

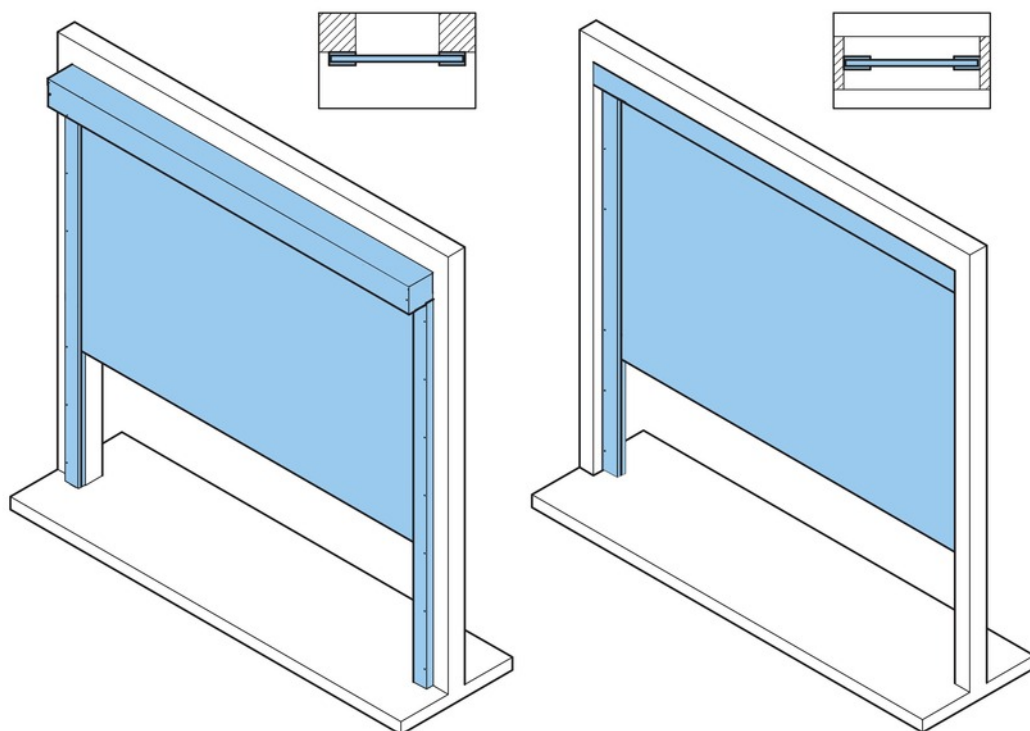


**FIRESCREEN FEEL SAFE**

# INSTALLATION MANUAL

Firescreen® Radiation  
R1 + R2 + R3 + R4  
EW30 + EW60 + EW90 + EW120

Gravity Fail Safe (GFS)  
Electric Fail Safe (EFS)  
None Fail Safe (NFS)



**SIMON**  
we create fire safety

## 1. Preface

Translation of original installation manual

Overview required manual:

Activity:	By:	User manual	Installation manual	Control box manual
Installation & start of use	Installer	√	√	√
Use	User	√		
Maintenance	Service man	√	√	√

The purpose of this manual is to provide a guide for proper installation and start of operation by trained specialists. Please read this manual, the user manual and the additional manual for the control box carefully and follow the step-by-step instructions.

SIMON PROtec Systems GmbH is not responsible for any damage or for personal injury as a result of incorrect usage, improper installation and defective products.

If you choose not to follow this manual, all general, special, indirect, incidental and/or consequential damages are excluded from our warranty and are disclaimed by SIMON PROtec Systems GmbH.

Firescreen® fire curtains are tested in accordance with European standards and meet all appropriate provisions of the relevant legislation implementing certain European Directives.

CE marking applies to our Firescreen® fire curtains.

## 2. Before installation

### 2.1 Please check

Product:	Check if all parts are present; see exploded view in this manual with the part list. Check if the parts are not damaged.
Clear opening:	Dimensions opening (w x h) need to correspond to the exact dimensions on the project drawing.
Mounting surface:	Make sure that installation is carried out on a fire resistant solid surface with sufficient mounting strength; see also project drawing. The Firescreen needs to have the same fire resistance as the wall on/in which it's mounted. Surface needs to be clean, straight and perpendicular.
Floor:	Floor needs to be level.
The structure:	Check mounting position; In the structure (ITS) or On the structure (OTS). Beware that combinations are possible! Check if there is enough installation space to install the barrel and headbox and side guides.
Power source:	Check if the 230V connection for the control box is present.

#### **! Warning:**

- If there is no 230V present during installation the Gravity Fail Safe version can't be installed, because without power the brake which holds the screen up is not working and it can't stay open!
- The RZ-24 Firescreen Control control box must always be accessible for operation of the push buttons on the box, so should never be installed e.g. behind a ceiling!
- Never install the Firescreen if the mounting surface or mounting fasteners do not correspond with the drawing and manual.
- Be careful not to damage the coating of the metal parts with sharp objects.

### 2.2 Safety instructions

- Only professionals who are trained and authorized by the manufacturer are allowed to do installation and maintenance.
- Only authorized persons who have read and understood this manual are allowed to operate the Firescreen.
- Always check during controlled downward movement of the Firescreen if there are no obstacles or persons underneath.
- Never place any obstacles in the path of the Firescreen.
- Never touch any moving parts of the Firescreen during opening or closing.
- The product should not be changed in any way after delivery unless approval is given by the manufacturer.
- It's forbidden to bypass or to manipulate any safety measures.
- All instructions in this manual need to be followed.

**! Warnings due to residual risks:**

- Firescreen fire curtains are cut to size; the edges of the curtain may be sharp!
- Edges of metal parts may be sharp! Wear protective equipment during installation.
- Wear hearing protection during drilling of holes in the mounting surface.
- Some parts of the product can be heavy! Observe the safety rules for heavy lifting and installation. In some cases a lifting device can be used.
- Motors can become hot after or during operation.
- Danger due to electric current:
  - only trained and authorized people are allowed to work on electrical systems.
  - never disable or overbridge safety features.
- Danger of crushing due to moving parts.

### 3. Icons



Motor setting



Screwdriver



Operate



Center in slotted hole



Roll/unroll curtain



Level



Check



Connect



Sealant



Read manual



Wrench



Warning



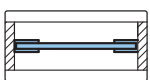
Drilling machine



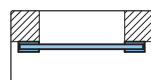
Well done!



