

INDUSTRIAL SECTIONAL DOOR OF ISD THERMALPRO SERIES









Installation and Operation Manual

This manual describes installation of DoorHan industrial sectional door of ISD ThermalPRO series with standard component parts.

This manual contains important safety, installation and maintenance instructions. Please keep this manual for future reference.

If you should require any assistance or additional information, please contact DoorHan service department (ref. «Service department» paragraph).

GENERAL INSTALLATION INSTRUCTIONS

	Only the component parts specified and supplied with the door should be used.
	Do not permit children to be around the door during its installation.
	Follow the instructions provided with the electric operator during its installation.
	Before starting door installation make sure the door opening is properly prepared and suitable for installation.
	The door opening shall always be free of any foreign objects.
	Calculation and connection of the heating circuit, supply cable and cable between boxes is performed by the door installer.

INSTALLATION TEAM

The optimal number of installation team — 2 people. If the door is to be equipped with an operator or a heating circuit the team should include a qualified electrician.

Estimated time of door assembly is 3,5 hours.

Door installation shall be performed by a team which have been trained at DoorHan training centre and got a corresponding certificate.

The team should use proper tools specified at page 3.

INSTALLATION REQUIREMENTS

The guides must be installed vertically, which can be checked by a water level. Diagonals of horizontal tracks shall be equal (allowable deviation is ± 5 mm). Connect the door parts strictly following installation instructions.

Side seals and gaskets of the panel shall be strictly in line, gaps are not allowed. Spring tensioning shall be performed with a special tap wrench (ref. page 17, fig. 13.1a, 13.1b).

The spring is tensioned for a particular number of turns (ref. page 16, fig. N). Fasten the spring end with a bolt applying force of maximum 15 N·m.

After spring tensioning please verify that the split pin (ref. page 17, fig. 13.3a, 13.3b) is removed from the spring break safety device.

Mounting options:

- a) if the wall around the opening is strong enough to support the door (whole brick, solid concrete, metal channels) it can be attached directly to the wall;
- b) if the wall material has low strength (hollow brick, silicate block, low compressive strength concrete, wood, etc.), then it is required to frame the opening with steel profiles.

Before installation, please ensure that the content of your door kit is complete as per the specification included in the package.

HEATING CABLE SPECIFICATIONS

Input voltage — 220 V.

Power per 1 m — 30 W.

Operating temperature: -60...+200 °C (up to +230 °C for a short time).

Minimum bending diameter: 15 mm.

RESPONSIBILITY FOR INSTALLATION

DoorHan does not directly control the installation, maintenance and operation of a sectional door and is not responsible for the safety and quality of the installation.

The contents of this manual can not serve as the basis for submitting any complaints to the manufacturer.

The installation company is held responsible for the quality of sectional door installation.

DoorHan reserves the right to introduce any changes to this manual without any prior notice to the customer.

DOOR OPERATION

Door shall be lifted and lowered with ease.

Door leaf should be properly balanced: it shall not spontaneously lower or lift.

For opening the door in manual operation use only the door handle.

Door can only be locked with a special latch or mechanical lock.

Keep the door operating area clear of children, animals and foreign objects.

EMERGENCY SITUATIONS

In case of door failure never perform repair works by yourself. We recommend to call the service department.

In case a safety device was actuated please verify that nobody was injured. Call the service department.

If the door opens with a difficulty make sure that all door components are in good working order and then adjust. If there are any damaged components please call the service department.

SERVICE DEPARTMENT

Should you require any assistance or additional information please contact the service department at the following addresses:

- a) support@doorhan.com,
- b) at the address of product purchase.

You can contact your dealer on any question arising during door operation. For addresses and phone numbers see the Contract.

SAFETY INSTRUCTIONS

If the heating circuit is to be installed please do the following:

1. Pre-installation verification.

1.1. Make sure the quantity and numbers of the heating cable and its components correspond to the data listed in the installation chart.

1.2. Verify that the heating cable and its components were not damaged during transportation.

1.3. Verify that the rated supply voltage of the heating cable corresponds to the supplied operating voltage.

2. Heating cable installation.

2.1. When installing the cable, avoid sudden jerks and excessive force, as well as walking on the cable and passing it over with a vehicle. If the heating cable is left at the installation site for some time, it must be protected from moisture.

ATTENTION!

In case of failure or incorrect operation of the heating cable, upon detection of smoke or unusual odour it is required to contact the service department.

WARNING!

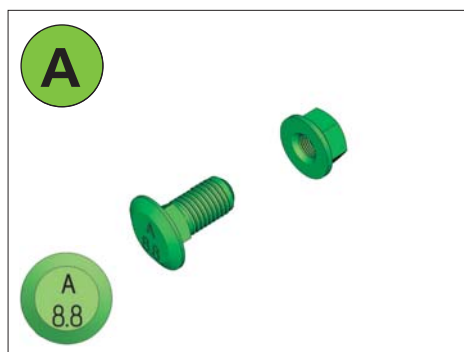
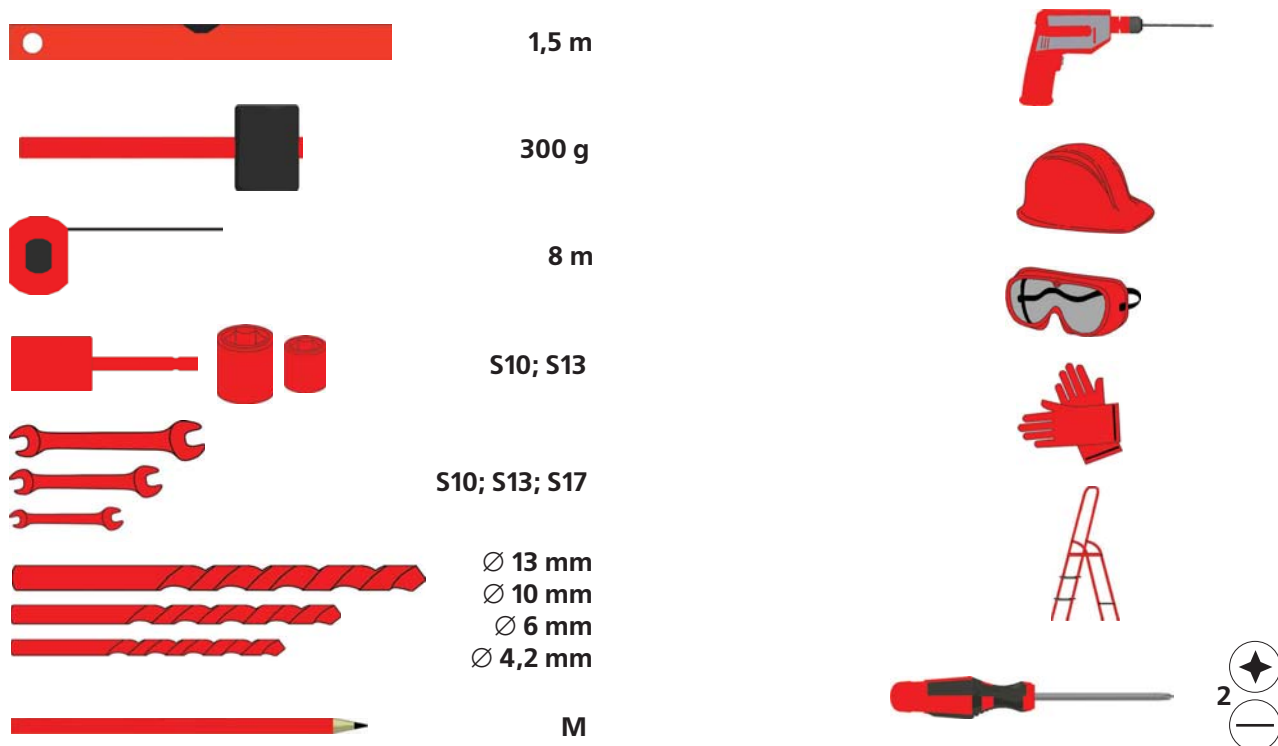
As with any electrical equipment operating from high voltage, damage to the heating cable and heating components or improper installation can lead to moisture penetration into the system or its contamination, which can result in short circuit, sparking and fire outbreak.

Do not connect heating cable conductors to each other as it will cause short circuit. All unconnected heating cable ends must be insulated with cable end sealing.

To prevent fire or explosion in hazardous areas, ensure that the maximum temperature of the heating cable sheath is below the self-ignition temperature of the gases in the hazardous area. Heating system installation shall be performed using only corresponding spare parts with observation of installation instructions attached to them.

Heating circuit installation can be performed by personnel:

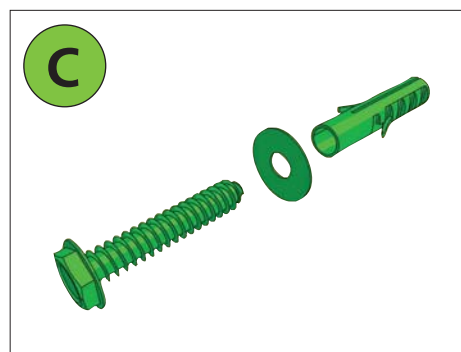
- trained and certified for basic fire safety;
- having at least the first qualification group on electrical safety;
- qualified in electrical safety instructions;
- having knowledge of first aid for burns and electric shock.



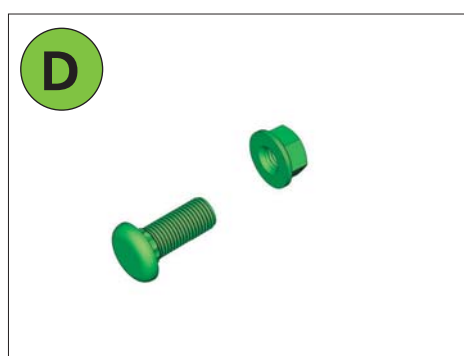
M8 × 16



6,3 × 25



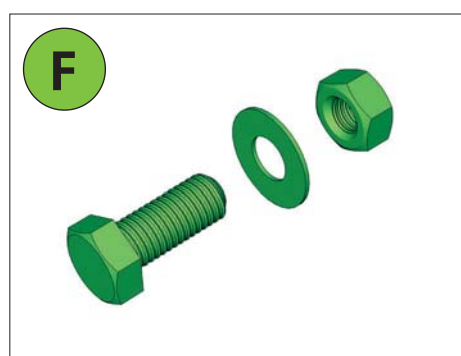
8 × 70



1/4 × 1/2"

