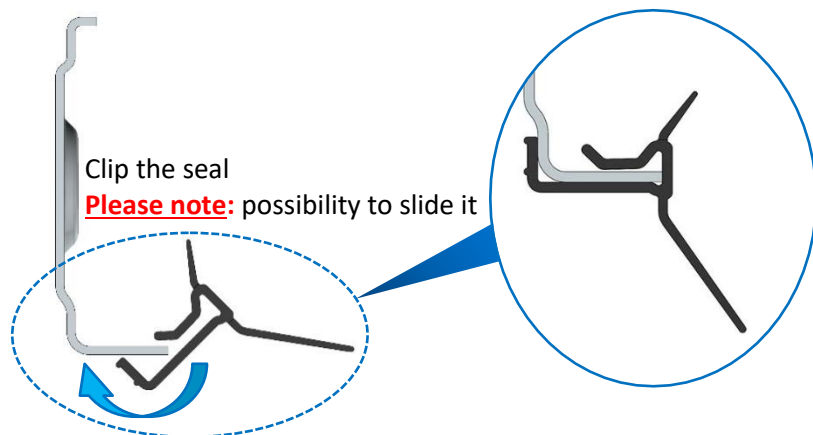
As standard: mounting the brackets and the seal on the cross-member

 **Remove the protective film, before starting the assembly.**

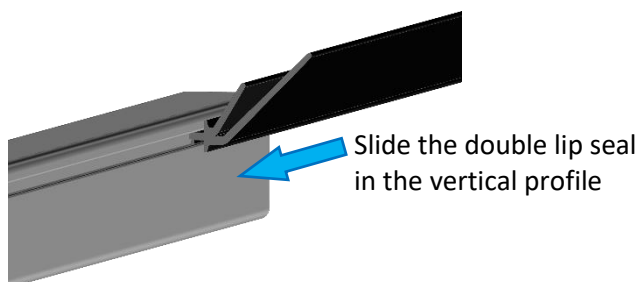


Clip the seal

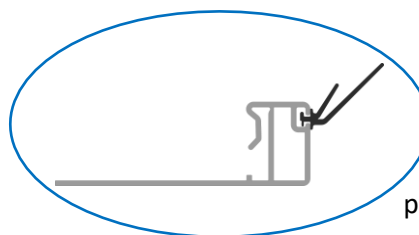
Please note: possibility to slide it



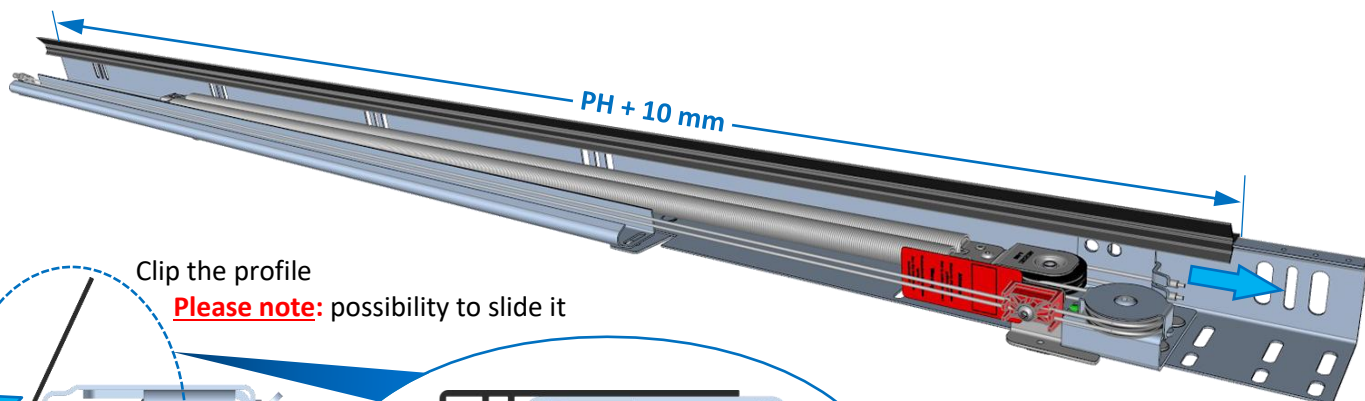
Thermal insulation OPTION: mounting of vertical seals



Slide the double lip seal
in the vertical profile

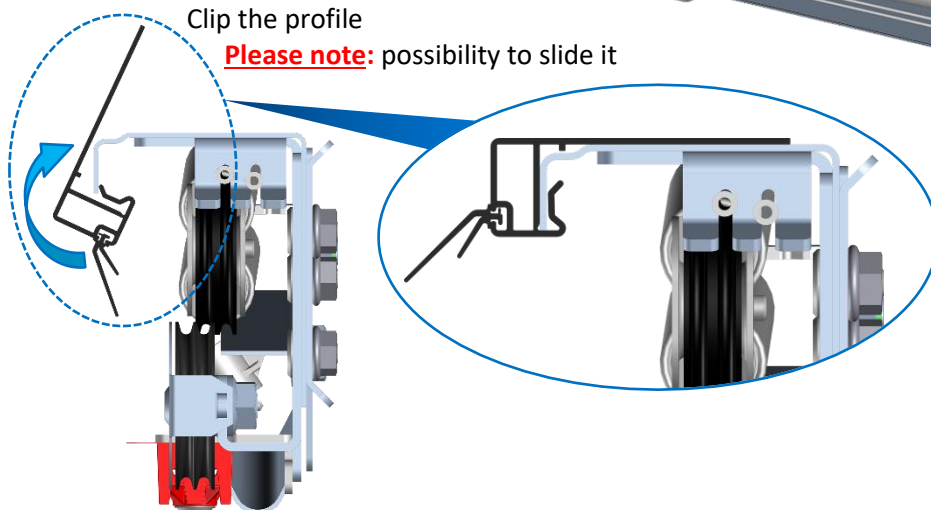


Cut the seal
protruding from the profile



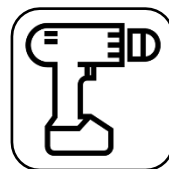
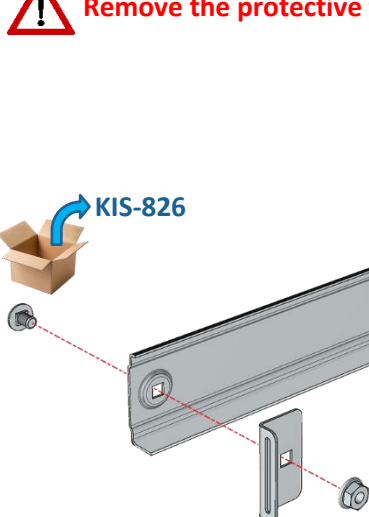
Clip the profile

Please note: possibility to slide it

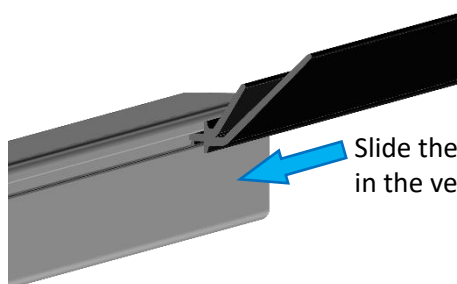


Thermal insulation OPTION: mounting the brackets and the seal on the cross-member

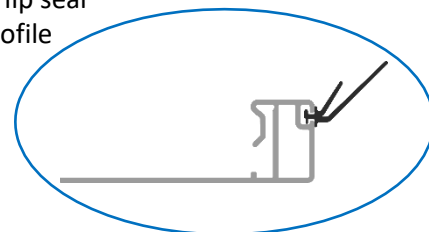
Remove the protective film, before starting the assembly.



Cut the seal protruding from the profile

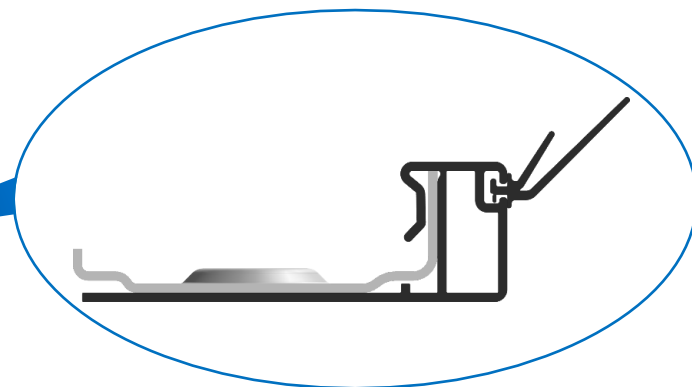
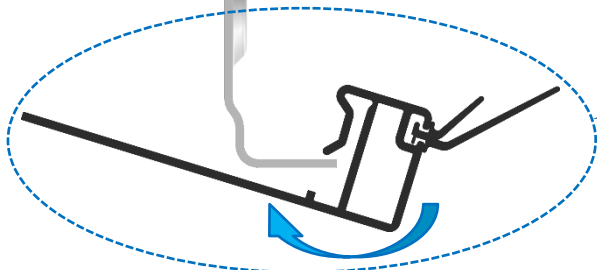


Slide the double lip seal in the vertical profile

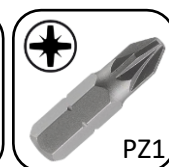
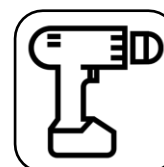
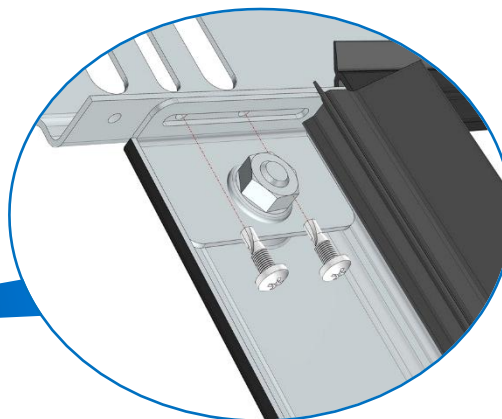
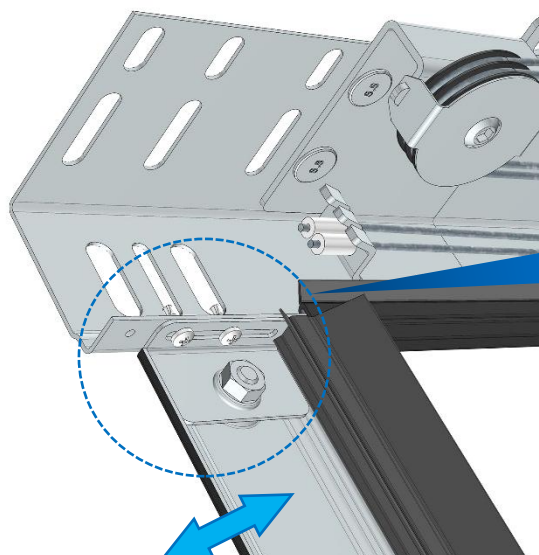