Scissors



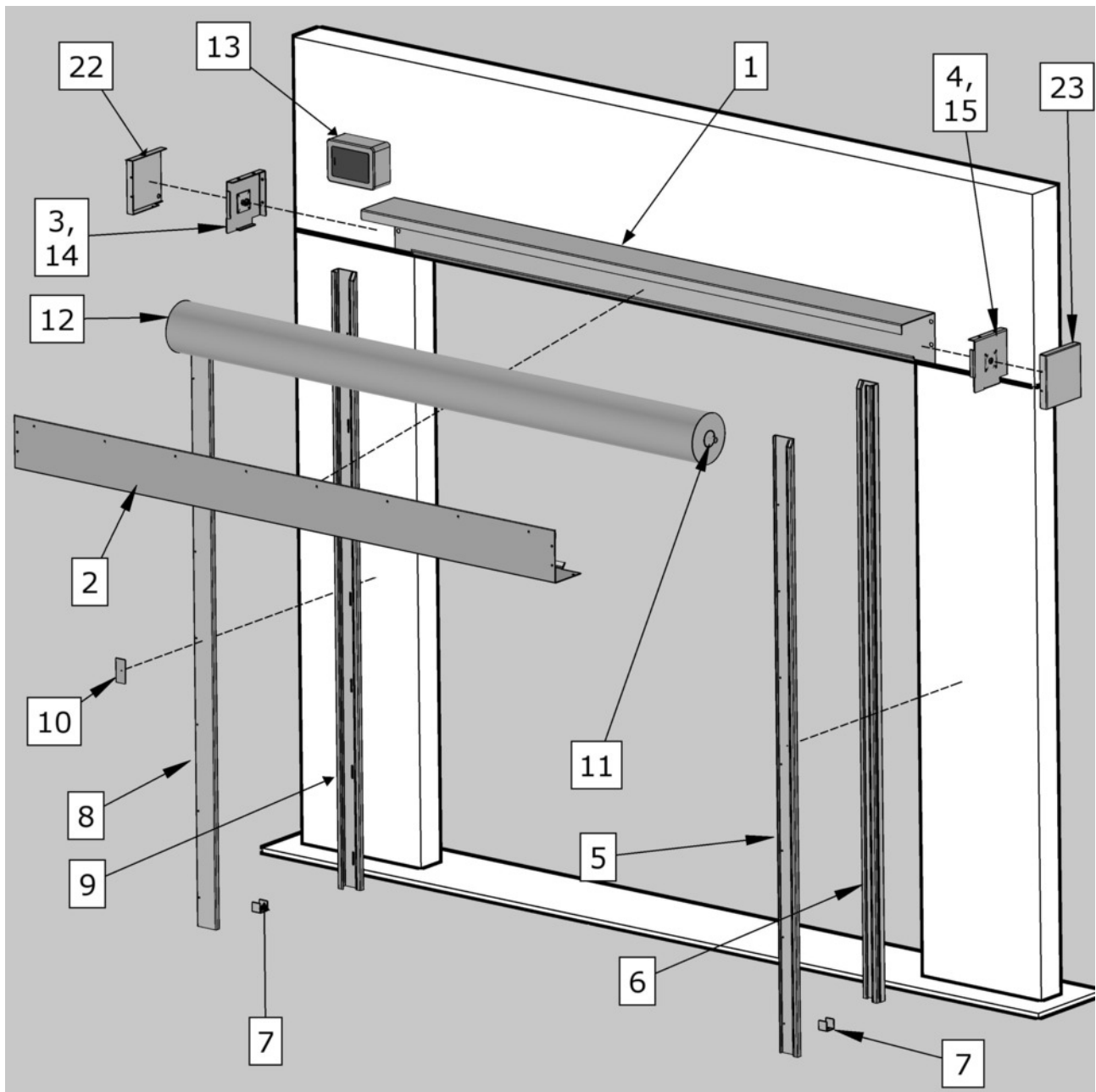
In The Structure = ITS (in the clear opening)



On The Structure = OTS (on the wall)



Motor & control box settings



#### 4. Overview of parts

1	Top/ rear Cover	12	Curtain	23	Console cover R (only for OTS)
2	Front/ bottom Cover	13	Control box		
3	Console L	14	Motor support		
4	Console R	15	Bearing		
5	Side guide cover R	16	Wall plug non loaded, see next page		
6	Mounting side guide R	17	Wall plug loaded, see next page		
7	Floor Mount	18	Washer large M6, DIN 9021		
8	Side guide cover L	19	Selfdrilling screw panhead 4.8 mm x 13mm		
9	Mounting side guide L	20	Clamp strip (only for GFS version)		
10	Type sticker	21	Washer normal M8, ISO 7089		
11	Barrel with motor	22	Console cover L (only for OTS)		

#### 4.1 Mounting surfaces & fasteners

Mounting surface	Wall plug Non-loaded parts*		Wall plug Loaded parts**	
	Mounting method	Product specification	Mounting method	Product specification
Steel with fire-resistant cladding Metalstud strengthened with steel	<b>Drilling and tapping</b>	<b>M6x30</b>	<b>Drilling and tapping</b>	<b>M8x30</b>
Wood with fire-resistant cladding Metalstud strengthened with wood	<b>Heco-fix</b>	<b>6x70</b>	<b>Lag screw</b>	<b>8x70</b>
Hardwood without cladding	<b>Heco-fix</b>	<b>6x50</b>	<b>Lag screw</b>	<b>8x70</b>
Concrete	<b>HRD-C</b>	<b>HRD-C 8x80</b>	<b>Stud anchor</b>	<b>HST M8x75/10</b>
	Screw anchor	HUS-3C 8x60	Sleeve anchor	HLC 10x60/25
	Chemical anchor	HIT-HY-200-A	Screw anchor	HUS-3C 8x80
Aerated concrete	<b>HRD-C</b>	<b>HRD-C- 8x80</b>	<b>Push-in anchor</b>	<b>HPD M6/10</b>
	Threaded rod through the wall	Threaded rod M6	Threaded rod through the wall	Threaded rod M8
Brick full Sand-lime brick	<b>HRD-C</b>	<b>HRD-C 8x80</b>	<b>Sleeve anchor</b>	<b>HLC 10x60/25</b>
Brick hollow	<b>HRD-C</b>	<b>HRD-C 8x80</b>	<b>Chemical anchor</b>	<b>HIT-HY-70</b>
	Chemical anchor	HIT-HY-70	-	-
Channel plate	<b>HRD-C</b>	<b>HRD-C 8x80</b>	<b>Hollow deck anchor</b>	<b>HKH M6/10</b>

Bold printed wall plugs are standard supplied with the Firescreen for the relevant mounting surface, other wall plugs mentioned are optional.

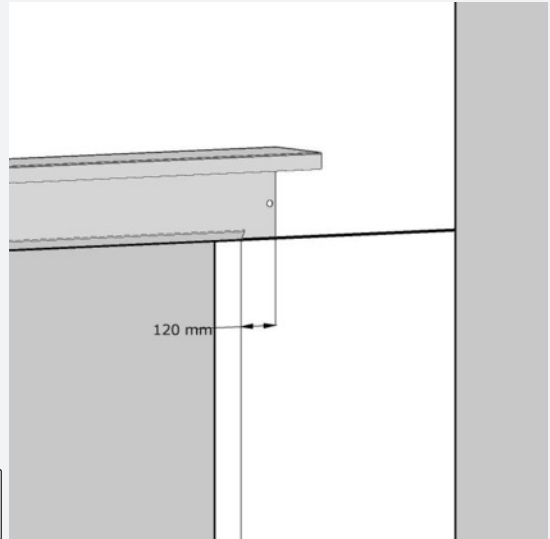
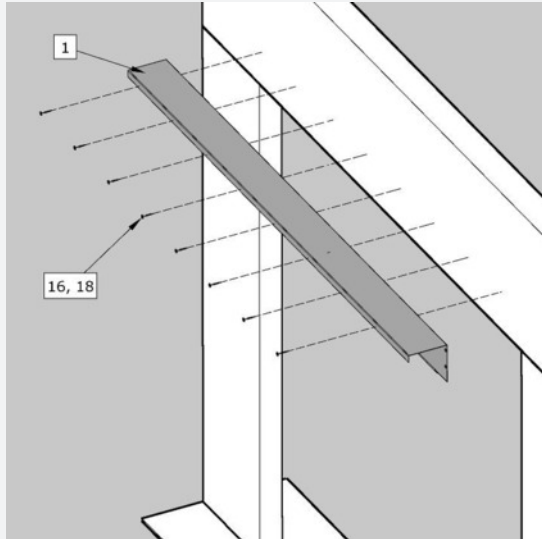
\*Non-loaded parts: side guides, headbox covers