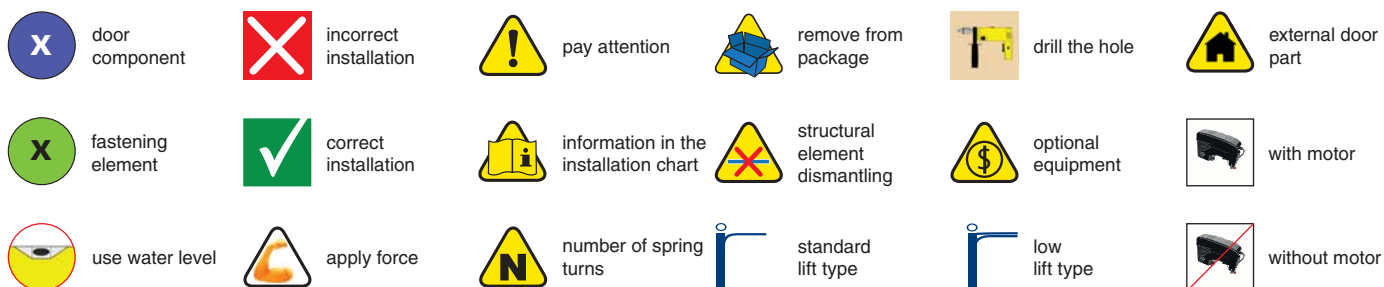


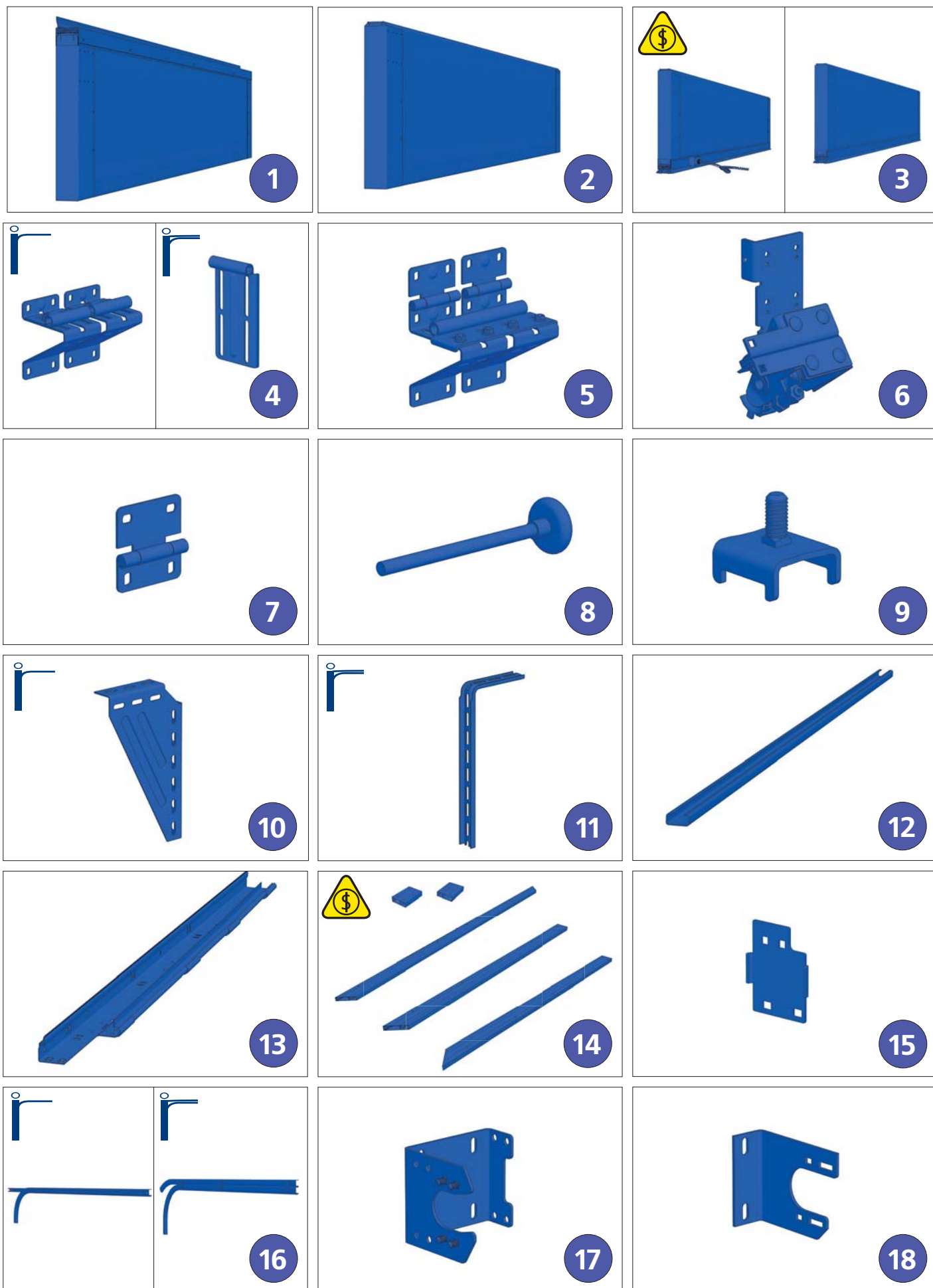
6,3 × 32

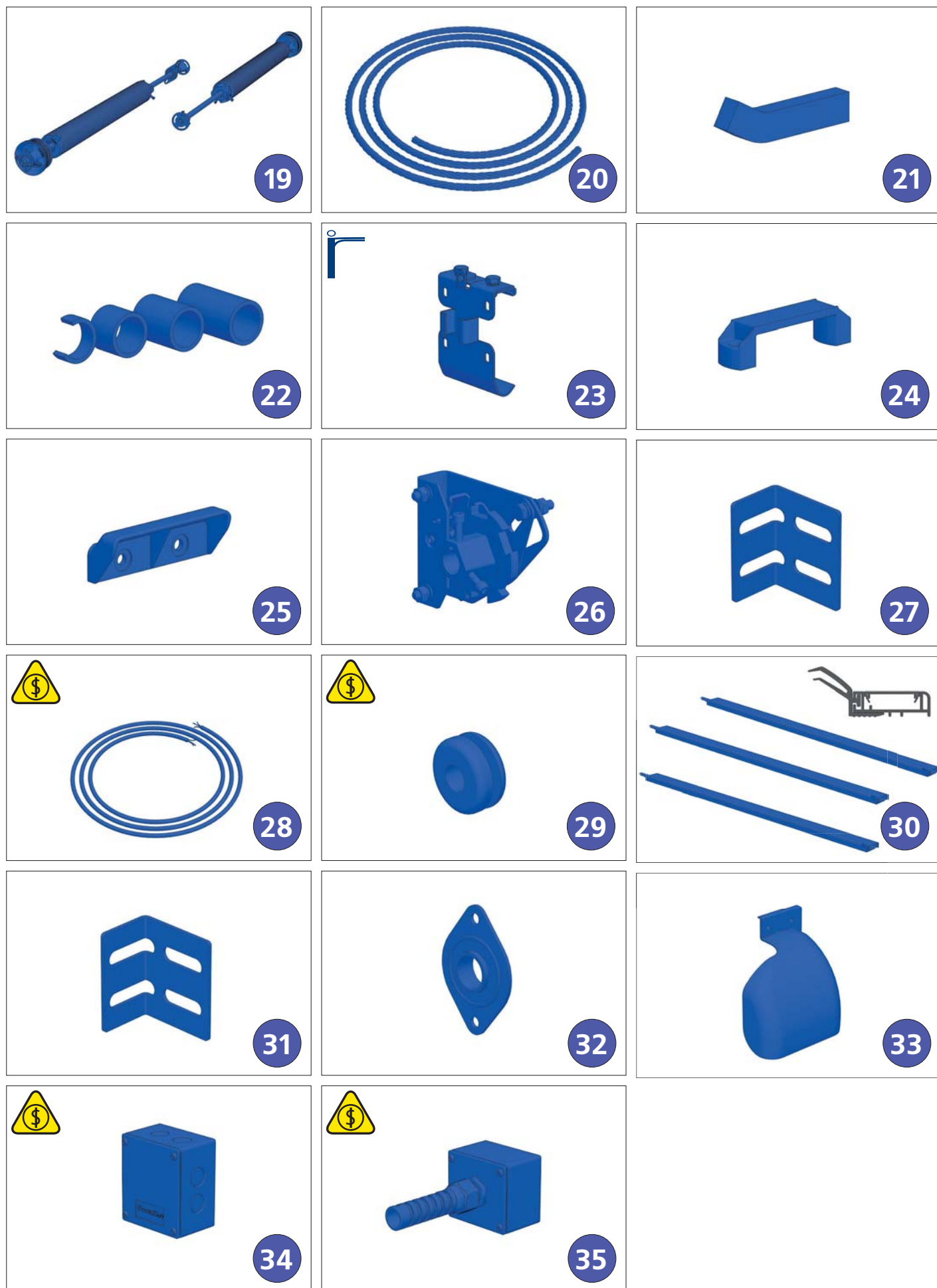


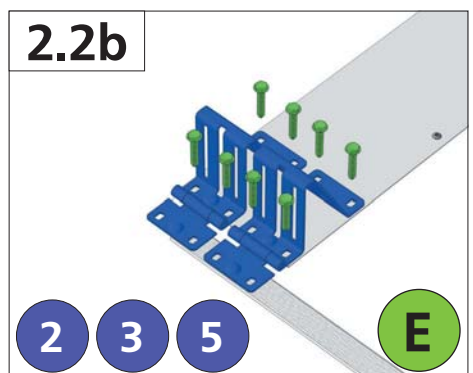
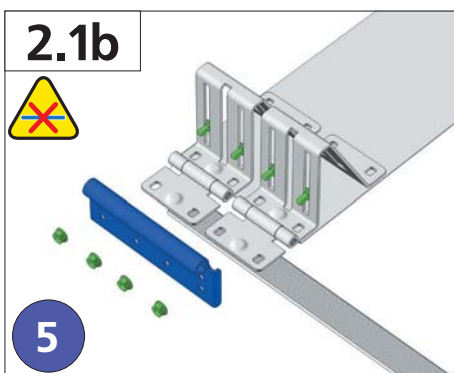
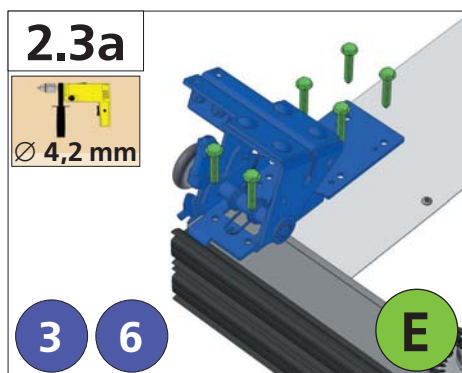
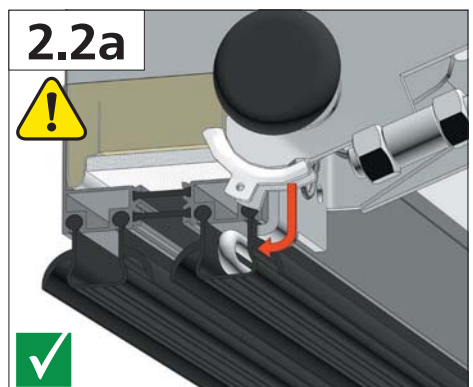
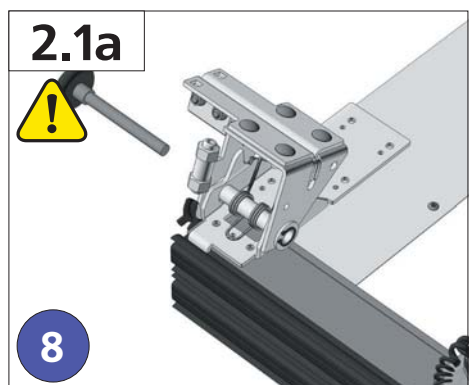
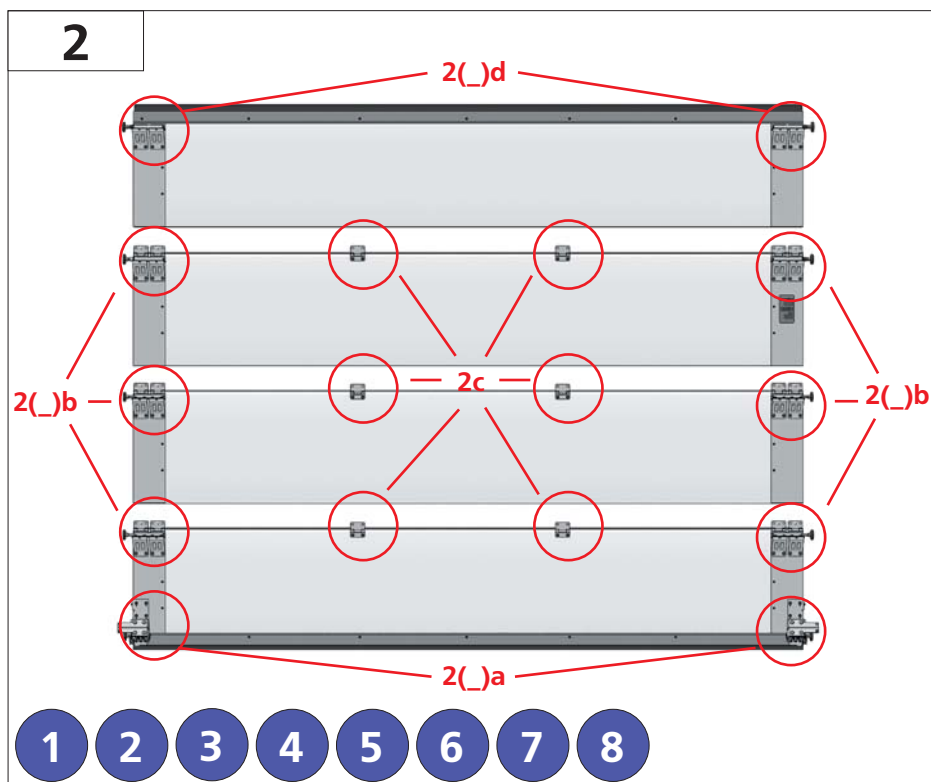
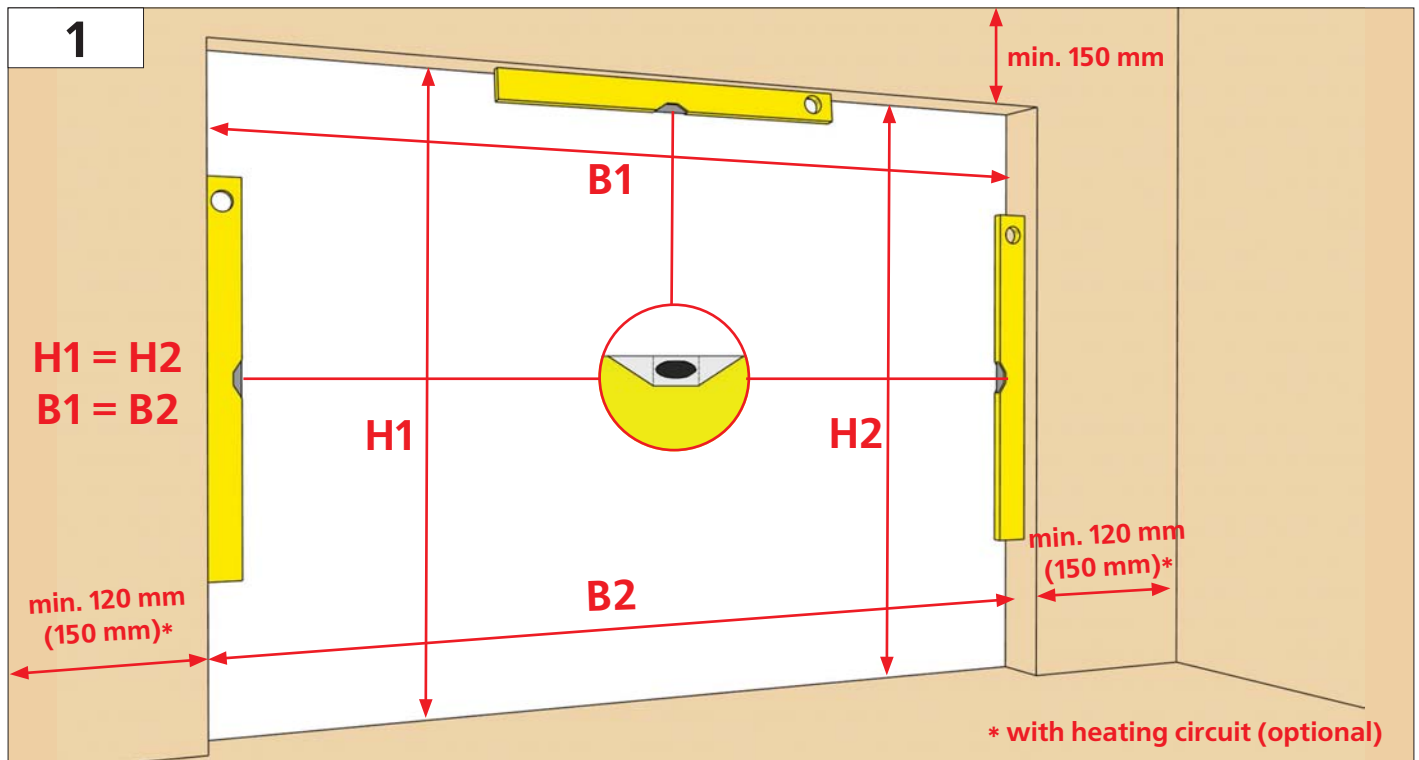
M10 × 35

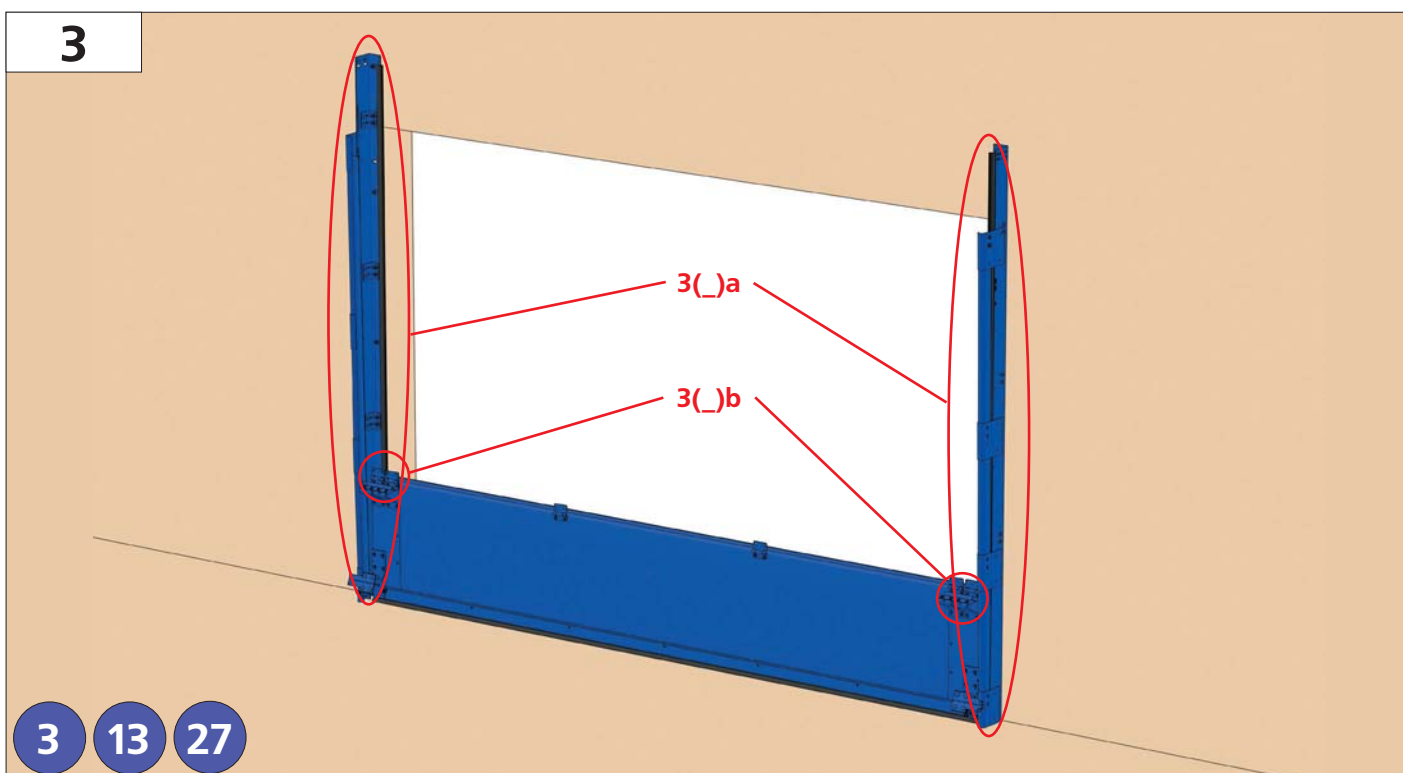
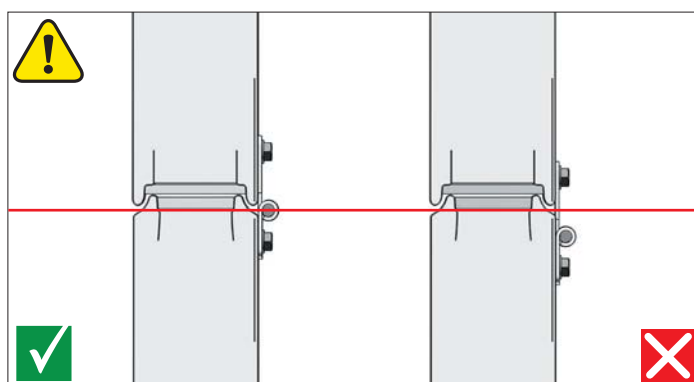
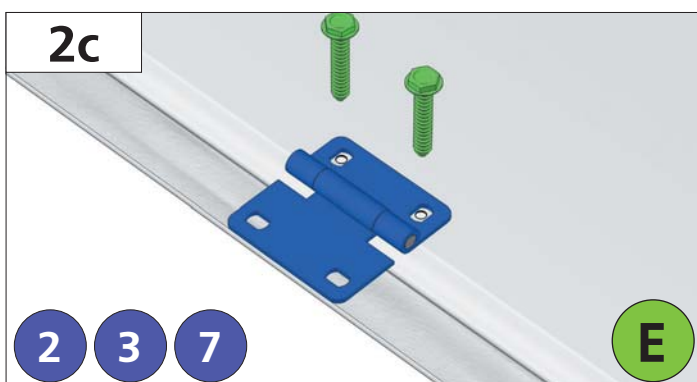
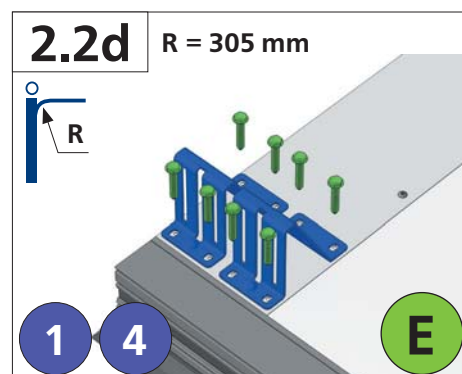
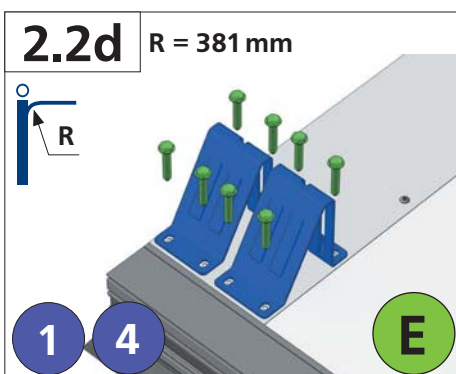
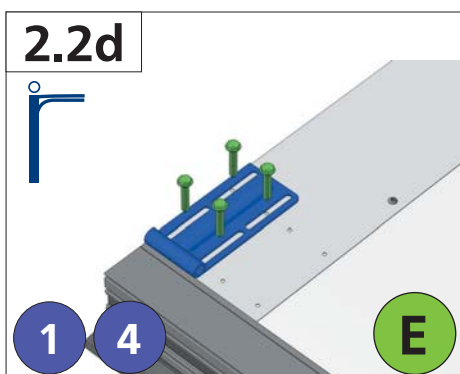
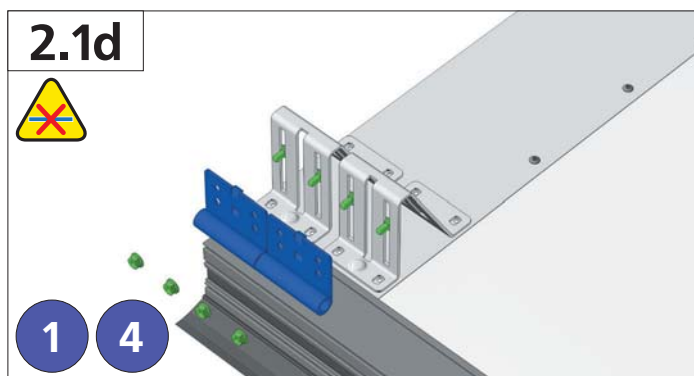
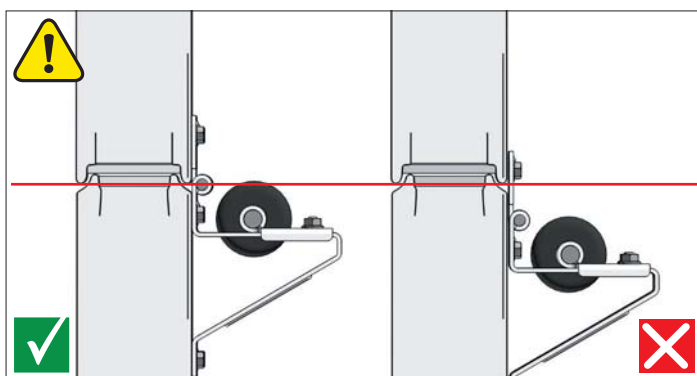
LEGEND