Clip the profile

Please note: possibility to slide it



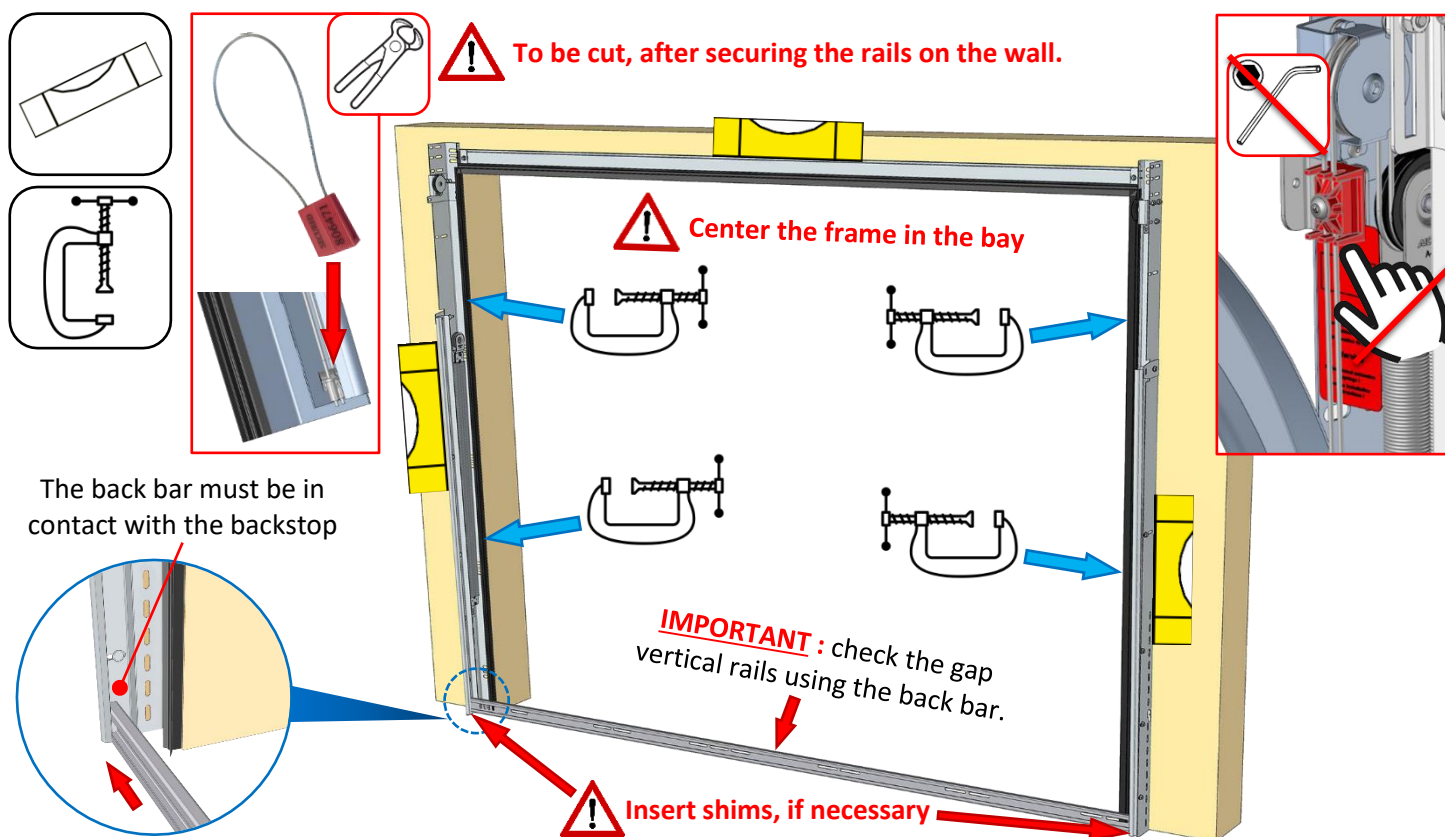
Fixing of the cross-member to the floor



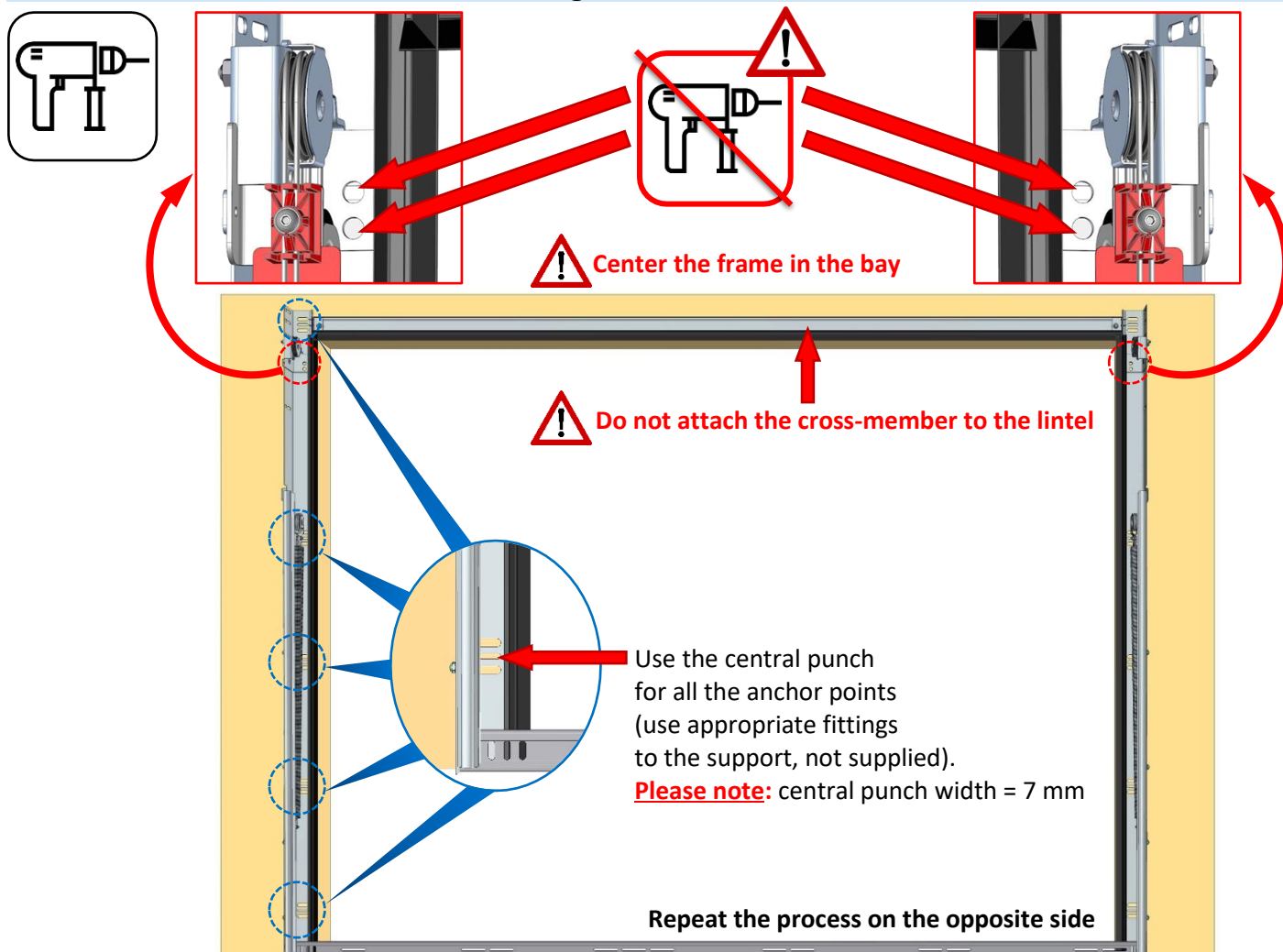
The vertical position of the cross-member will be adjusted once the rails have been mounted on the wall

Repeat the process with the other vertical rail

Layout of the frame

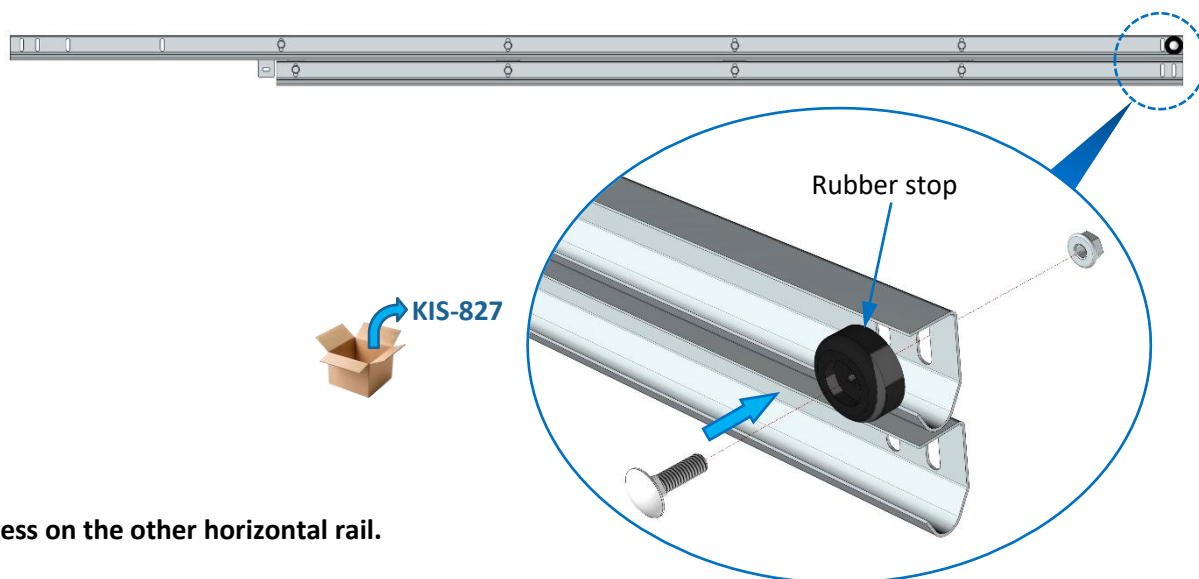
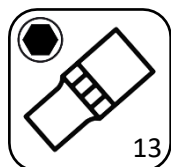
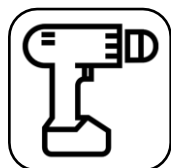


Fixing the vertical rails



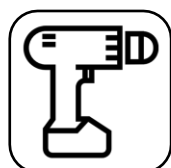
Horizontal rail installation

Mounting of stops (motorized doors)

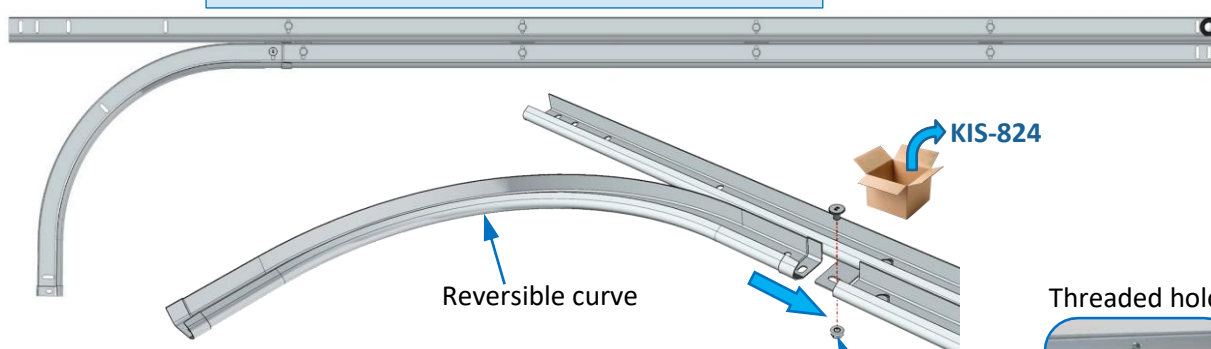


Repeat the process on the other horizontal rail.