\*\*Loaded parts: consoles

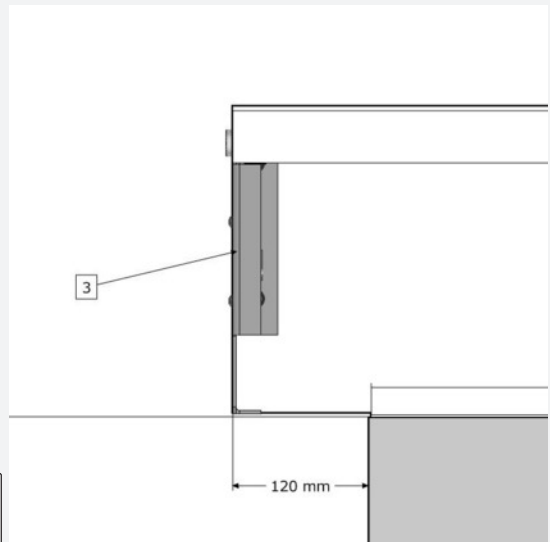
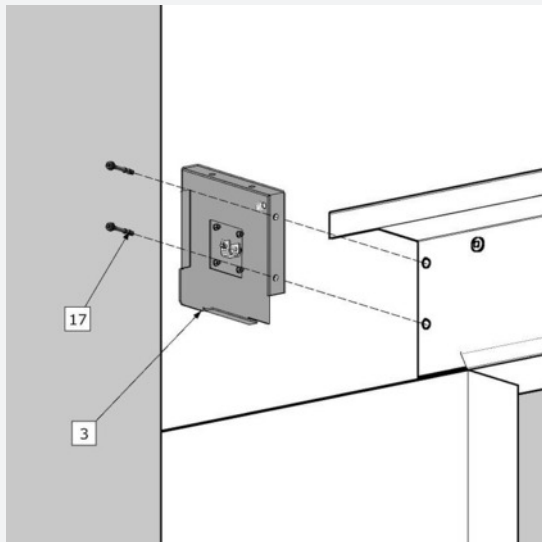
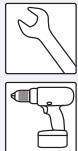
## 5. Installation On The Structure



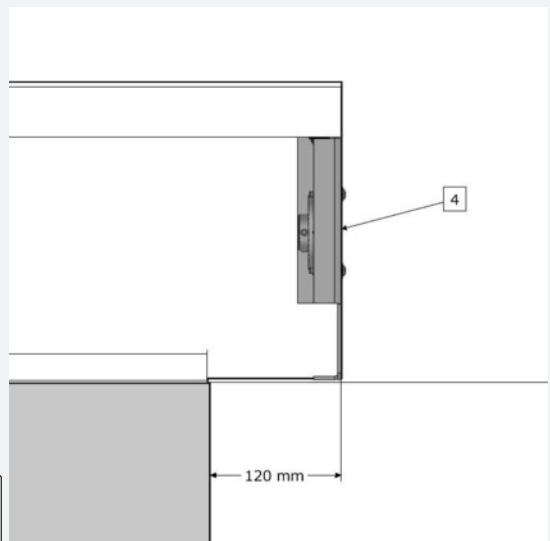
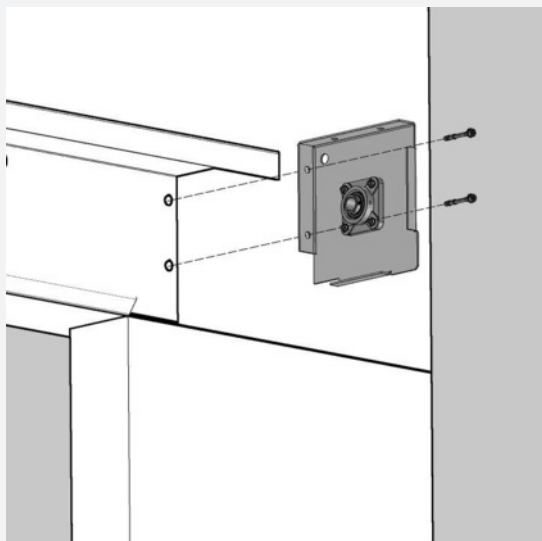
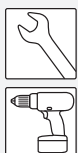
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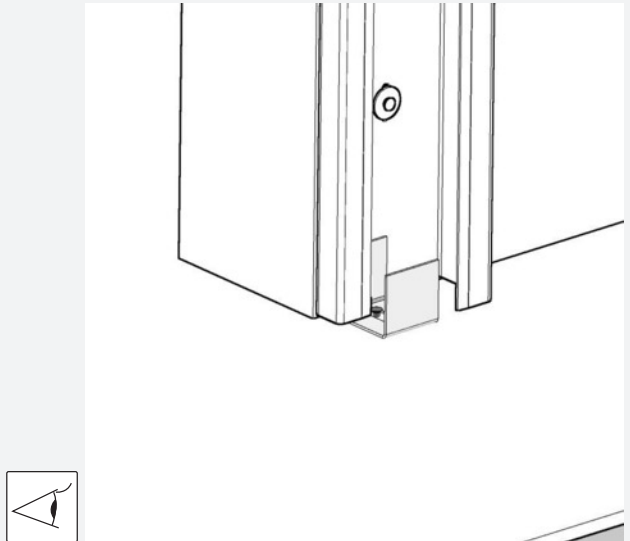
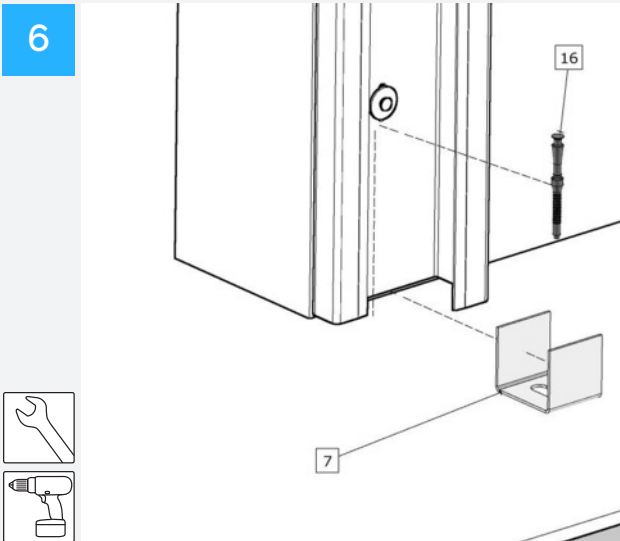
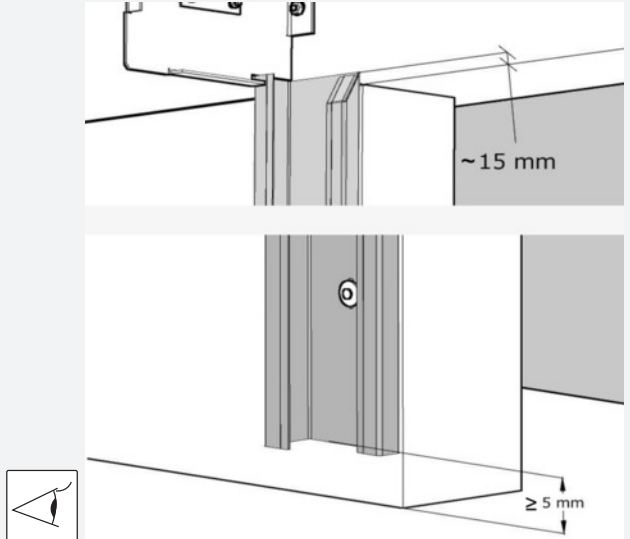
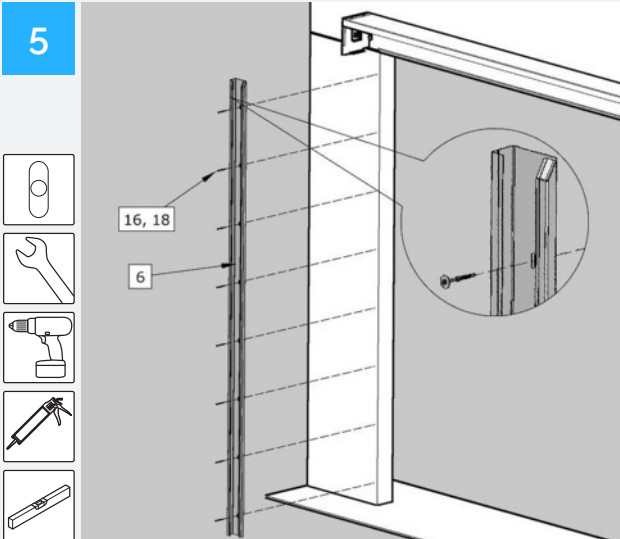
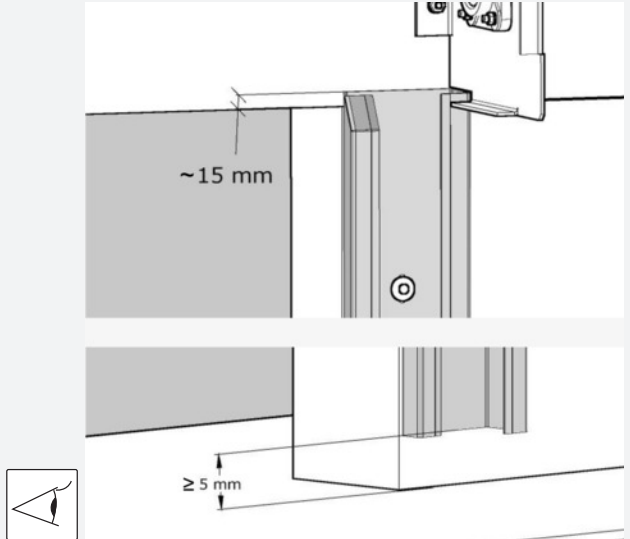
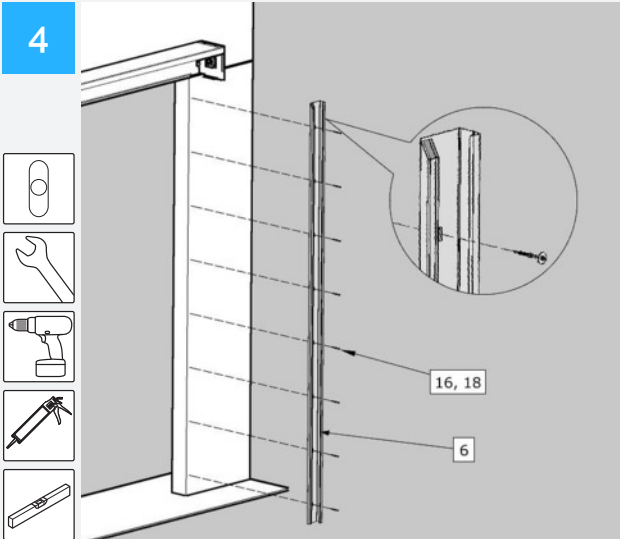