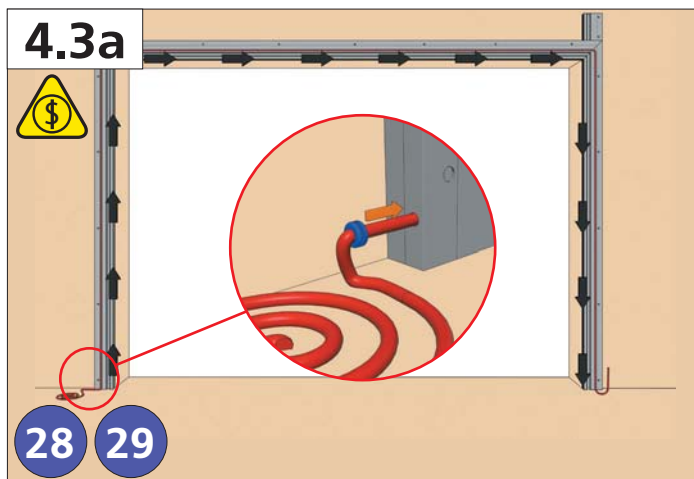
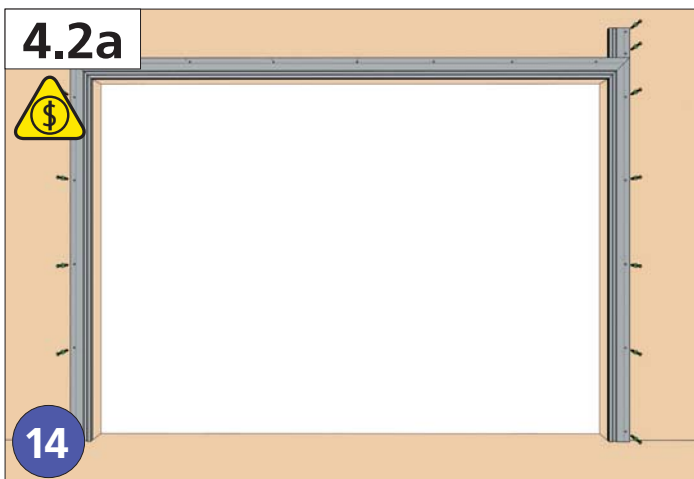
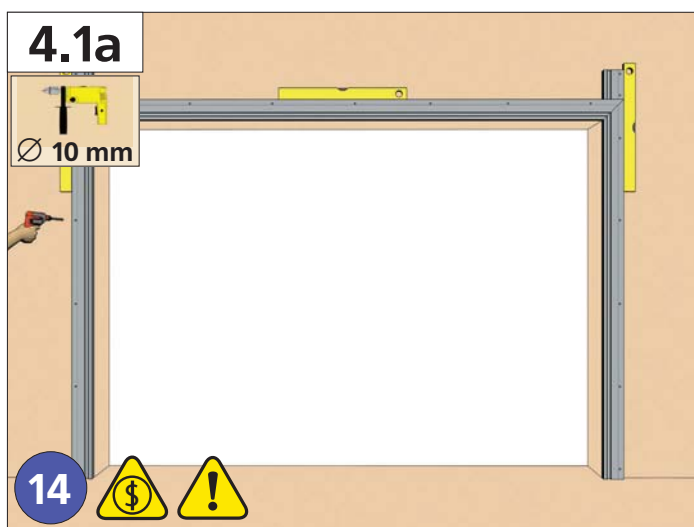
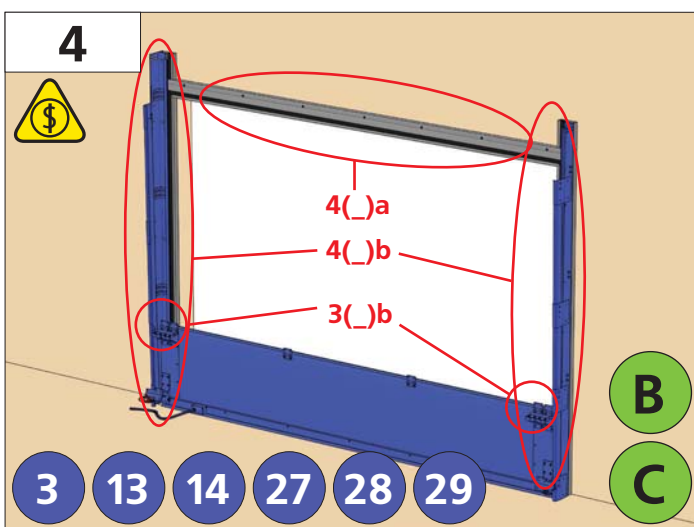
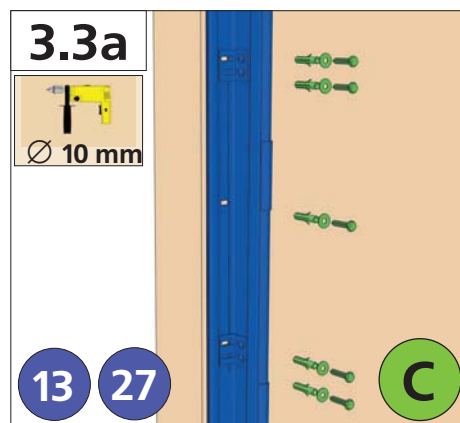
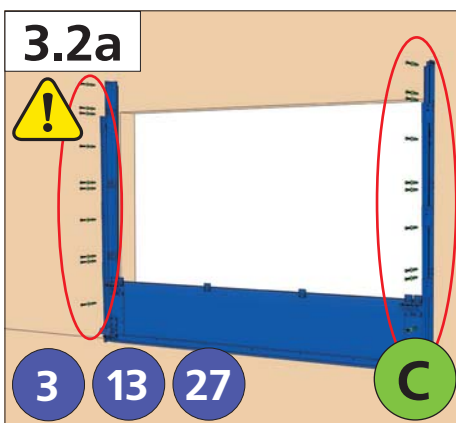
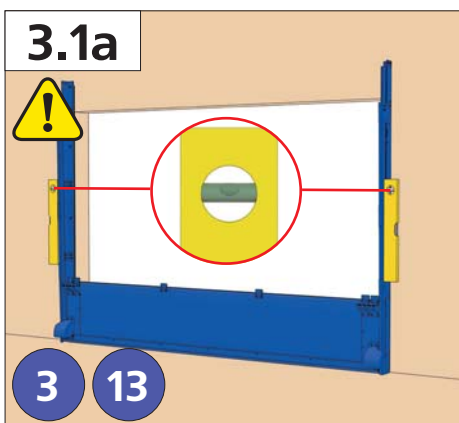
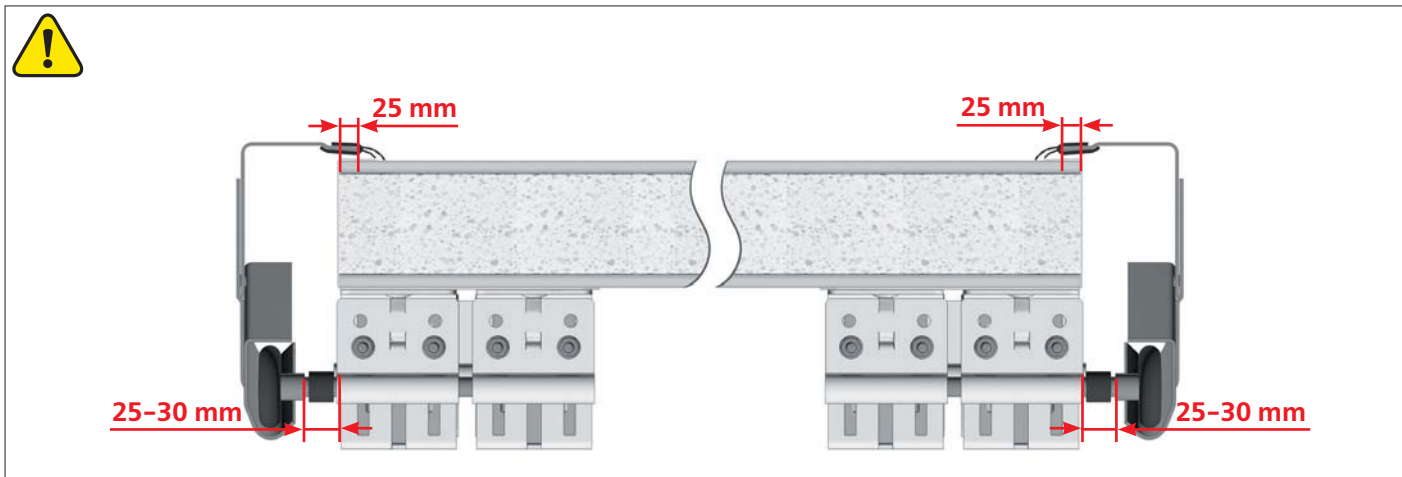


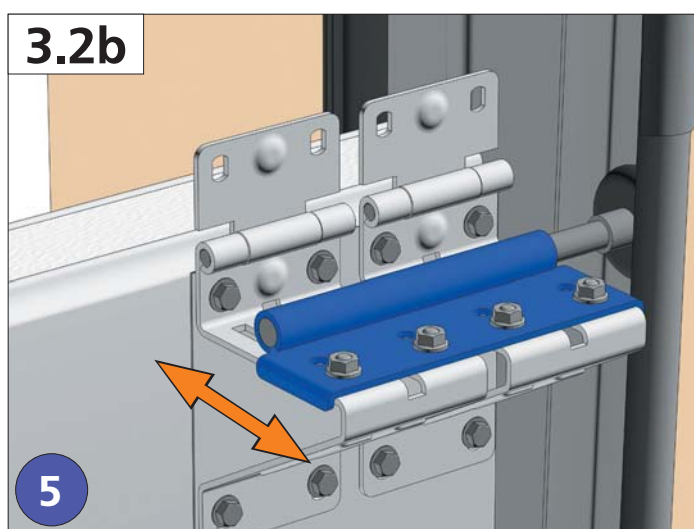
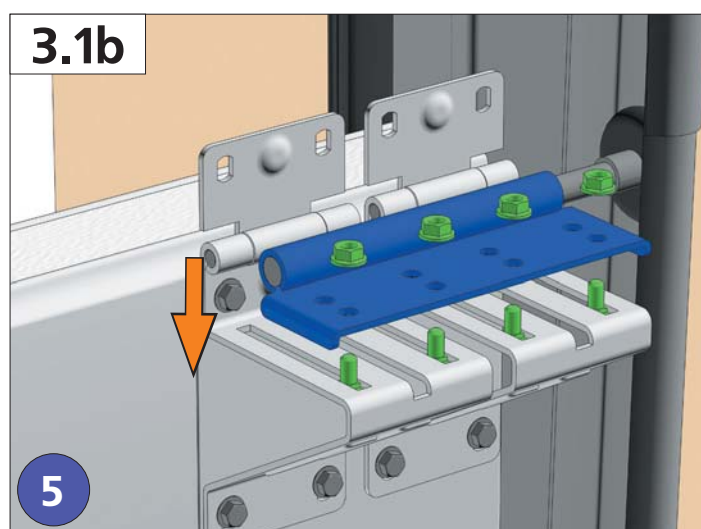
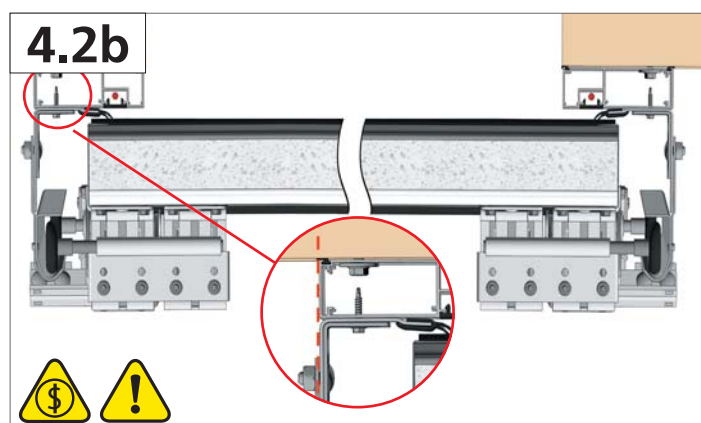
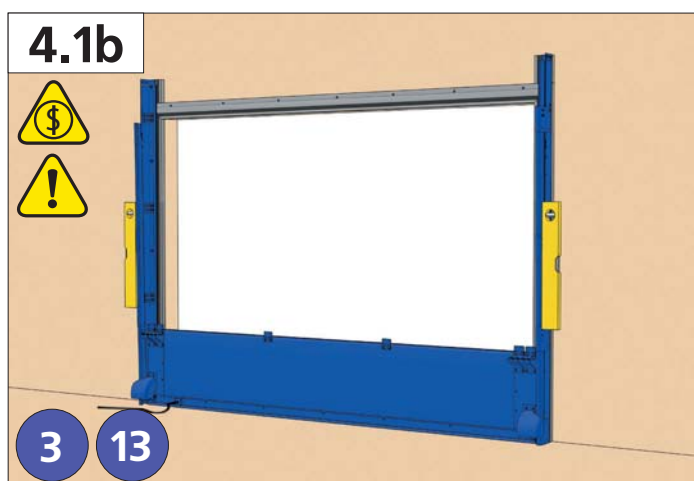
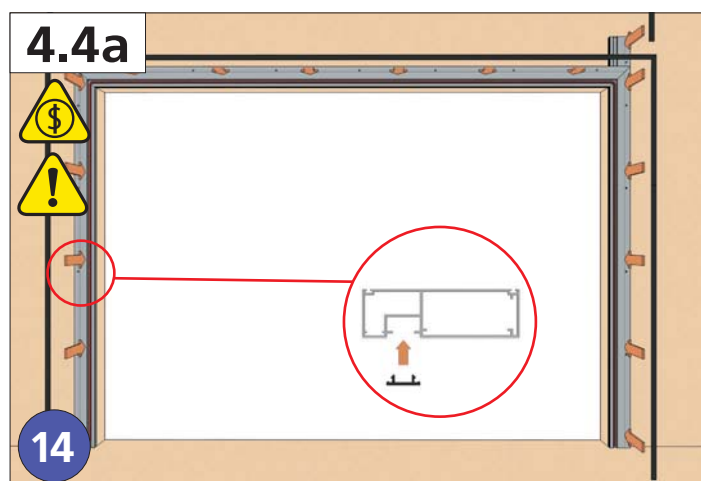