Assembling of curves

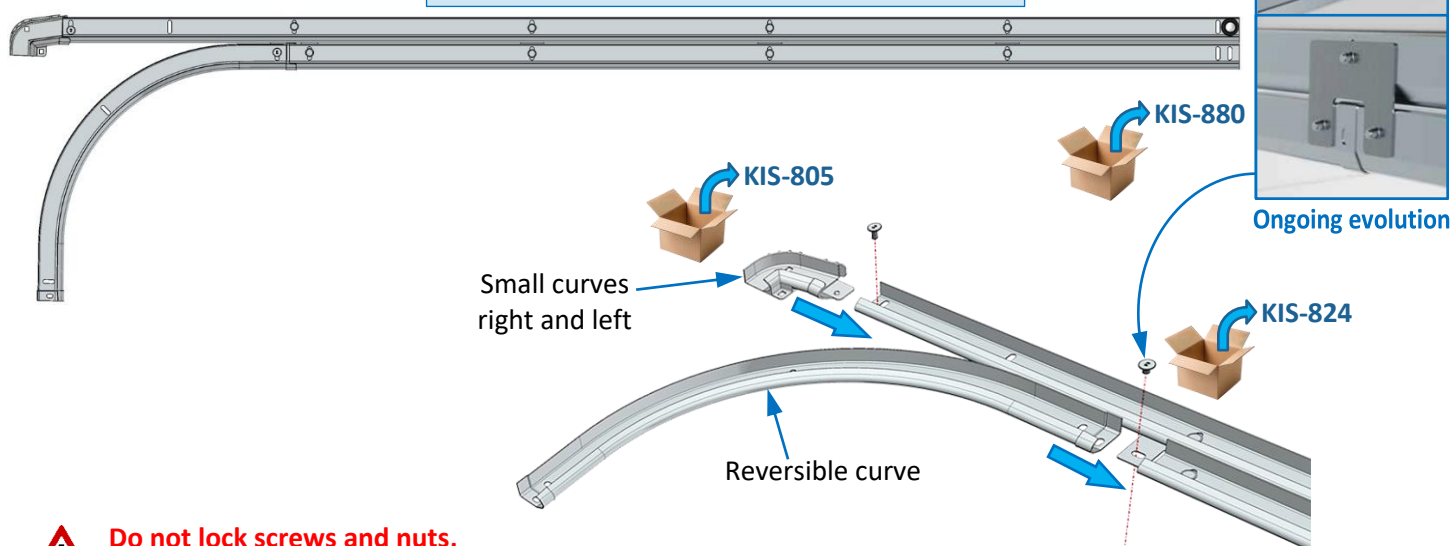


HORIZONTAL RAILS for Motorized door



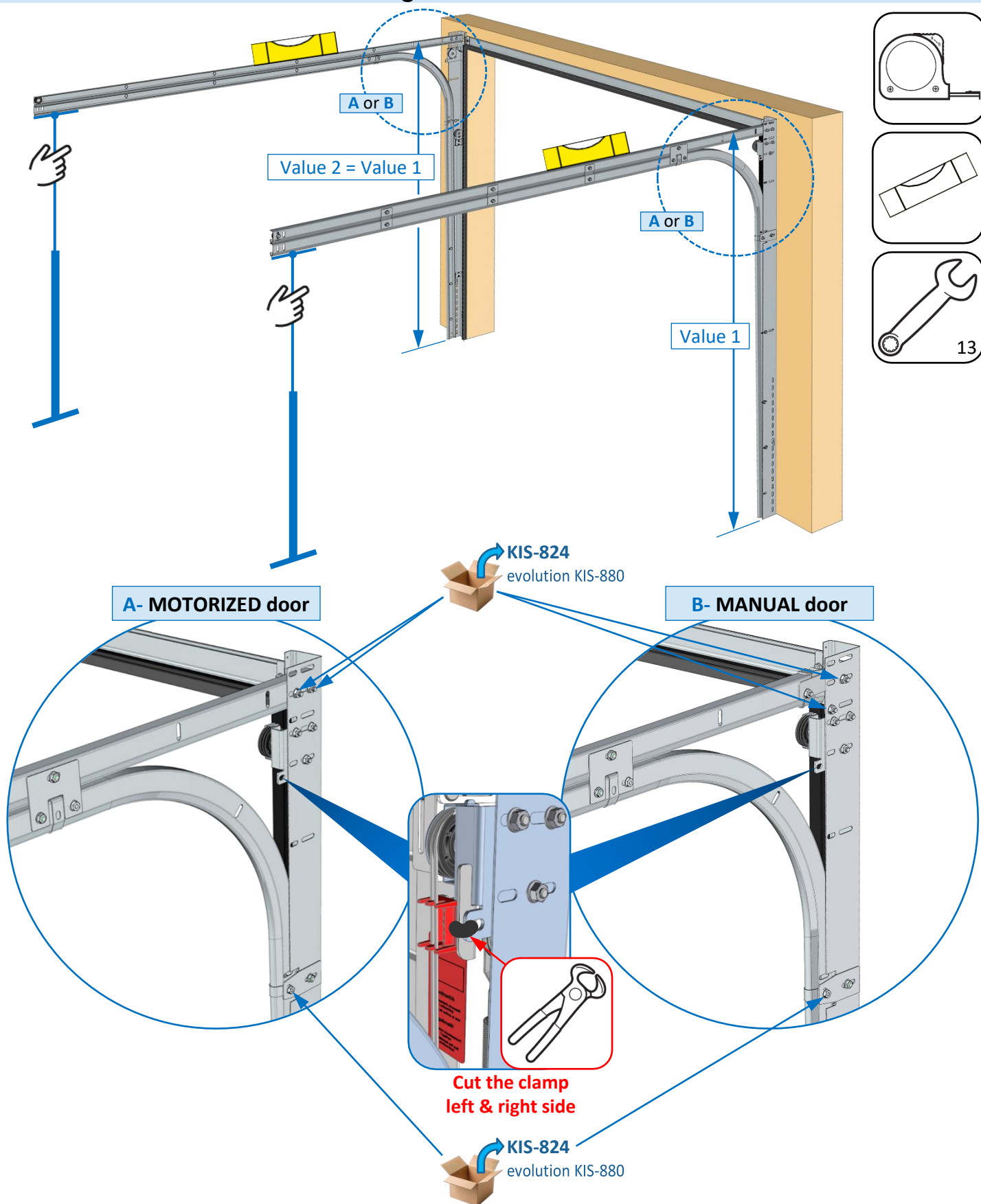
OR

HORIZONTAL RAILS for Manual door

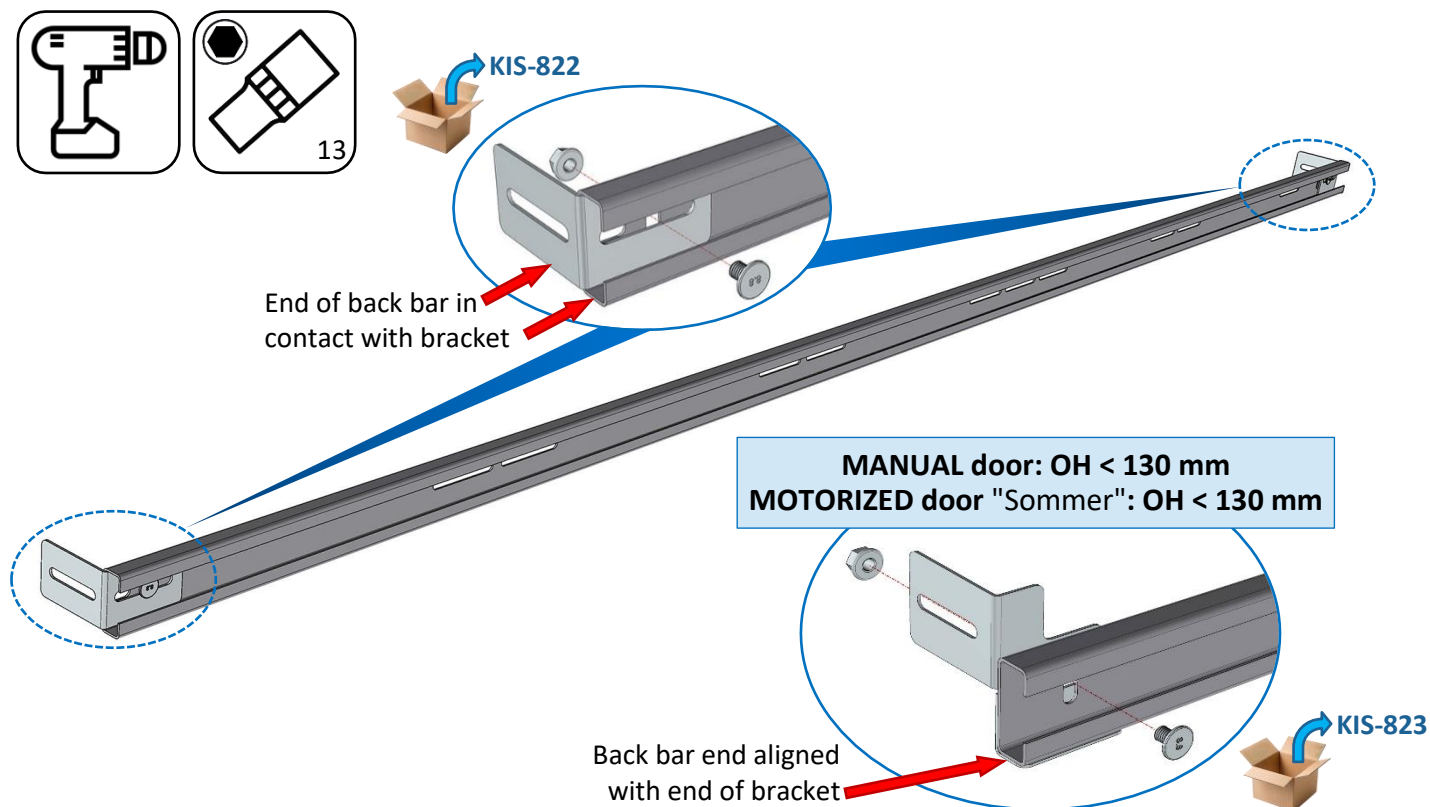


**Do not lock screws and nuts,
to facilitate adjustment during installation.**

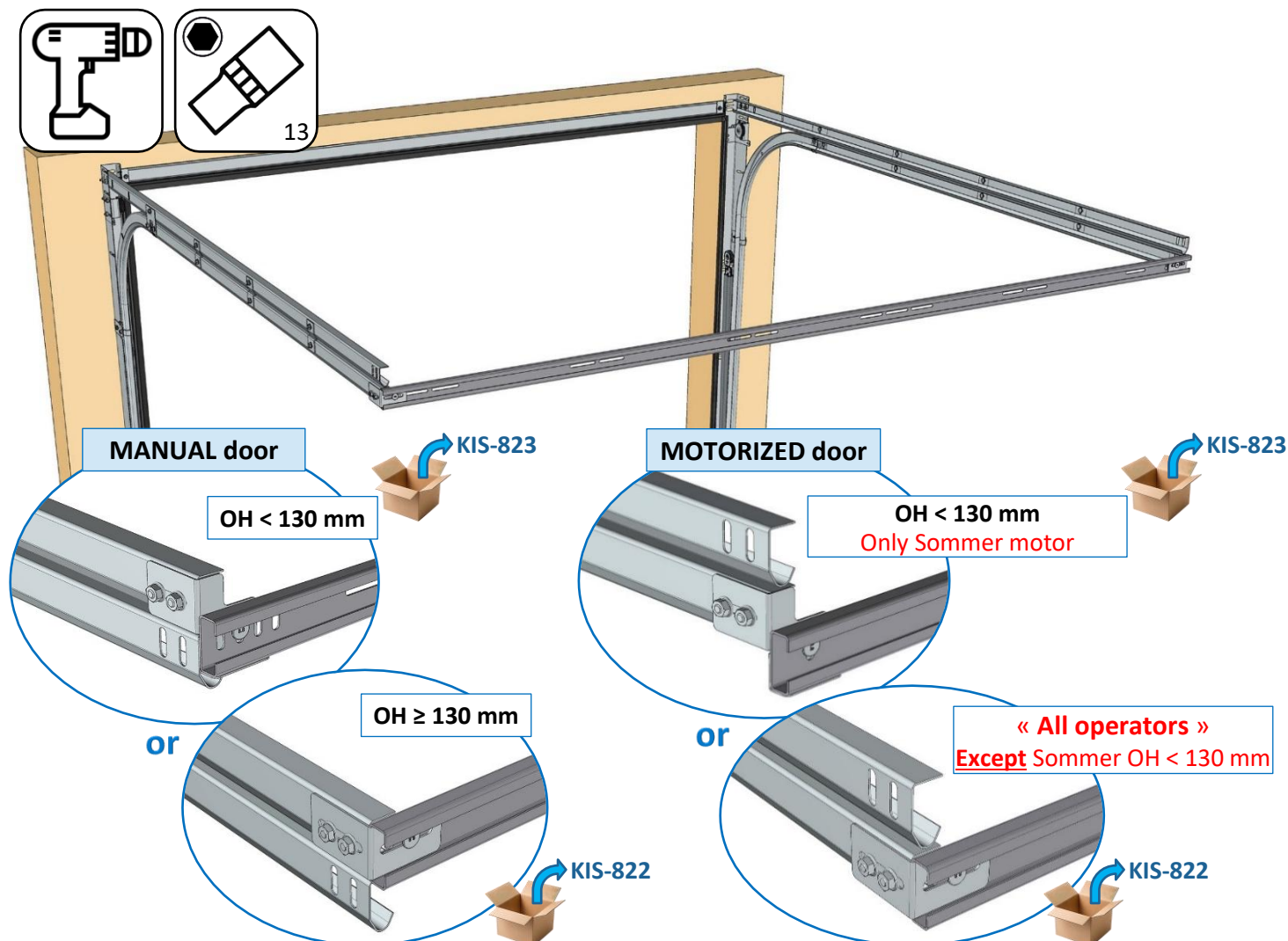
Fixing the horizontal rails



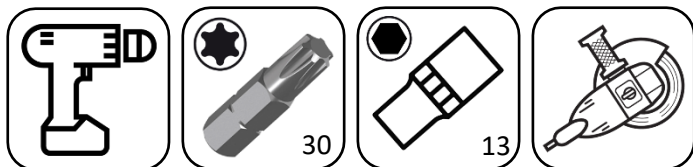
Assembling the back bar brackets



Installing the back bar



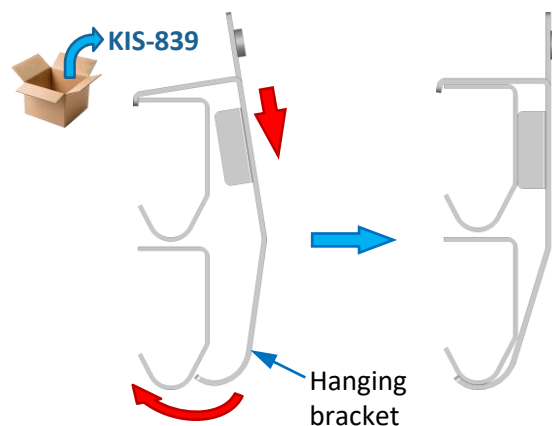
Installing the hangers



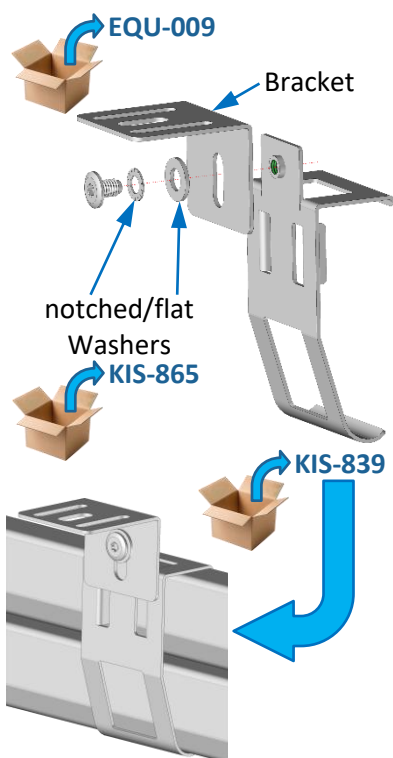
Adapt the number of hangers to the dimensions of the doors:

- 2 hangers, if PW ≤ 3000 or PH ≤ 2150 mm
- 4 hangers, if PW > 3000 or PH > 2150 mm

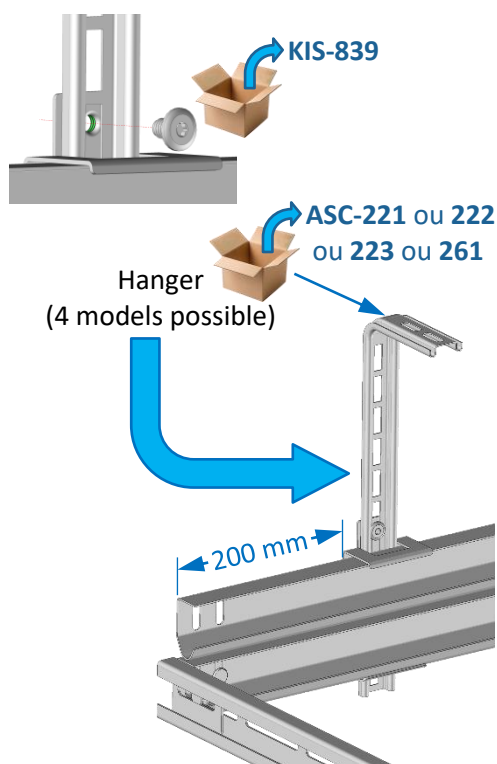
Do not fasten the hangers to the masonry.
Do not fully tighten the screws and the nuts.