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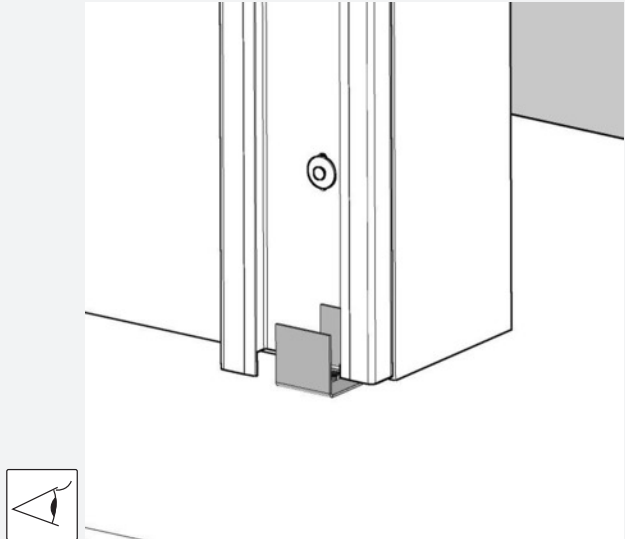
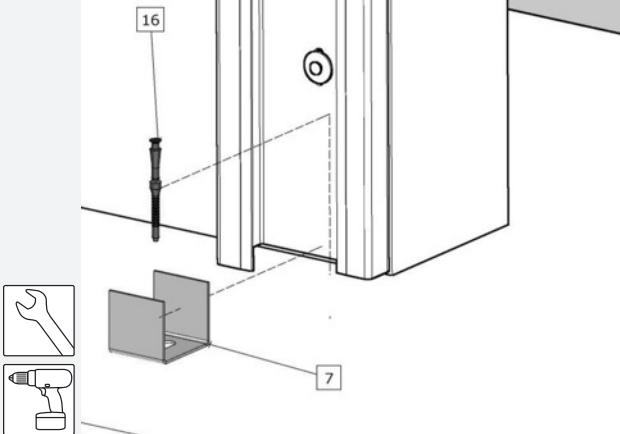




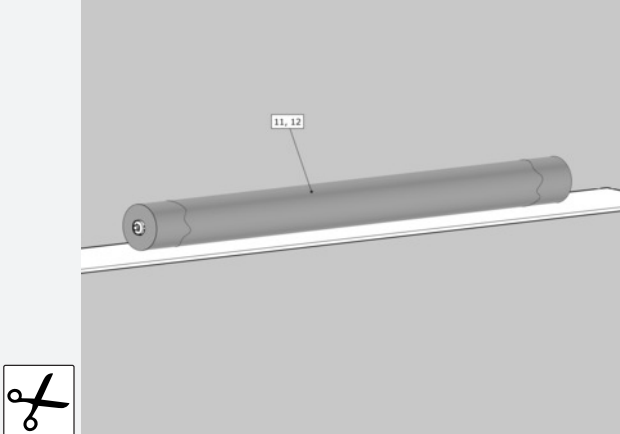




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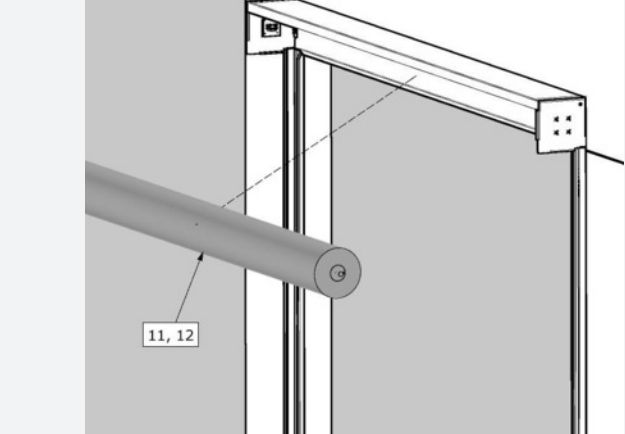