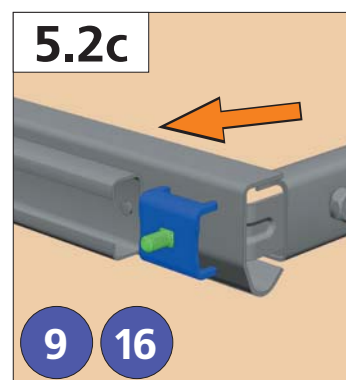
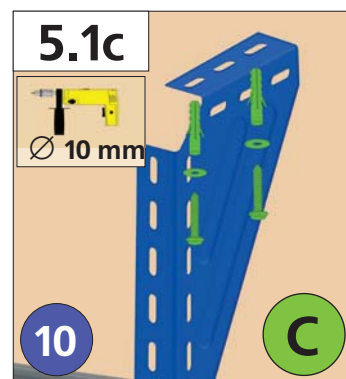
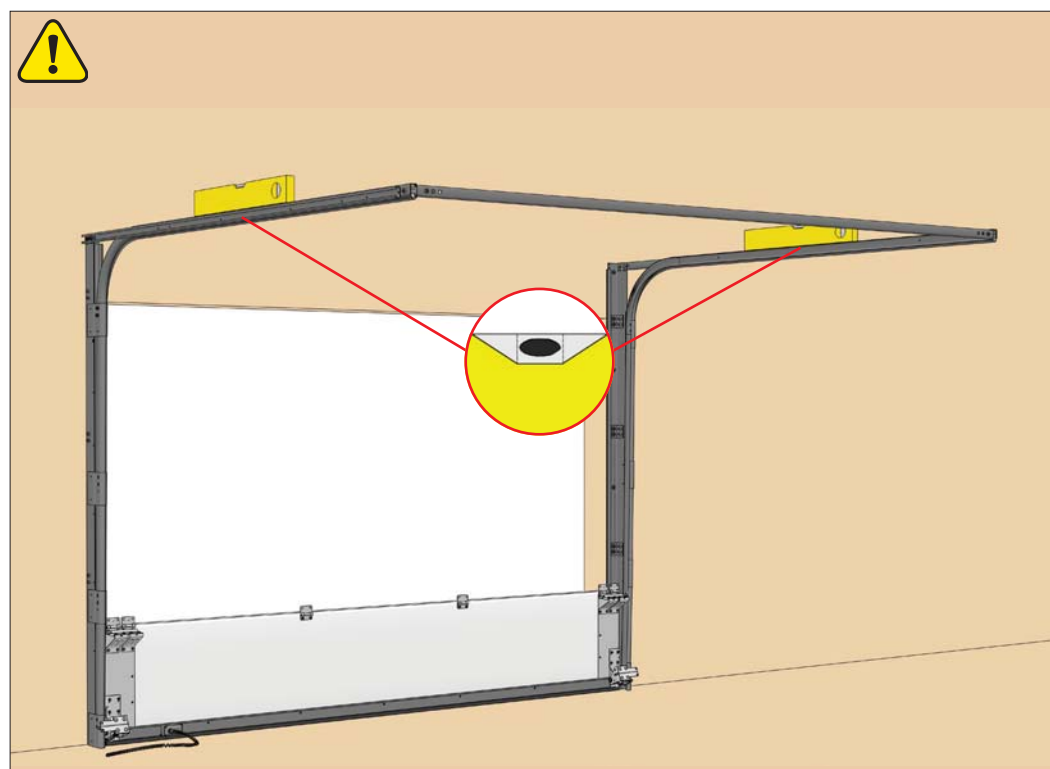
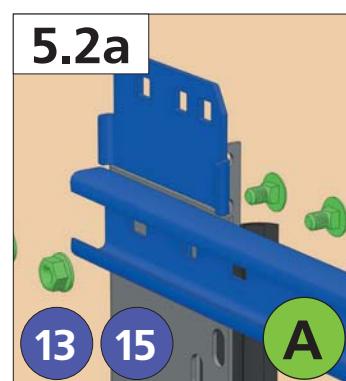
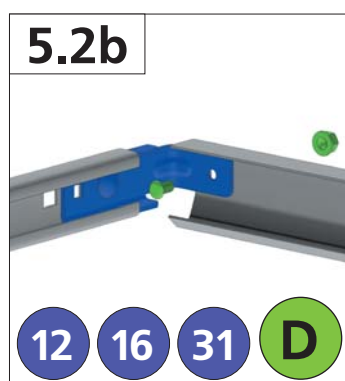
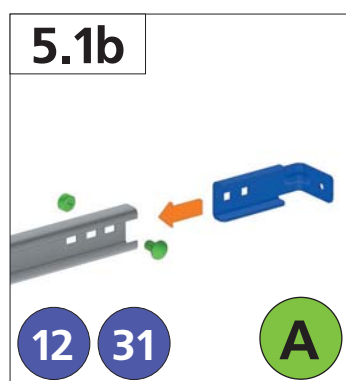
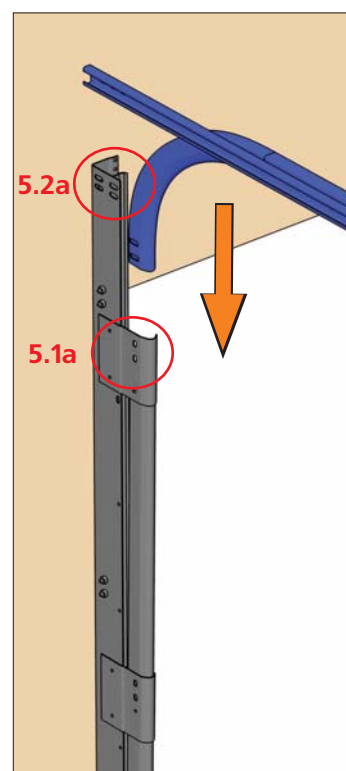
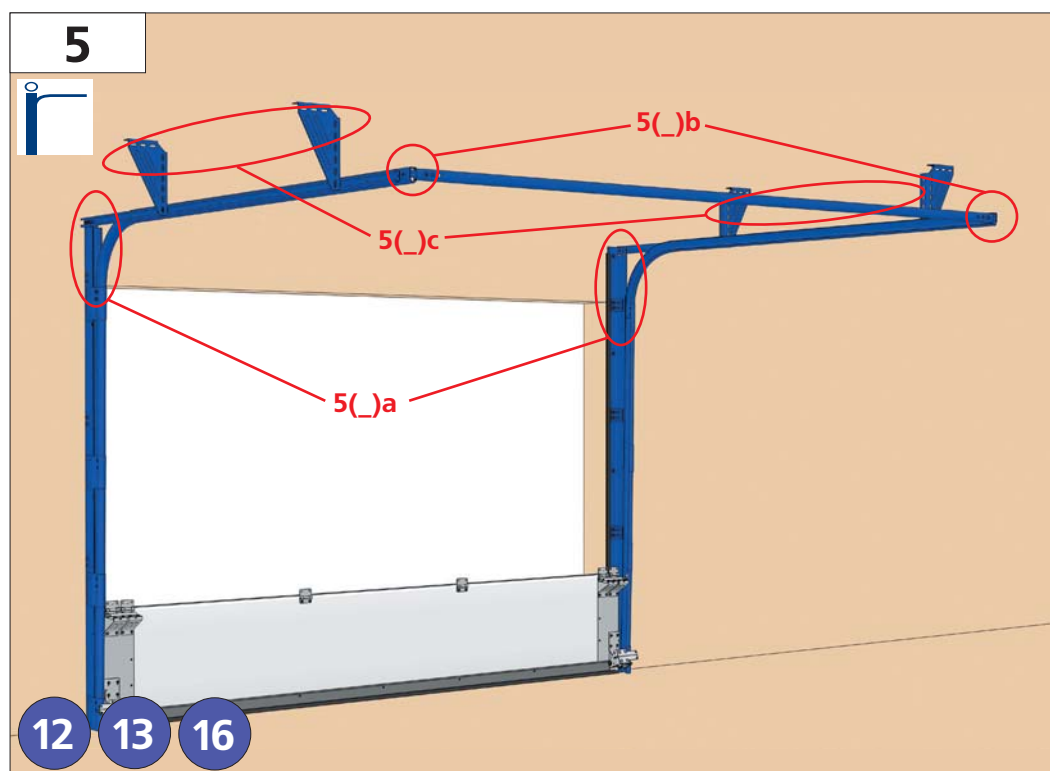


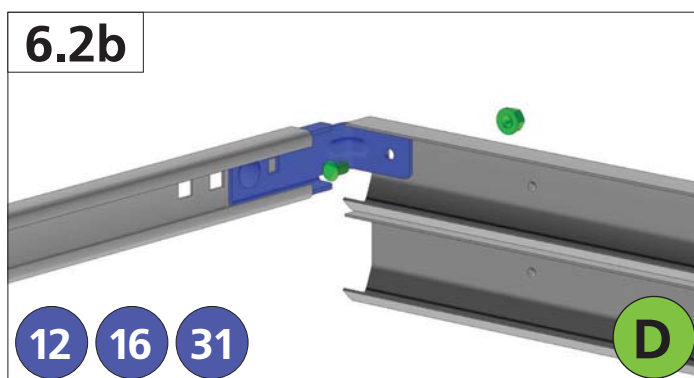
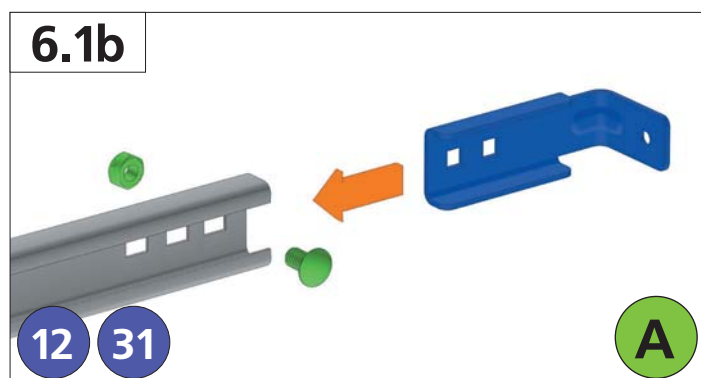
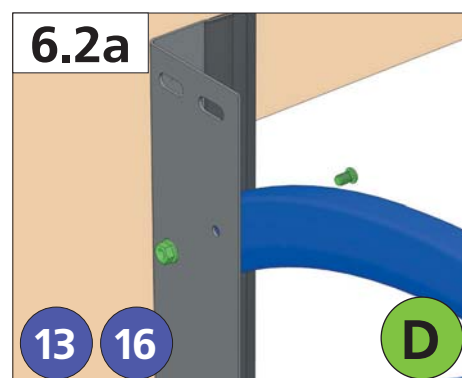
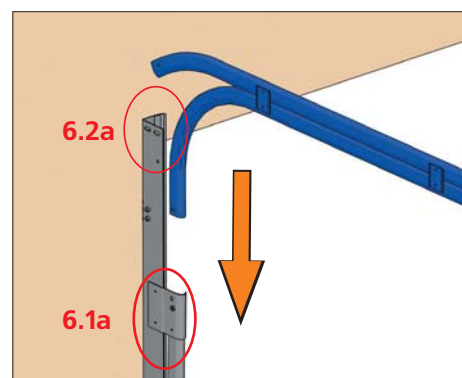
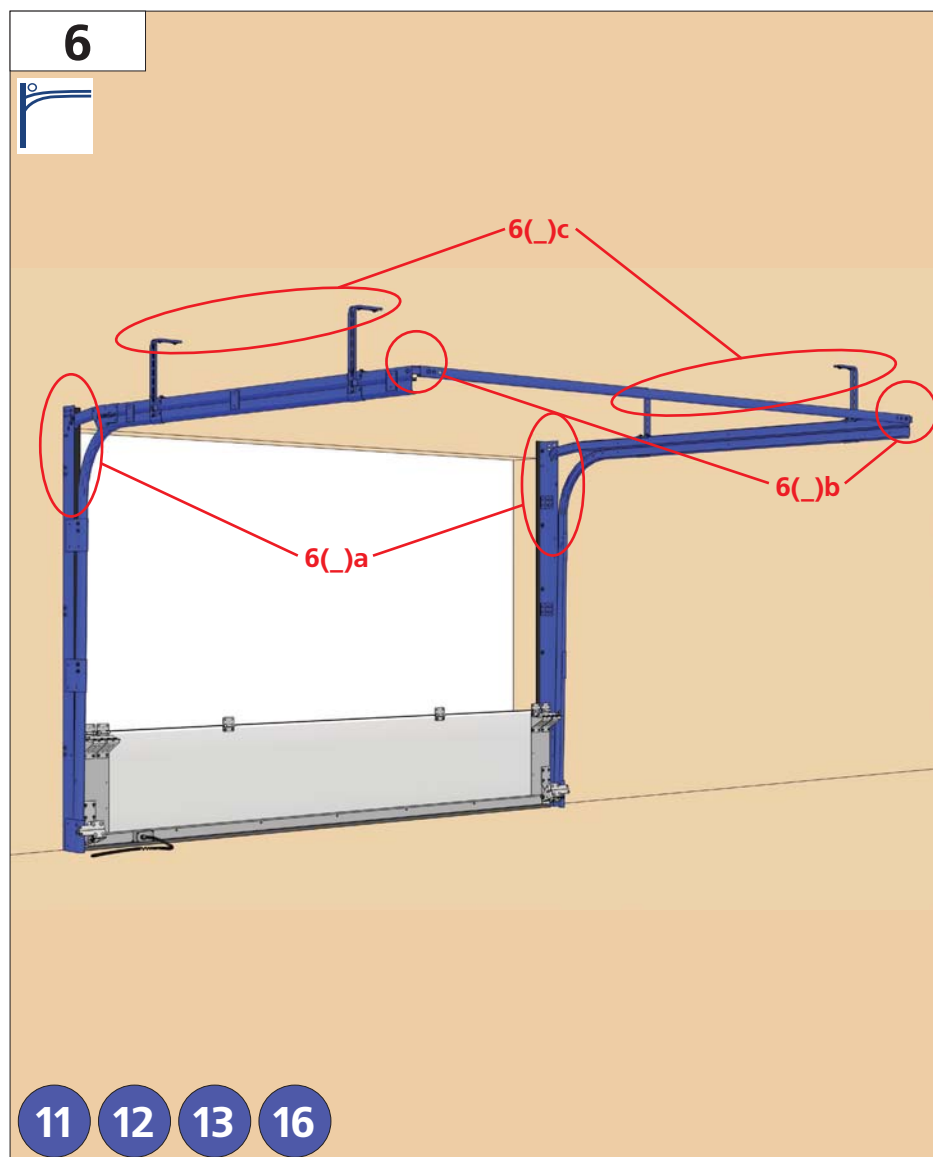
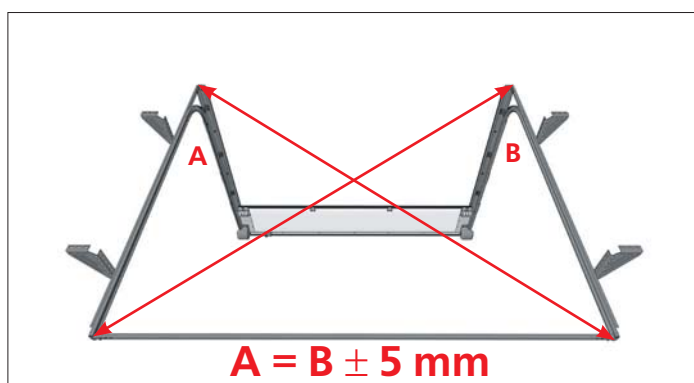
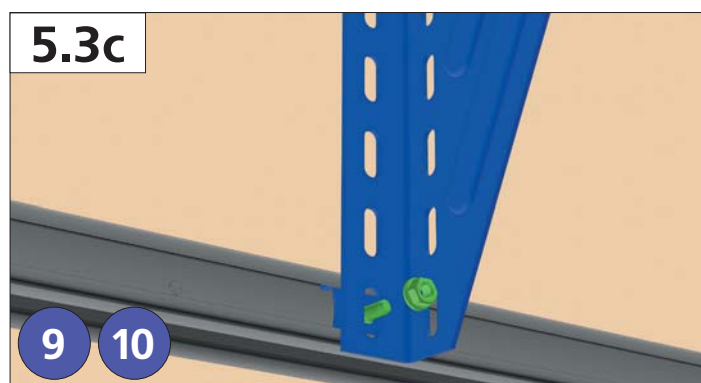


