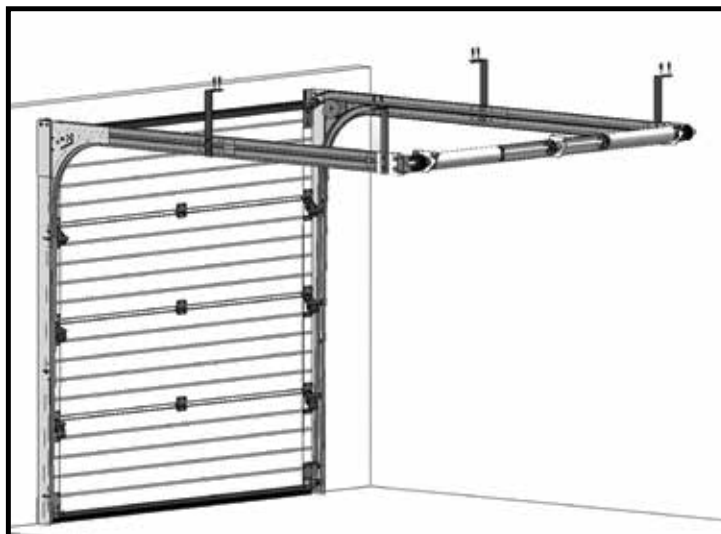


TL
LHR-RM






FITTING, OPERATING AND MAINTENANCE INSTRUCTIONS



Fitting and Maintenance Instructions

Symbol explanation

	WARNING! Risk of personal injuries or death!
	CAUTION! Indicates a danger that can lead to damage or destruction of the product.
	INSPECT! Check the results of current work step before proceeding to next step.

Read and follow these instructions carefully!

They provide you with important information on safe fitting and operation, as well as proper care and maintenance of your garage door.

Keep these instructions, user manual and the warranty sheet.

RYTERNA is not liable for damage resulting from non-compliance with these instructions and the safety regulations.

Only a qualified person can fit start-up and maintain the door following these instructions.

Dispose of components and packaging.

The garage door is only intended for private use and is suitable for use outside.

The garage door is compatible with electric operators approved by Ryterna.



Personal safety

Installation should only be carried out by a person qualified for the task.

Wear safety glasses and protective gloves.

For reasons of safety, only carry out the installation steps in the sequence specified in these instructions.

Use power tools for their intended purpose and according to manuals.

Secure the door and it's parts from falling.



Damage of the product

To protect door surface from scratches and dents use sawhorses with soft top surface.

Do not lay door panels on ground or floor.

Secure door and it's parts from falling objects during fitting.

Fit all delivered parts and fastenings according to the instructions.

Only mount the door onto structurally sound and static surfaces which are capable of supporting the door weight.

Use only quality tools.

Protect the door and it's parts against drilling dust during fitting.

DO NOT FOLLOW THE BRICK LINE!

Use spirit-level to position door in right position. Horizontal parts must be level and vertical parts must be plumb!

DO NOT remove, replace or modify the original garage door parts.



Initial inspection

Check the garage opening measures and squareness to correspond with the door size.

The floor is at its finished height and is level.

The walls and ceiling suitable for door fitting.

Visually inspect the general condition of the door, all components, and safety devices for completeness, proper condition, and effectiveness.

Please report before fitting if door parts are damaged during transportation, have scratches or dents.

RYTERNA is not liable for door defects reported after fitting.



Maintenance

Have a specialist perform inspection and maintenance work on the door at least once a year in accordance with these instructions.

Functional parts, particularly safety components, may only be exchanged by a specialist.

To ensure a high level of quality, safety, reliability, as well as a long service life, only use original parts intended for this particular garage door.

If door is malfunctioning – contact expert for assistance.

Do not remove the data plate. It must always be easy to read.

Lubricate all door hinges at least once a year with a standard penetrating or lube oil.

Clean the door surfaces with clear water and a soft sponge or with conventional paint cleaners.

Unsuitable cleaning products can cause stress cracks and damage the painted surface.

Do not use any abrasive cleaners, solvents, sharp tools or alcohol or acetone based cleaners.

Clean the synthetic panes with clear water and a soft sponge or cloth.

Protect the door from caustic, aggressive substances, e.g. nitrous reactions from stones or mortar, acids, alkali solutions, de-icing salt, aggressive paints or sealants.

Always cover the door before plastering or painting, since spots of mortar, cement, plaster or paint can damage the surface.

Ensure that there is sufficient water run-off and ventilation in the garage.

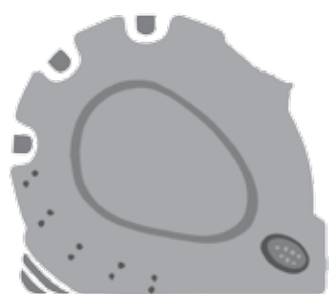
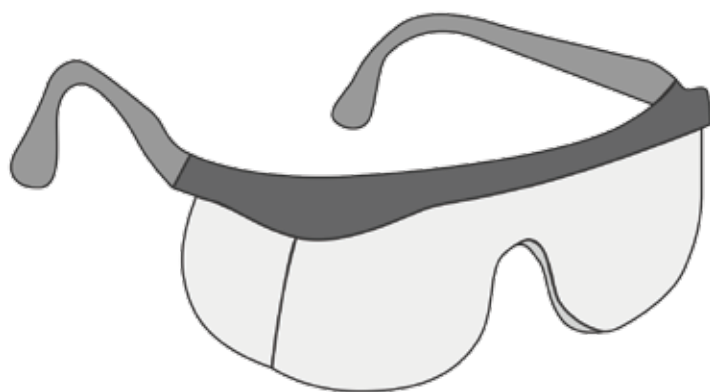


When operating the door, always make sure that there are no objects or persons, especially children, within the door's range of movement!

Be careful while using the door during heavy winds.

Dismantling

Have the door dismantled and disposed of by a specialist.

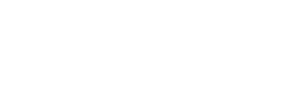
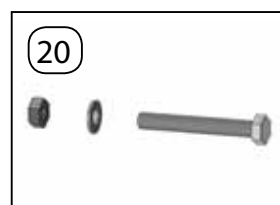
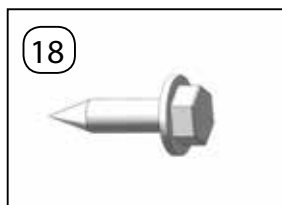
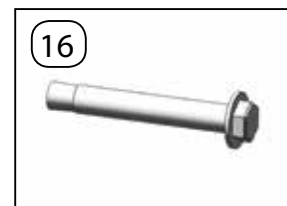
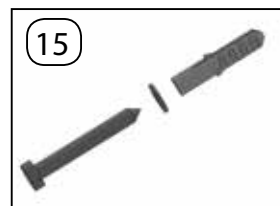
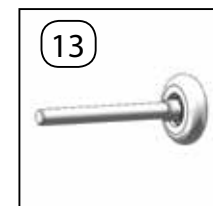
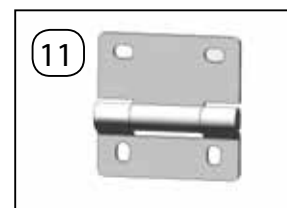
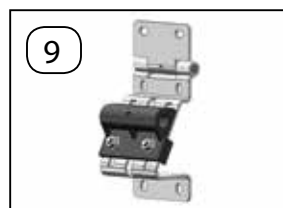
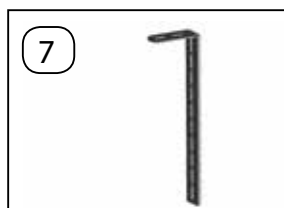
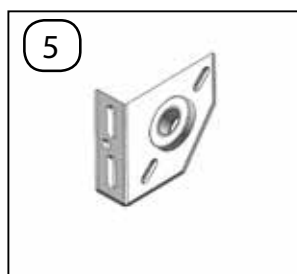
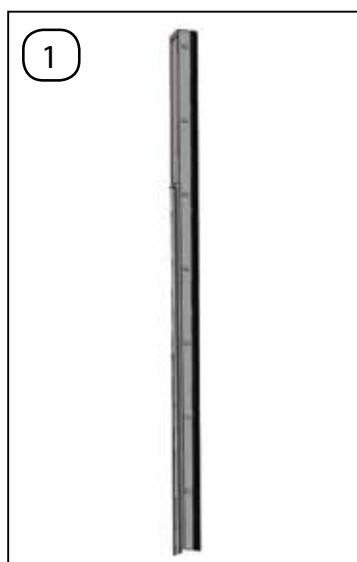
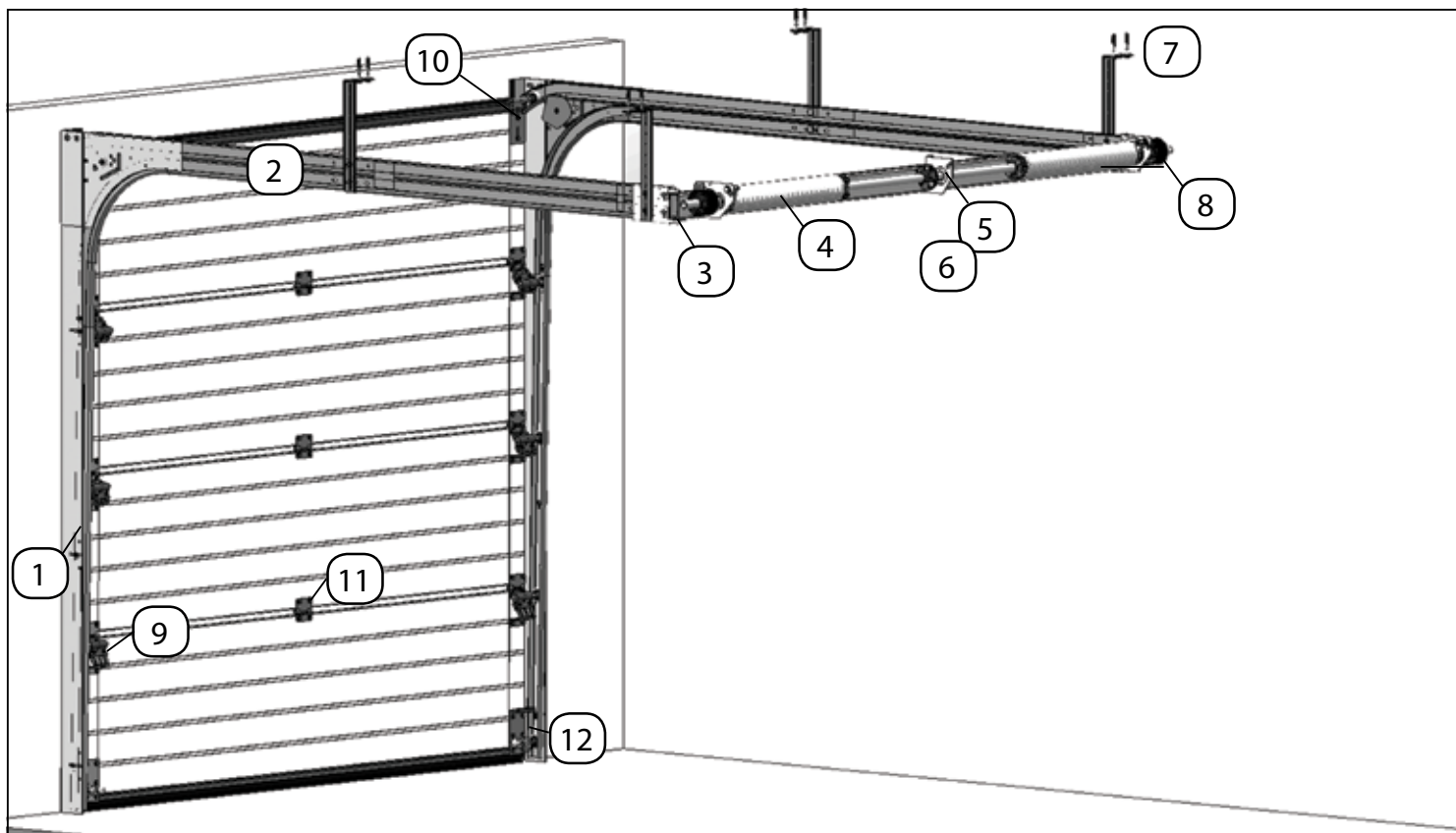


5 mm

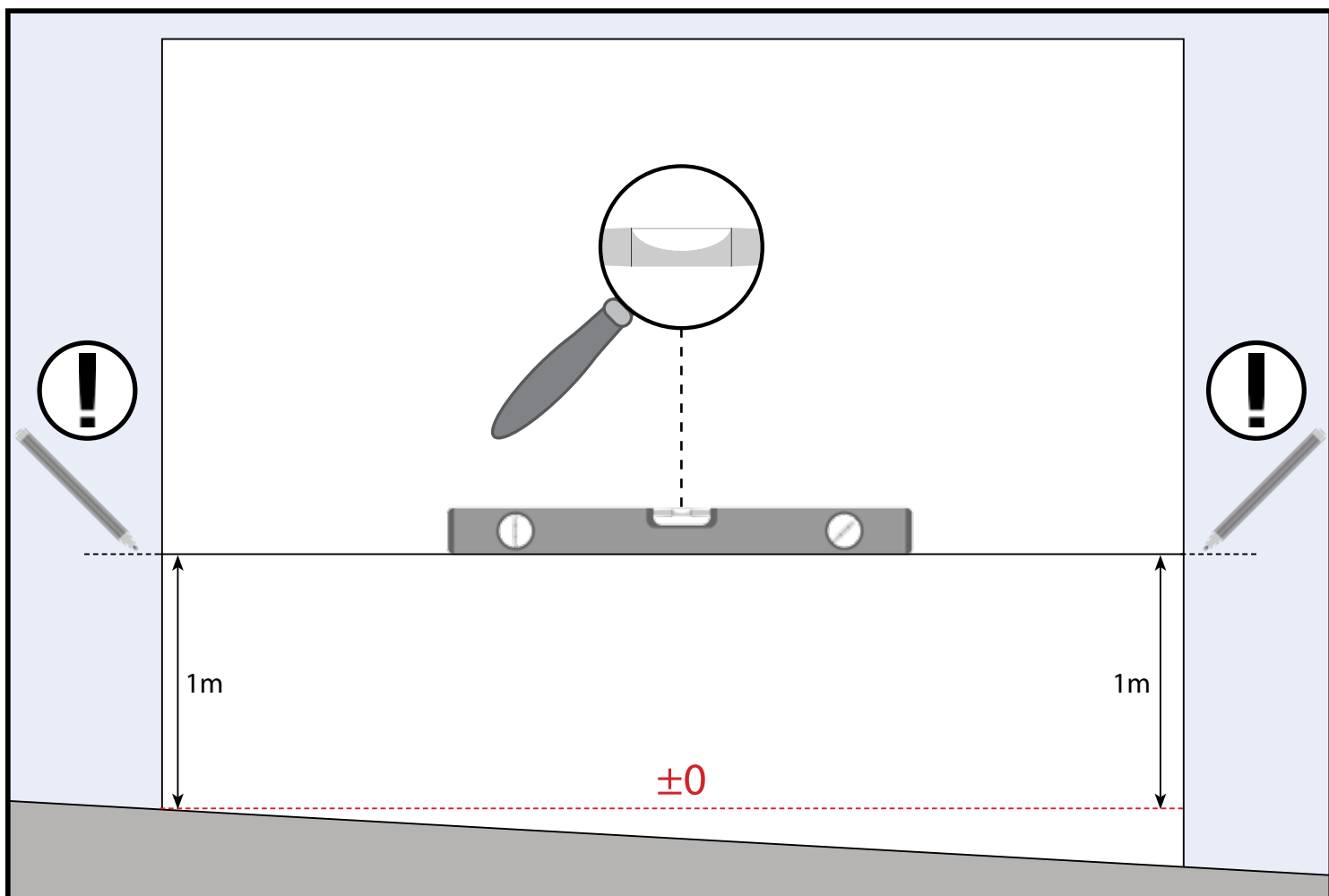
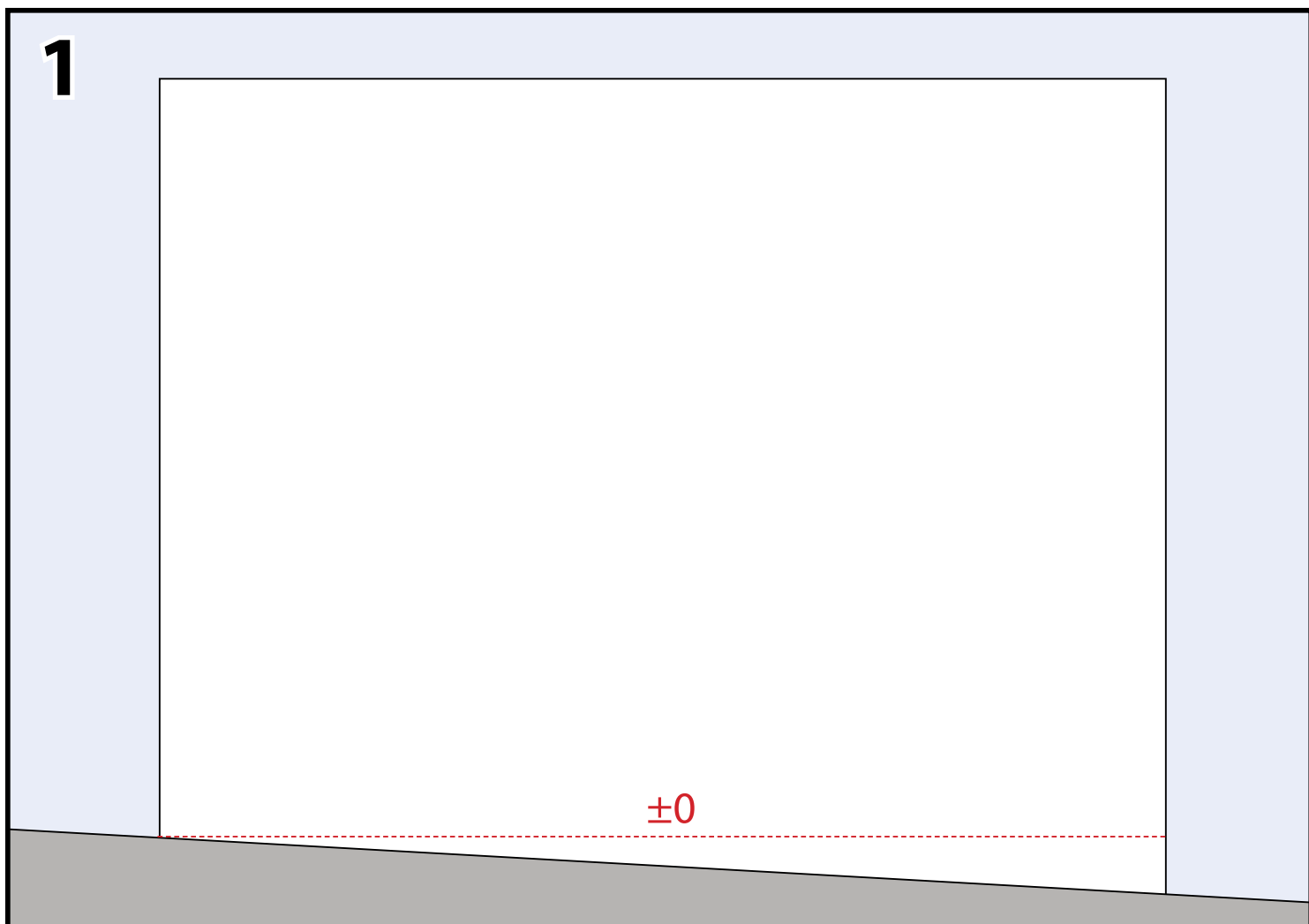
4 mm