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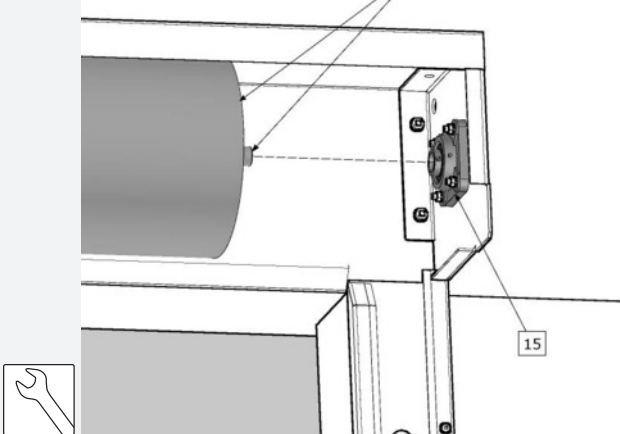


Remove foil ends

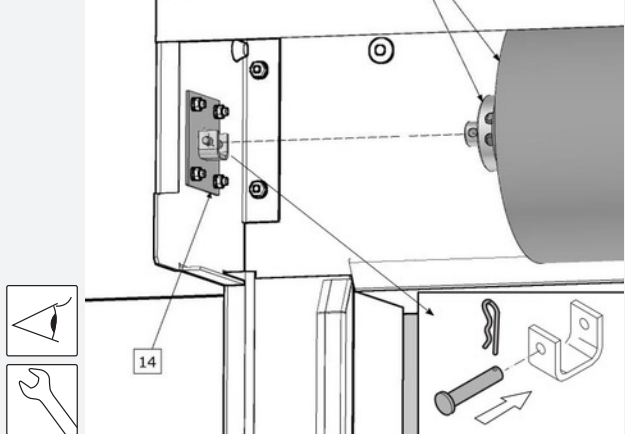
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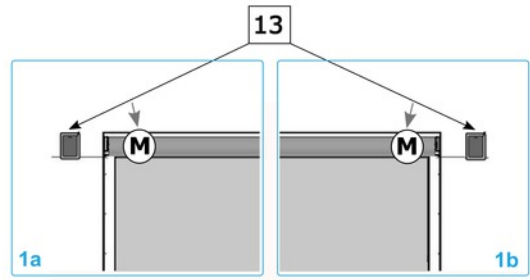
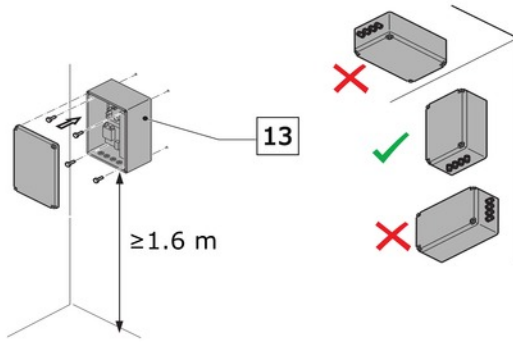


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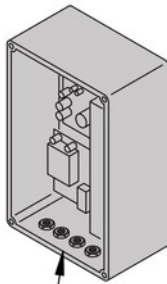




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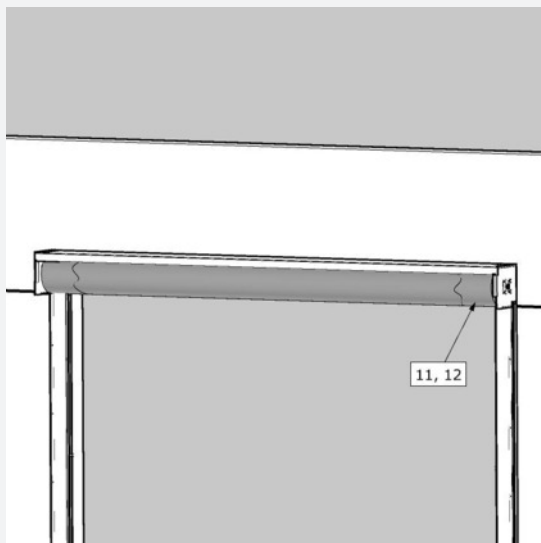
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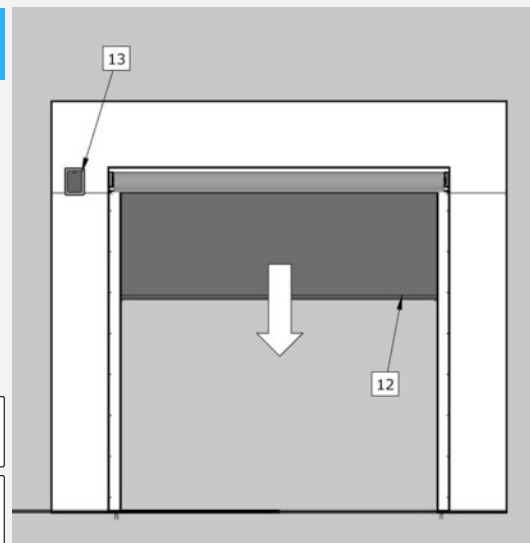
EFS: Firescreen Control  
GFS: RZ-24 Firescreen Control  
NFS: Smart Control 1



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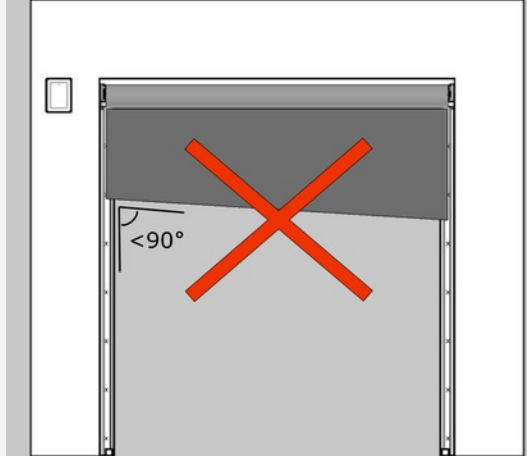
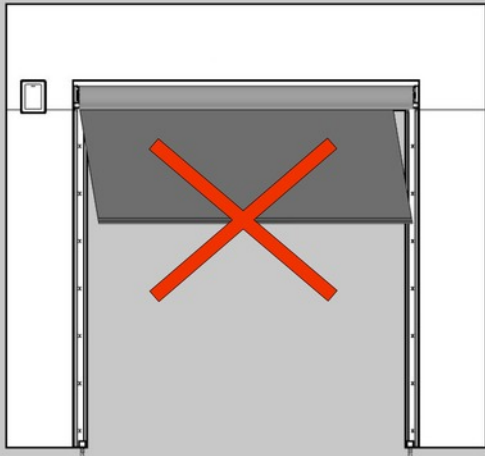
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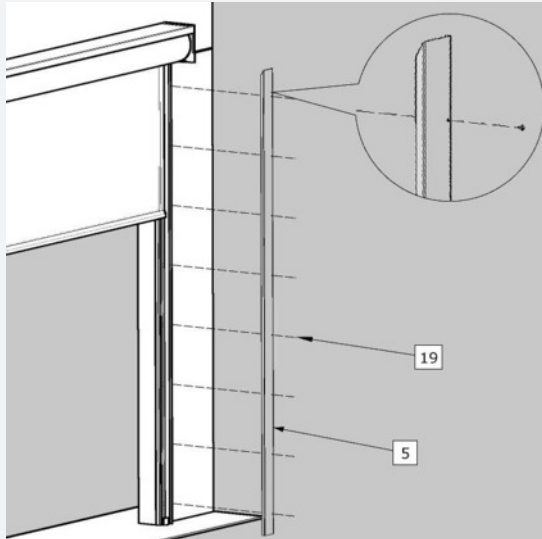
Remove plastic foil from the barrel.  
Place the curtain into the side guides.