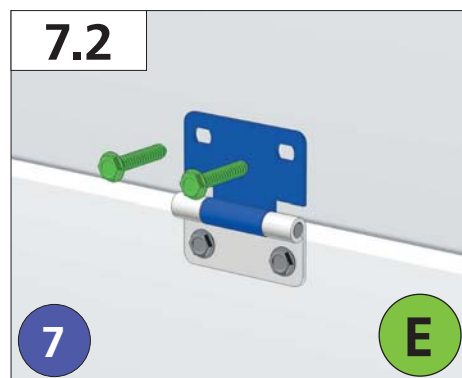
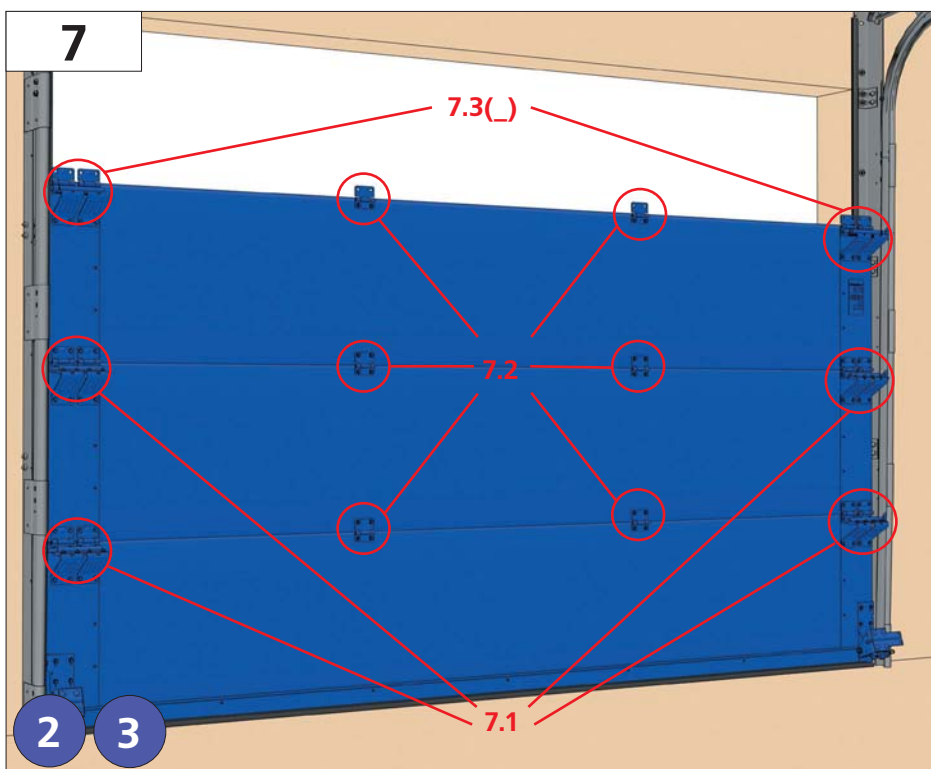
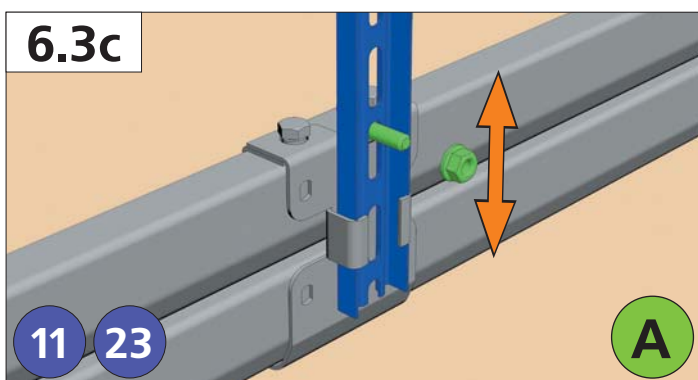
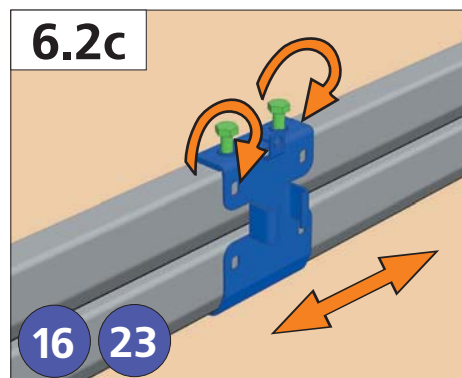
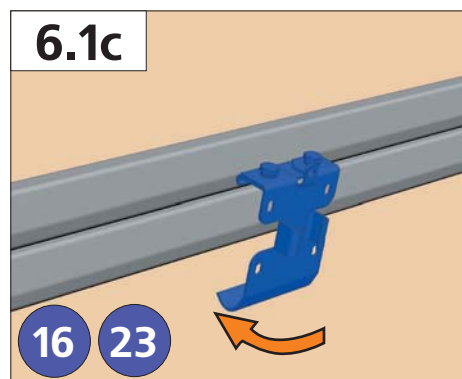
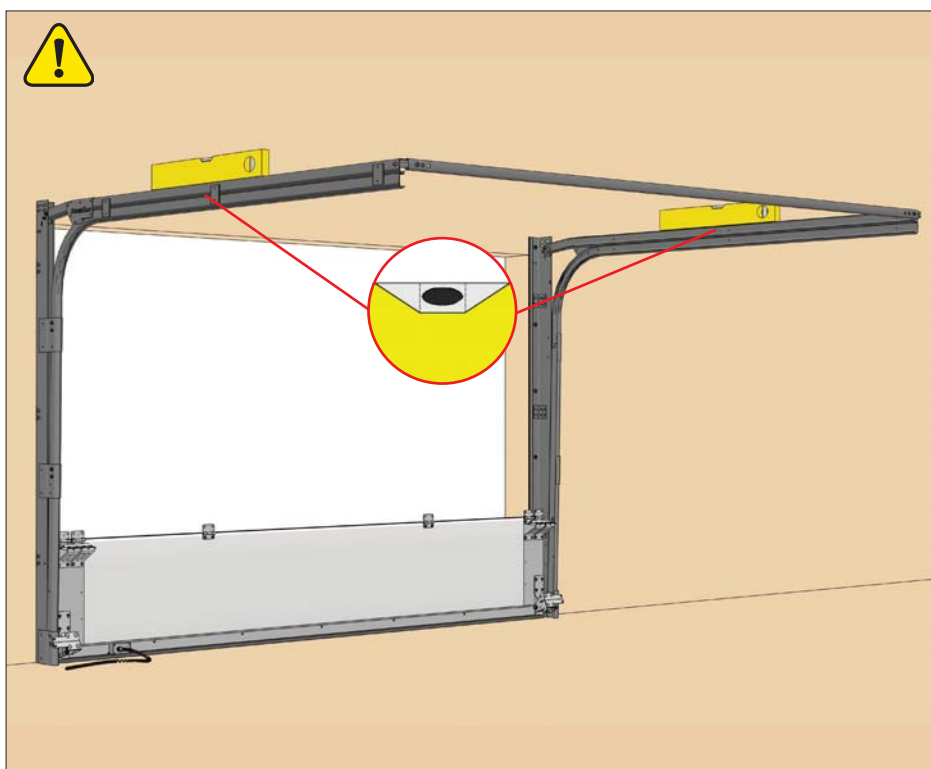