3 mm





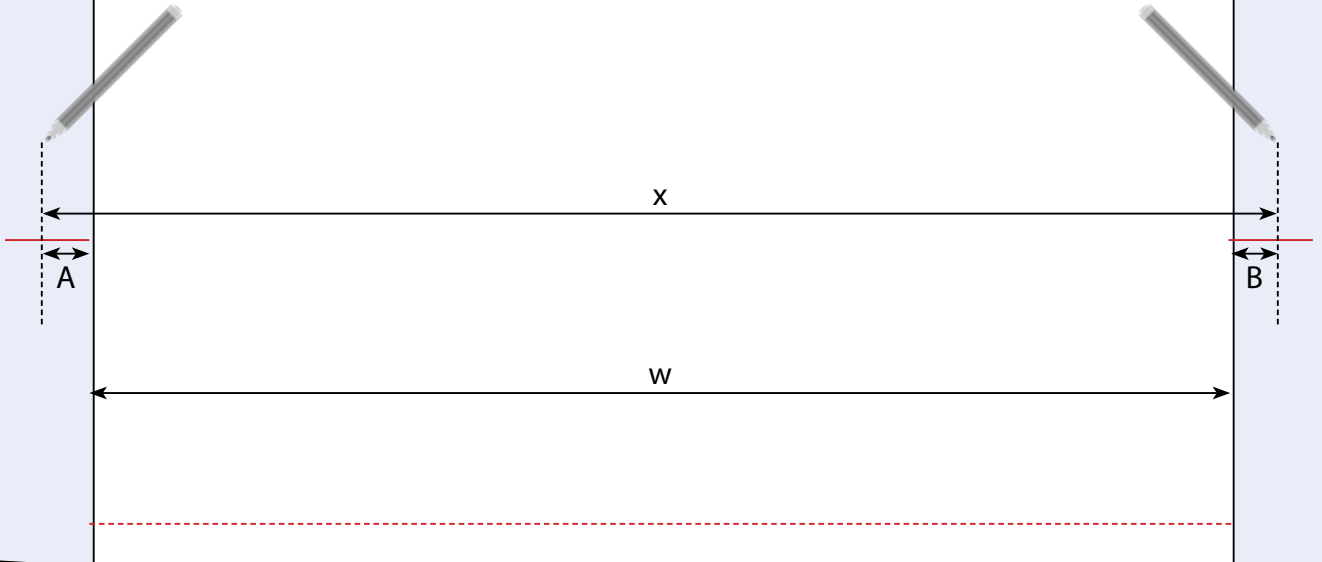
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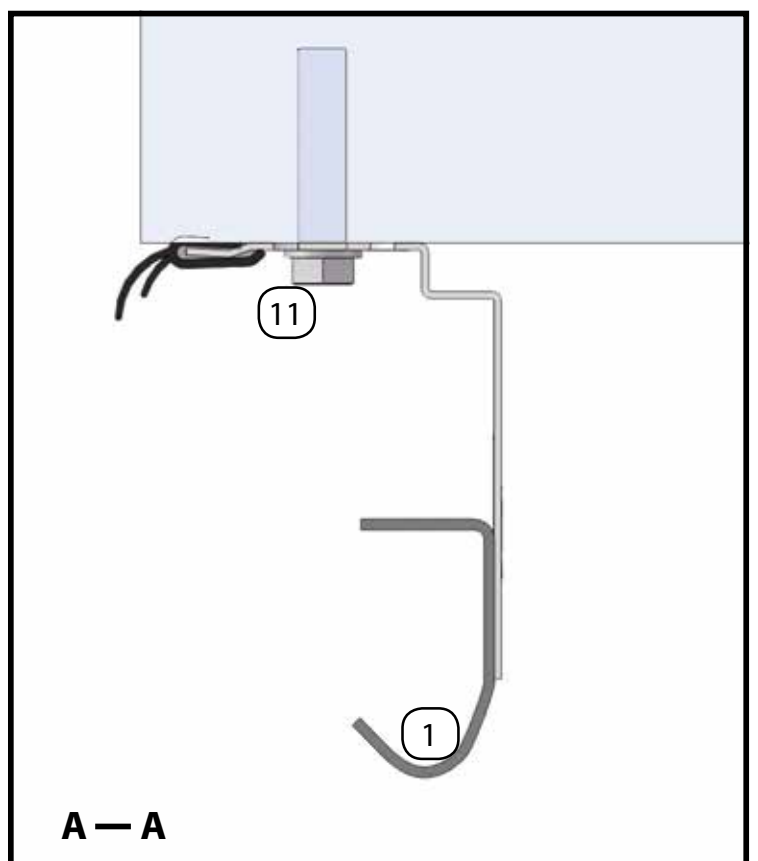
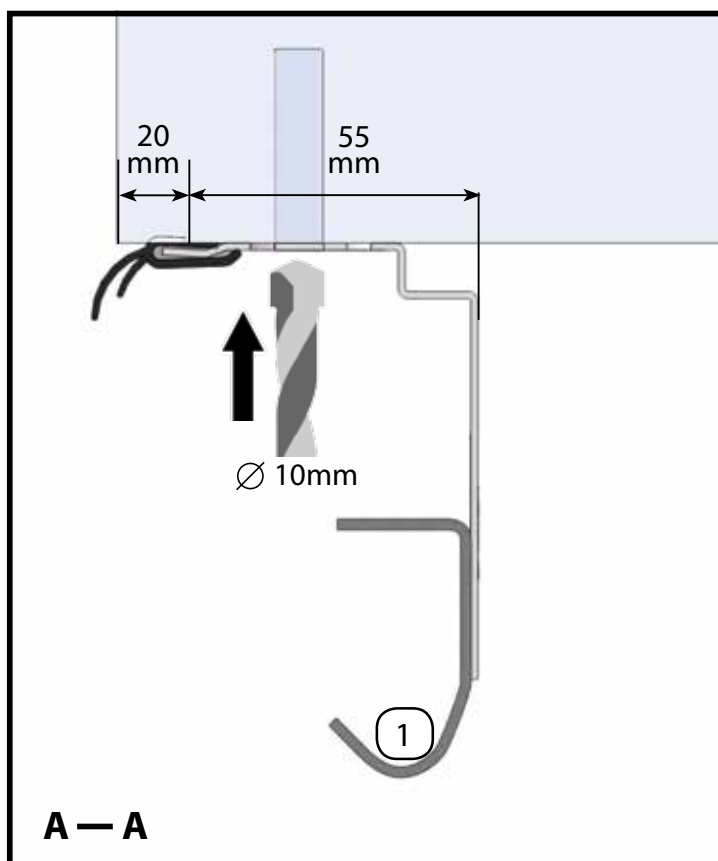
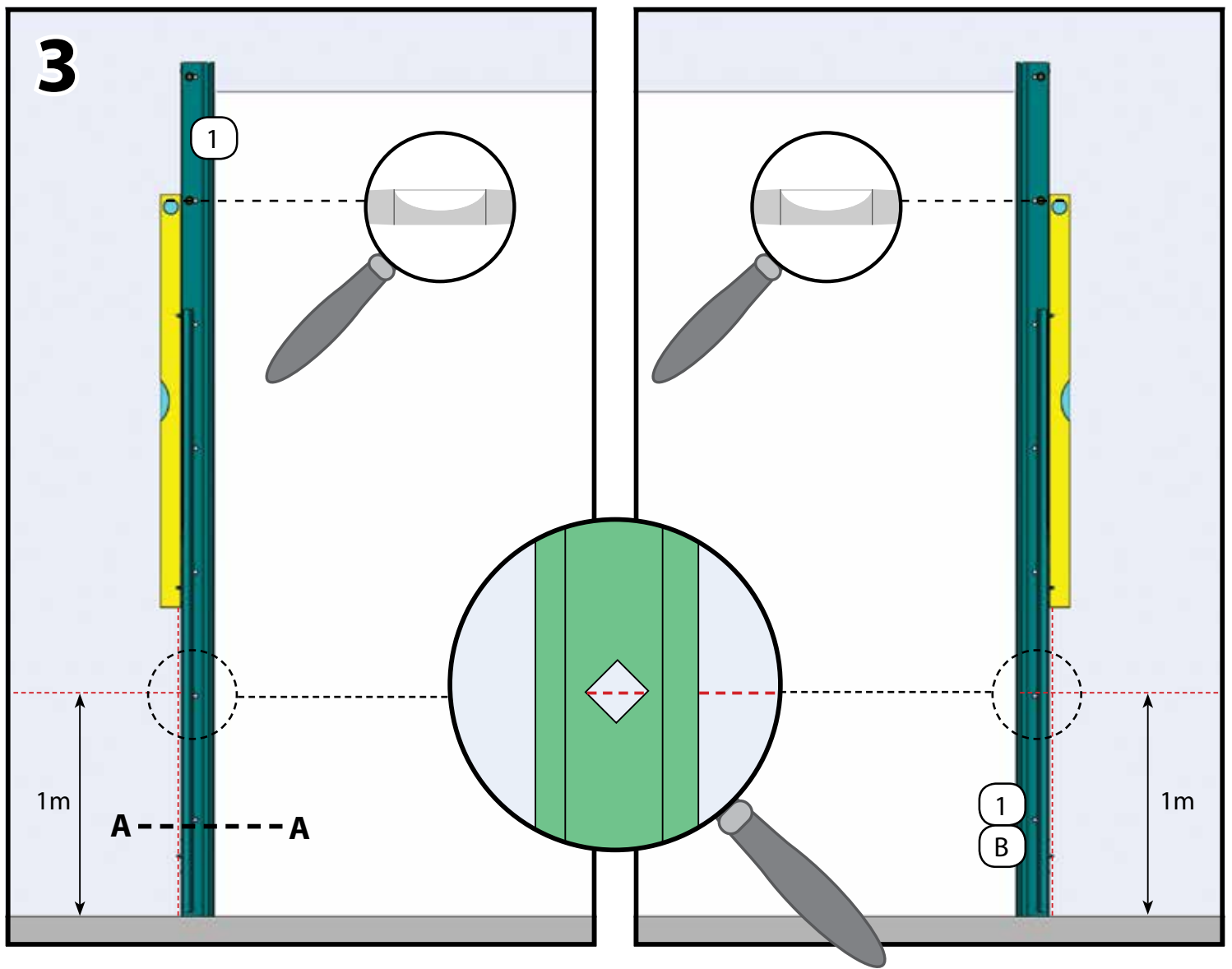


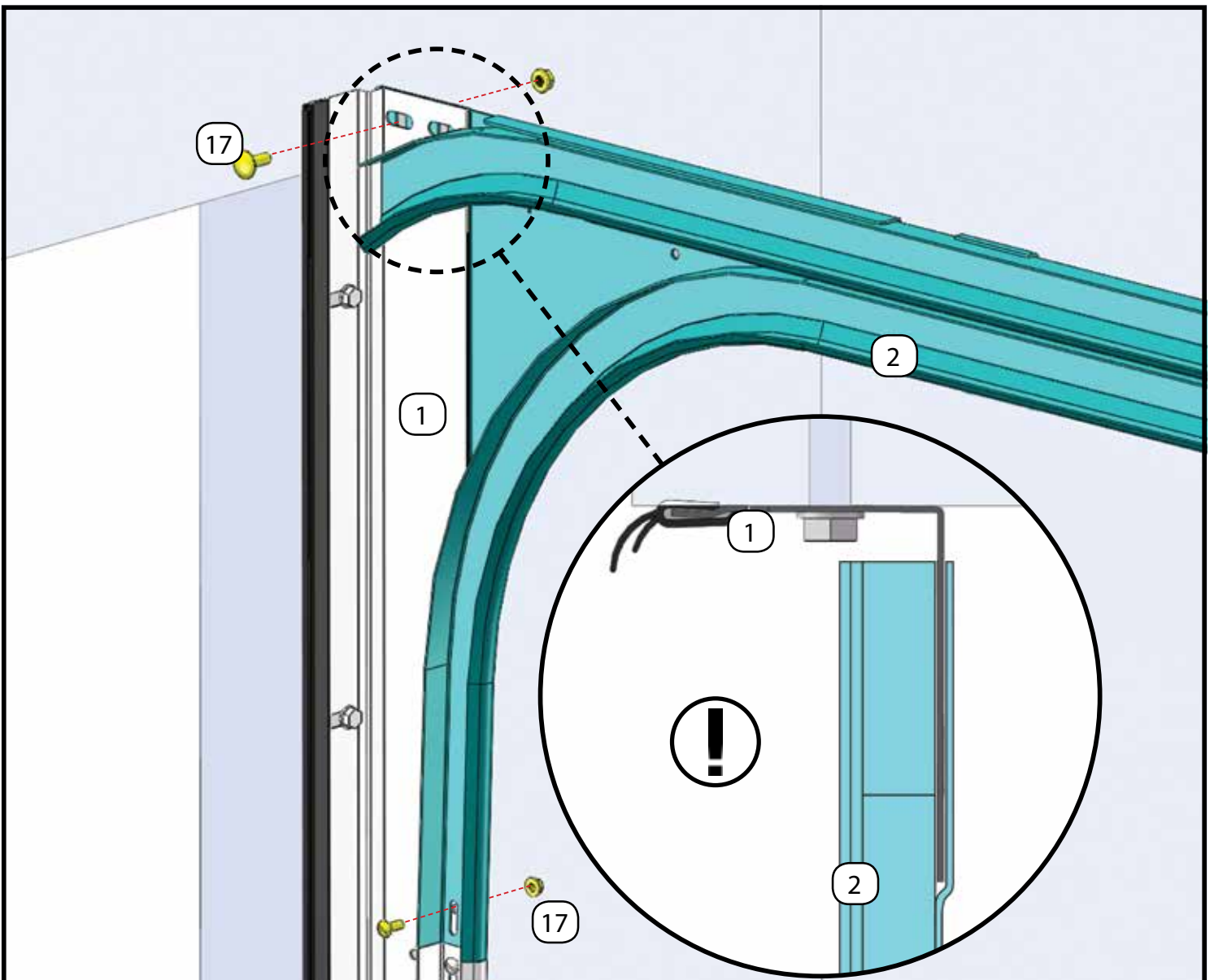
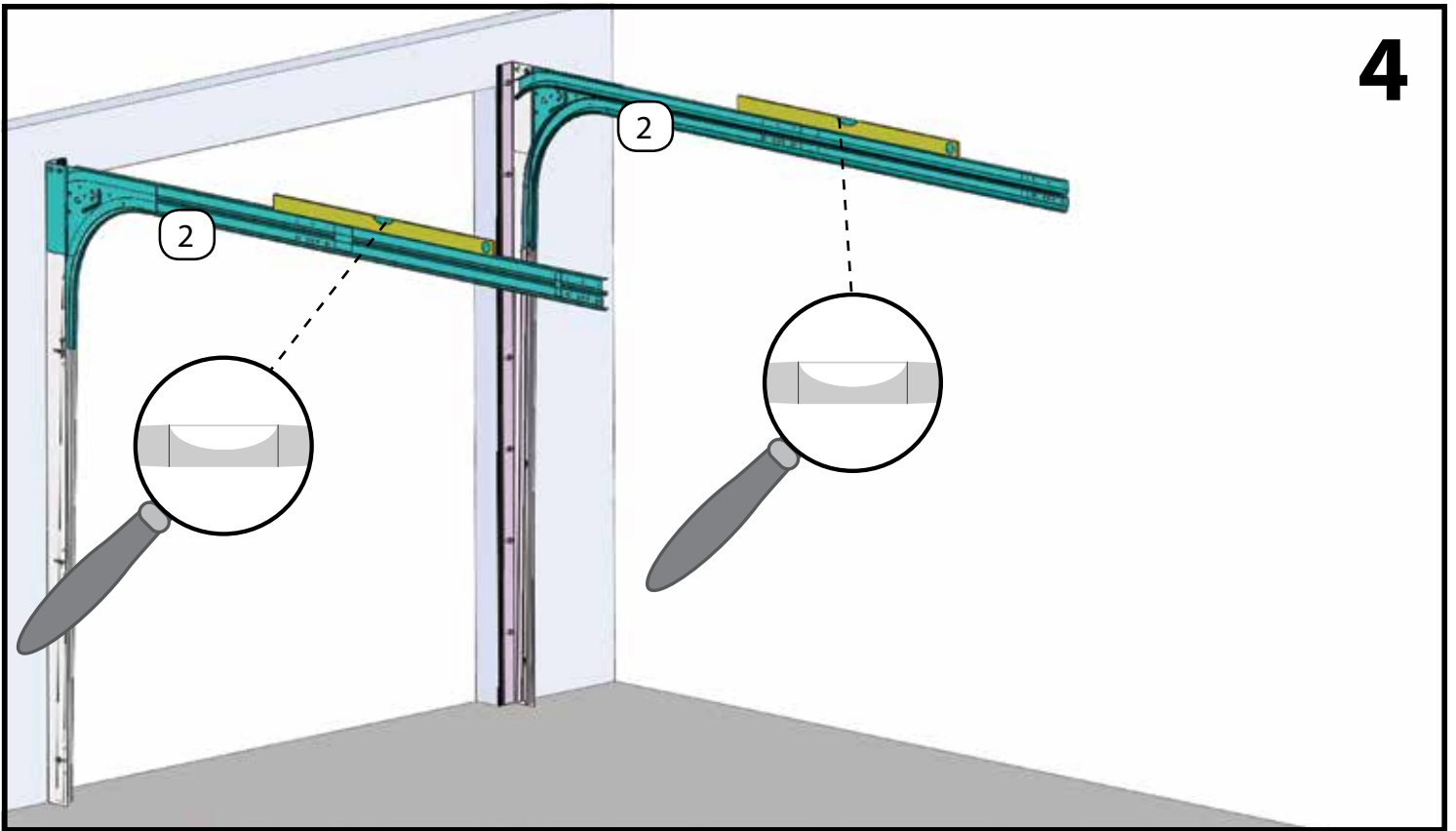
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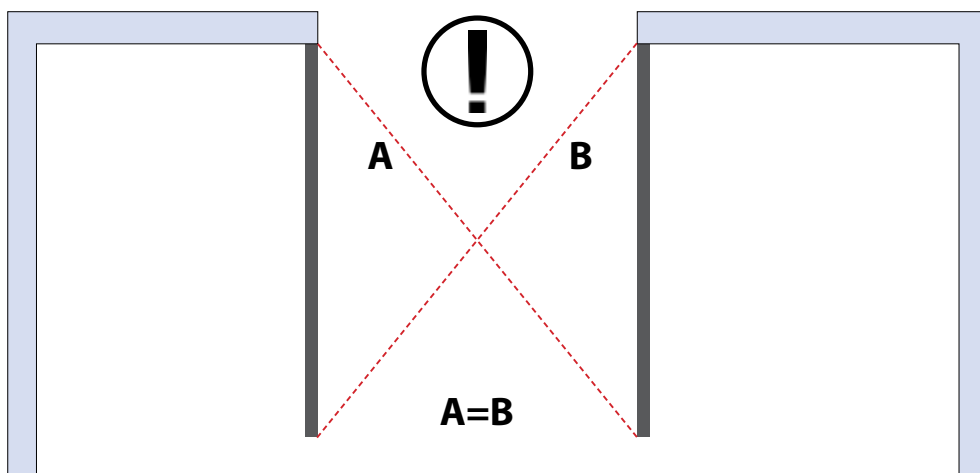
$A=B$
 $X=W+135$