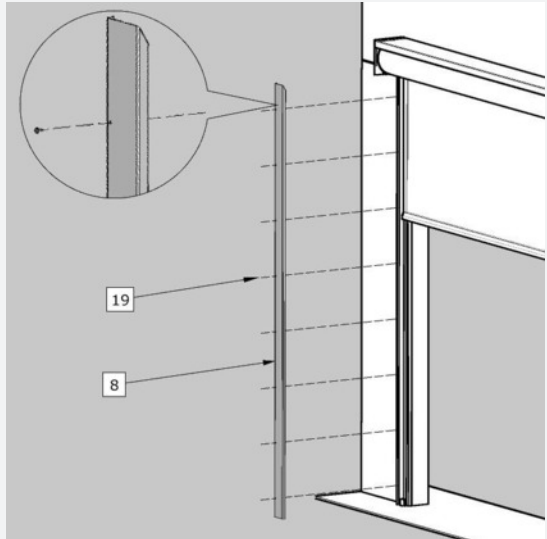
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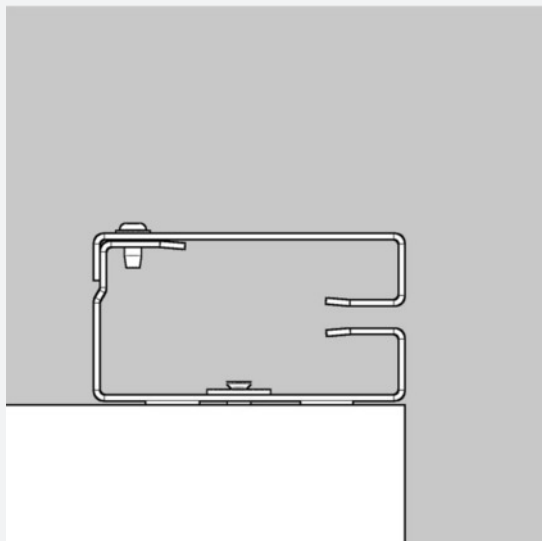
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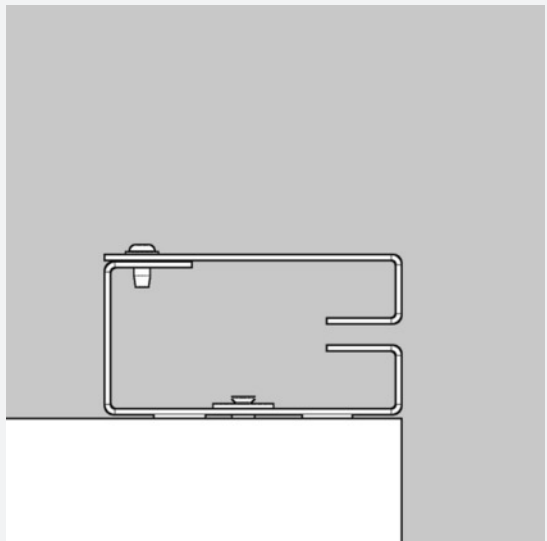
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Steel side guides

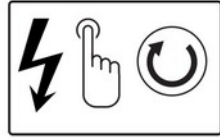


Stainless steel side guides

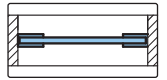


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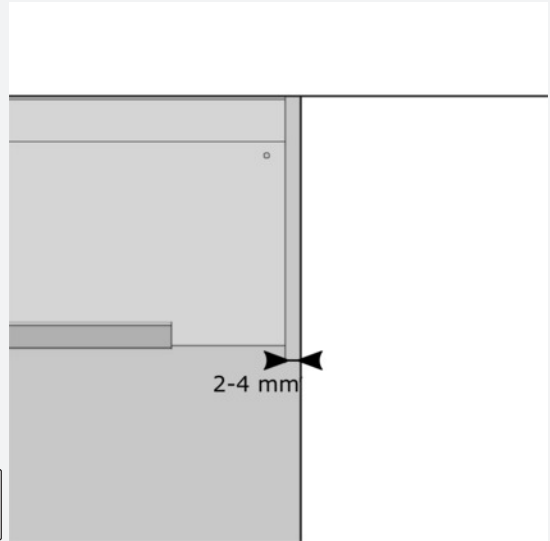
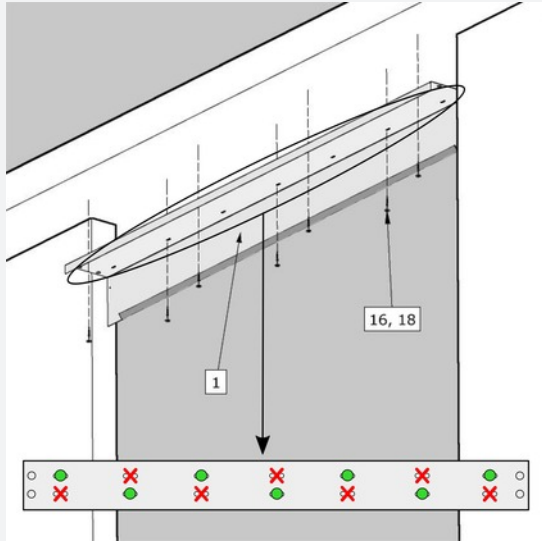
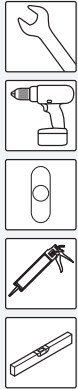
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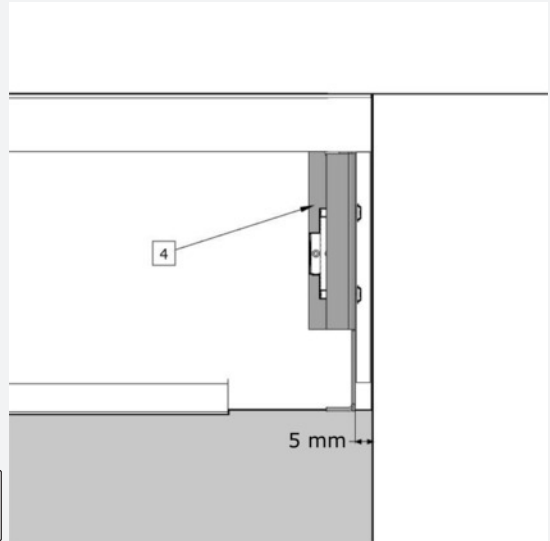
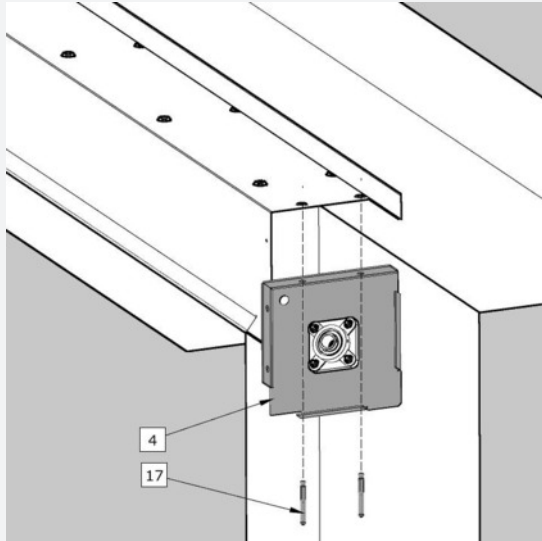
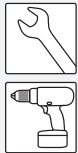
## 6. Installation In The Structure