Assembly: OH ≤ 115 mm

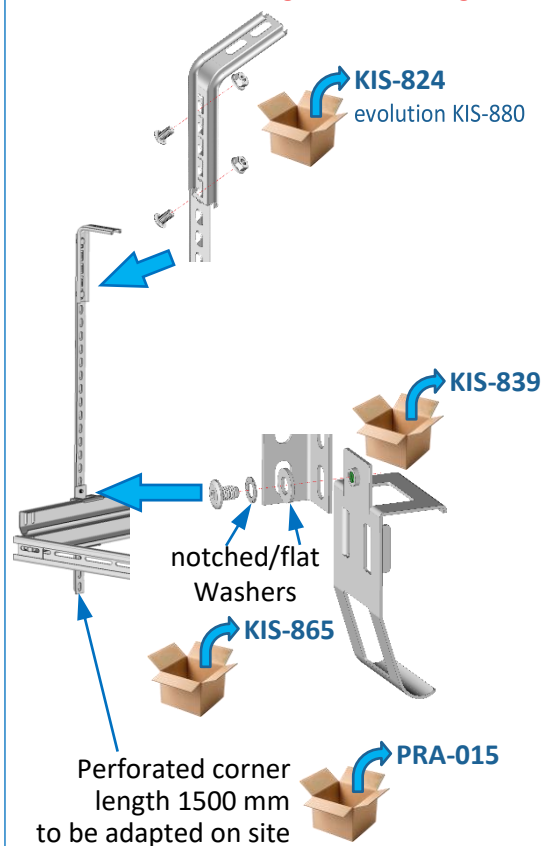


Assembly: 115 mm < OH ≤ 670 mm



Assembly: 670 mm < OH ≤ 1600 mm

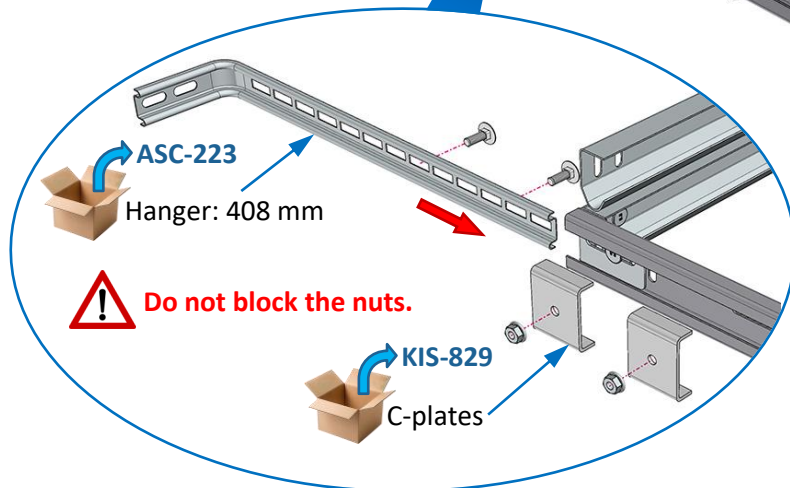
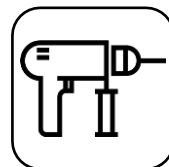
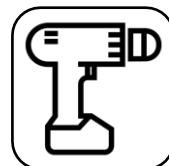
IMPERATIVE: Triangulate the hanger



Back bar extension (option)

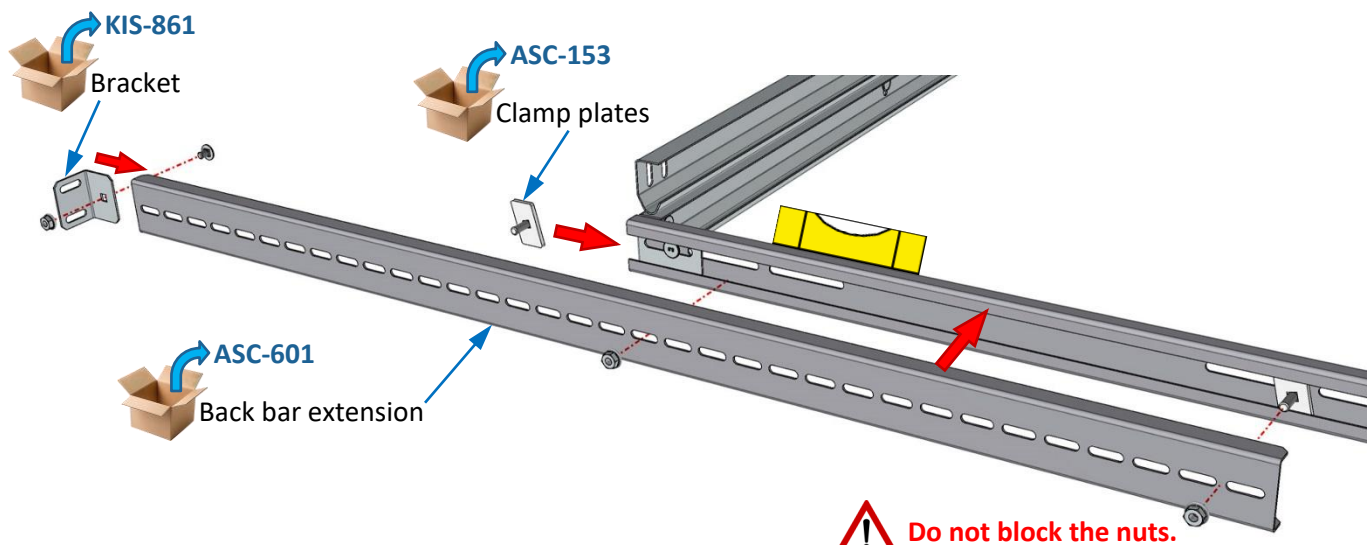
The hanging brackets must always be assembled

Reservation ≤ 300 mm



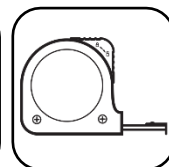
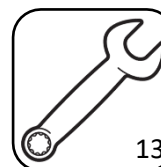
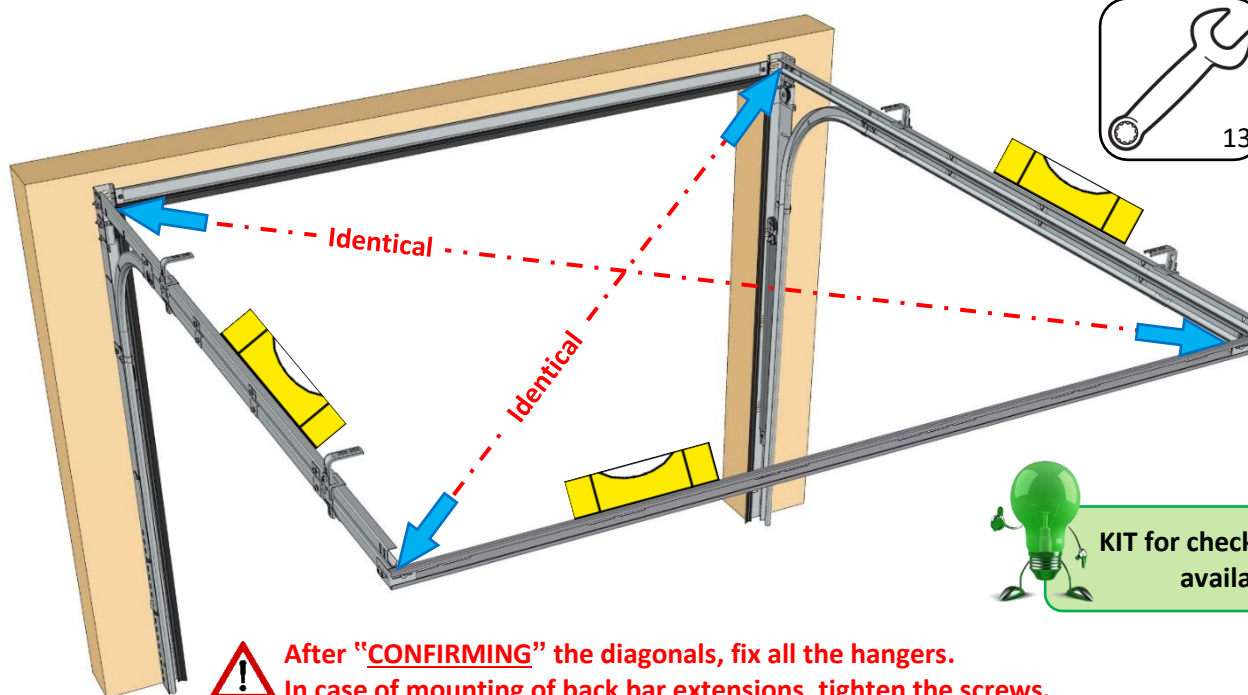
Repeat the process on the opposite side

300 mm < Reservation ≤ 1000 mm



Repeat the process on the opposite side.

Checking the diagonals



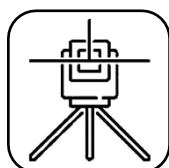
After "**CONFIRMING**" the diagonals, fix all the hangers.
In case of mounting of back bar extensions, tighten the screws.



KIT for checking diagonals,
available in OPTION

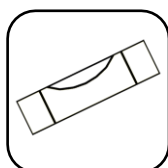
Installation of the door

Necessary tools



Laser level

or



Spirit level



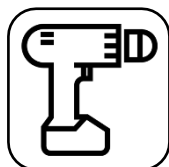
Ladder



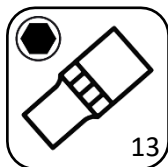
Utility knife



Locking
pliers



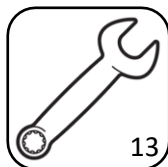
Electric
screwdriver



Socket
13



Torx bit
30



Flat key
13

Necessary kits and accessories



Standard:

GAL-047, CHA-027, KIS-858 or KIS-852, KIS-033 and/or KIS-039, KIS-092 and/or KIS-098 (tandem rollers), KIS-835 and/or KIS-836, KIS-830.



Motorized door:

KIS-843 (upper roller supports).

OR



Manual door:

KIS-842.

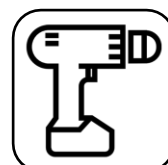
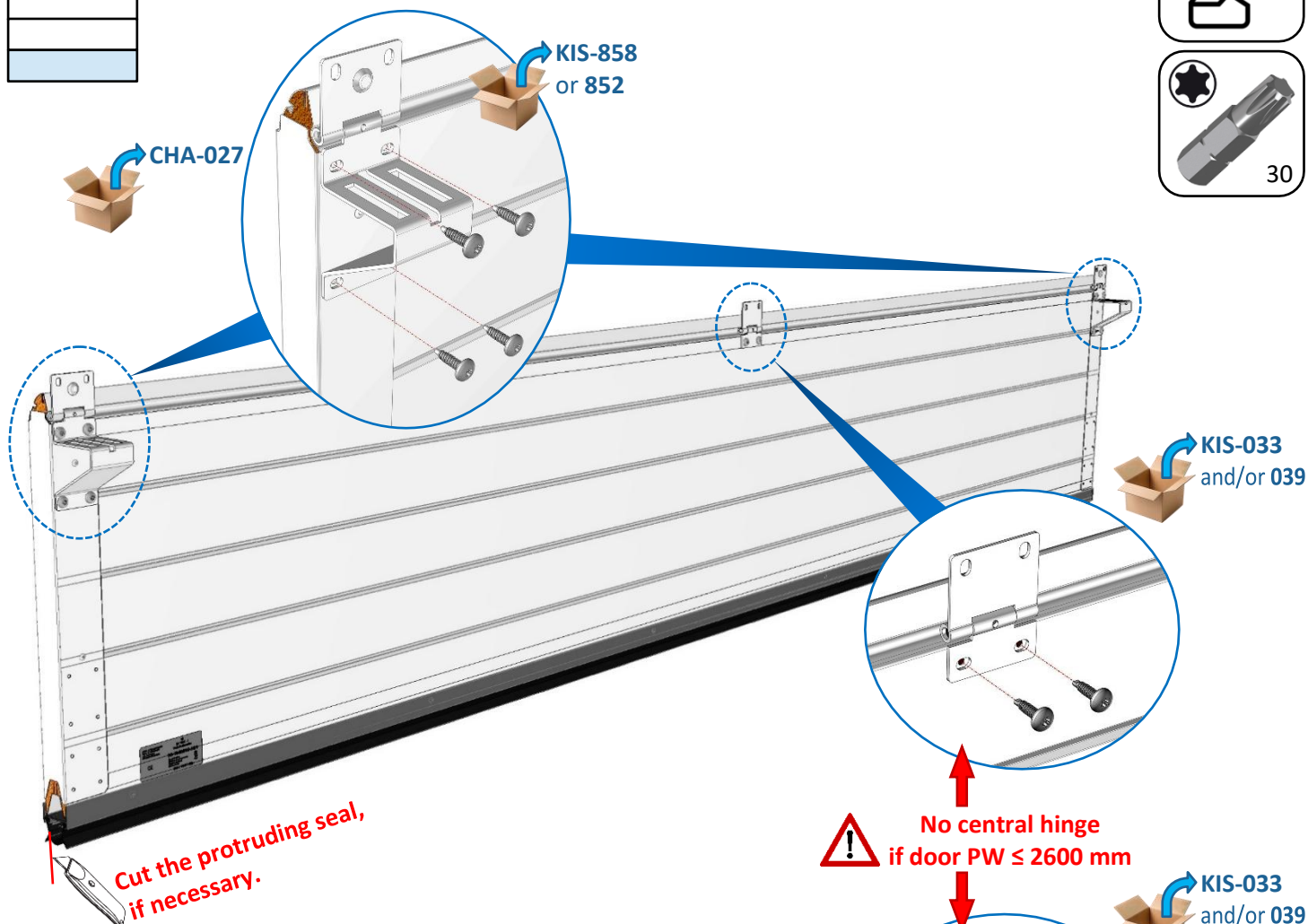
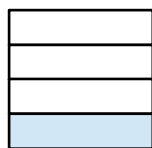
Preparation

Grease all roller shafts

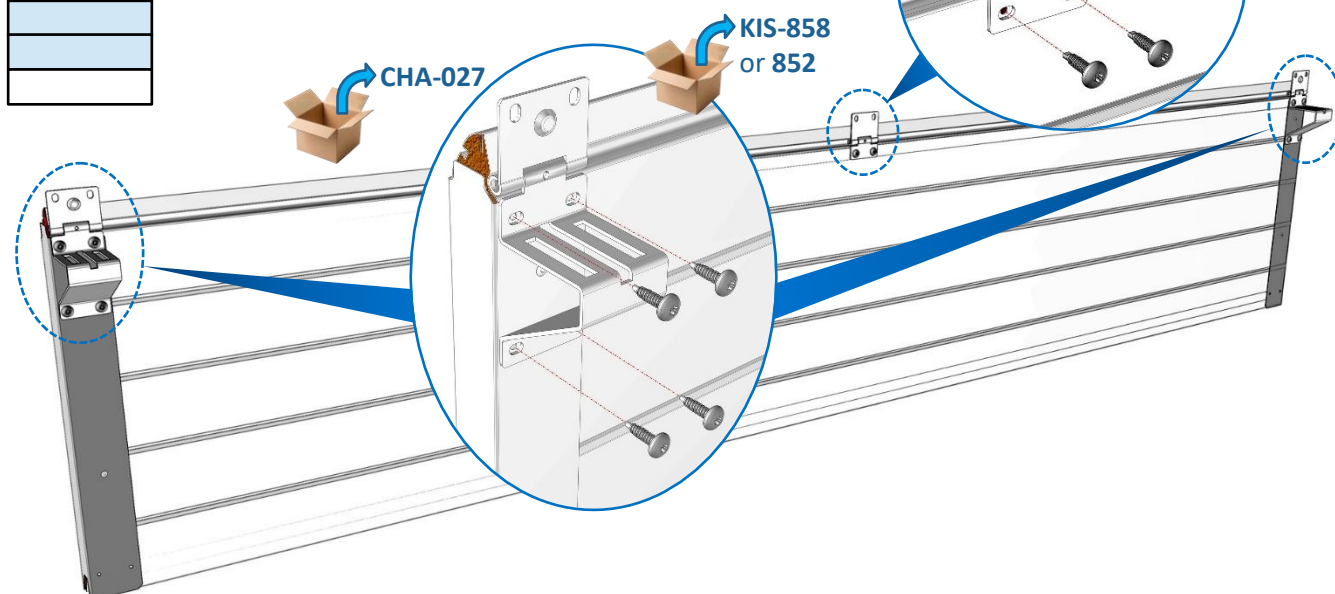
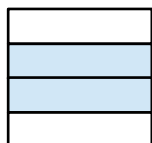