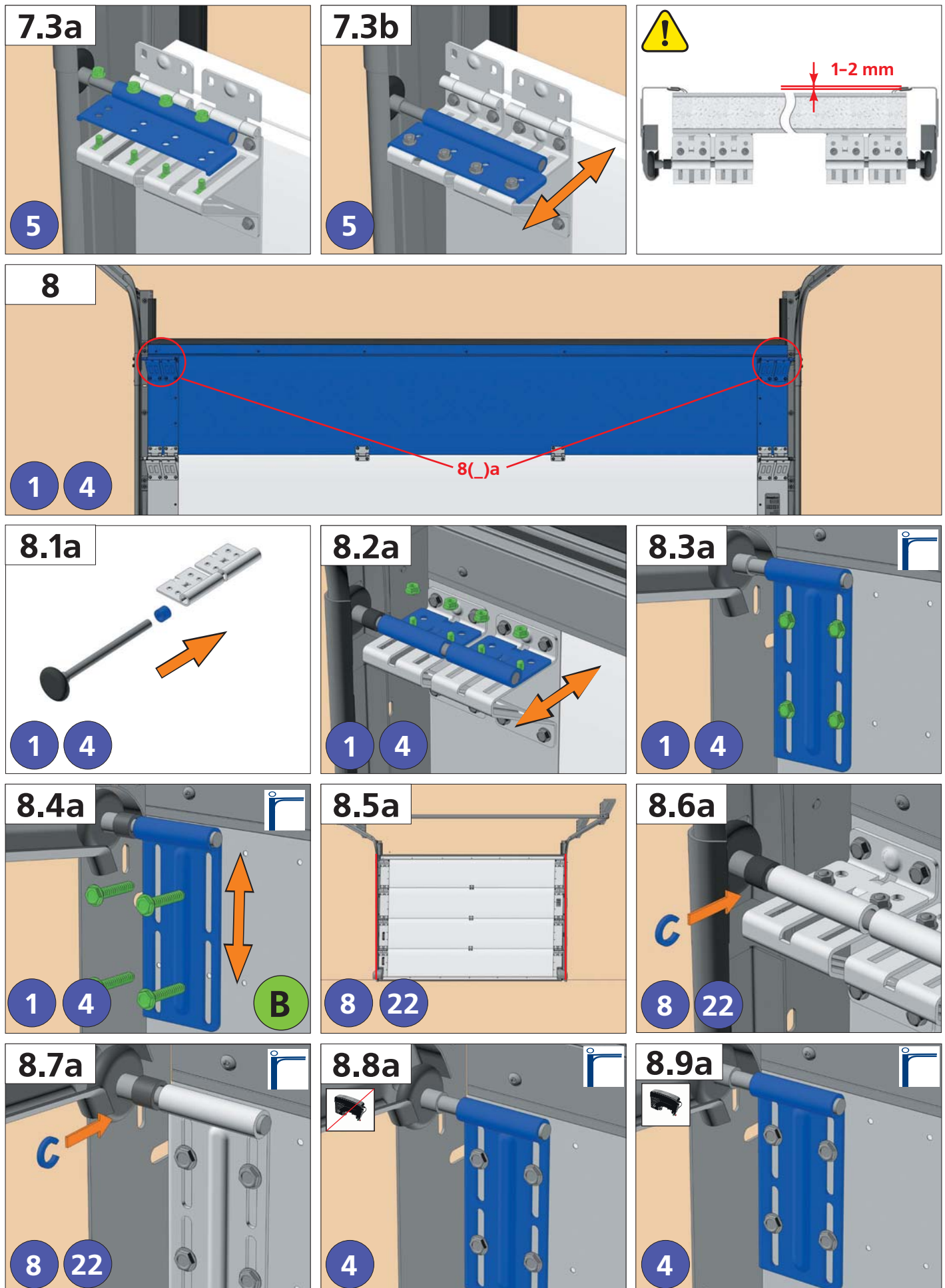


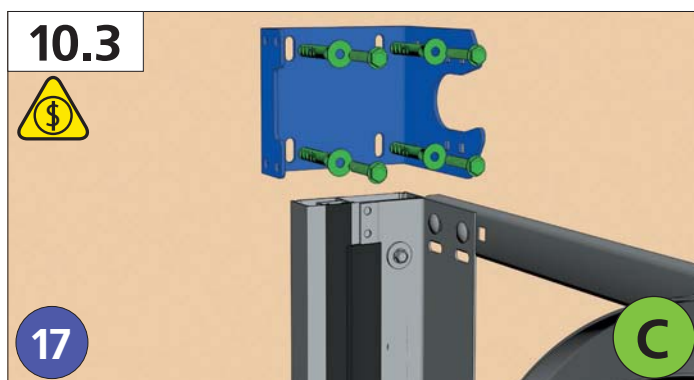
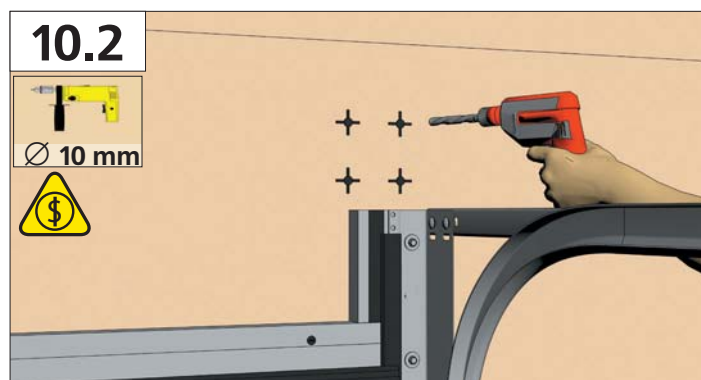
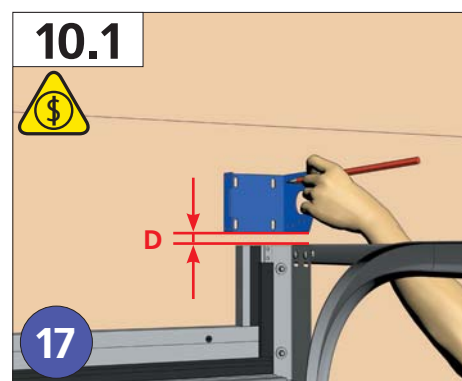
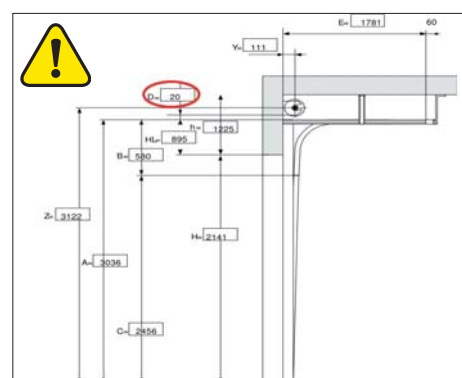
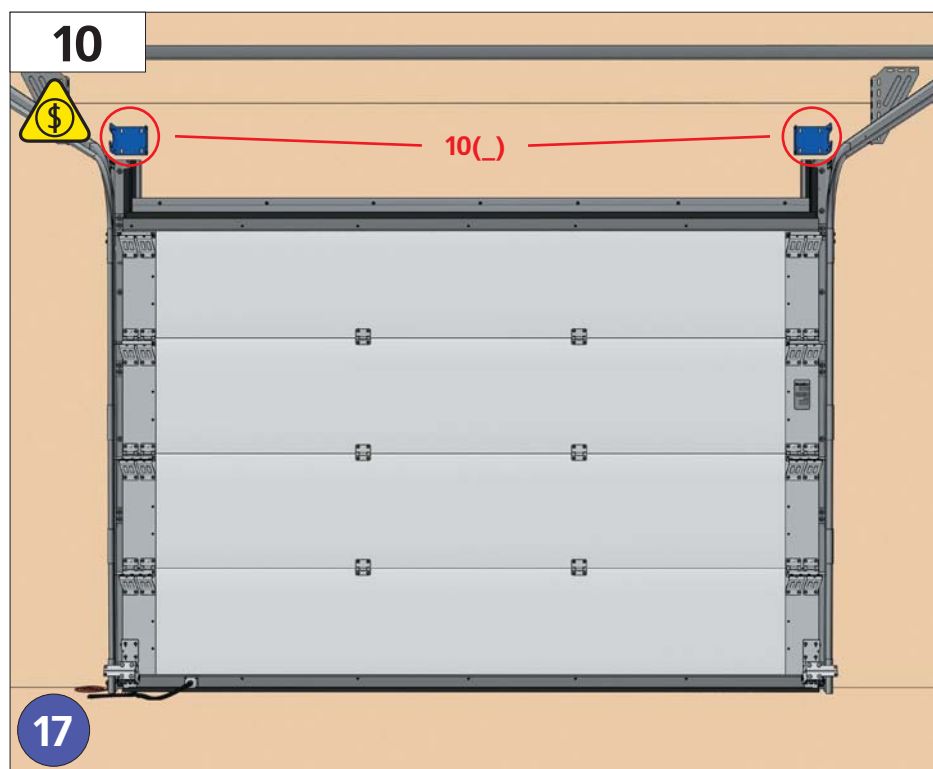
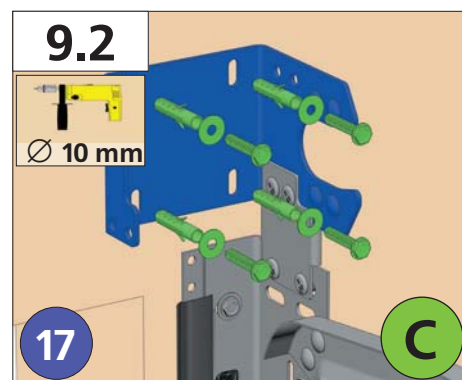
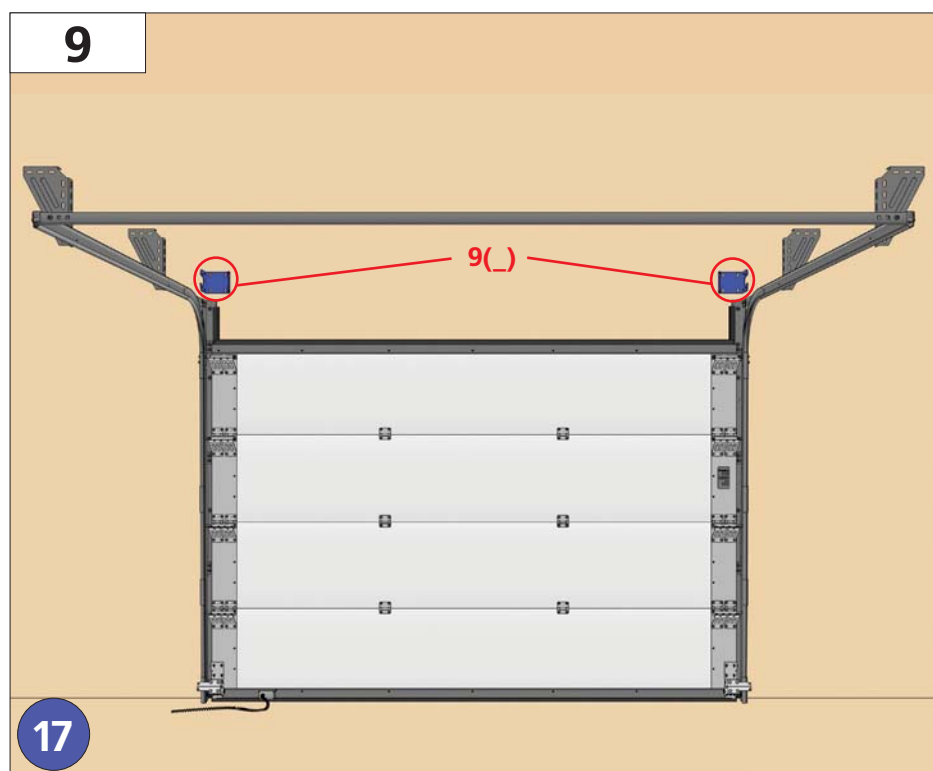


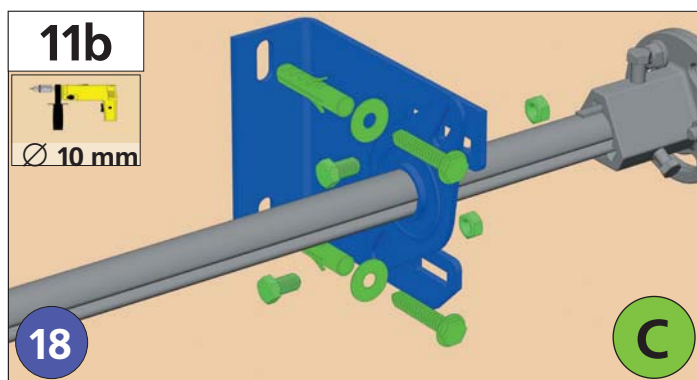
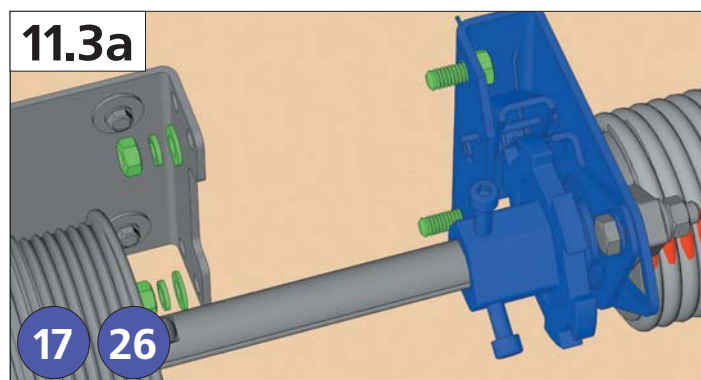
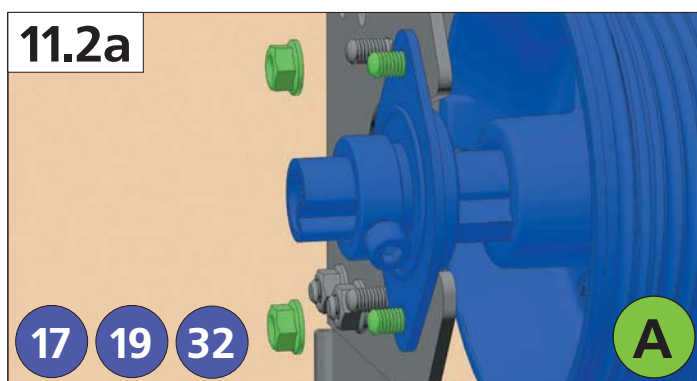
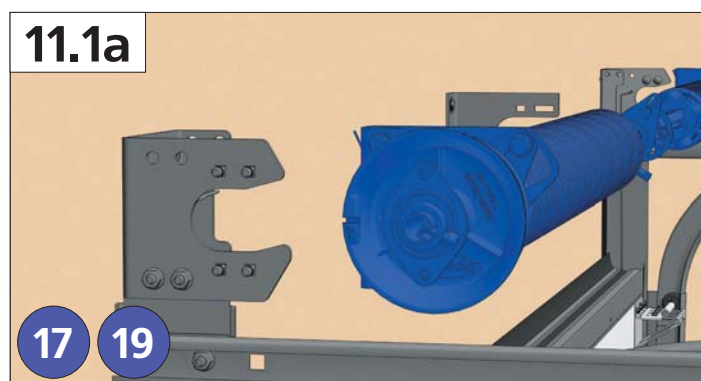
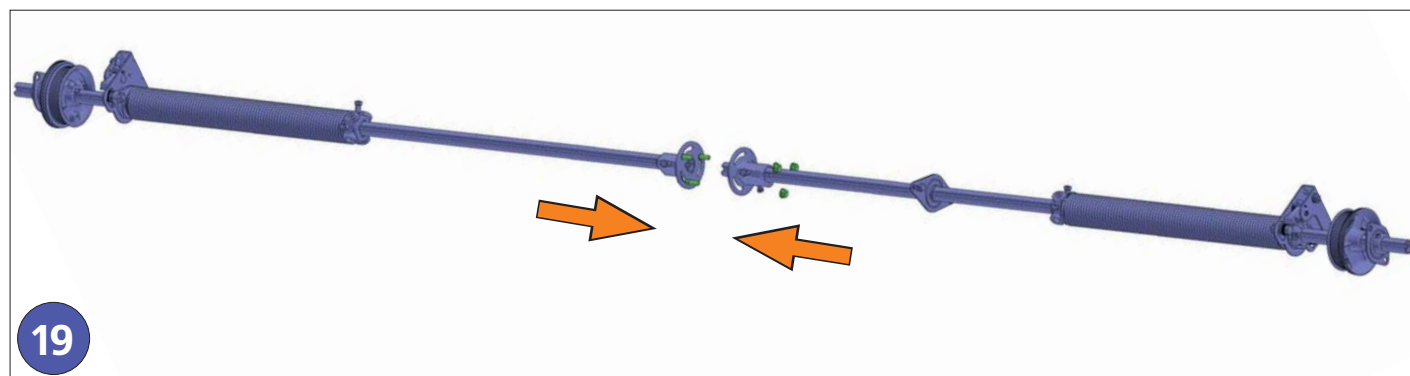
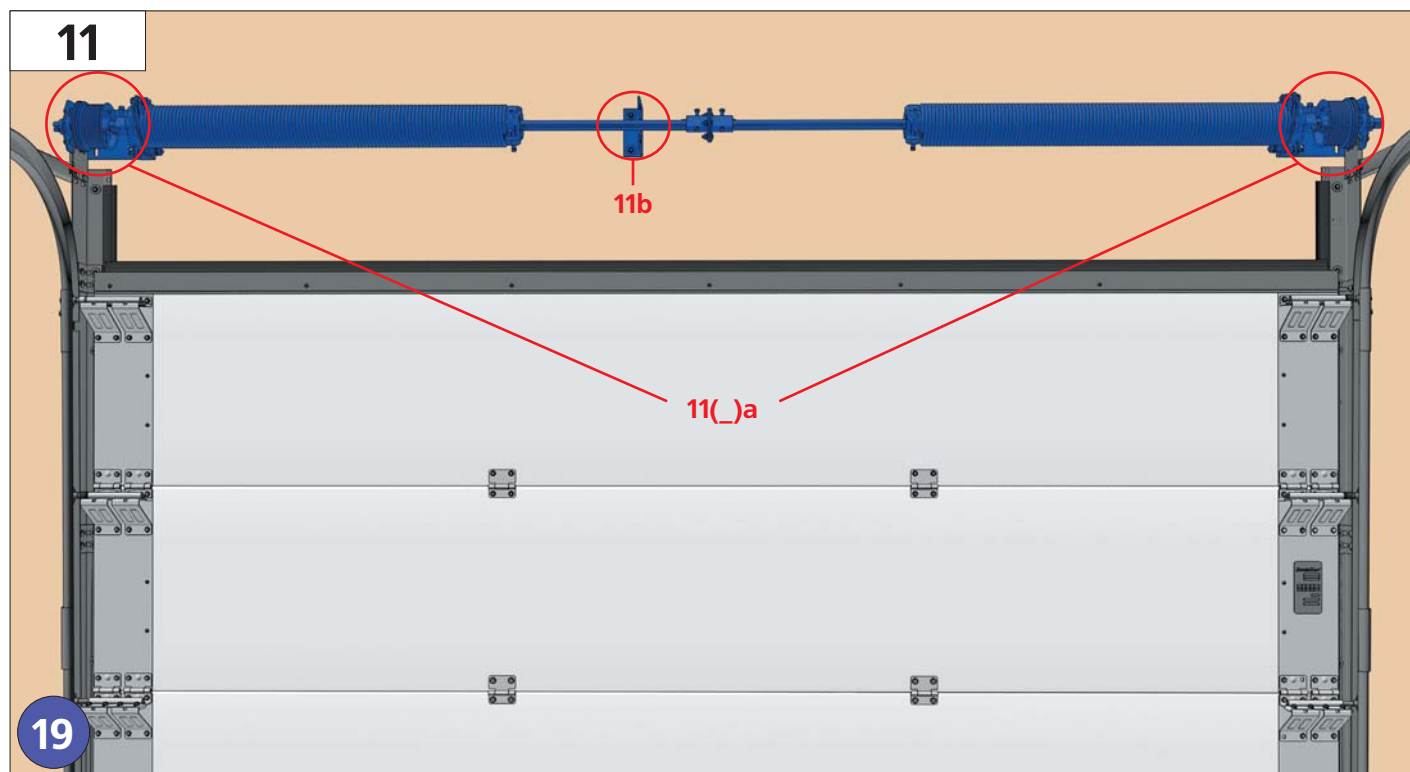