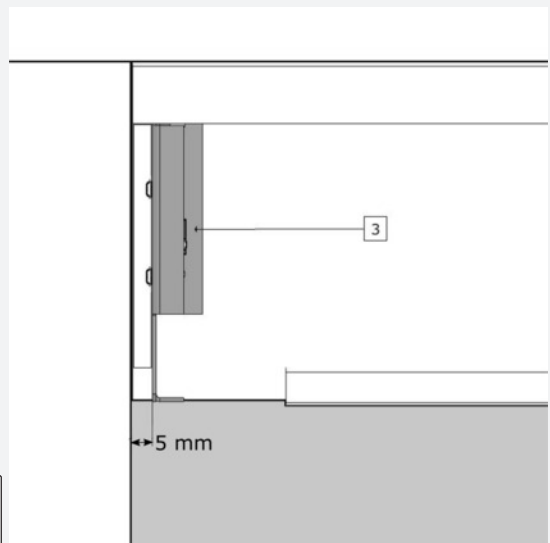
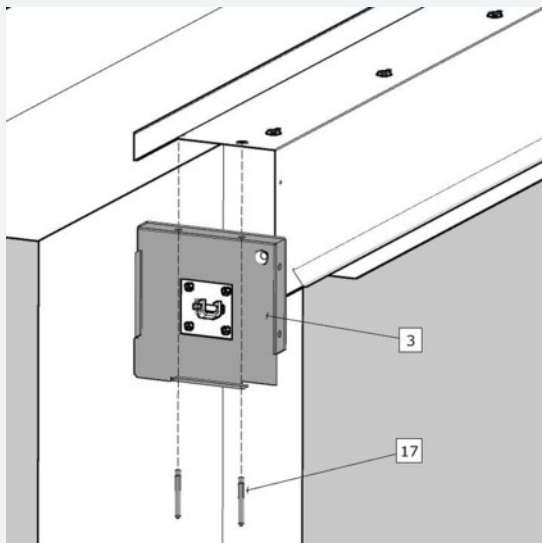
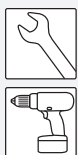
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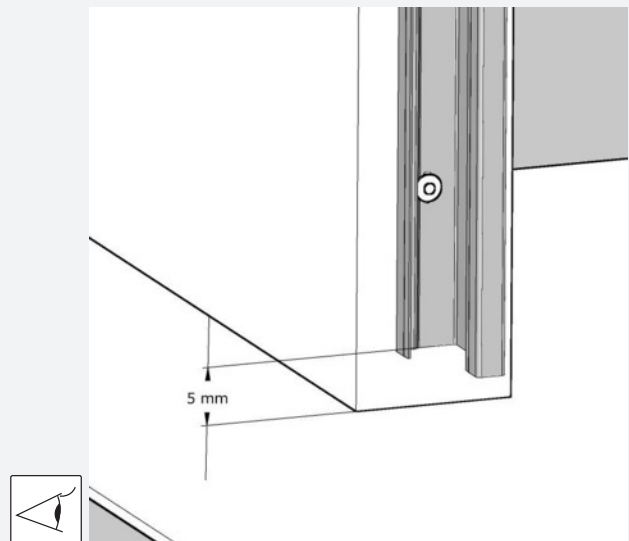
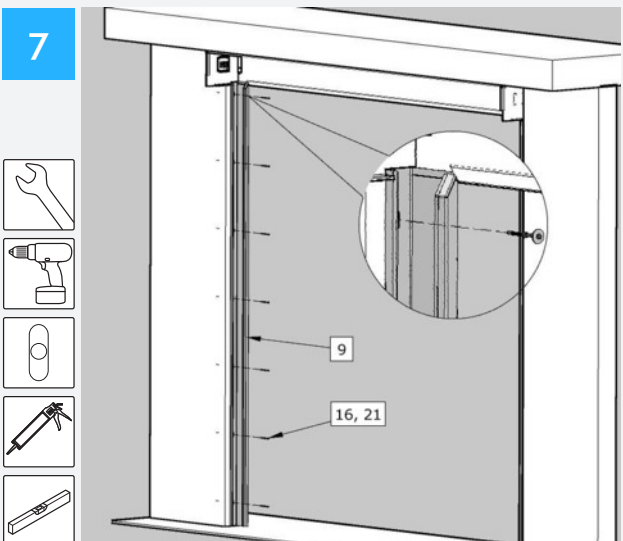
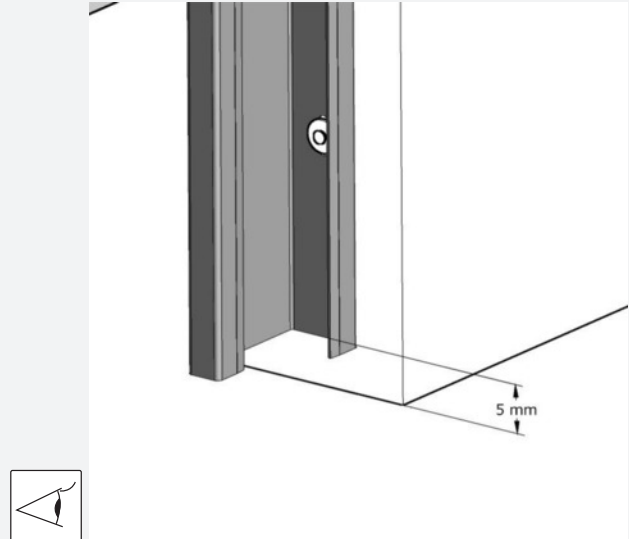
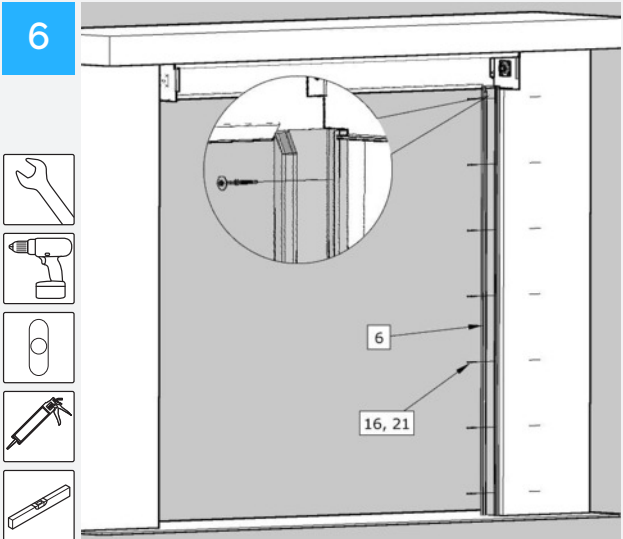
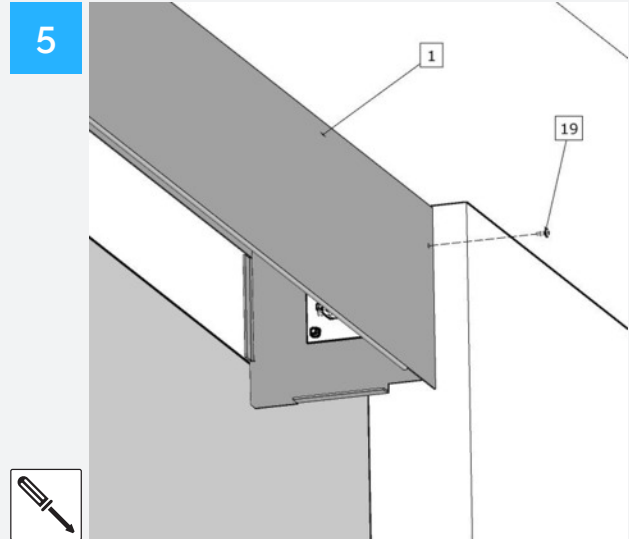
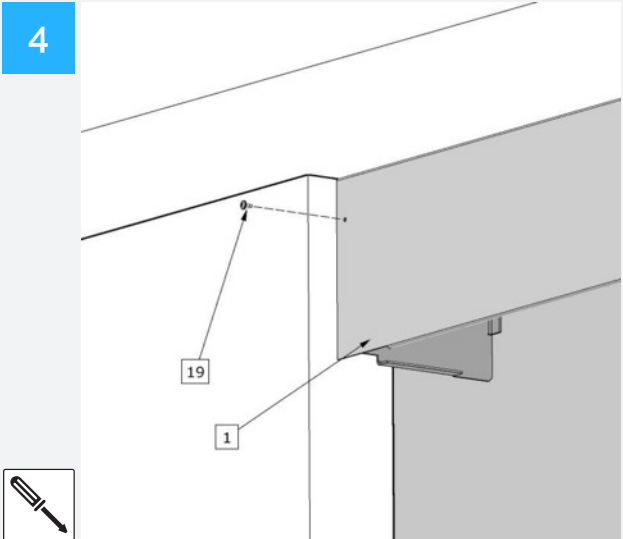
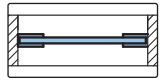