Panels preparation

BOTTOM PANEL

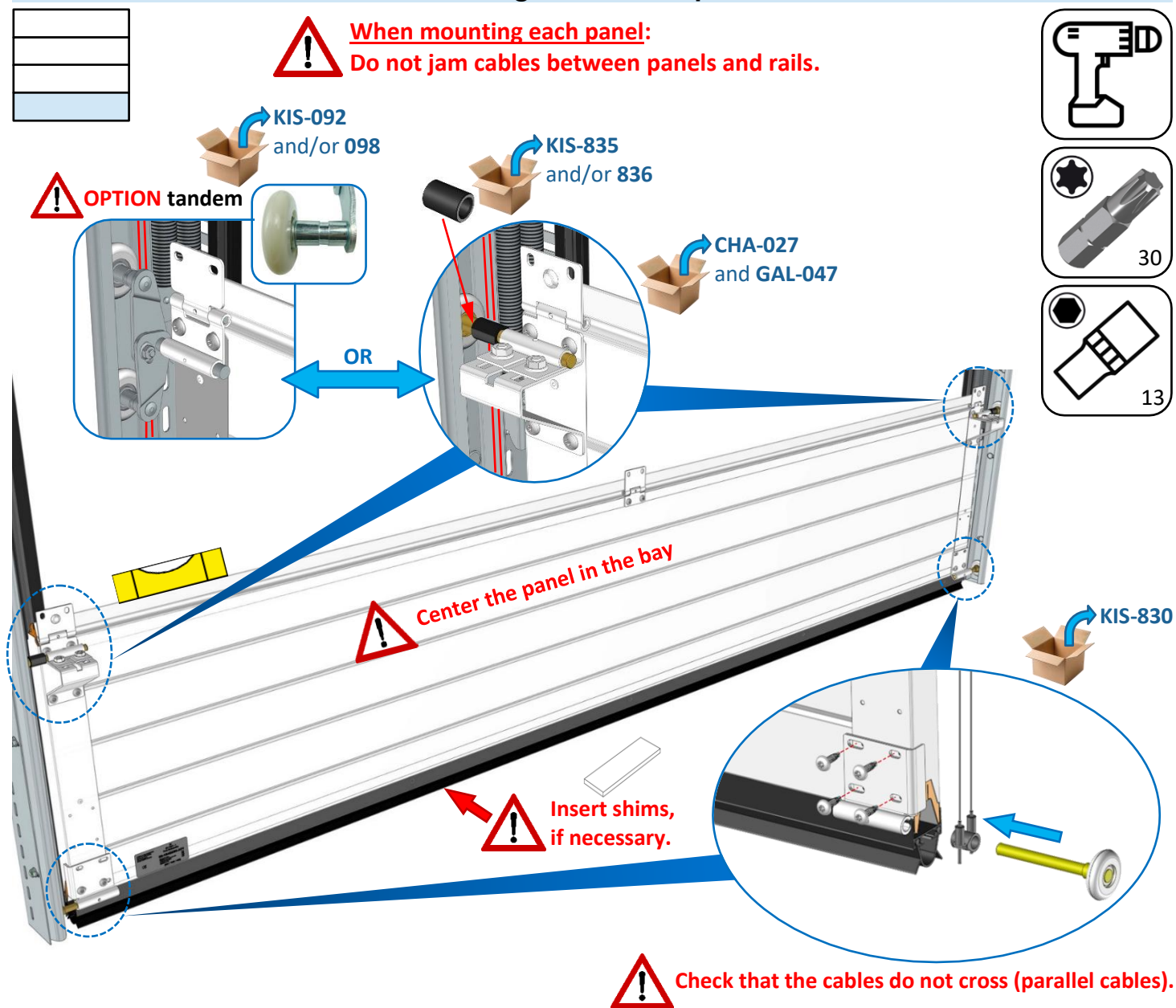


INTERMEDIATE PANEL(S)

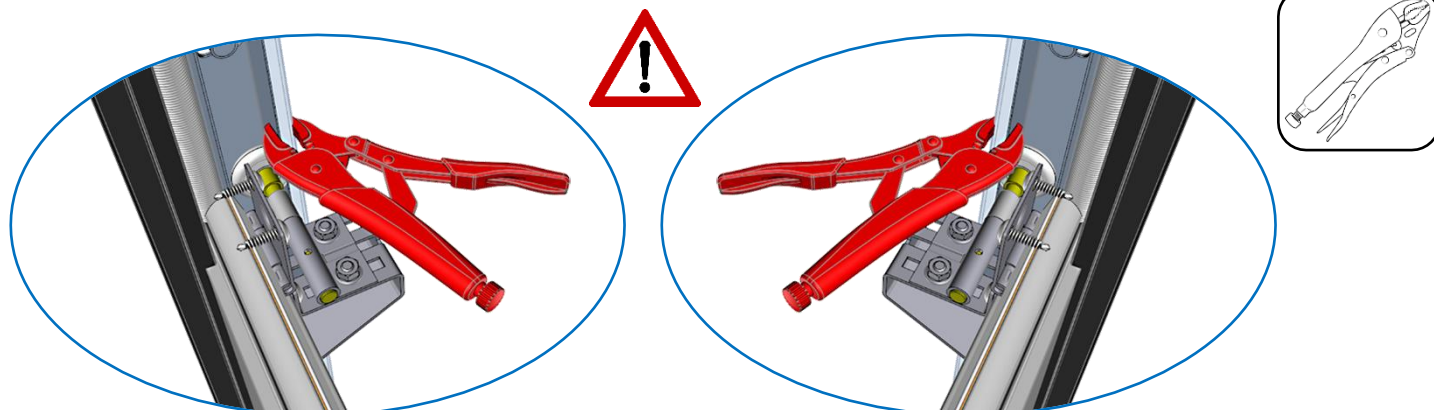


Mounting of the panels

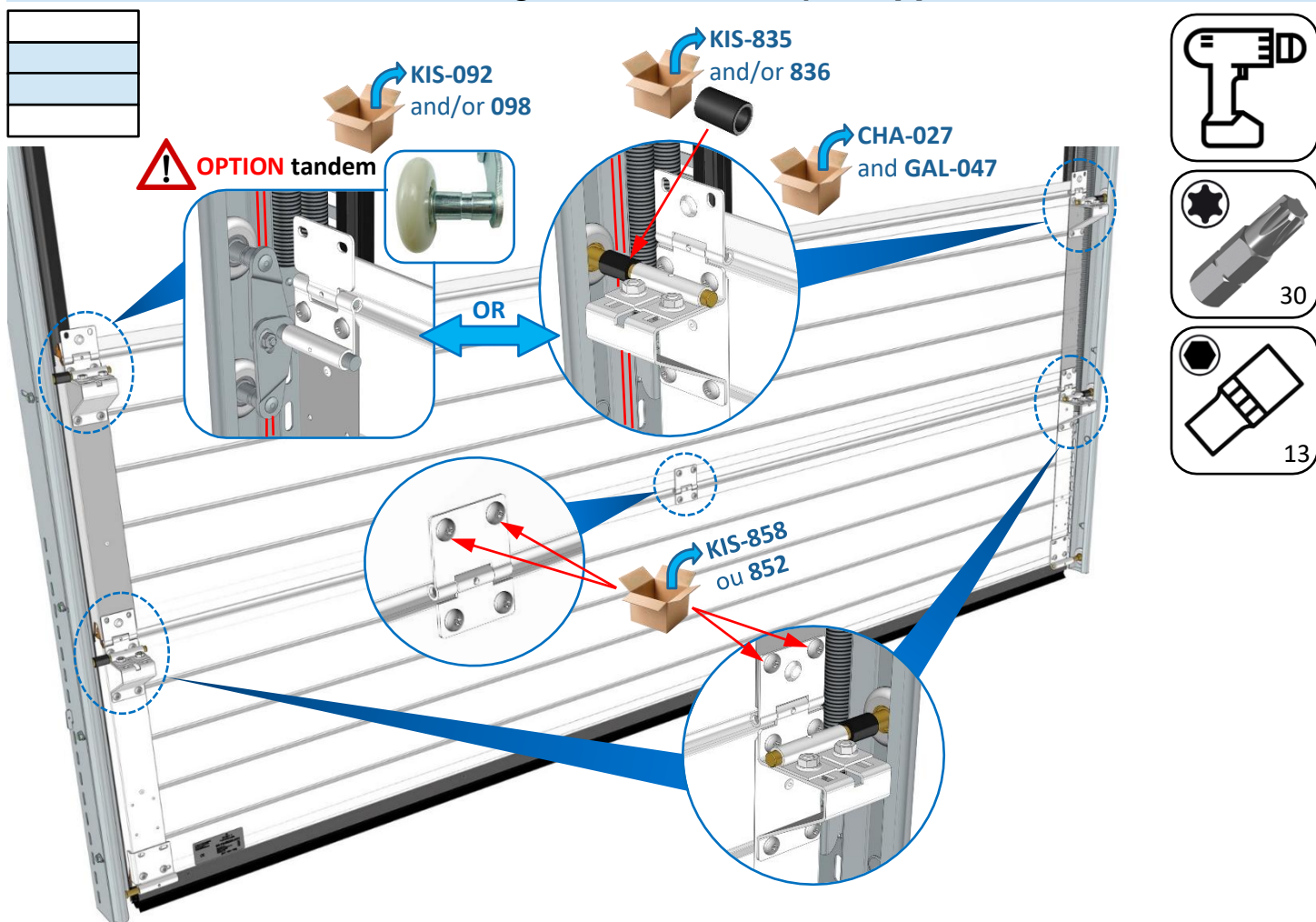
Installing the bottom panel



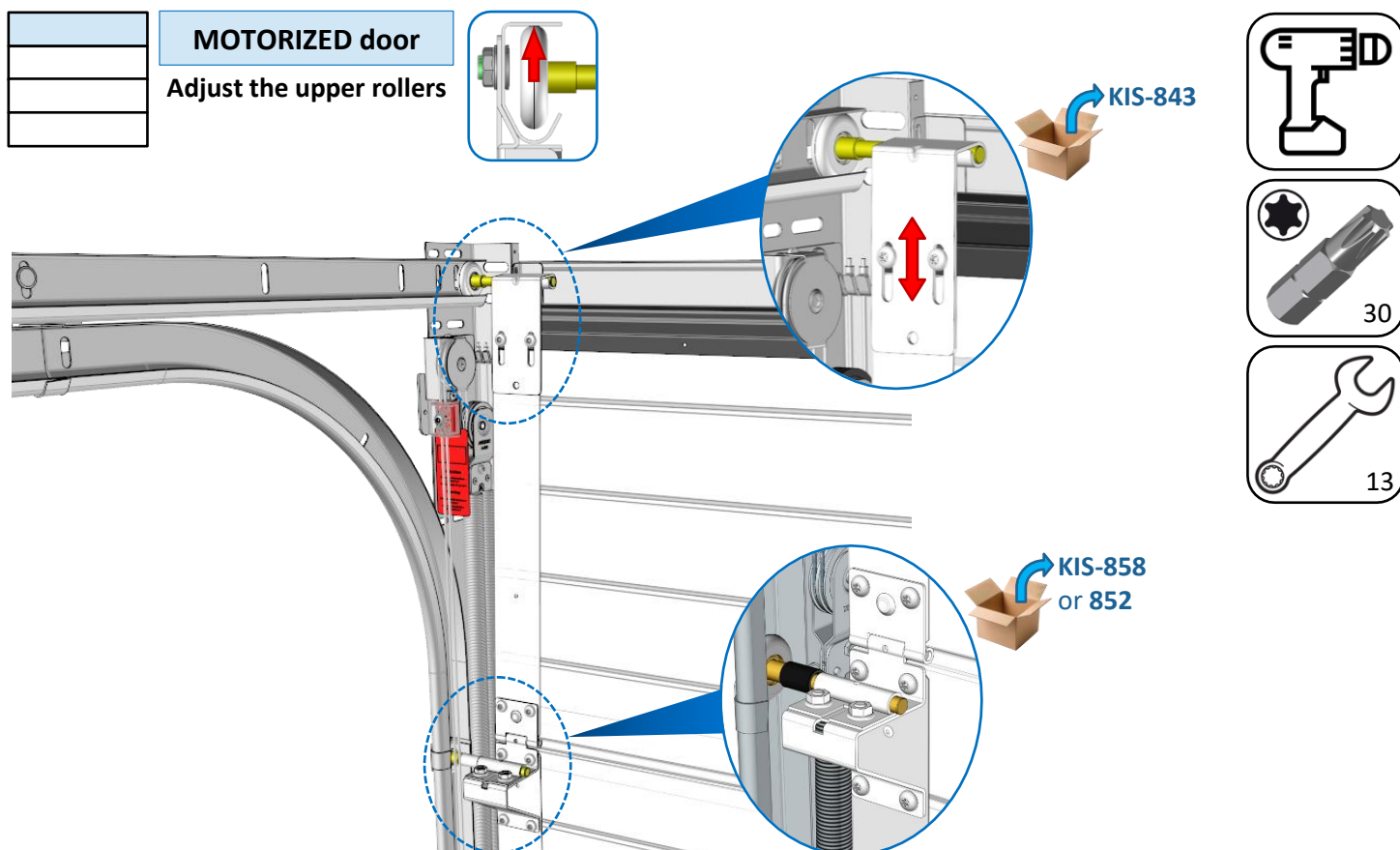
Secure mounting of the panels on both sides