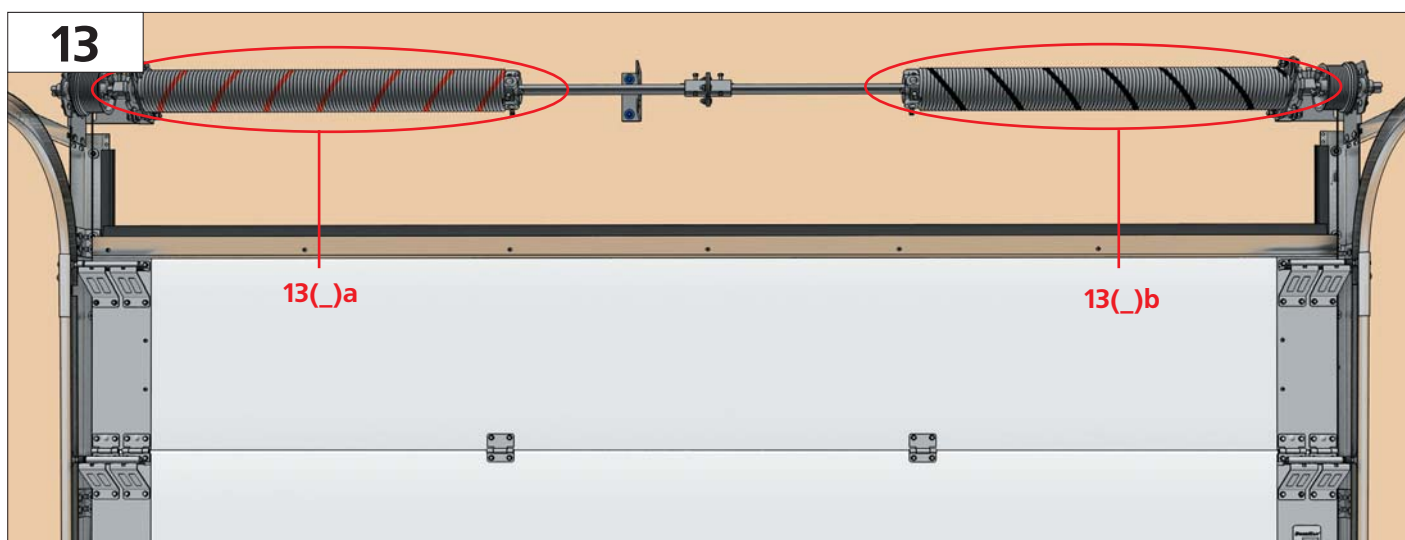
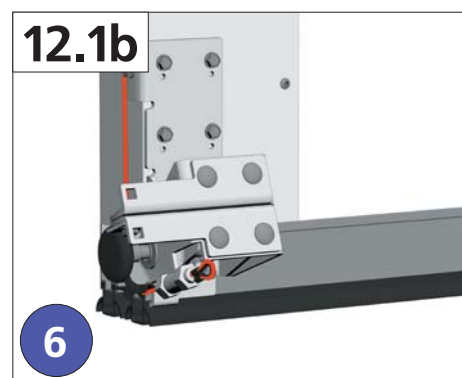
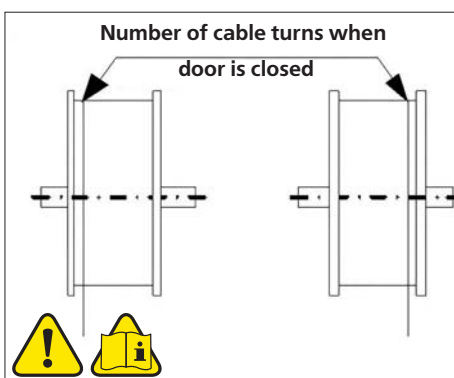
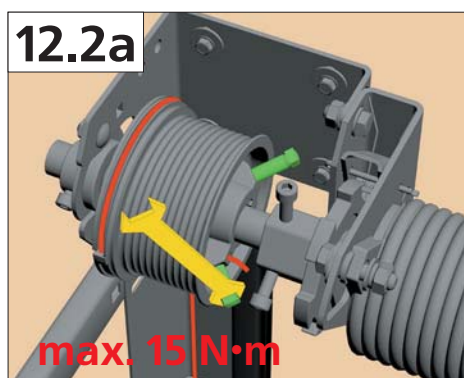
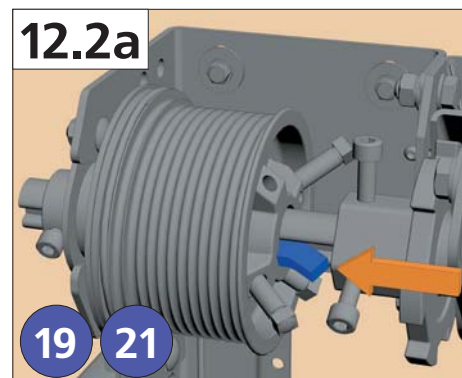
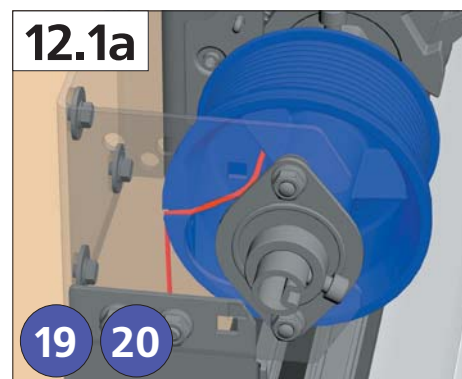
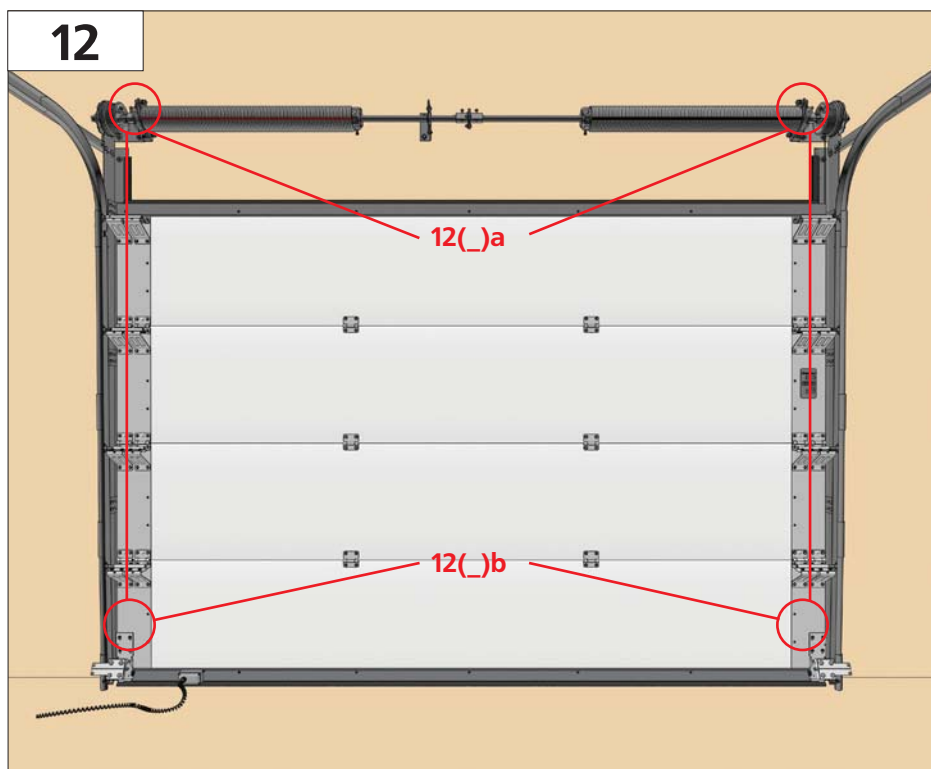




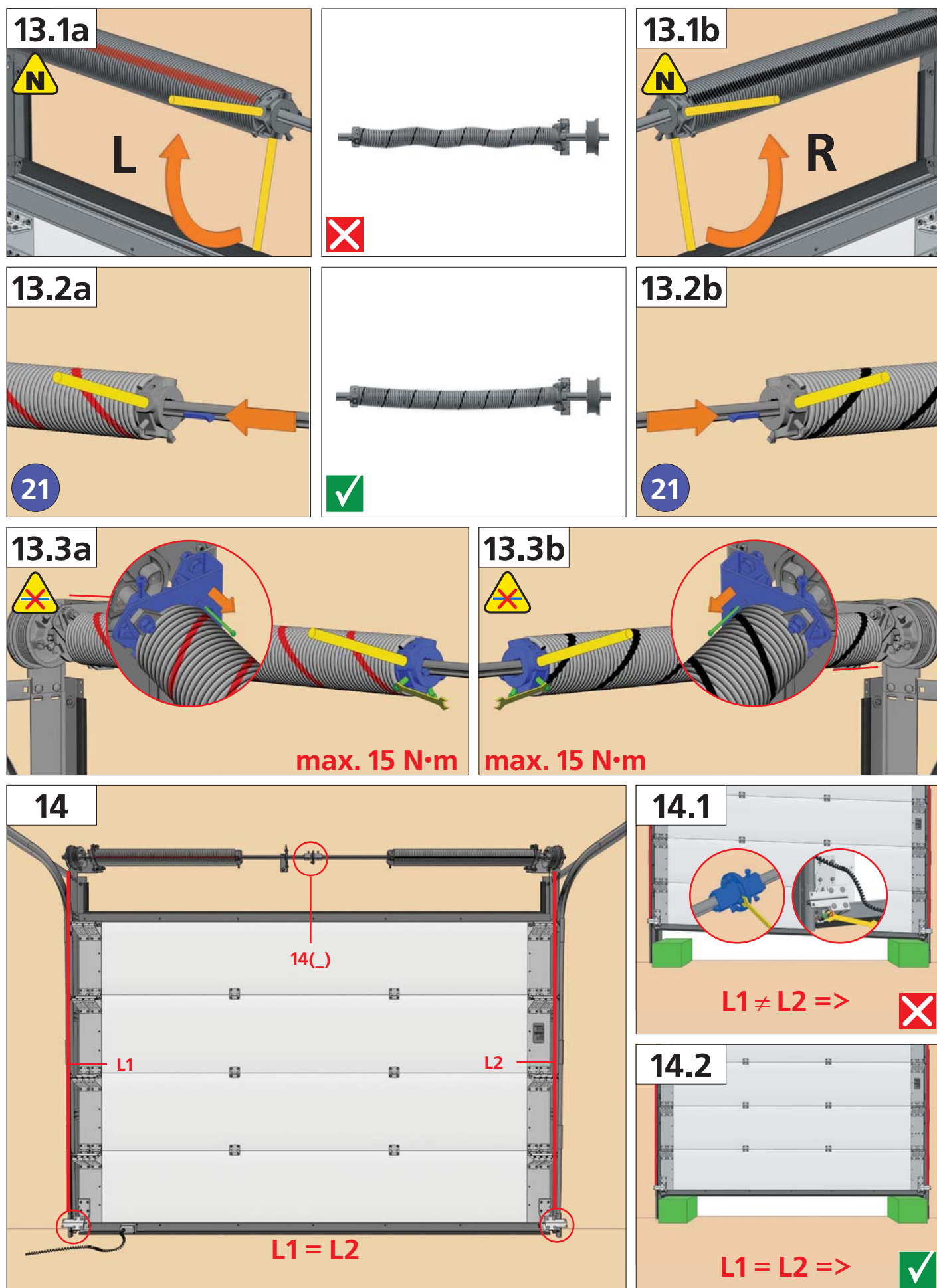


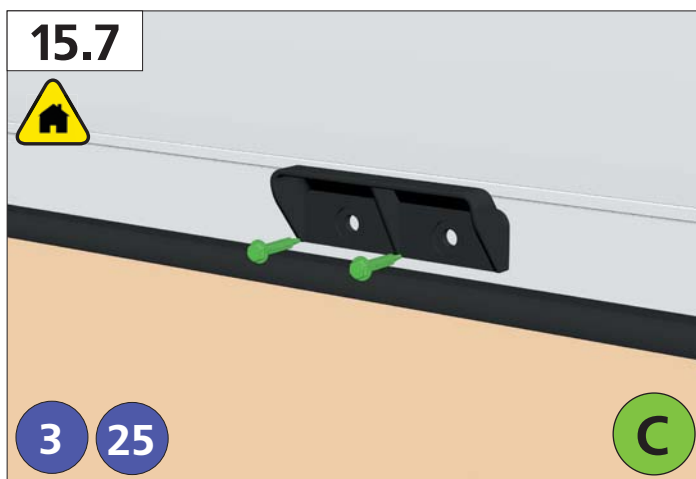
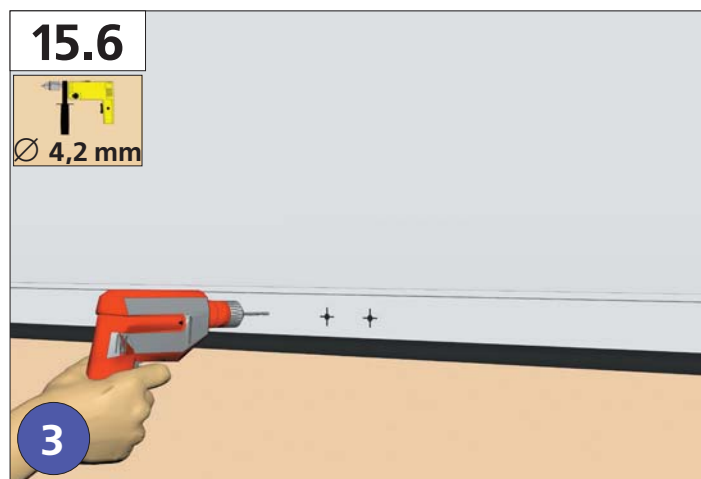
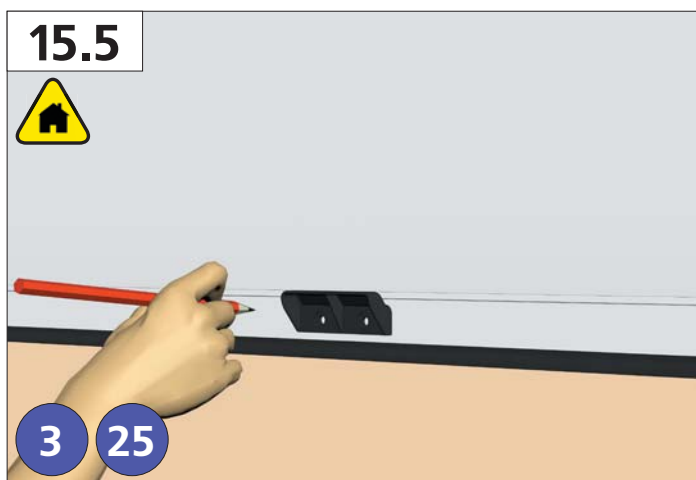
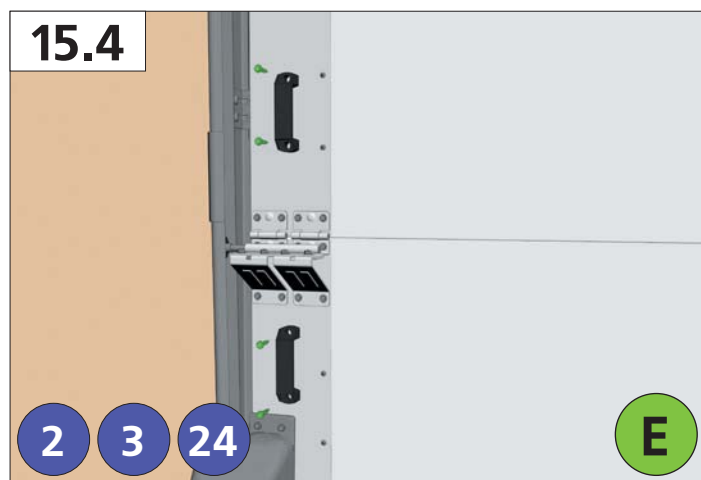
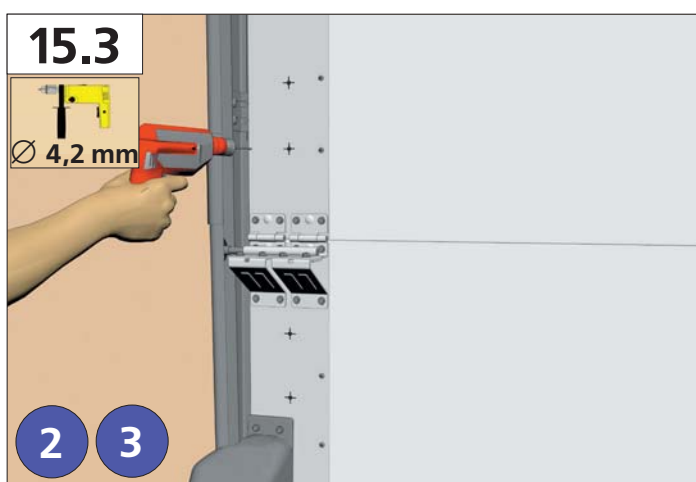
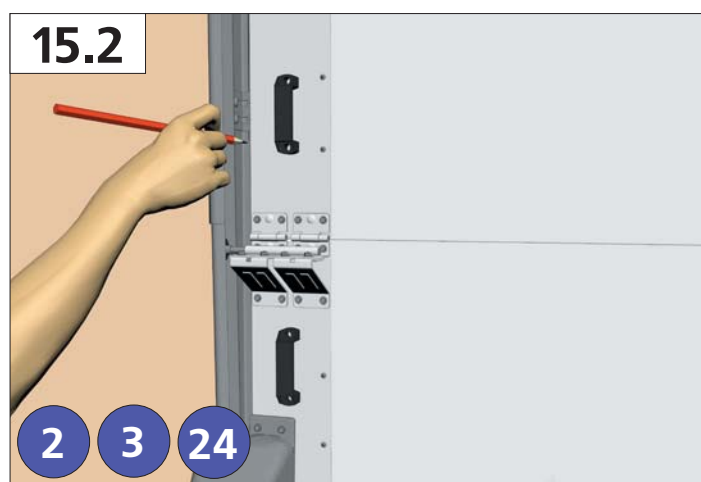
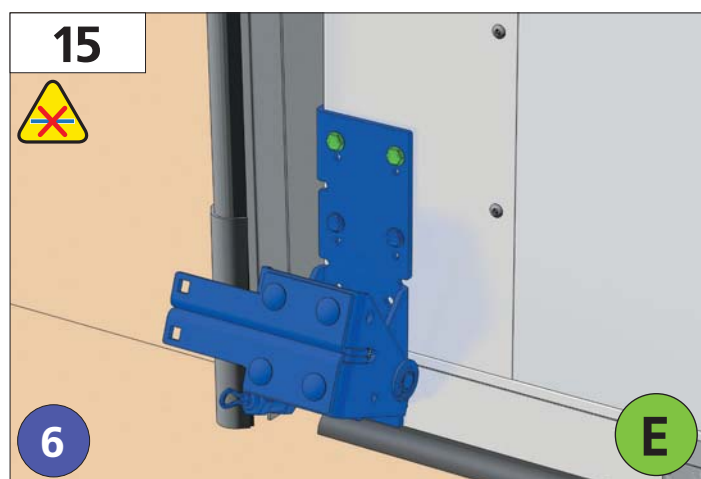