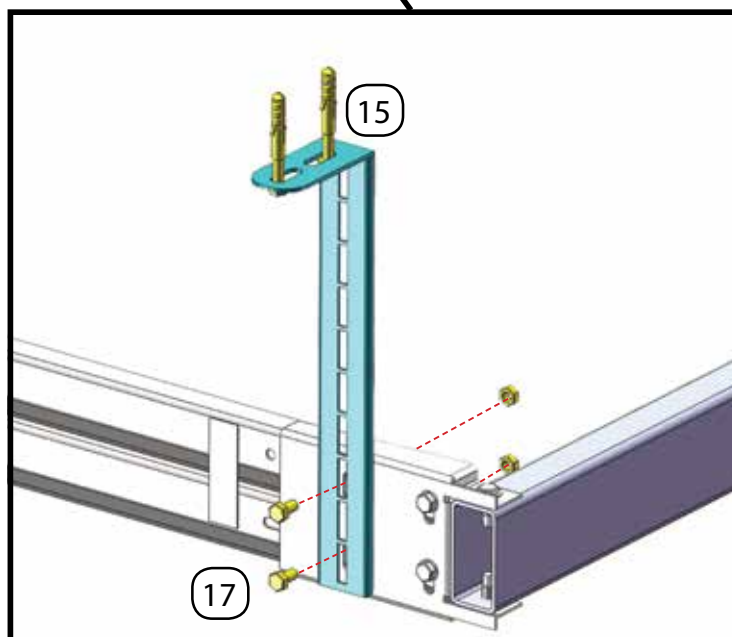
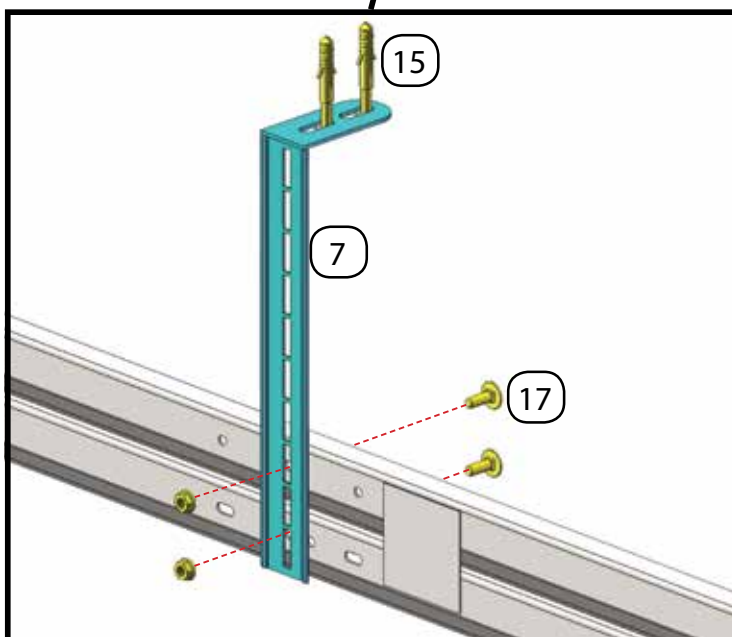
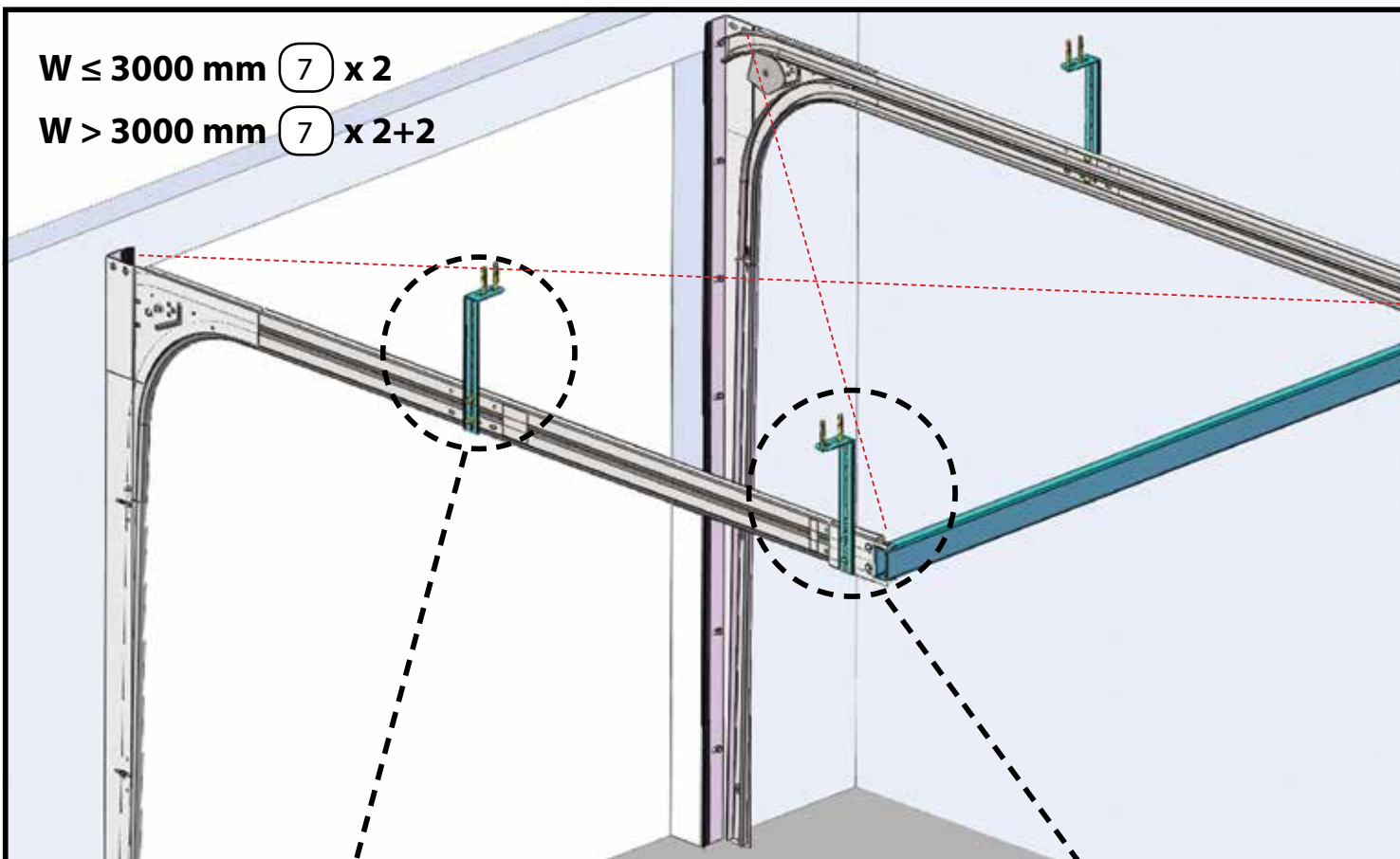


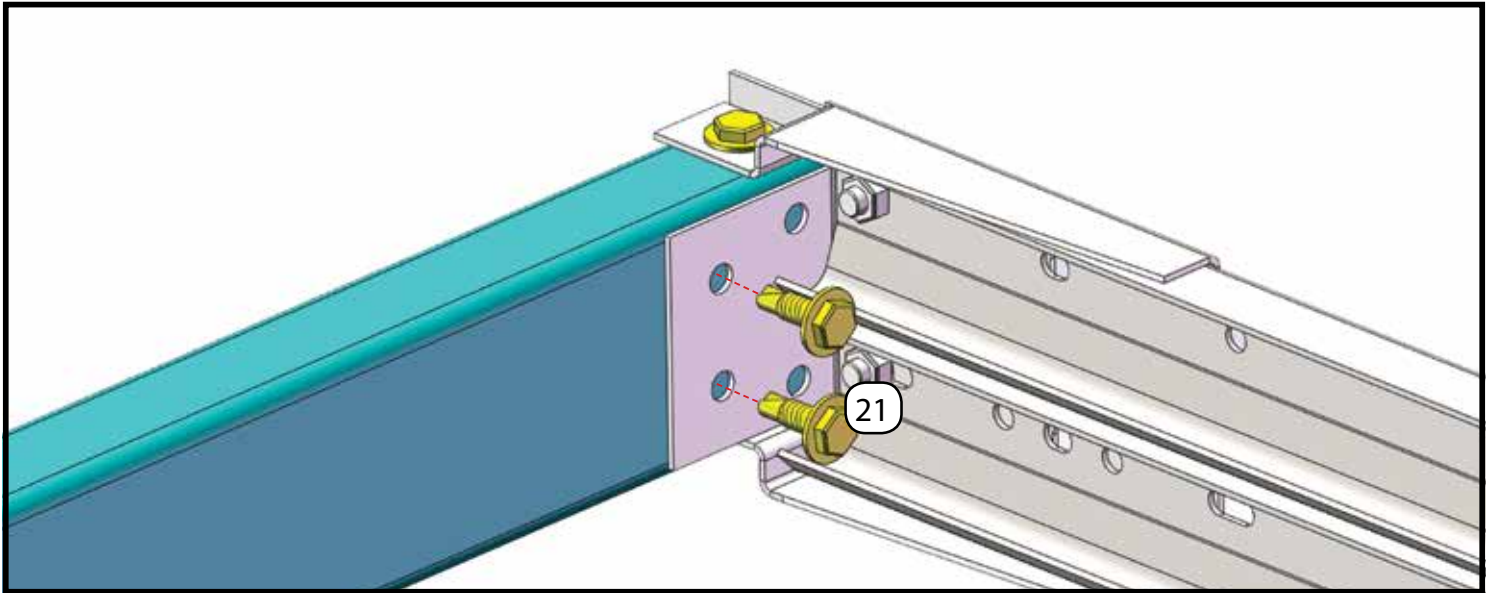
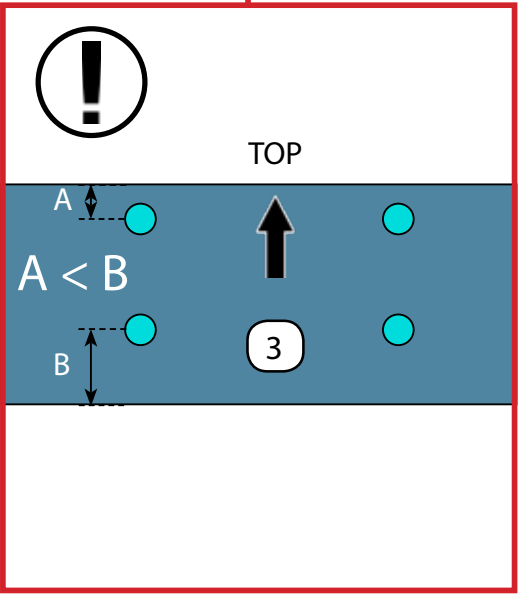
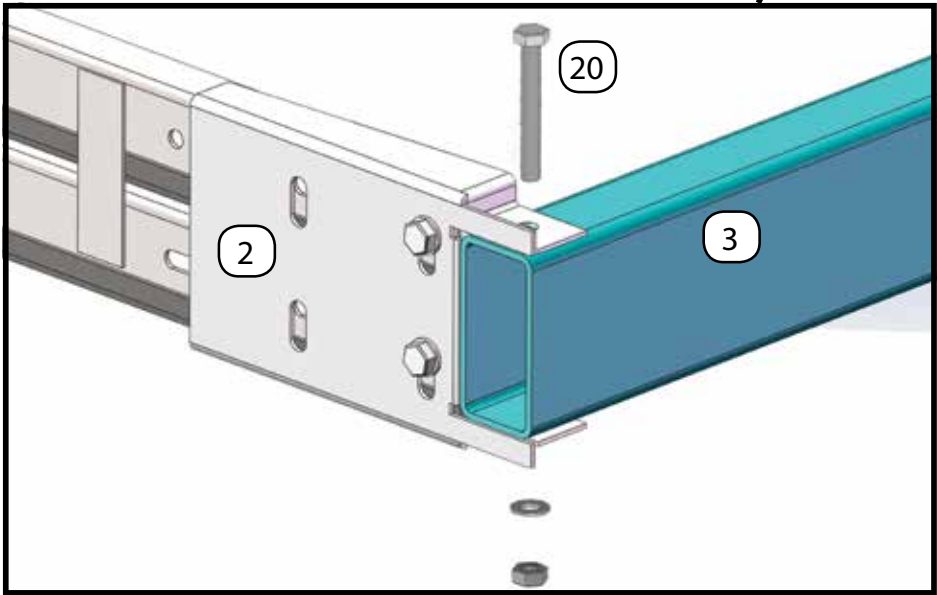
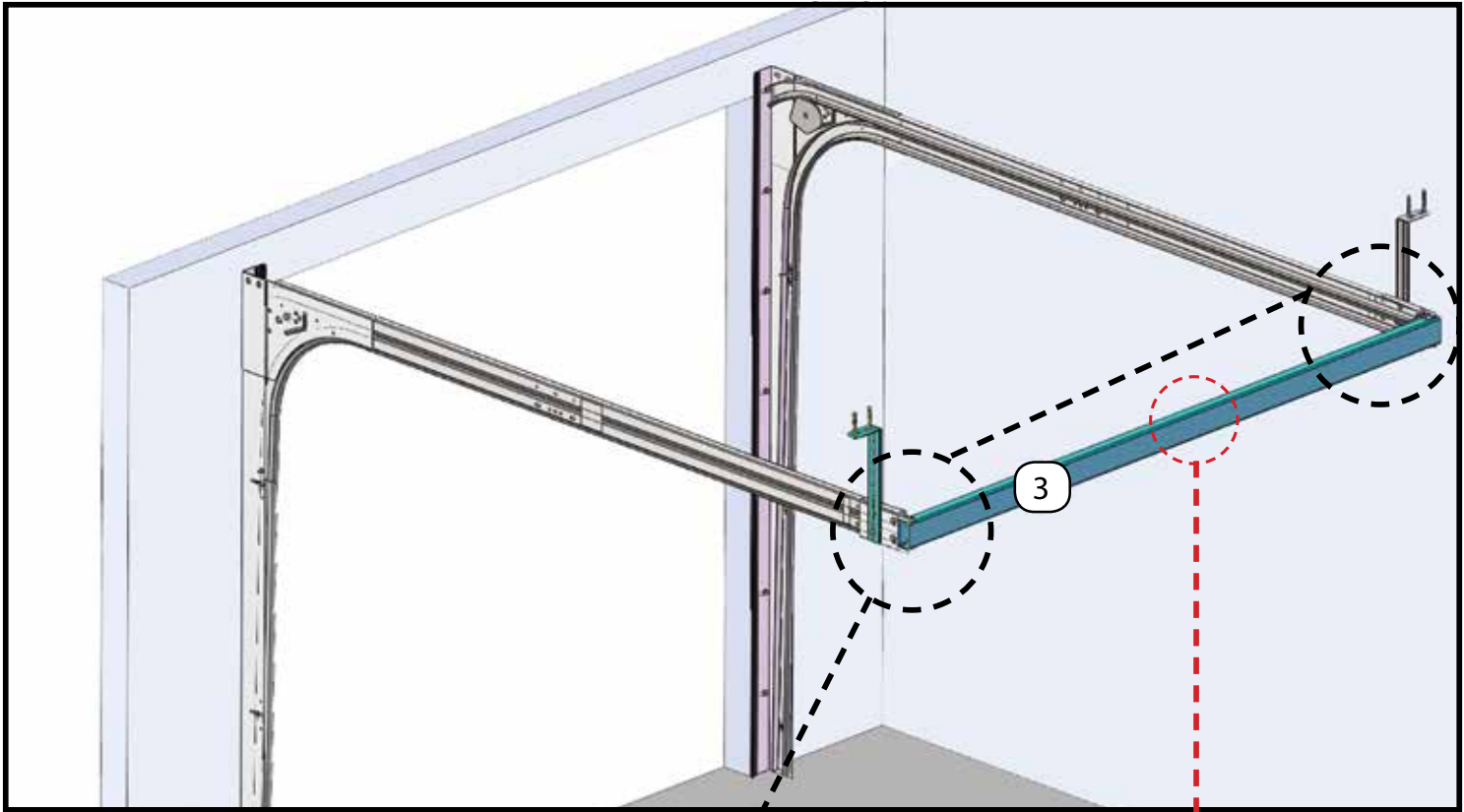
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$W \leq 3000 \text{ mm}$ (7) x 2