Installing the intermediate panel(s)

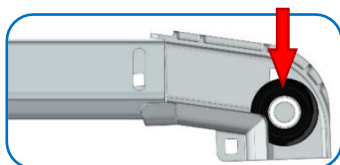


Installing the top panel



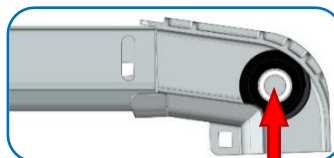
MANUAL door

Adjust the upper rollers

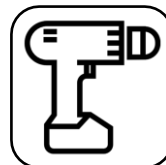
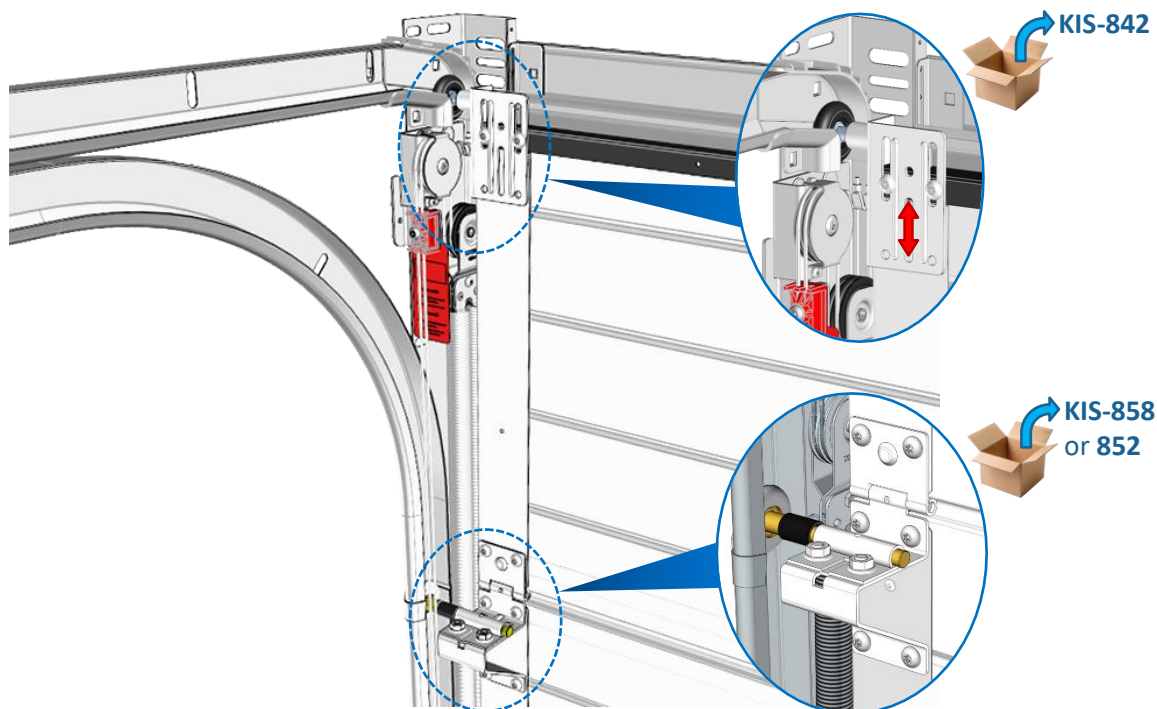


Manual version

or

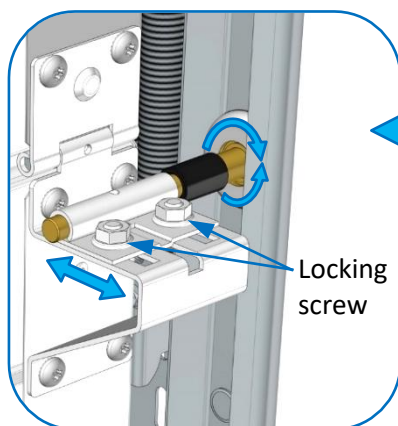


Motorized version

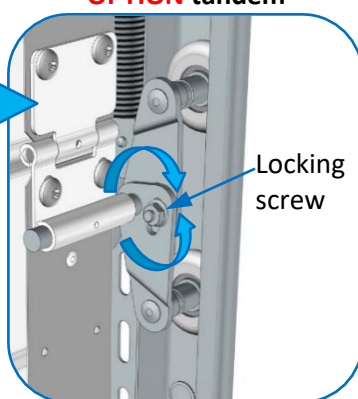


Adjusting the rollers

OPTION tandem



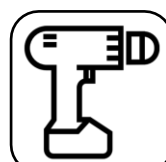
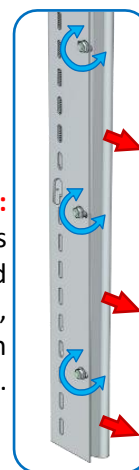
OR



Locking screw

Locking screw

Please note:
if the panels
jams at the end
of closing,
move the bottom
of the rails.



**The roller rod must be able to turn freely.
Do not crush the panels on vertical joints.**

Repeat the process for all rollers.

Commissioning of the door

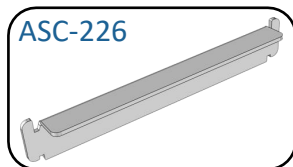
Necessary tools



Ladder



Allen key



Tension spring tool

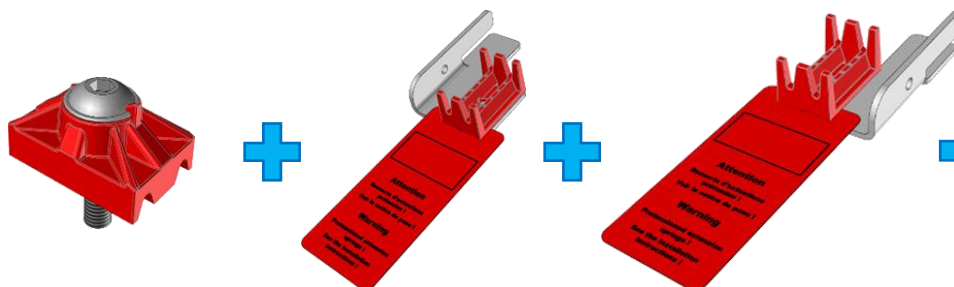
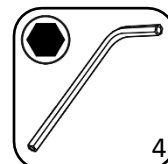
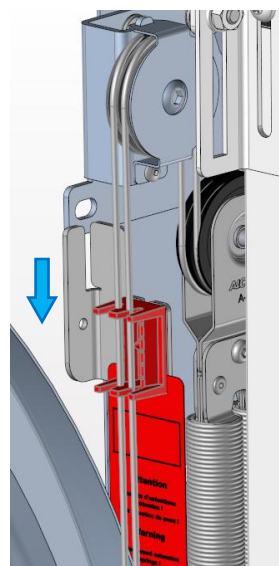
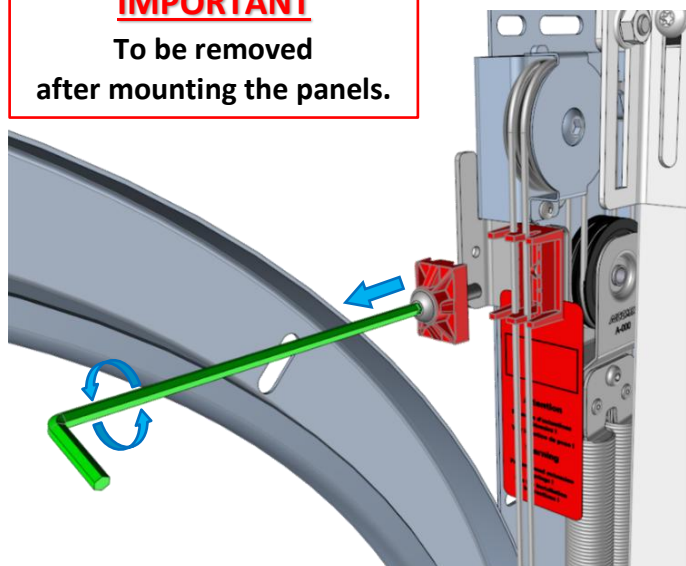


Locking pliers

Removal of top safety parts

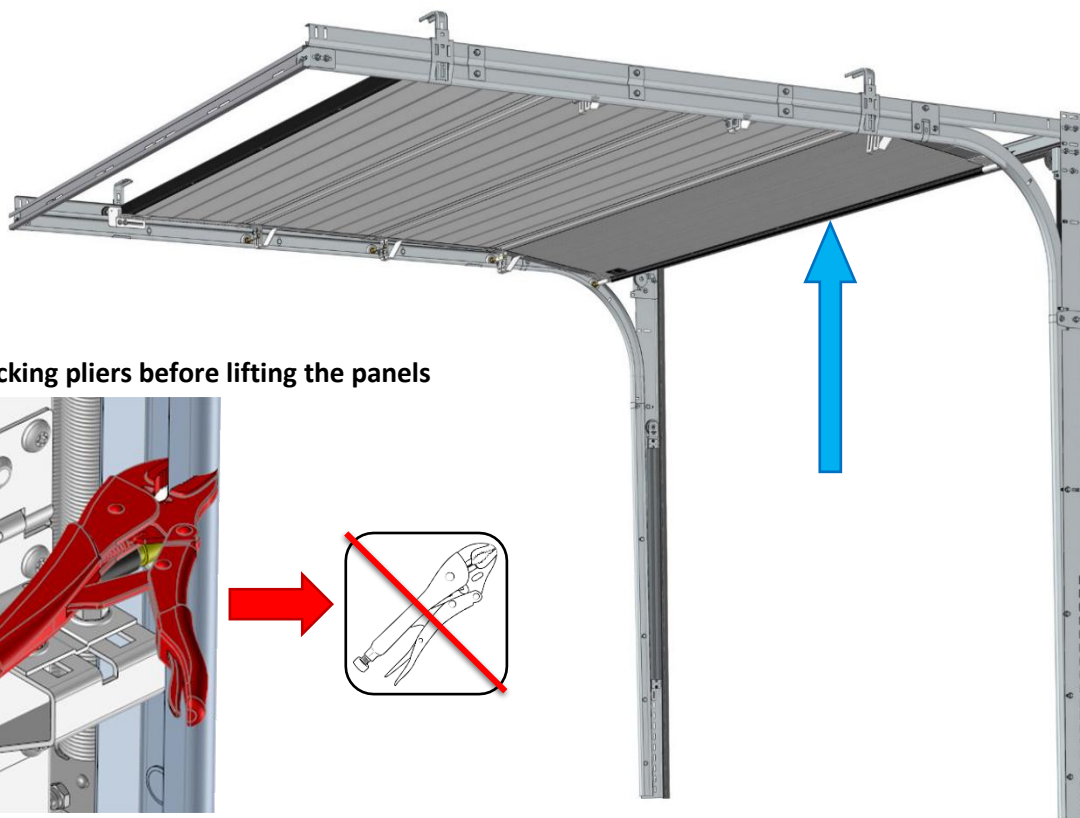
IMPORTANT

To be removed
after mounting the panels.

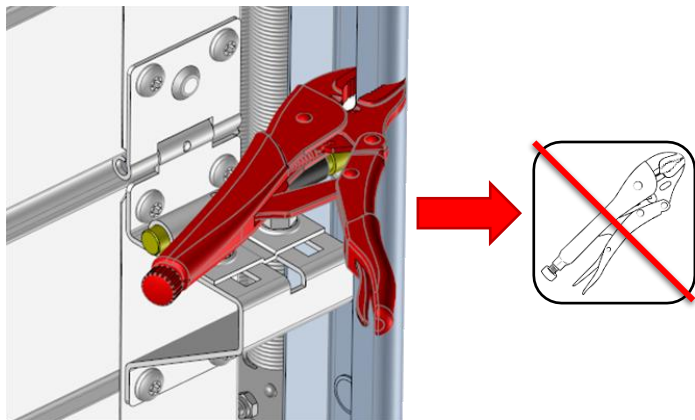


To be kept for subsequent
maintenance operation on
the door.