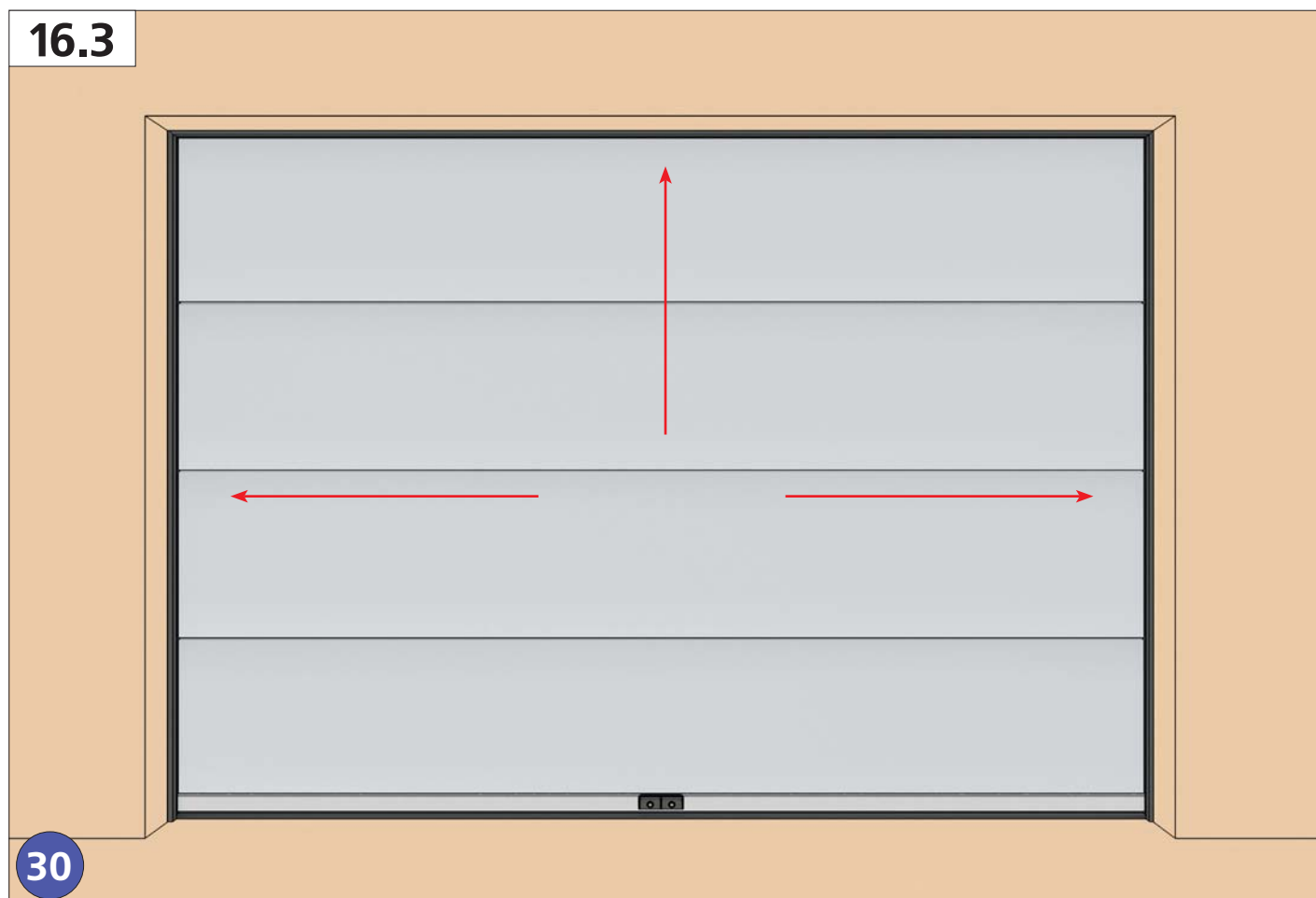
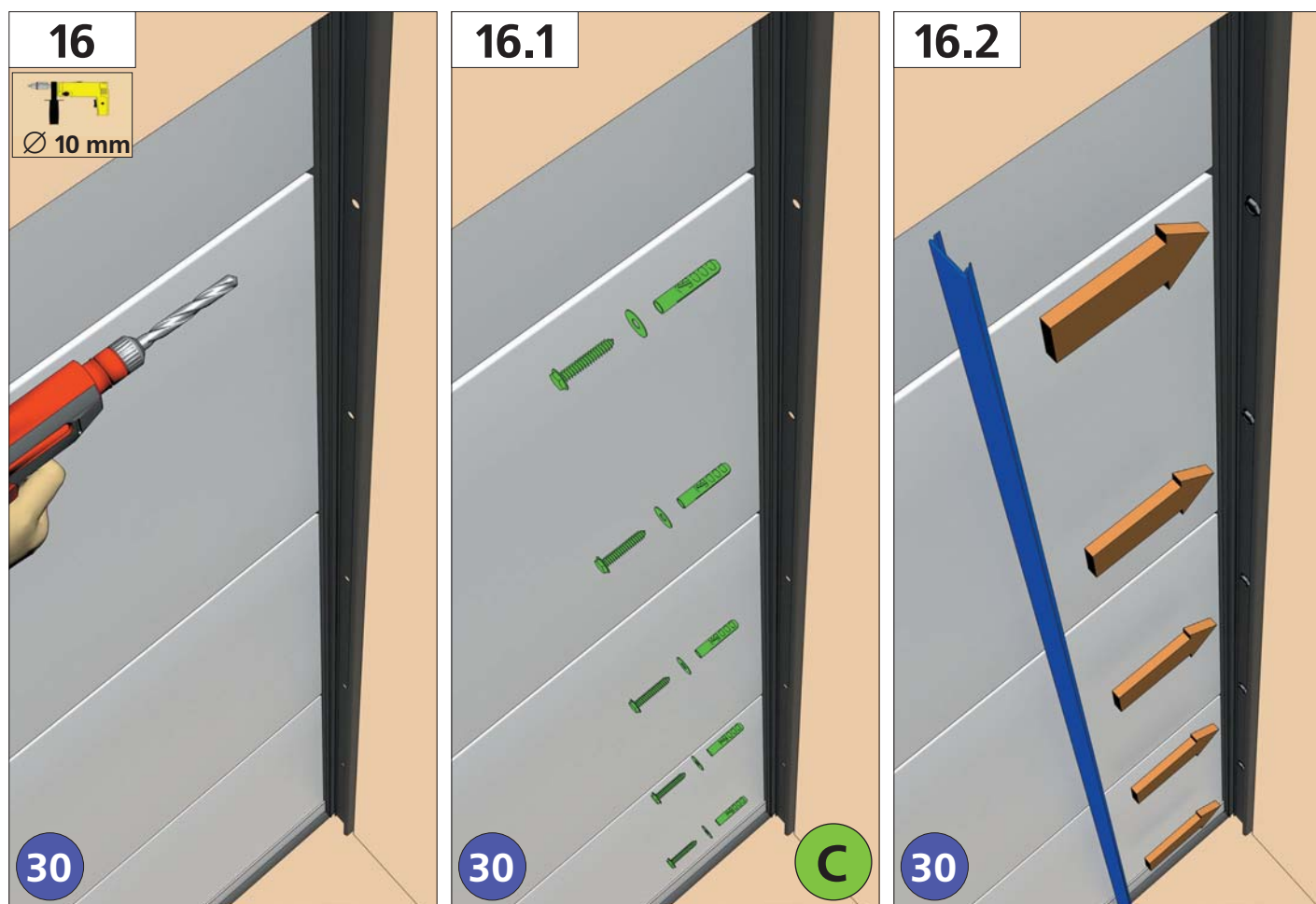


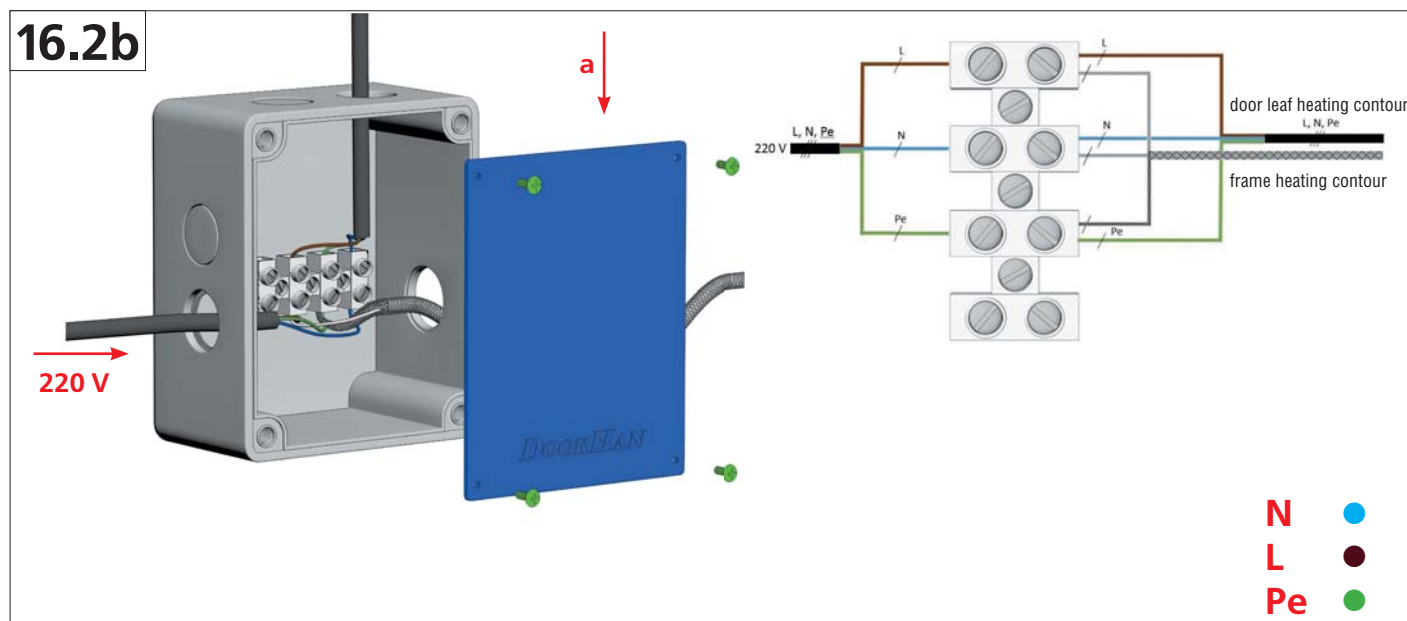
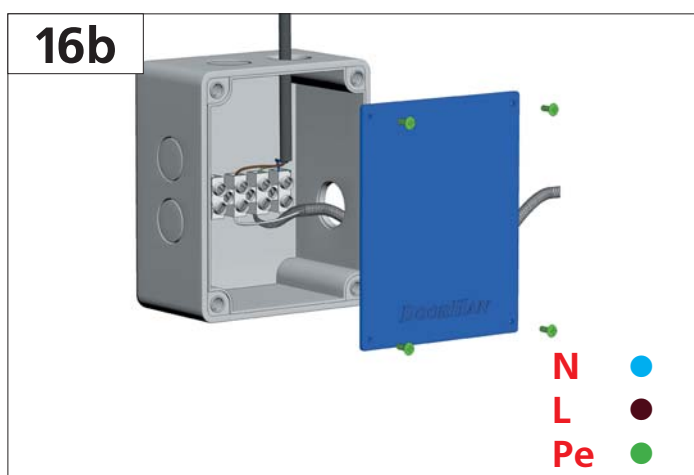
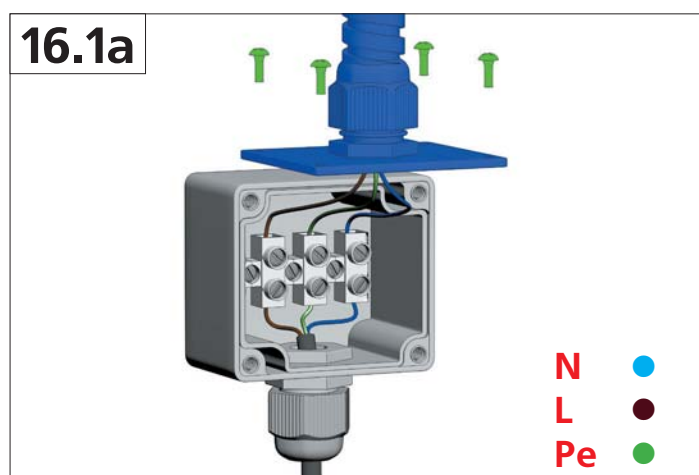
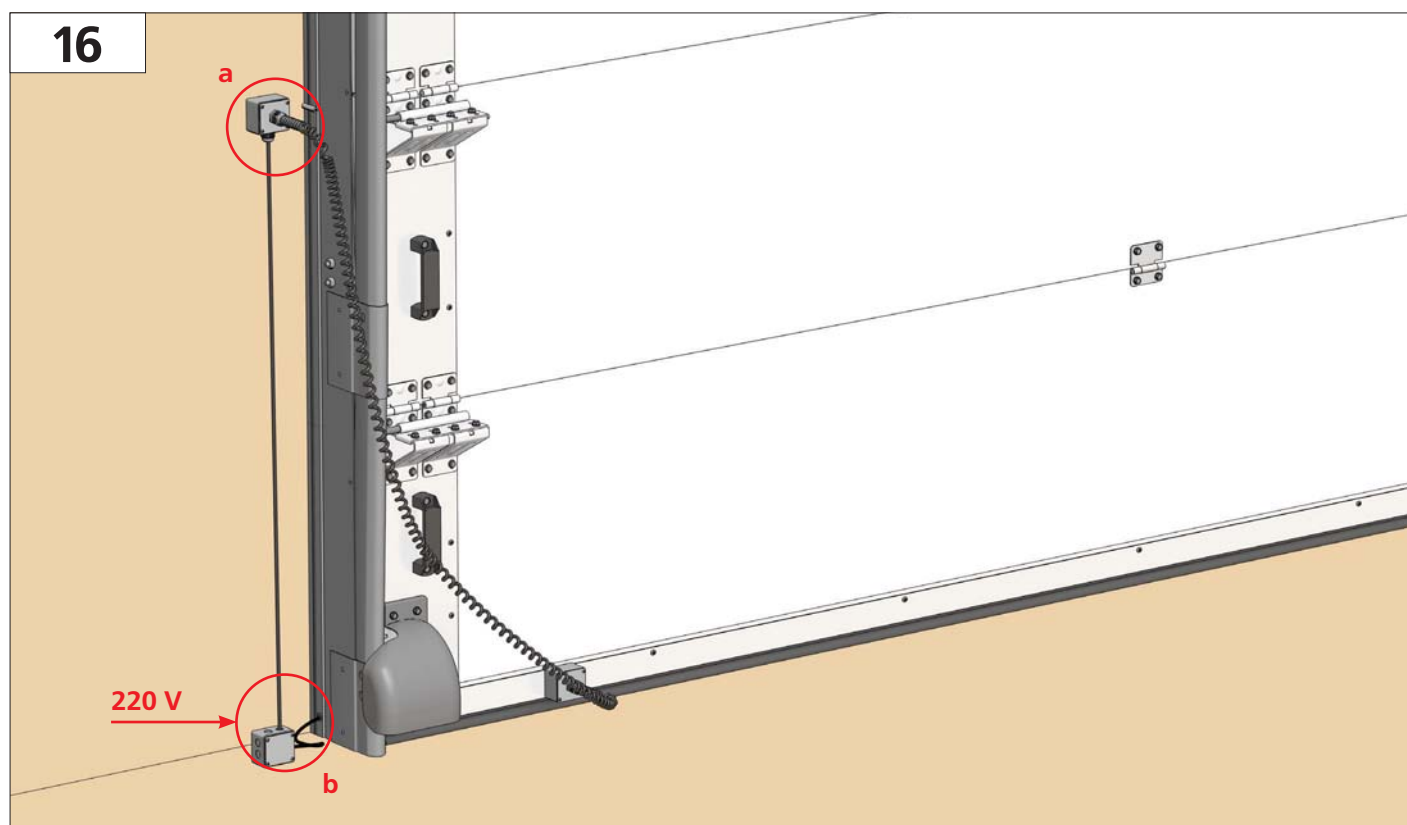


No	Article	Name	Unit	Qty.	Length, mm	Width	Notice
1	25018/M	Tubular shaft with keyway	p/m	1	3240		
2	35082M	Spring filler	UNT	1	961		
3	34085/mL /RAL7004	Painted torsion spring 95 x 8,5 RAL7004	p/m	1	1061		8.6 number of rotations
4	SSD-310L	Spring safety device for left spring	UNT	1			









Lined area for notes, consisting of multiple horizontal dotted lines.

[illegible]

Notes section with horizontal dotted lines for writing.

DOORHAN[®]

We very much appreciate that you have chosen the product manufactured by our company and believe you will be satisfied with its quality.

For acquisition, distribution and maintenance please contact your local DoorHan representative or the central office at:

Kadan, 43201, Czech Republic
Telephone: +420 474 319 111
E-mail: europa@doorhan.com
www.doorhan.cz