$W > 3000 \text{ mm}$ (7) x 2+2





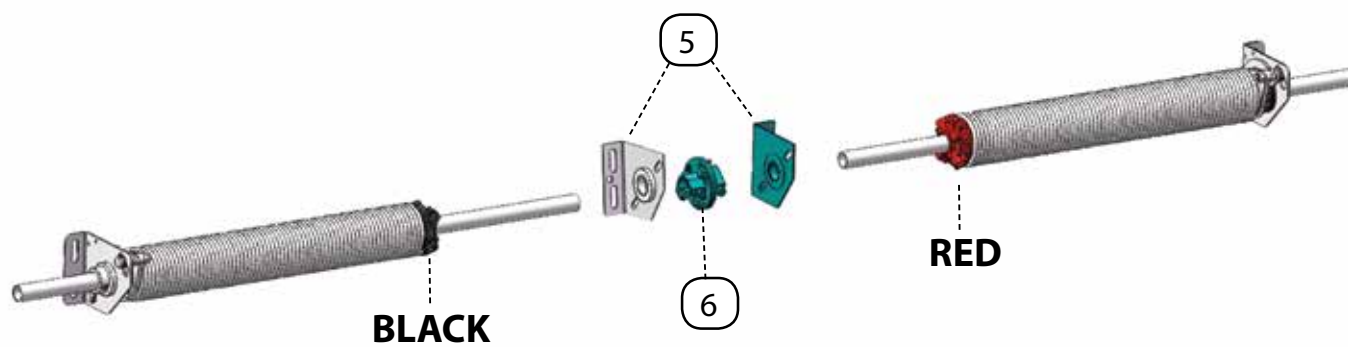
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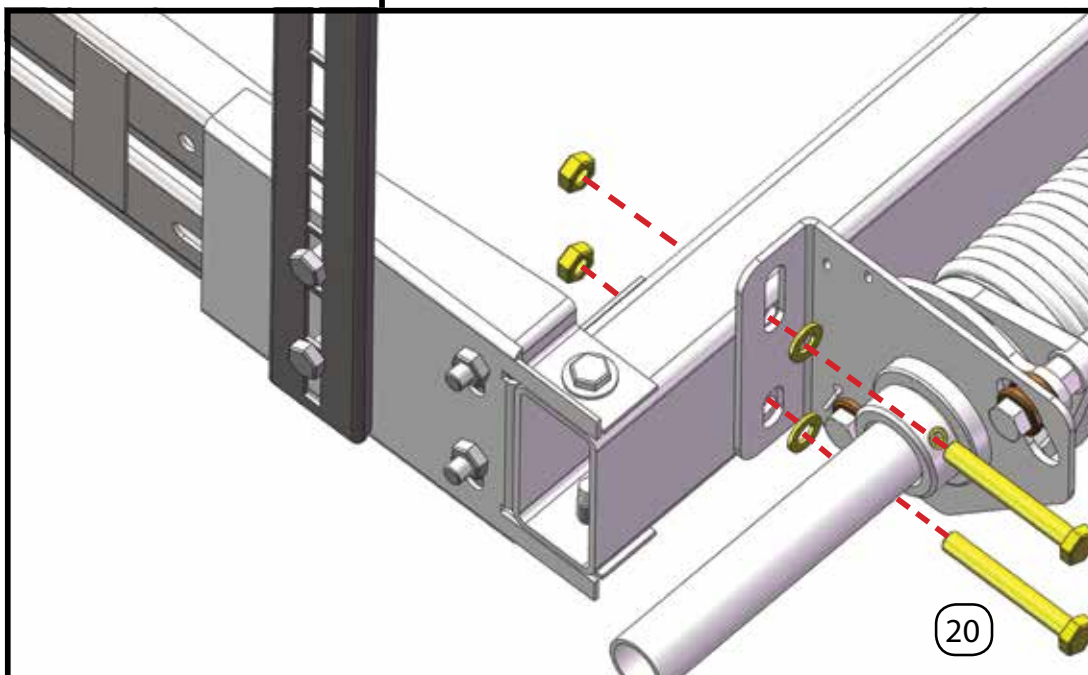
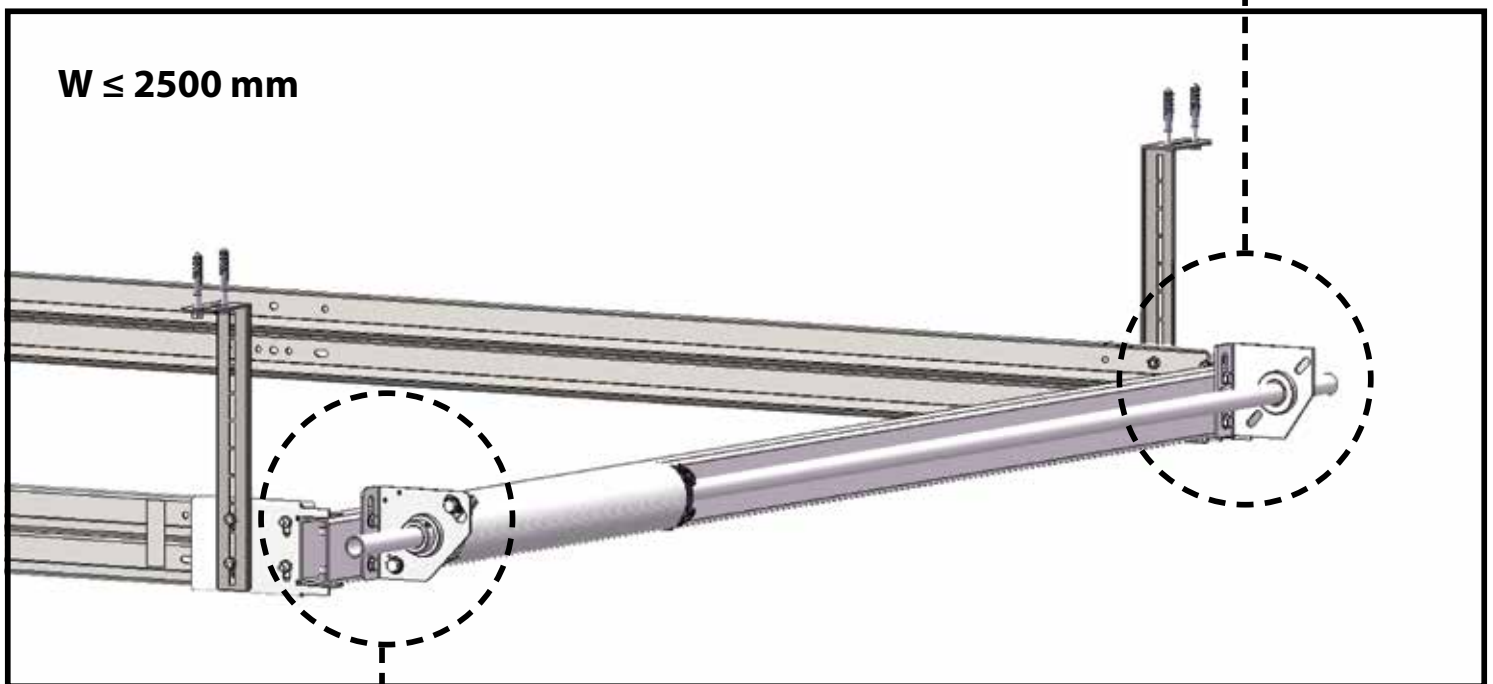
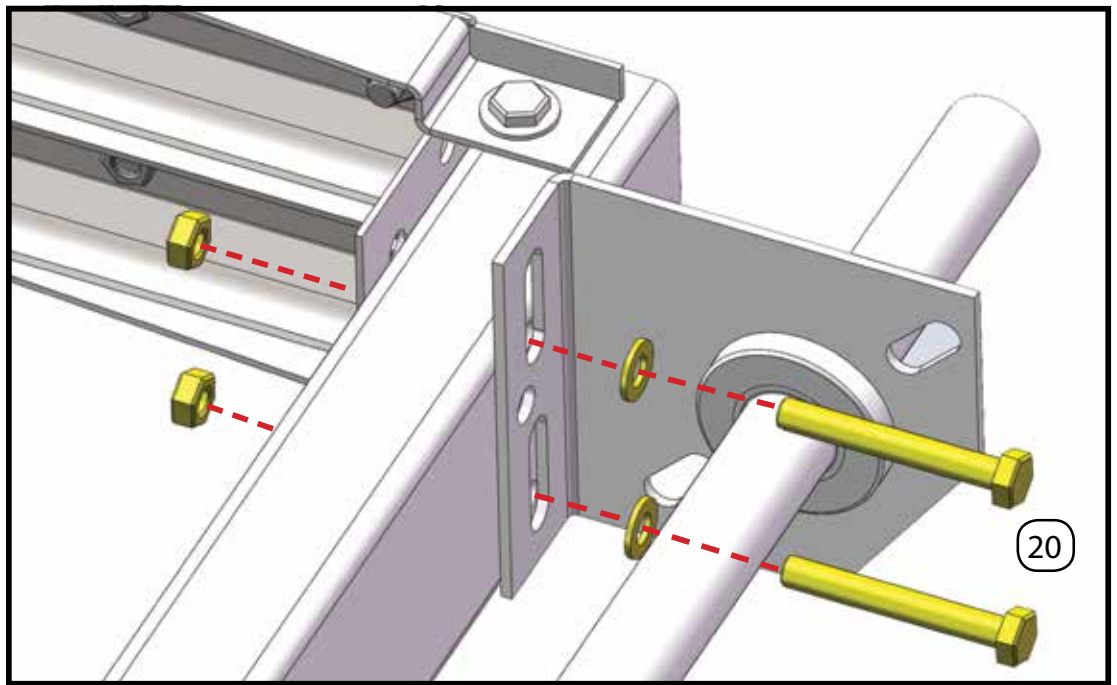


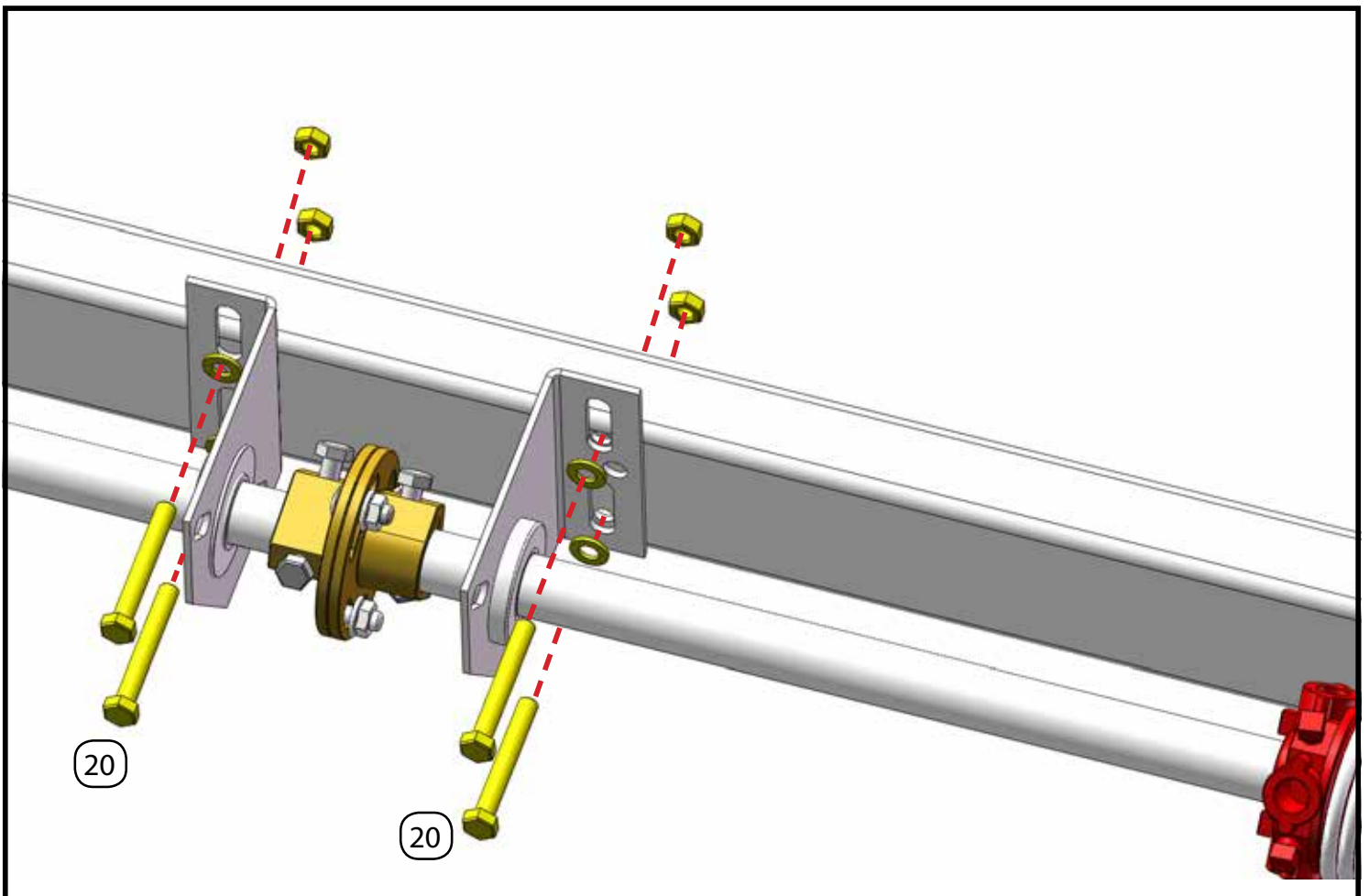
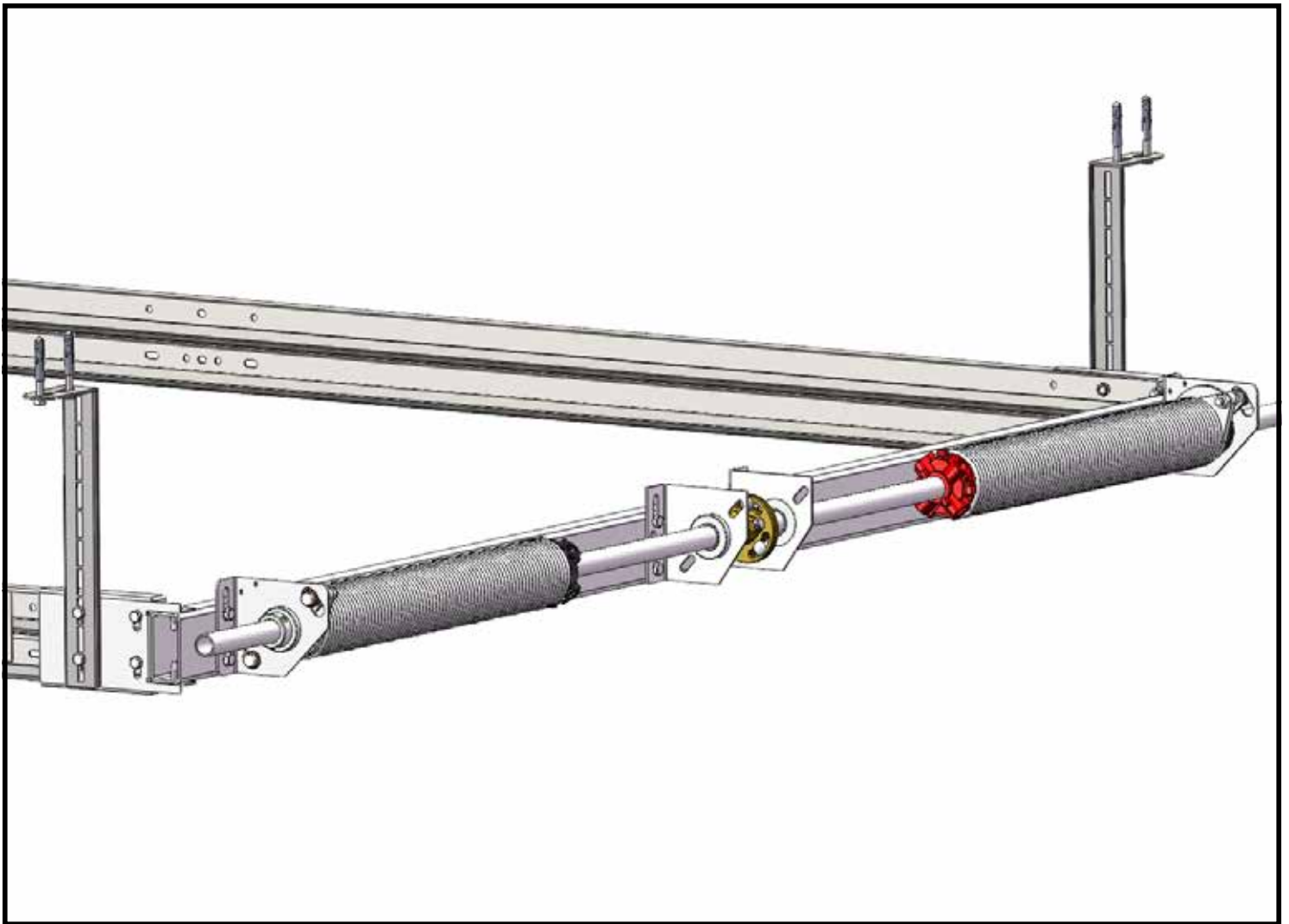
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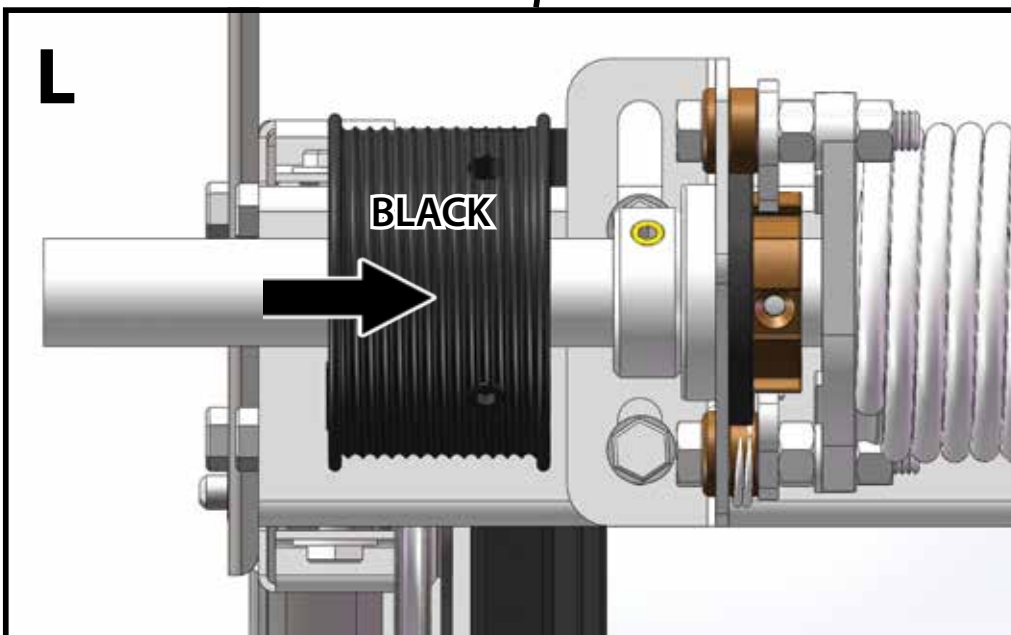
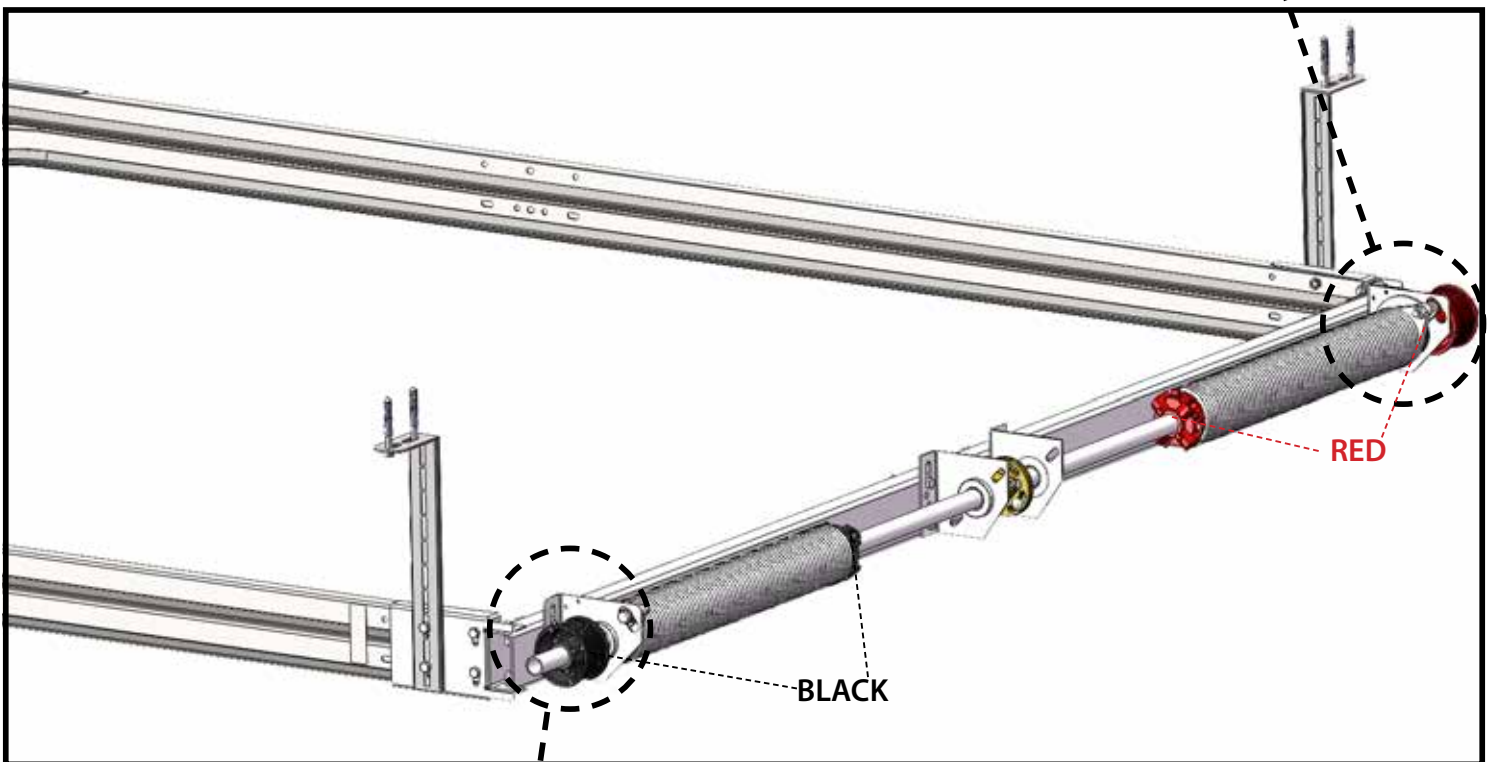
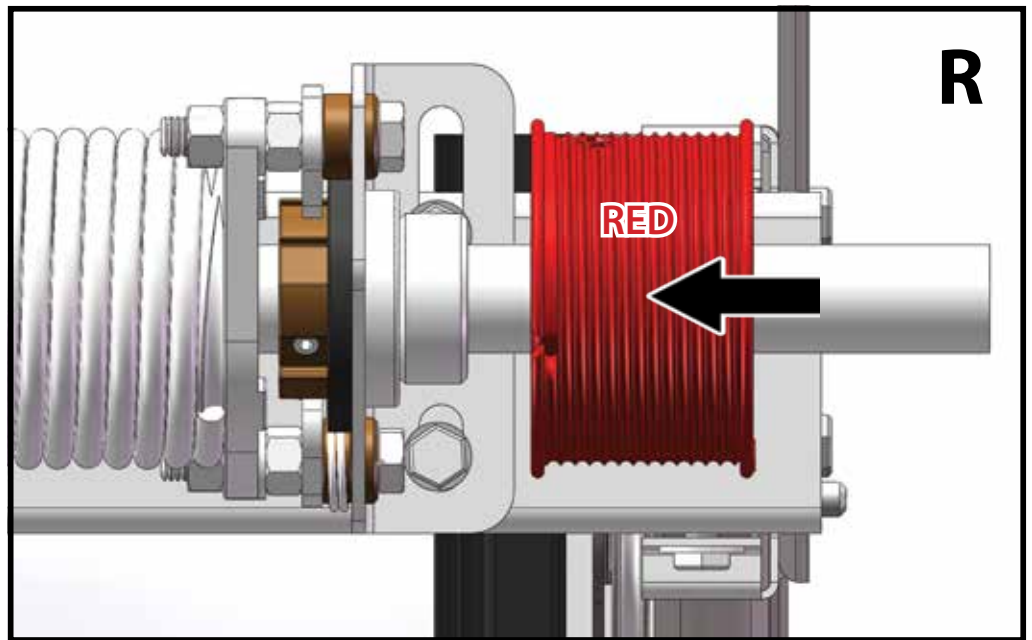