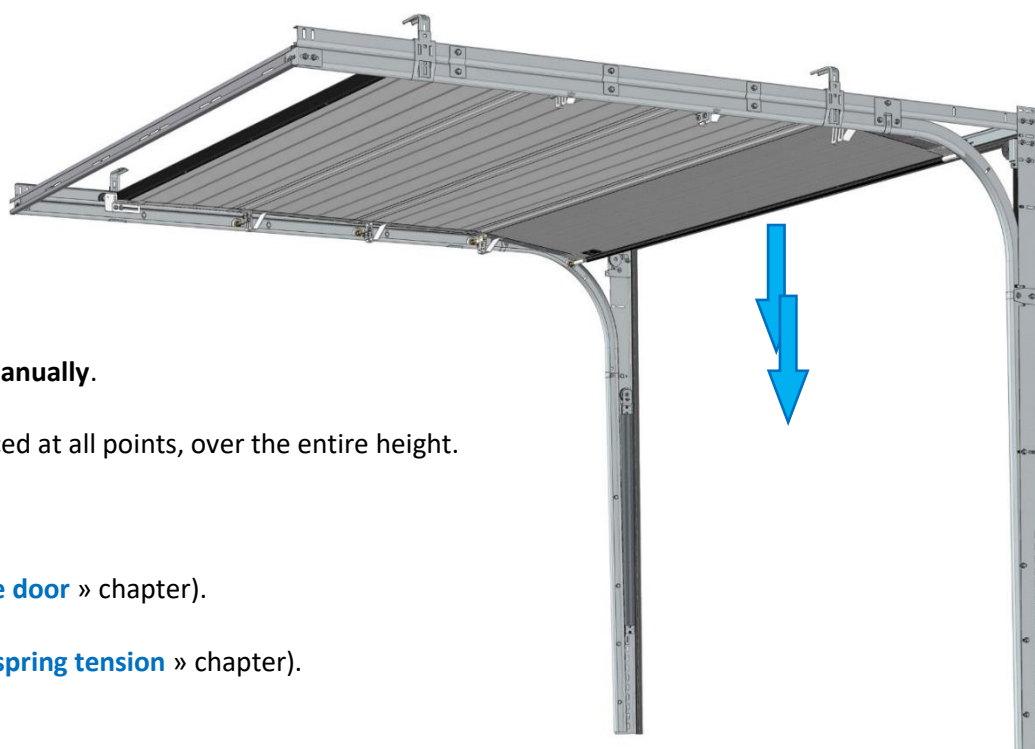
Opening of the door



Remove the locking pliers before lifting the panels



Checking the balance



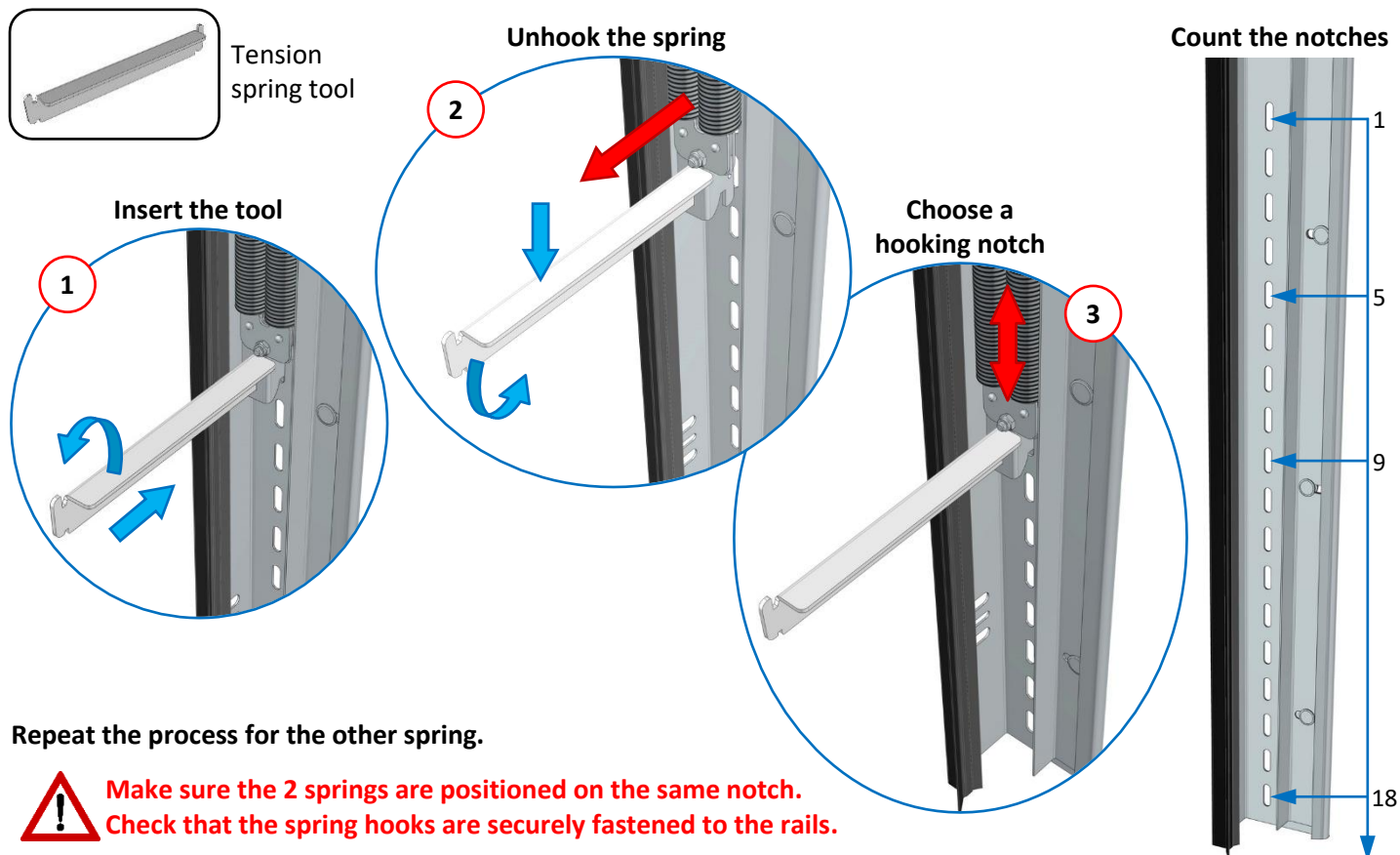
Gently close the panels
and **operate it several times manually**.

Note: The door must be balanced at all points, over the entire height.

If the door is poorly balanced:

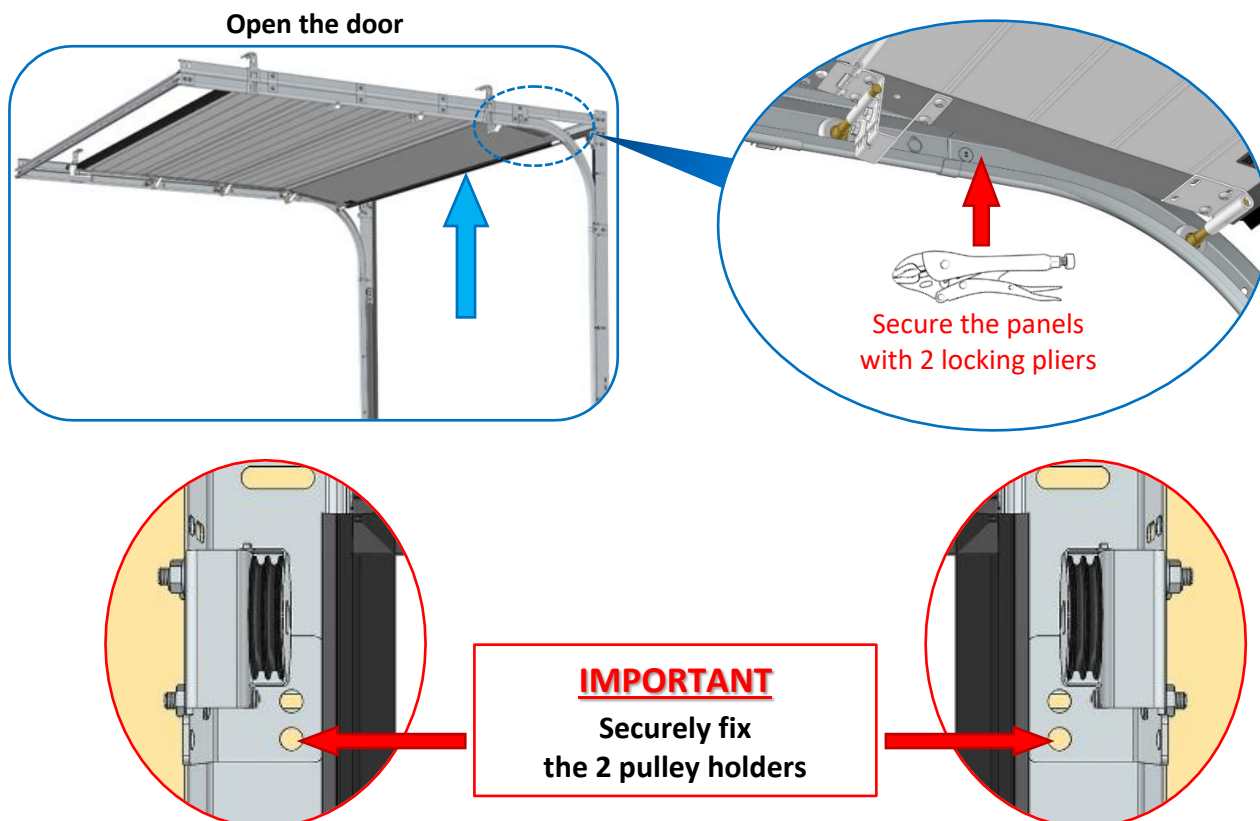
- Raise and secure the panels
(refer to the « [Opening of the door](#) » chapter).
- Tighten or loosen the springs
(refer to the « [Adjusting the spring tension](#) » chapter).

Adjusting the spring tension



Check the balance again: Refer to the « [Checking the balance](#) » chapter previous.

Fixing vertical rails at the level right & left pulleys



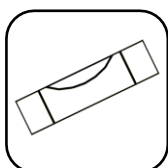
Finishing the installation

Necessary tools

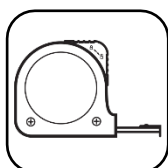


Laser level

or



Spirit level



Tape measure

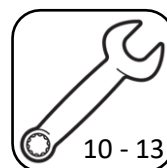


Ladder



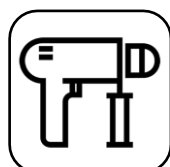
PZ1

Pozidriv
screwdriver

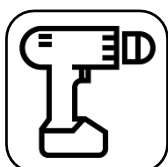


10 - 13

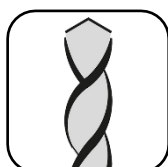
Flat keys



Perforator



Electric
screwdriver



Steel drill bits
Ø5-10-13



PZ2

Pozidriv bit



30

Torx bit



Brush



Pot of grease

Necessary kits and accessories



Standard:

KIS-826, KIS-830, JNT-040 (option), POU-016.



Motorized door:

KIS-843 (upper roller supports).

OR

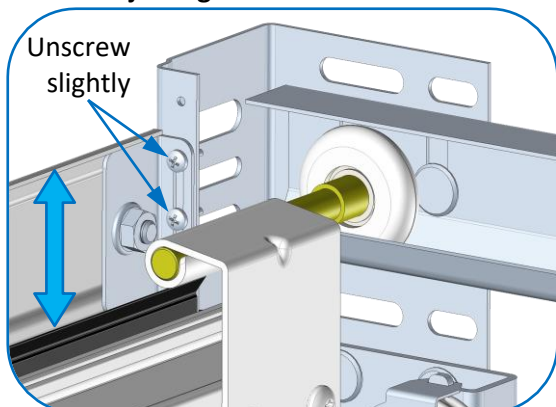


Manual door:

KIS-842, KIS-850, ASC-617, KIS-012.

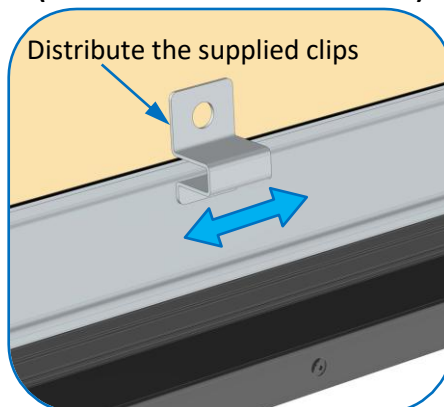
Adjusting and fixing of the cross-member

Adjusting of the cross-member

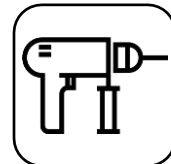
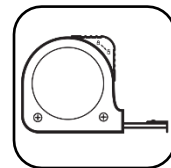


Repeat the process on the opposite side

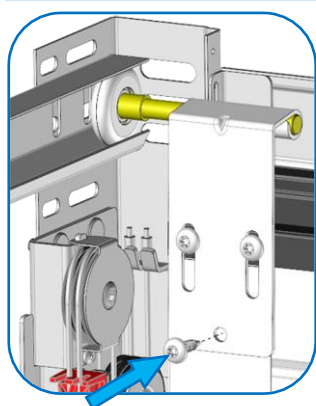
Fixing of the cross-member (to be installed after the motor)



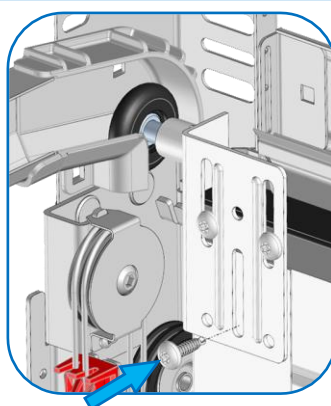
Use appropriate fittings for the support
(screws and pins not supplied)



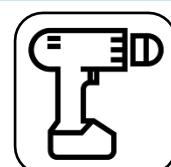
Fixing the upper roller supports



MOTORIZED door



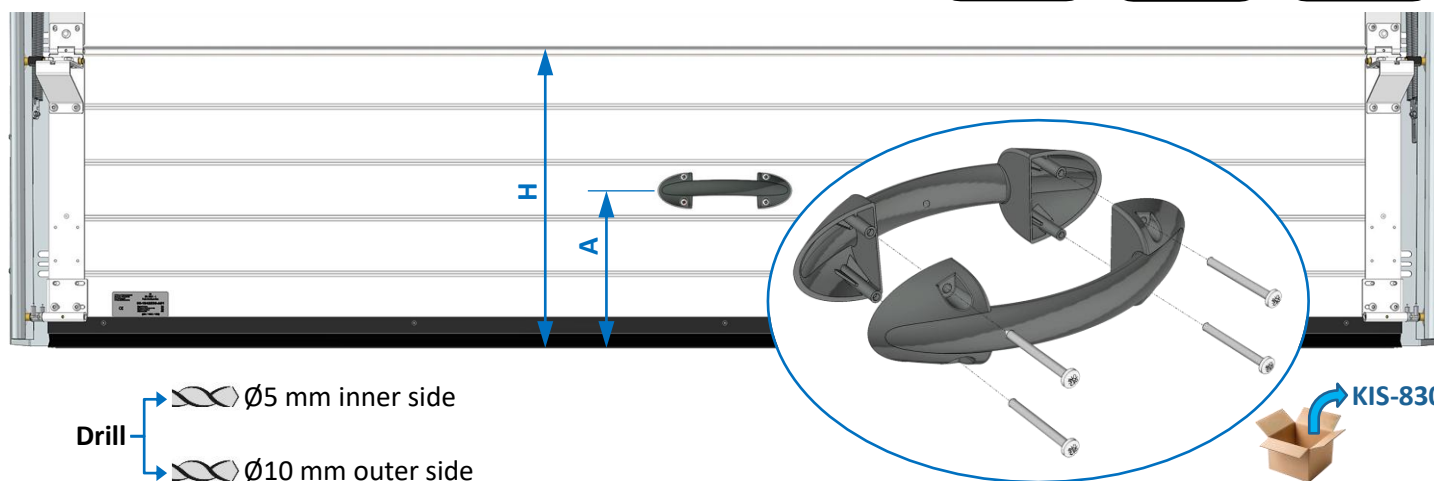
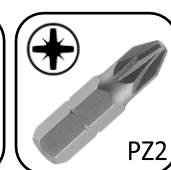
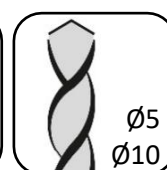
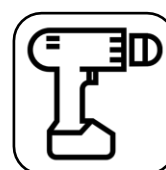
MANUAL door