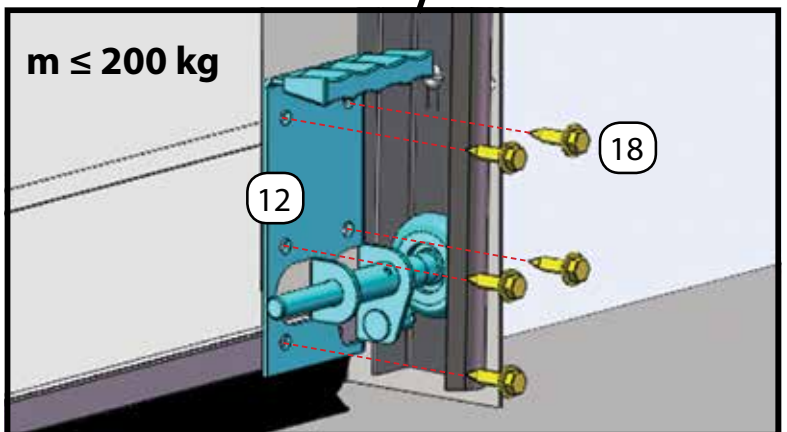
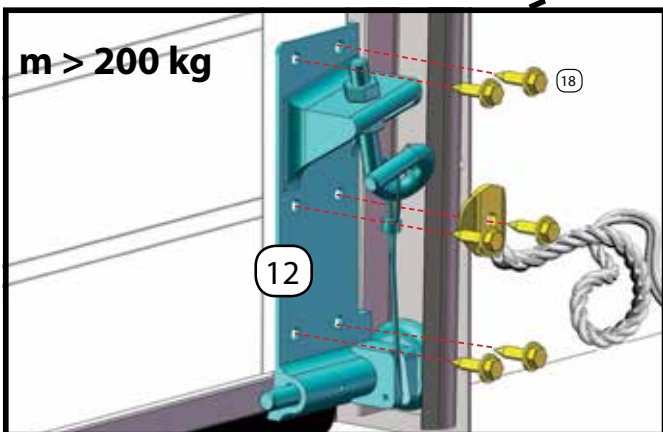
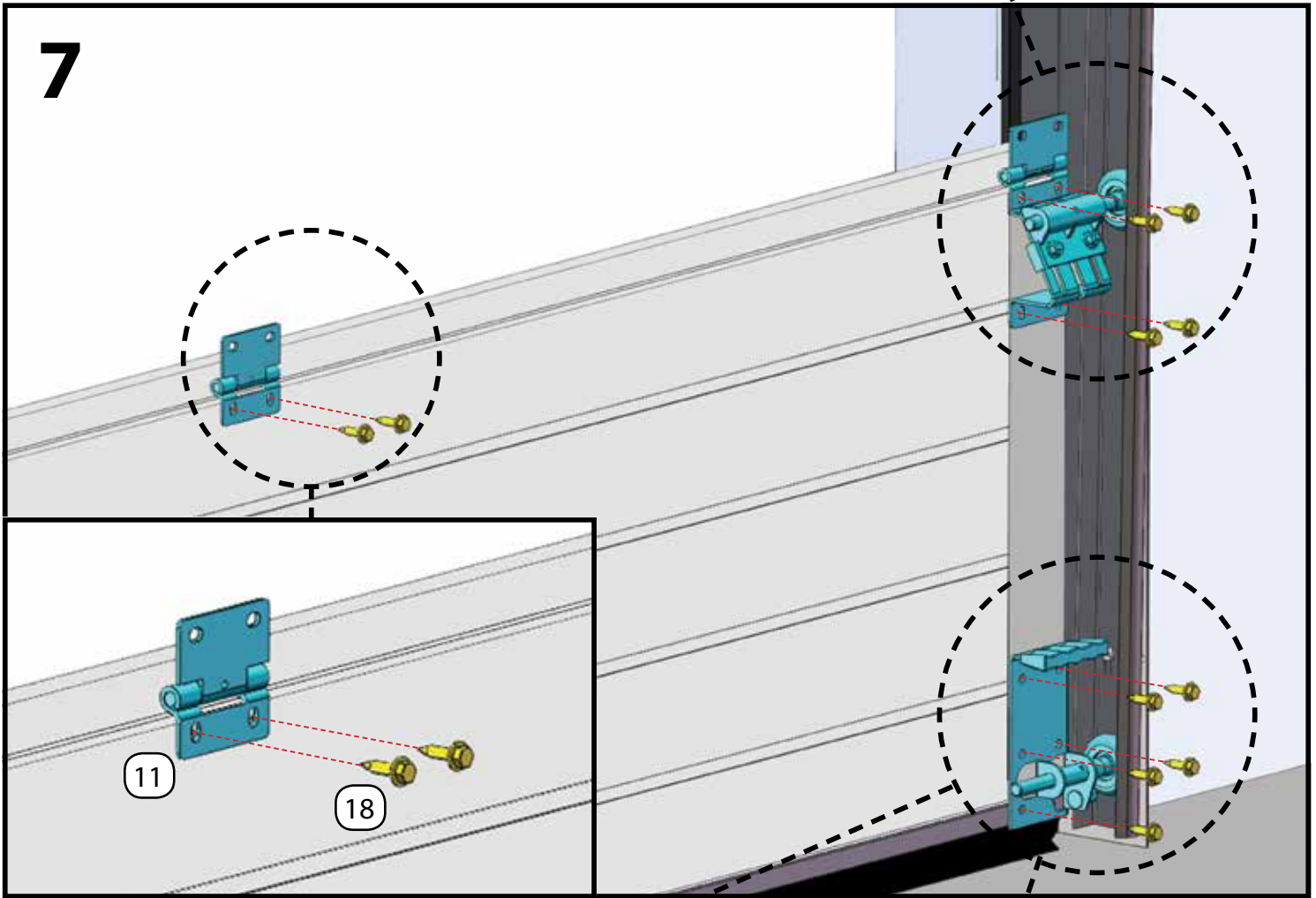
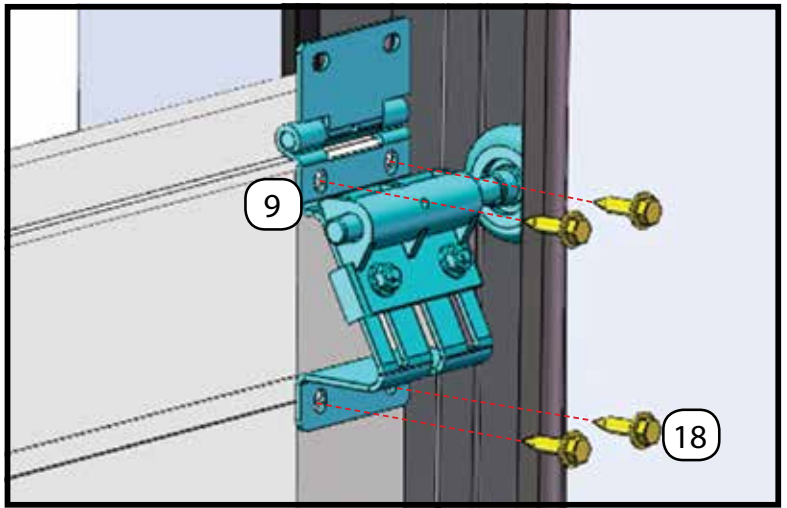
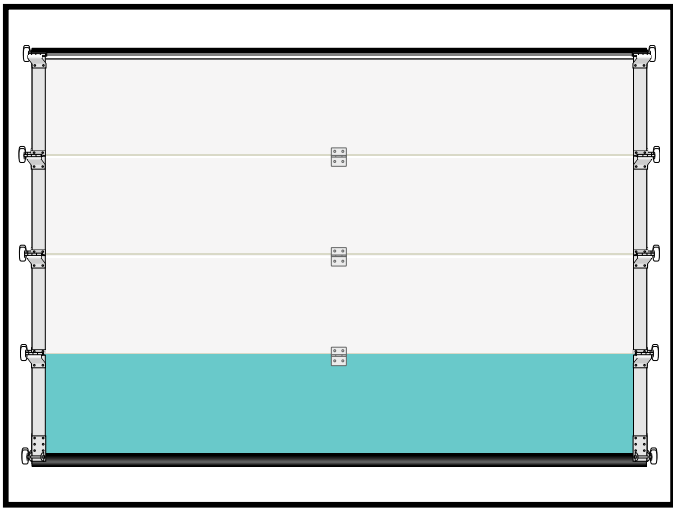
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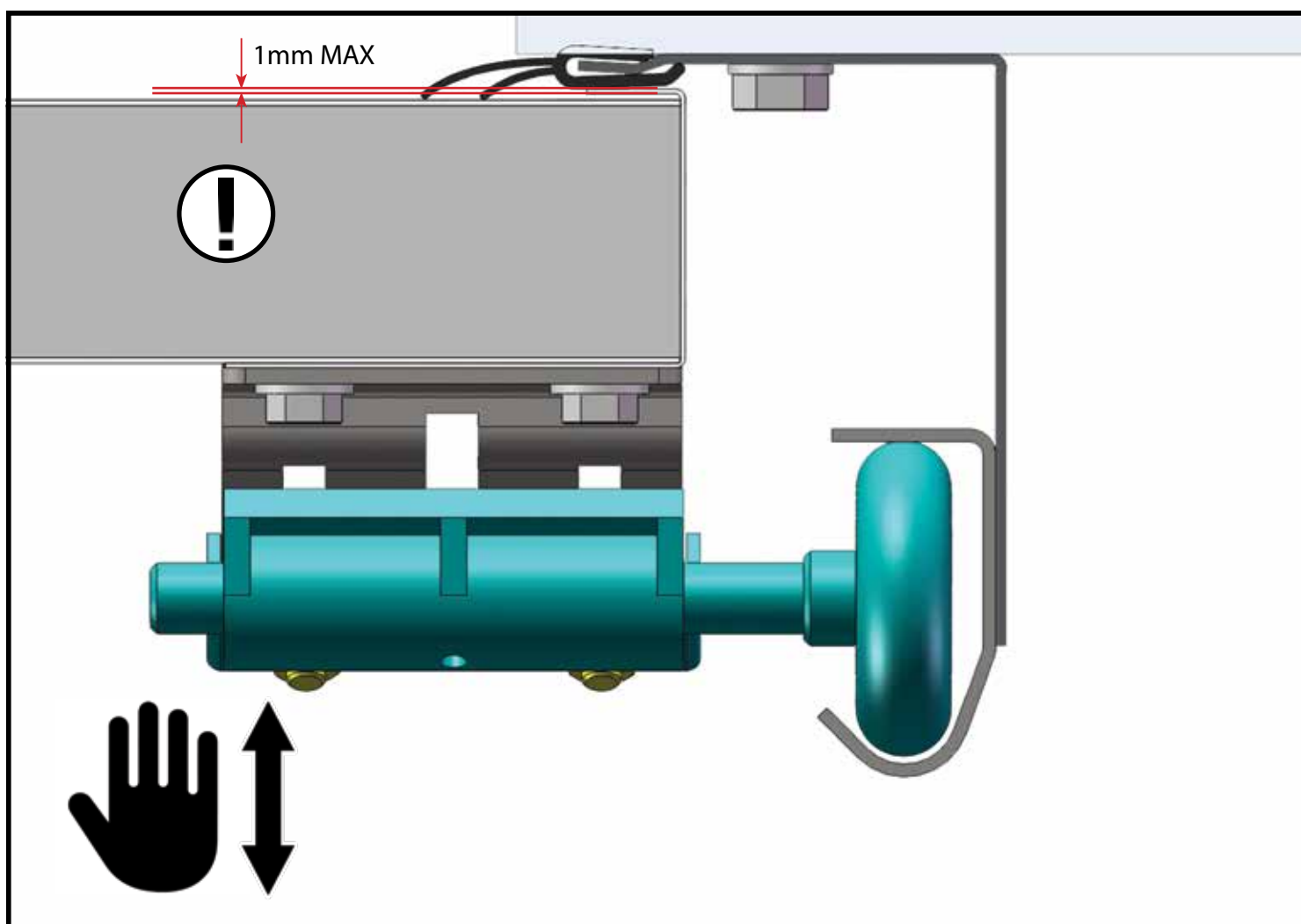
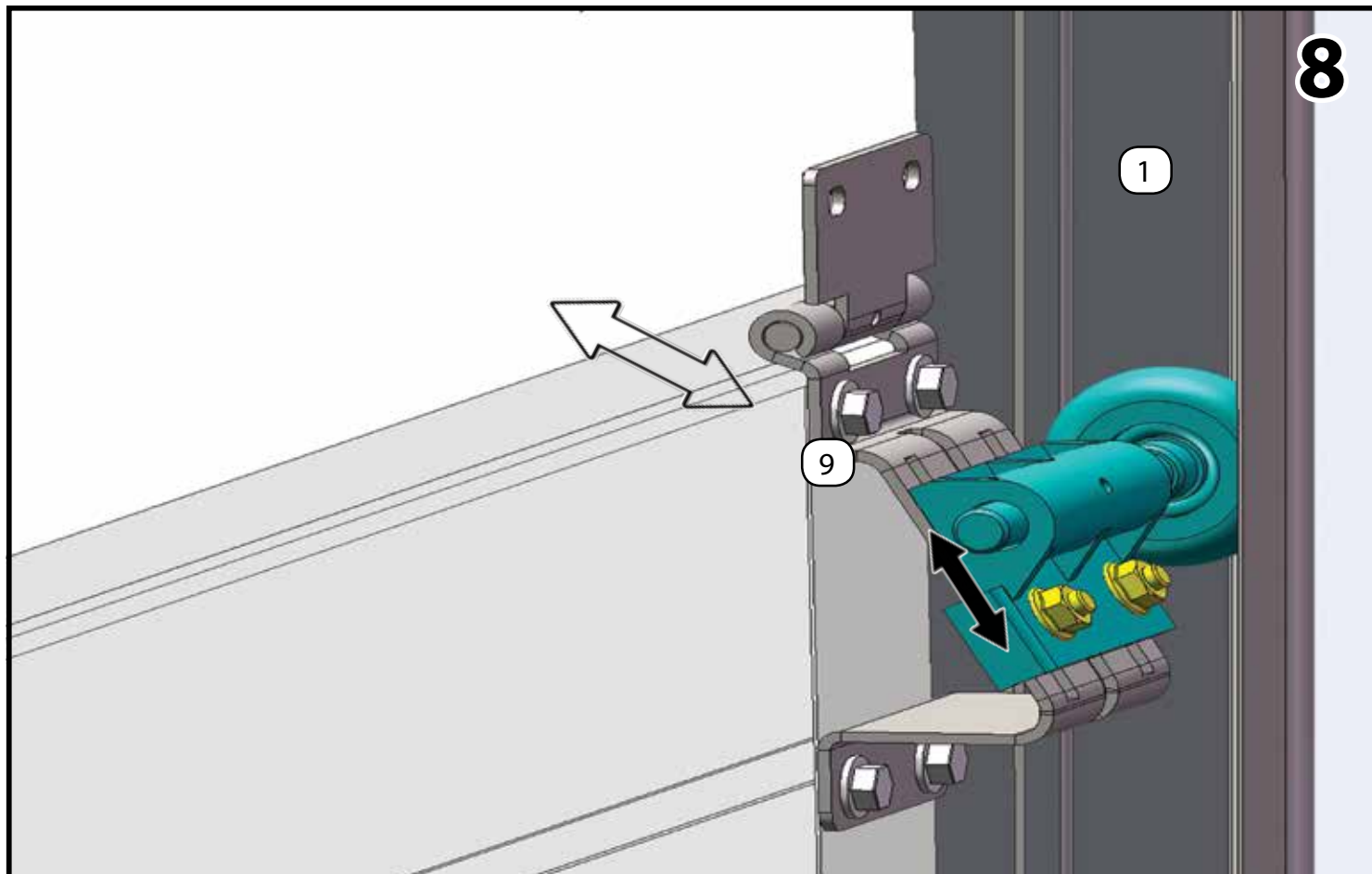


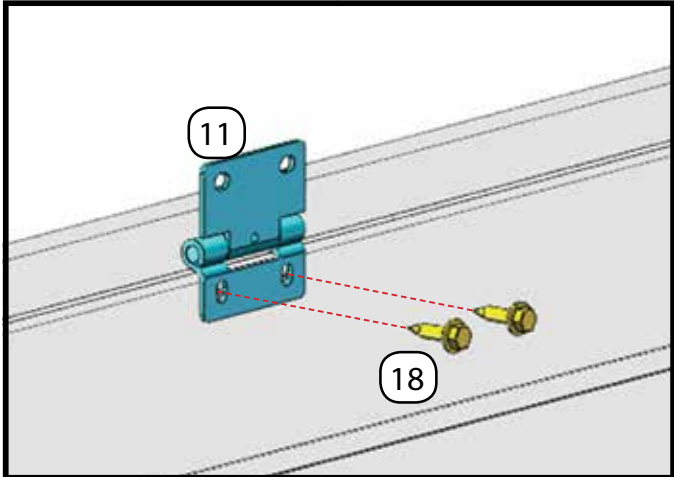
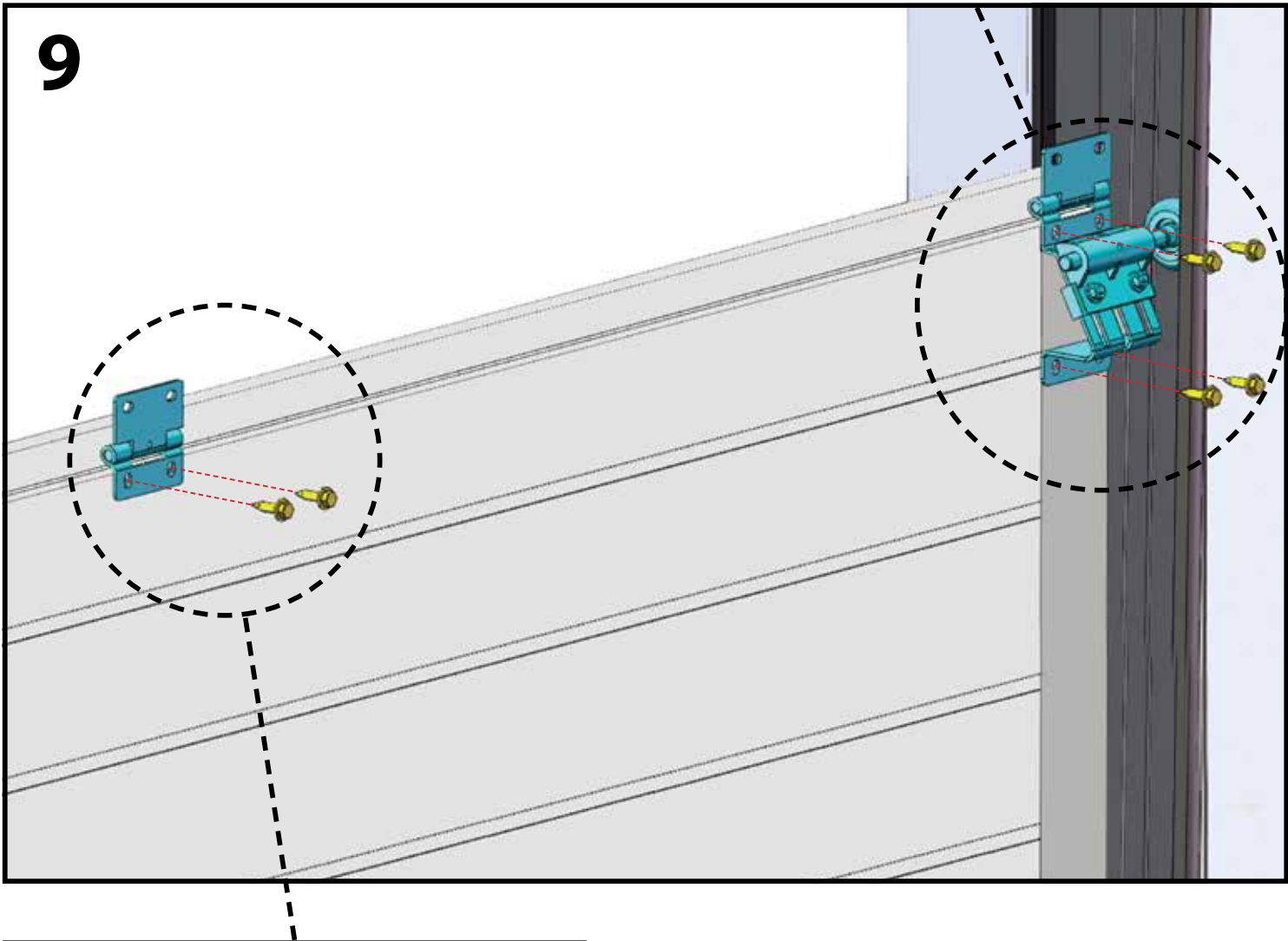
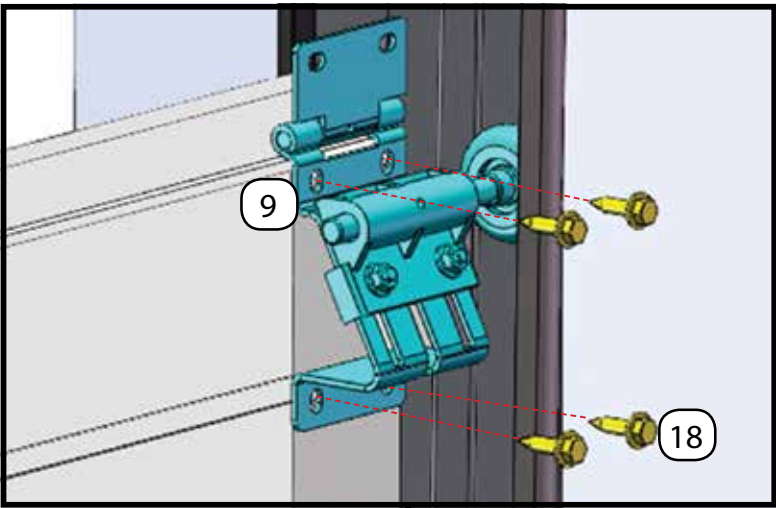
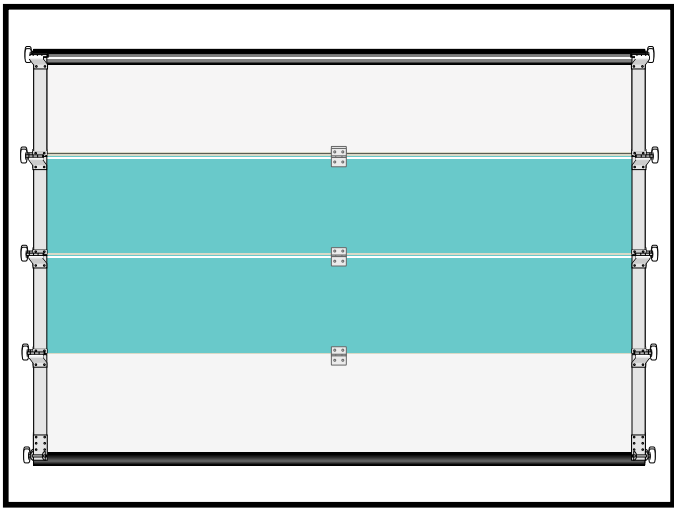


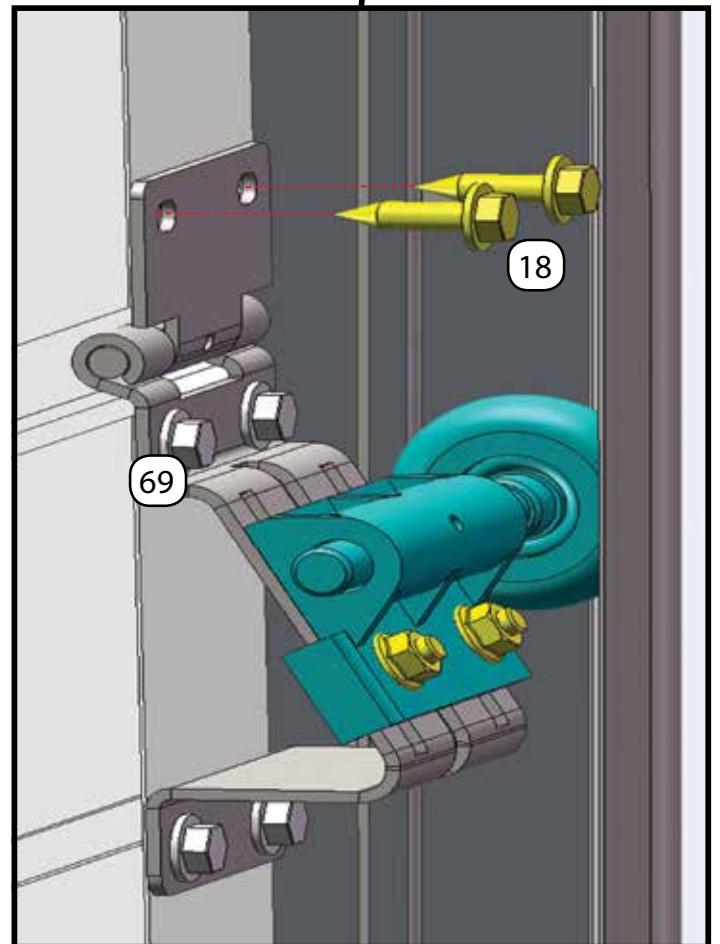
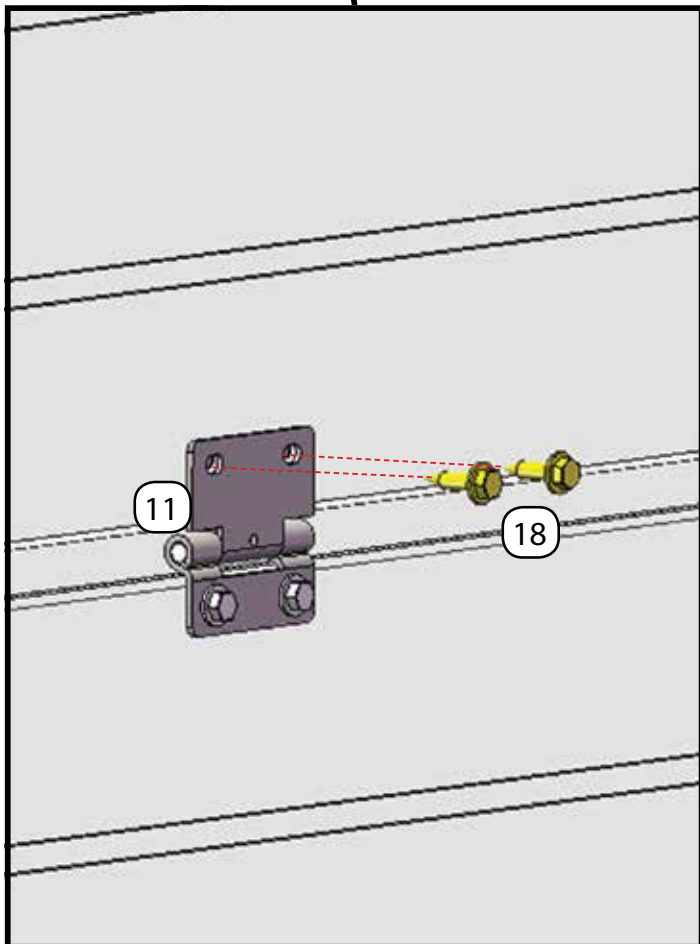
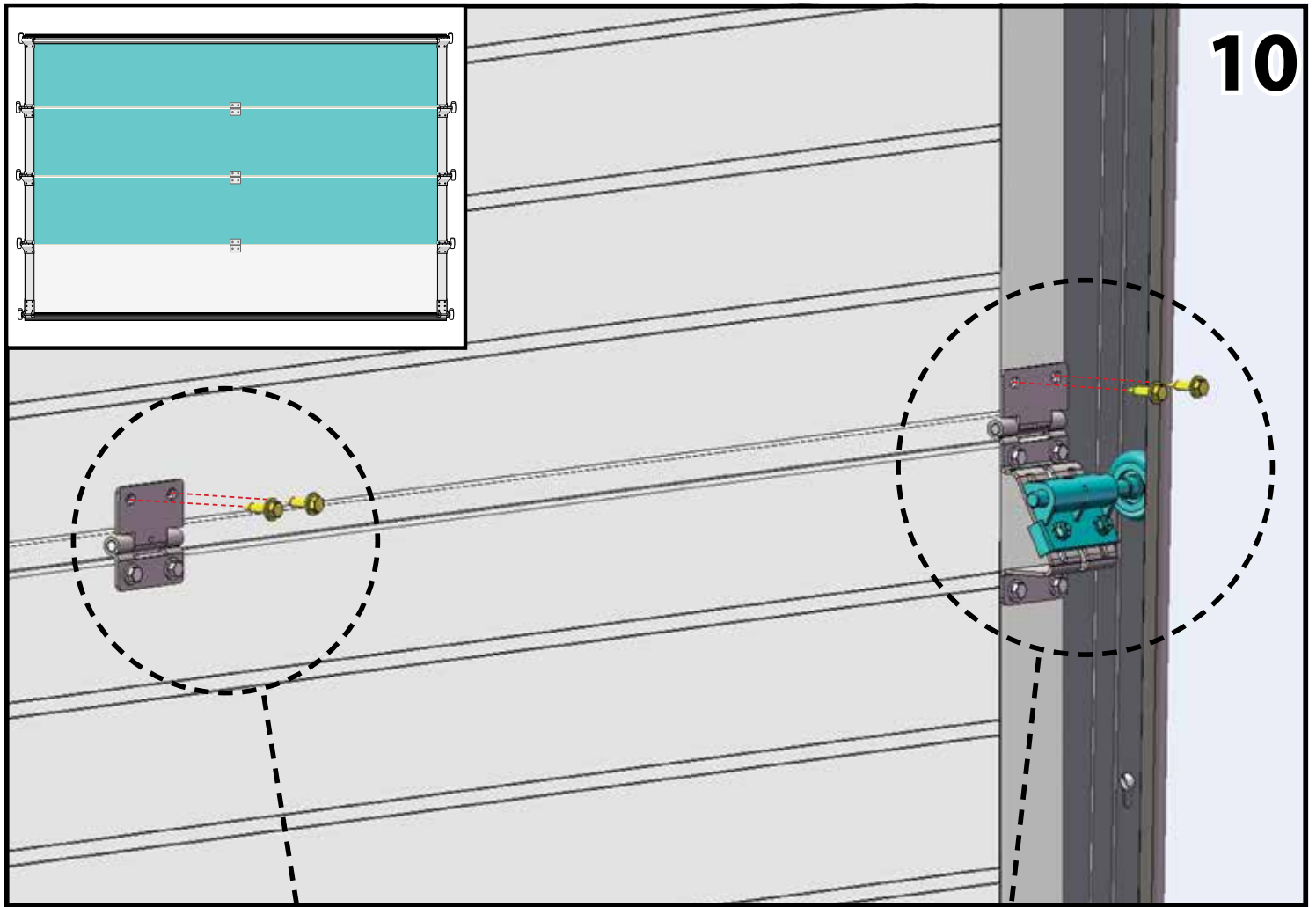