Repeat the process on the opposite side

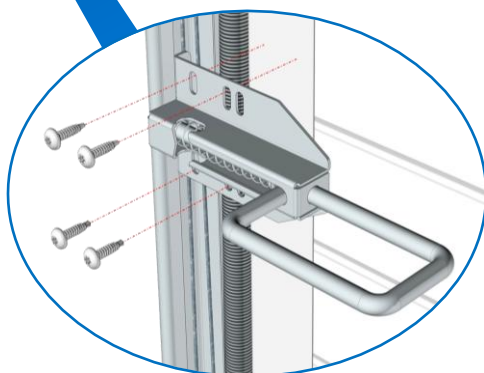
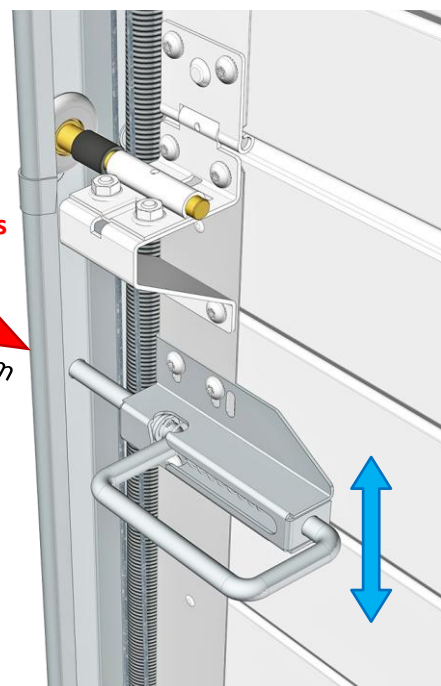
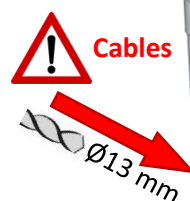
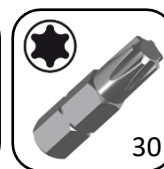
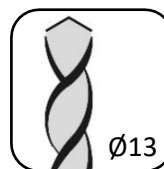
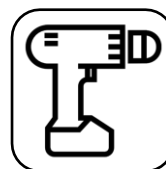
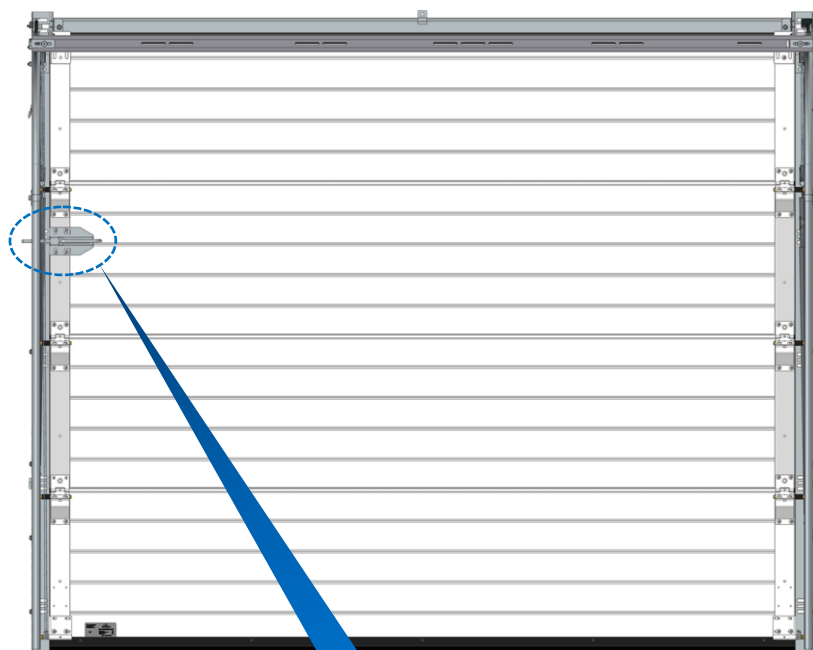
Mounting the handle

On the bottom panel: max. handle position: $A = H / 3$

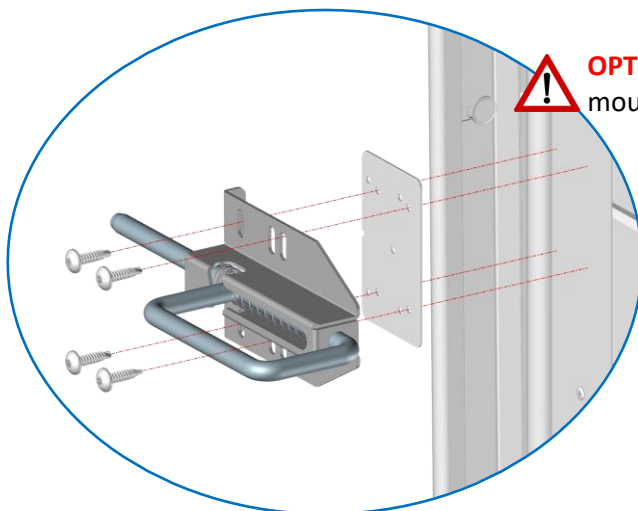


Mounting the latch (motorized door option)

On 2nd intermediate panel:



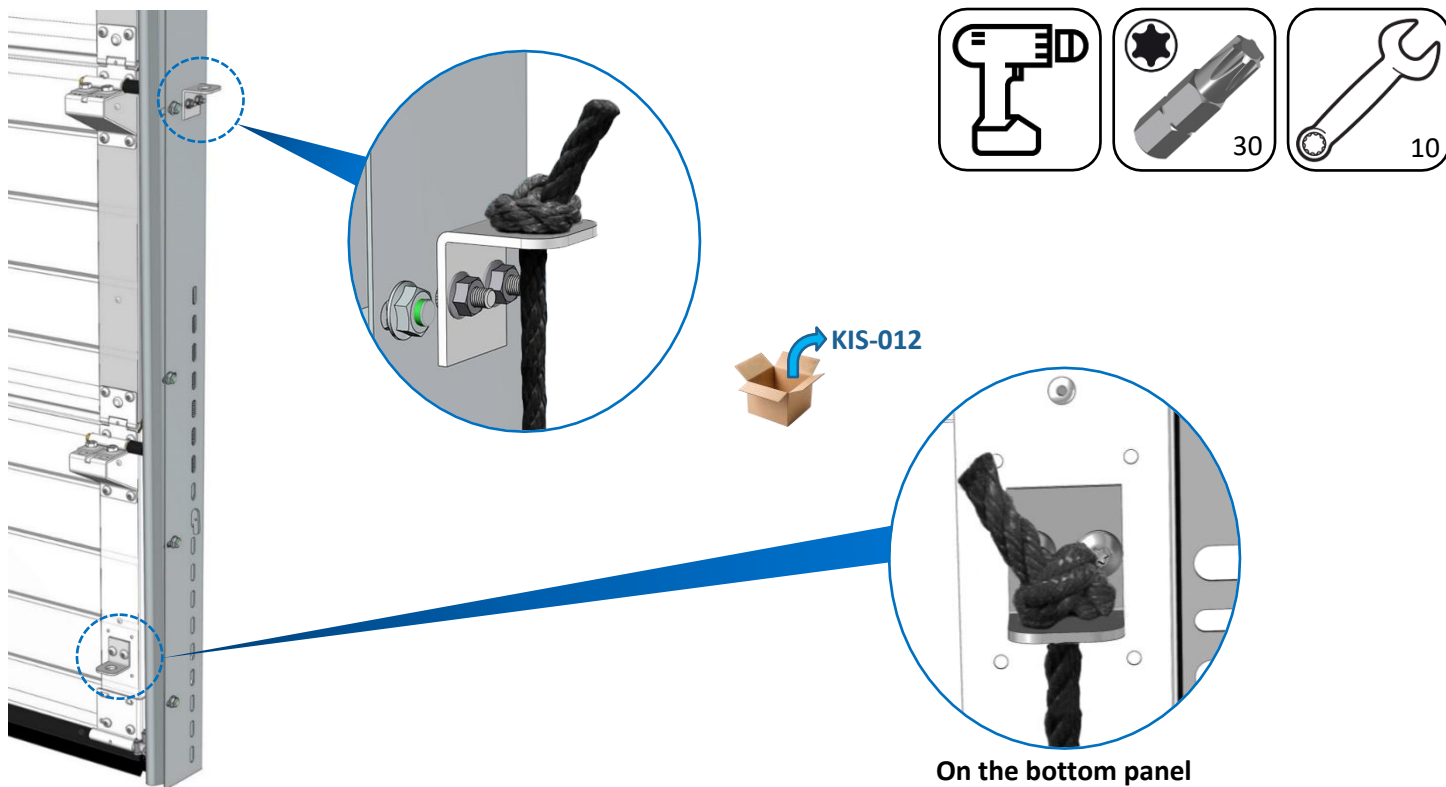
OR



OPTION thermal insulation:
mount plate under latch.



Installing the pull cord (manual door)



Installation of opening stop (if manual door)

- Refer to the instruction for installation of the opening stop.

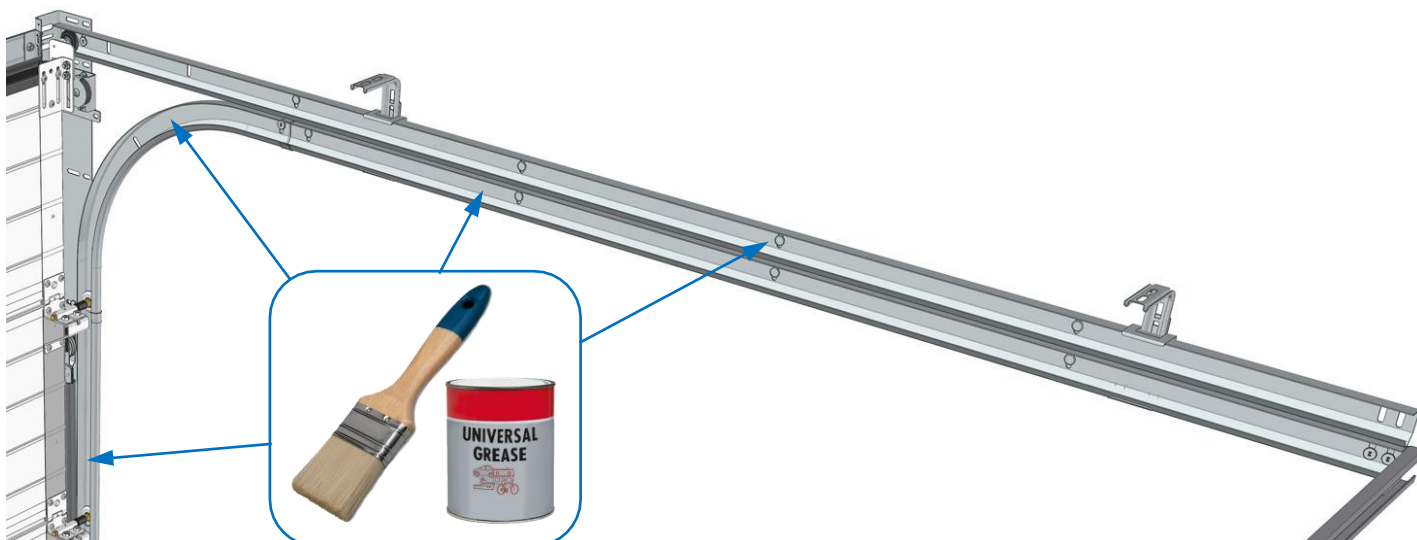
Weather seal (option)



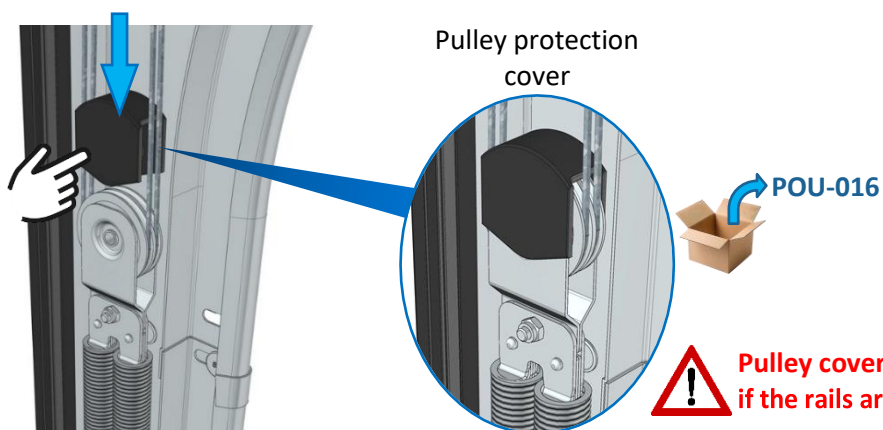
Weather seal section to be glued to the floor between the rails.

Refer to manual: weather seal.

Greasing the bottom of the rails



Mounting of spring pulley covers



Cable labels