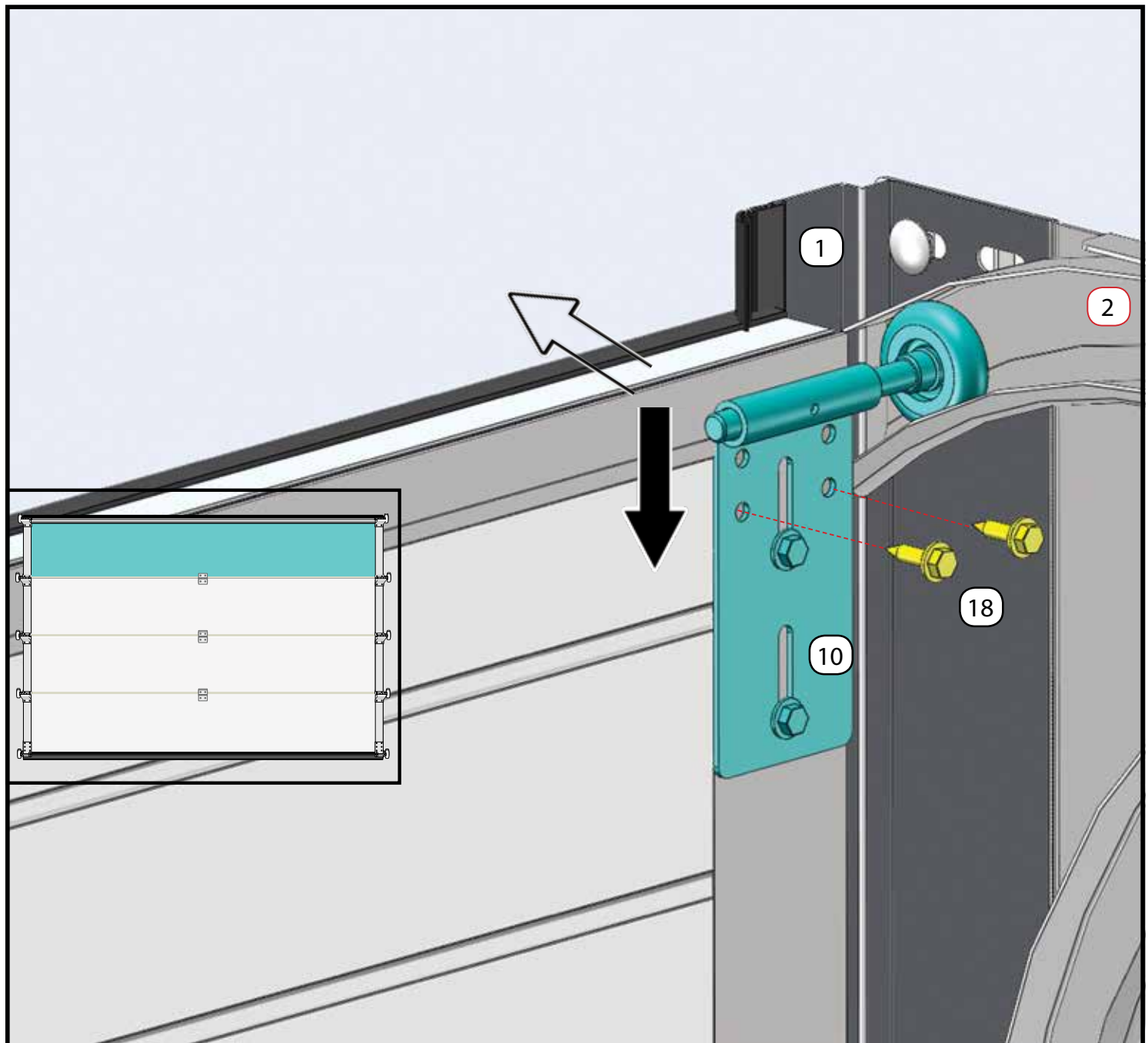






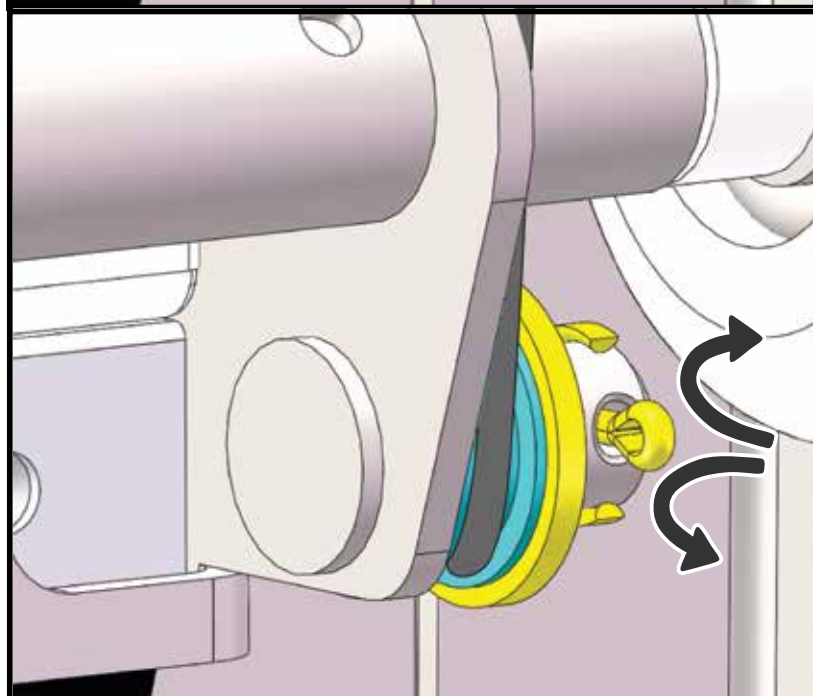
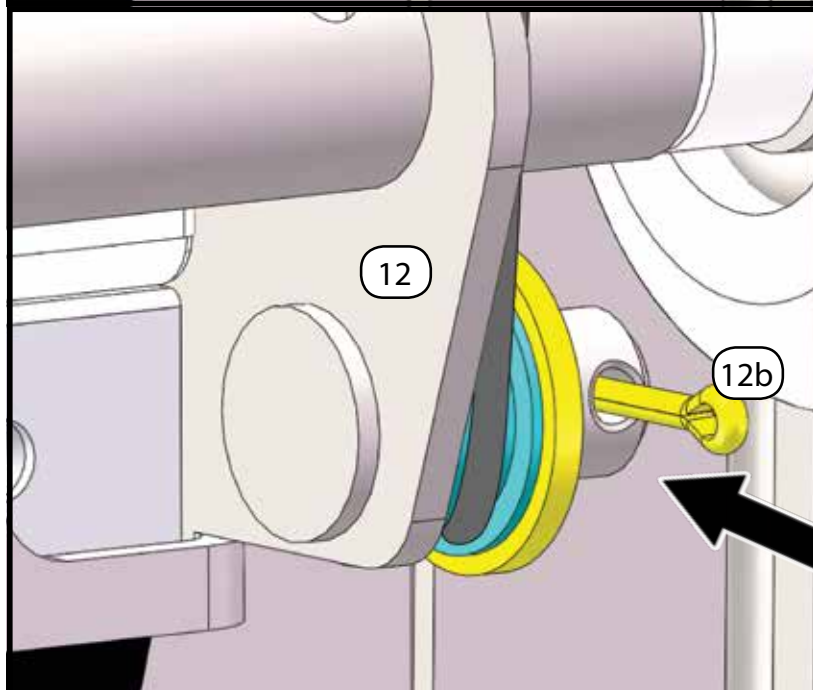
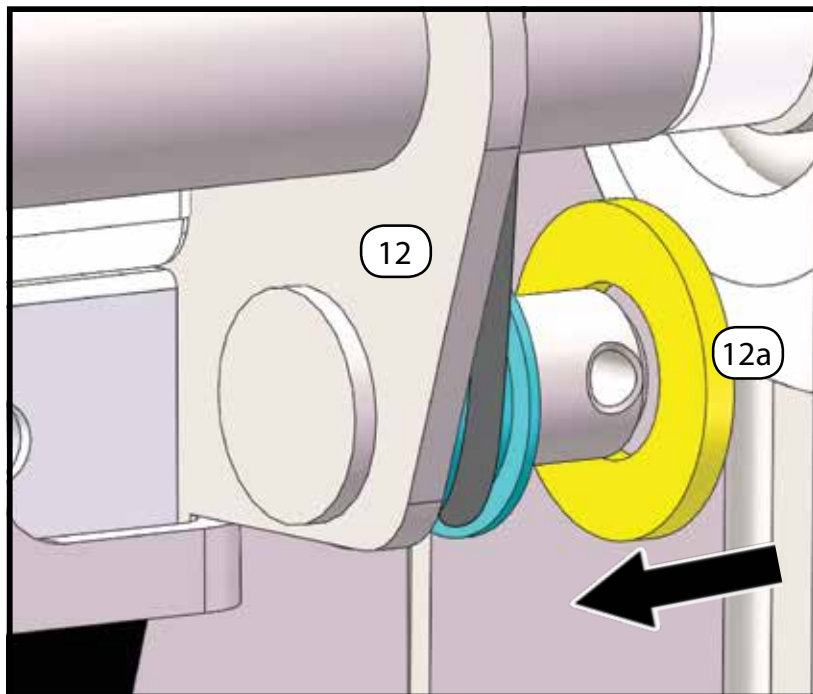






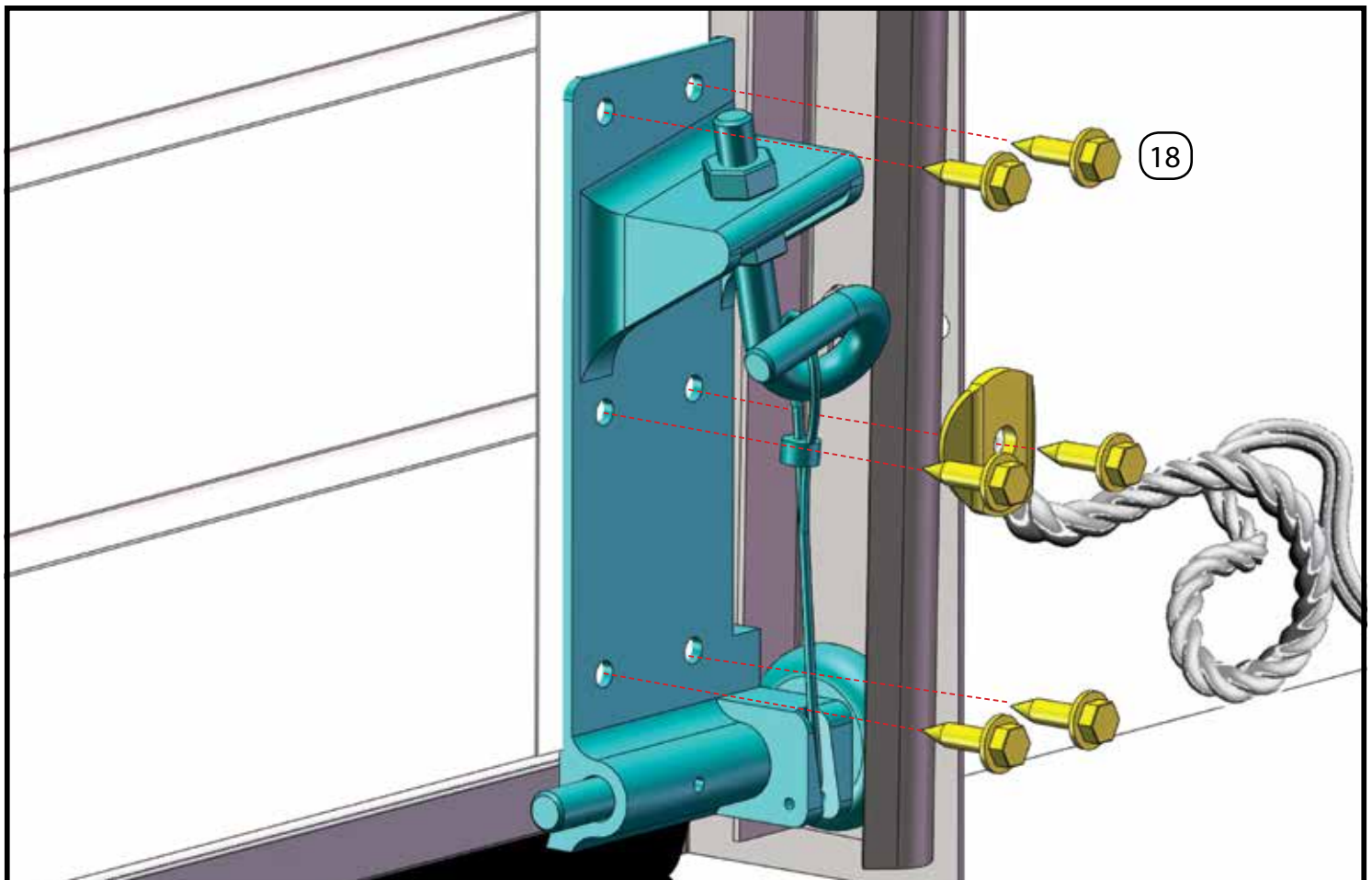
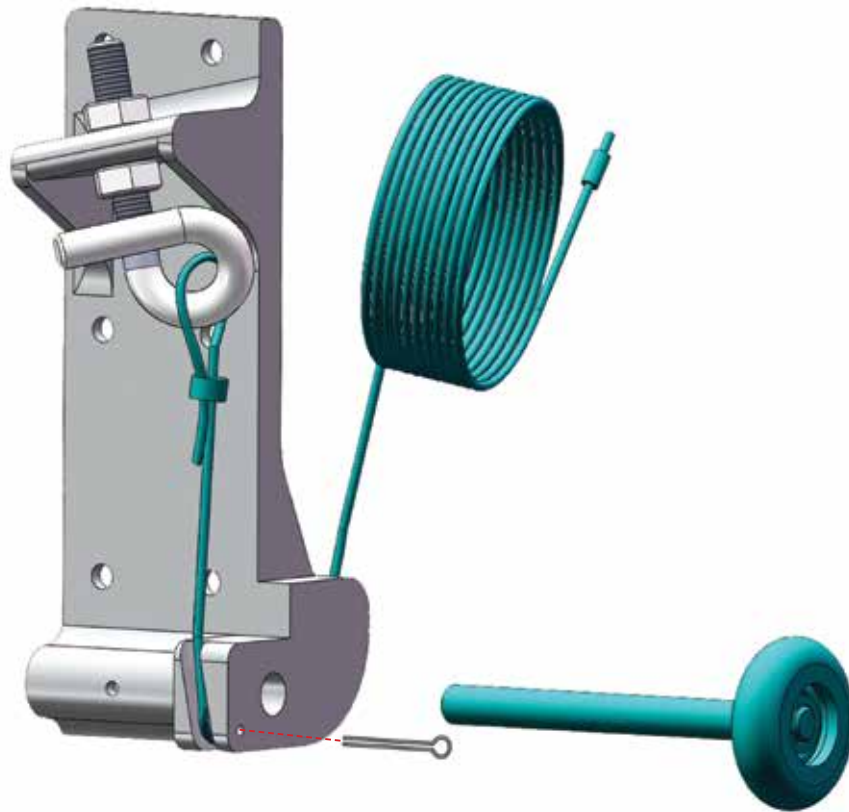
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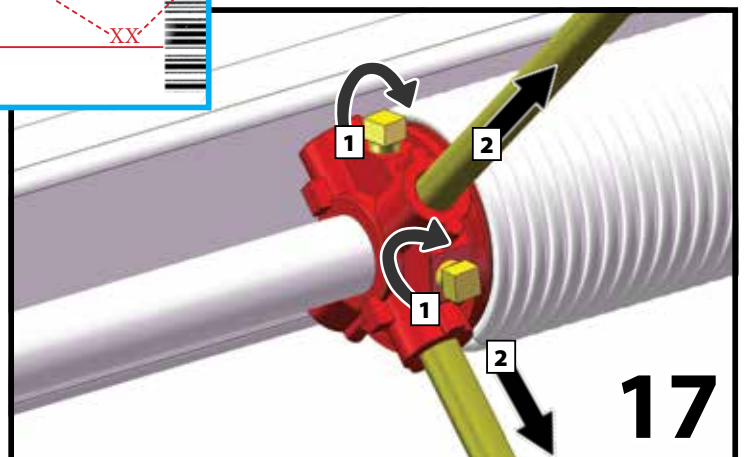
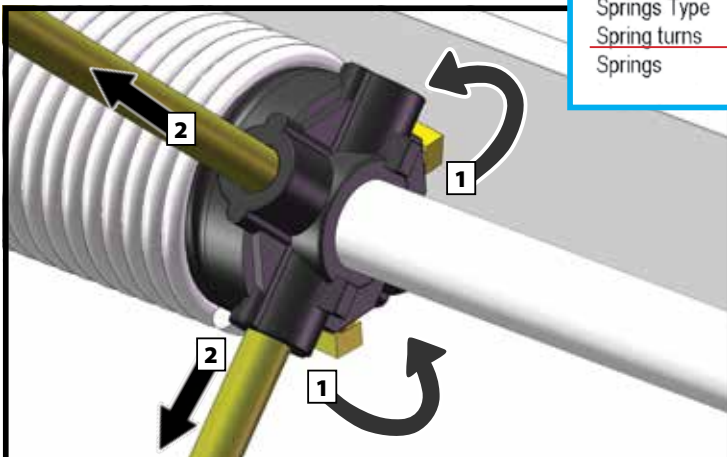
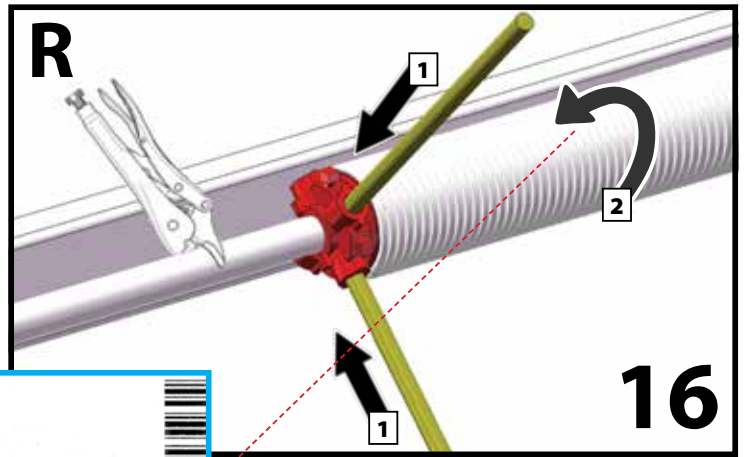
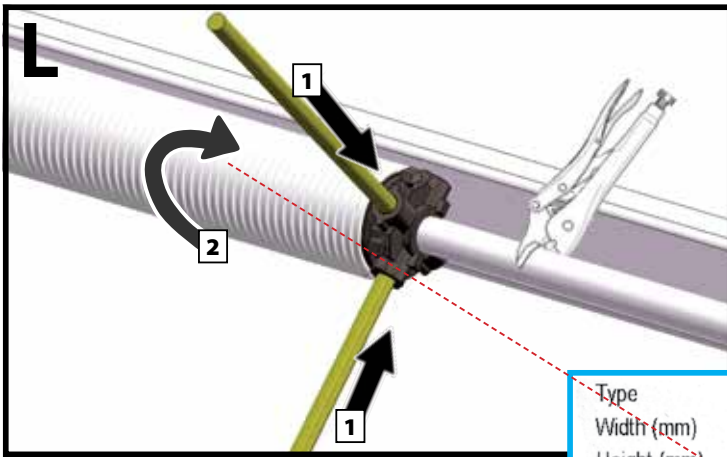
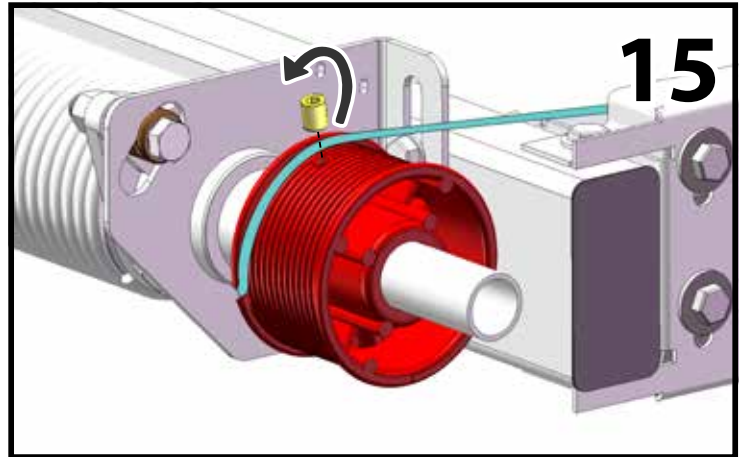
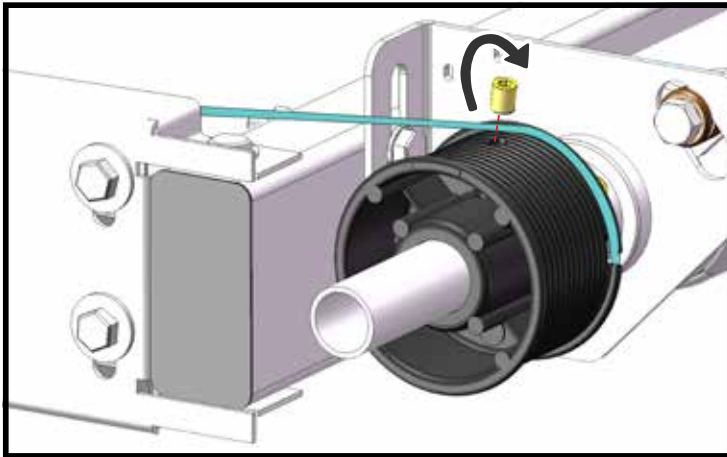
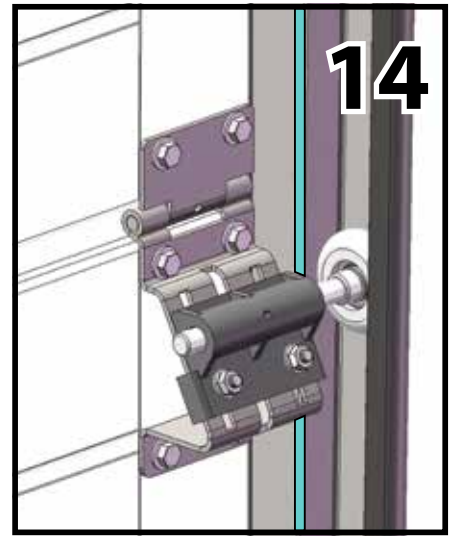
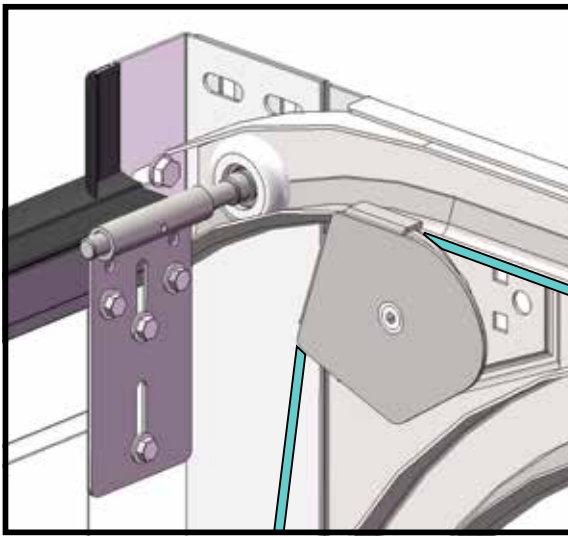
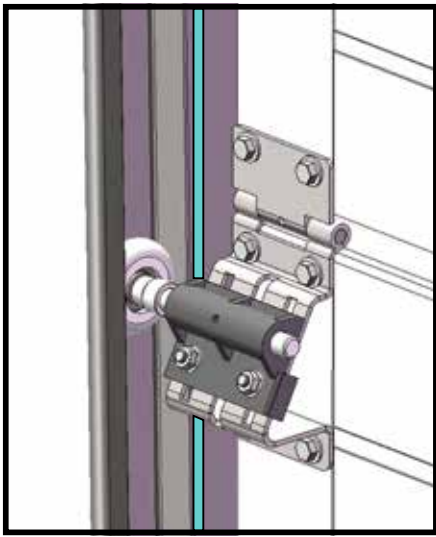
$m \leq 200 \text{ kg}$



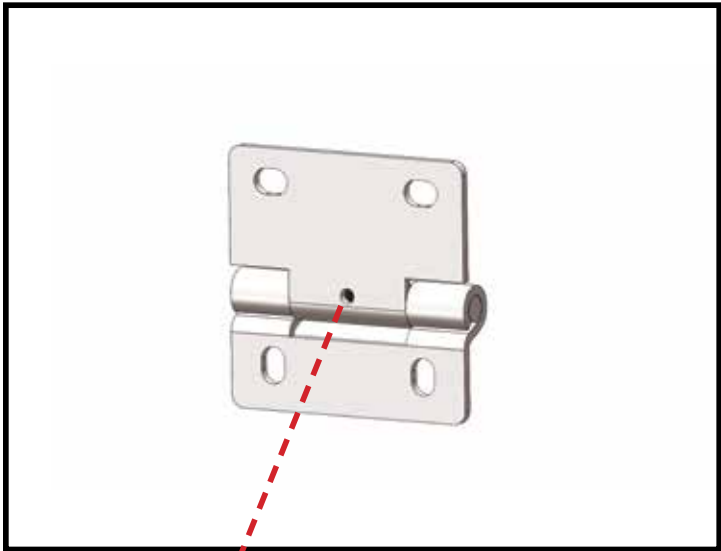
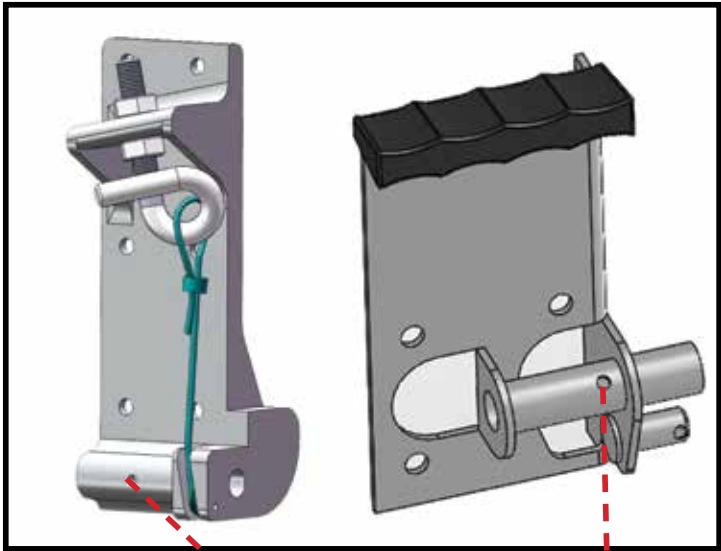
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m > 200 kg

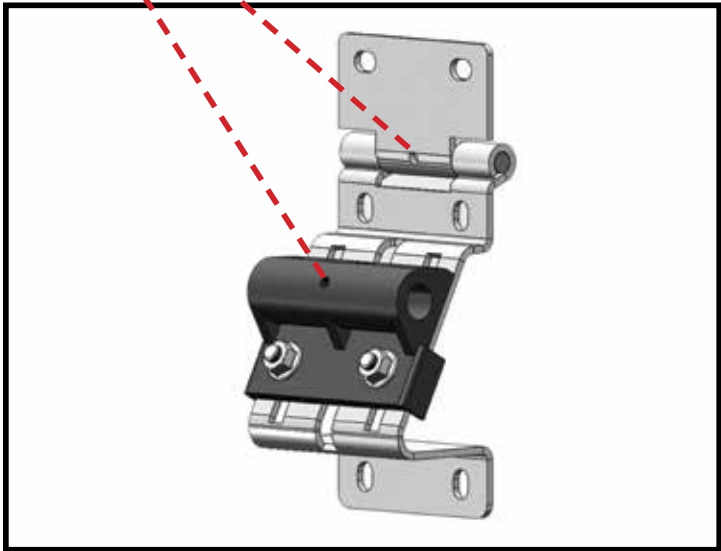
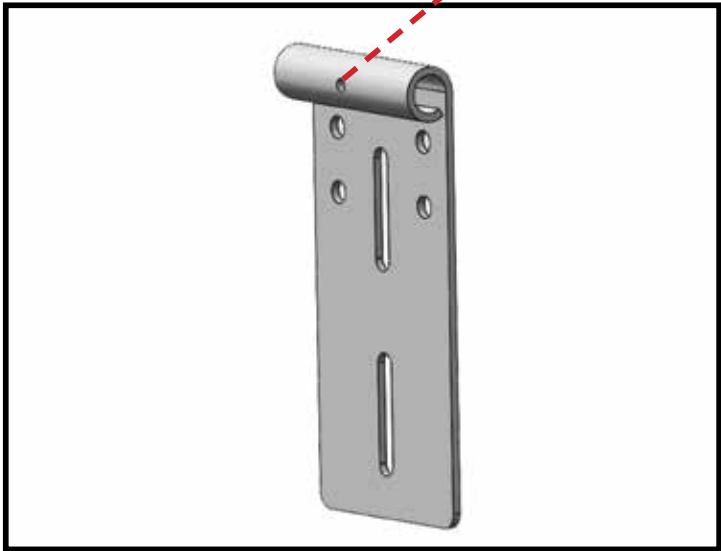




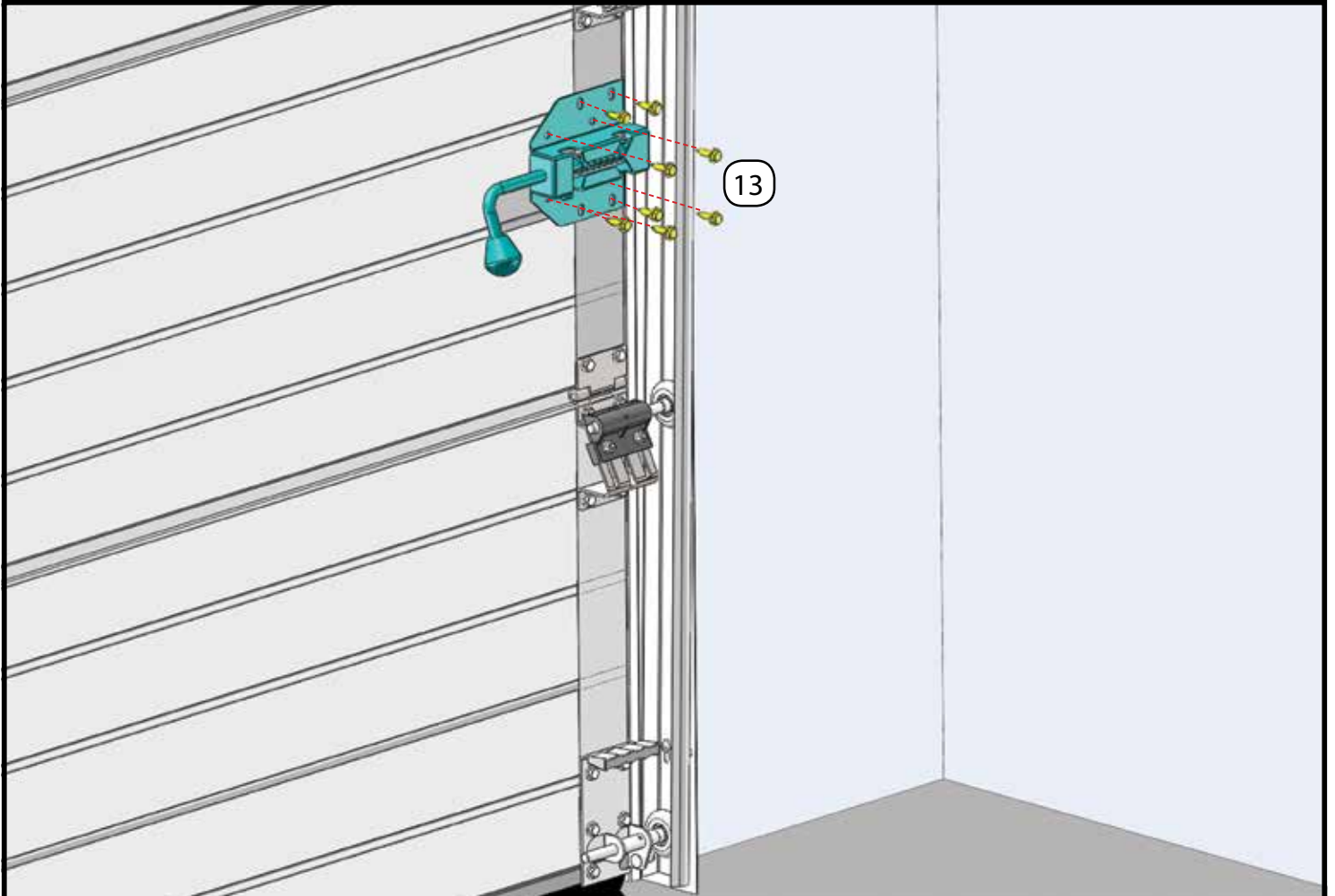
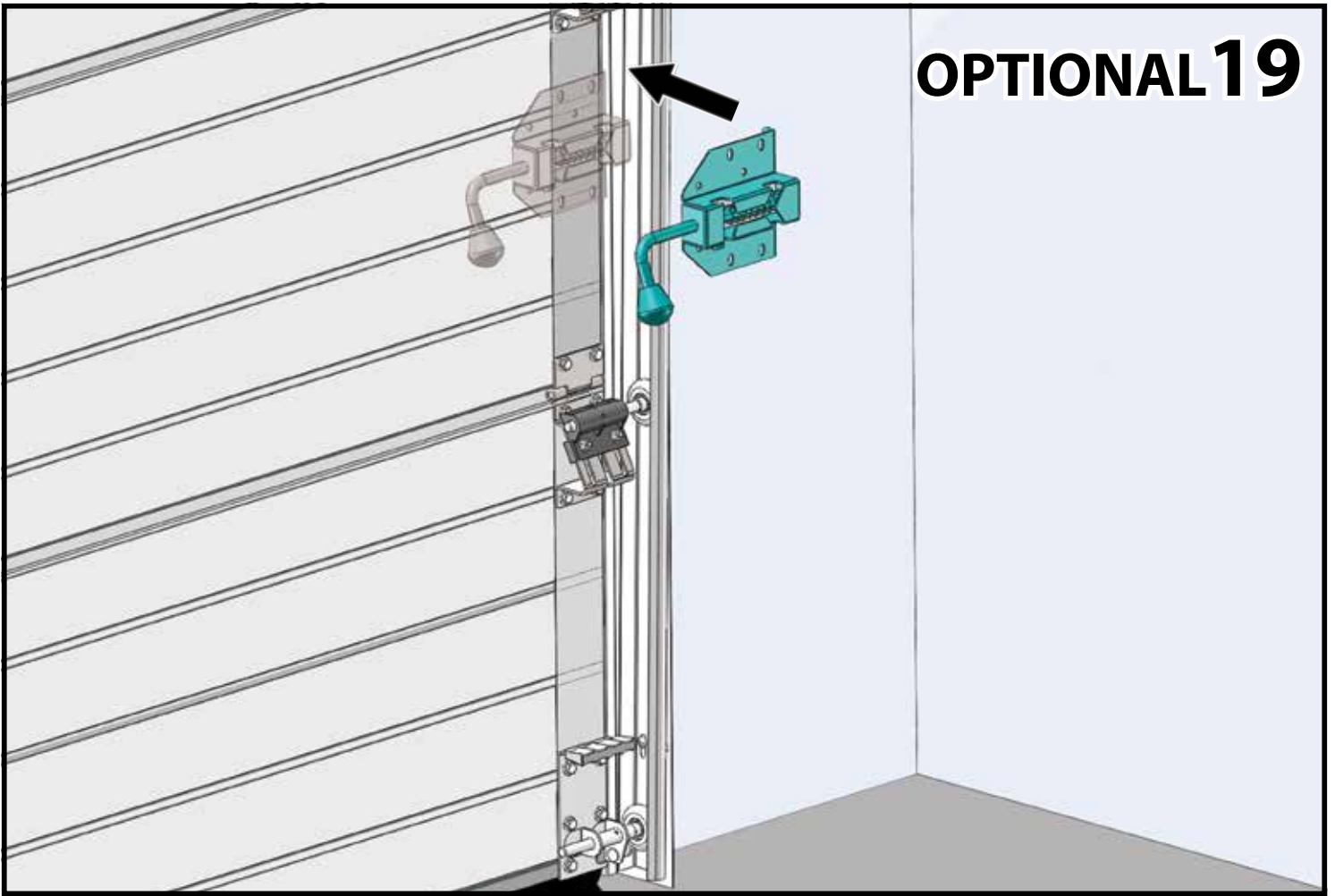
Type	
Width (mm)	
Height (mm)	
Weight (kg)	
Springs Type	
Spring turns	XX
Springs	



18



OPTIONAL 19



20