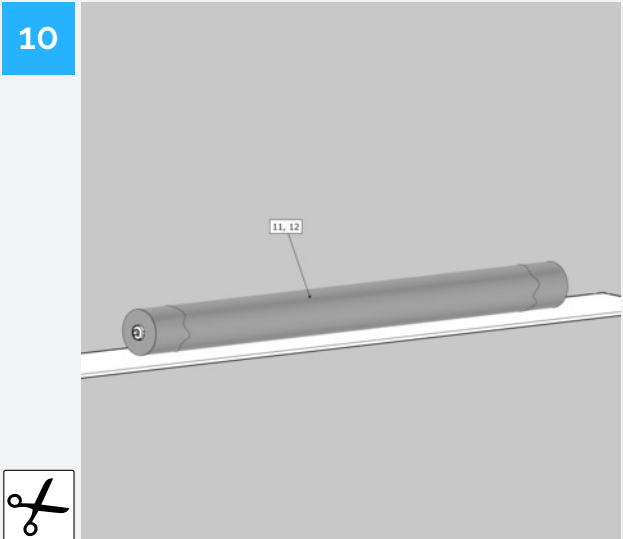
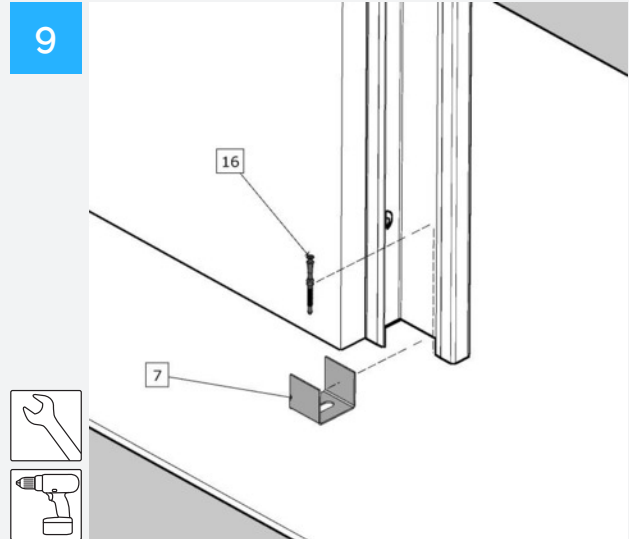
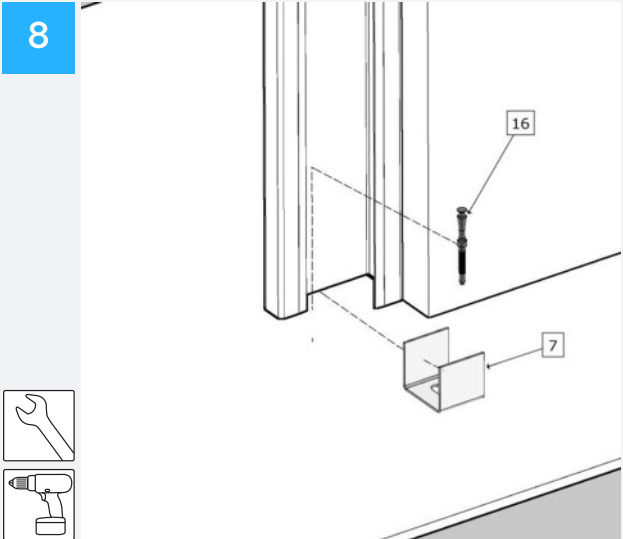
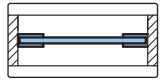
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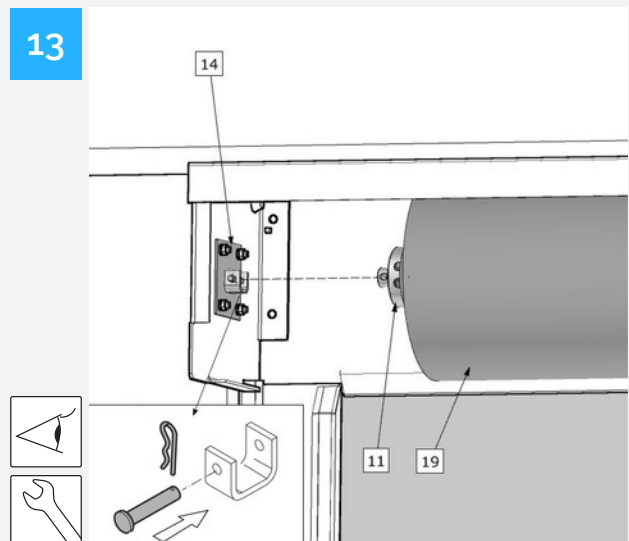
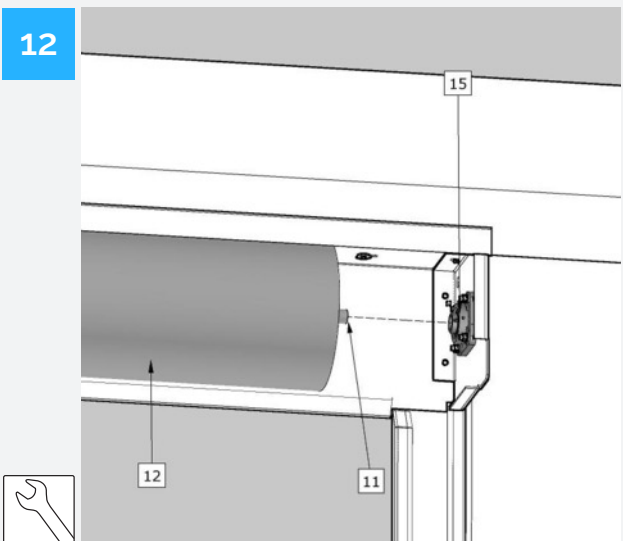
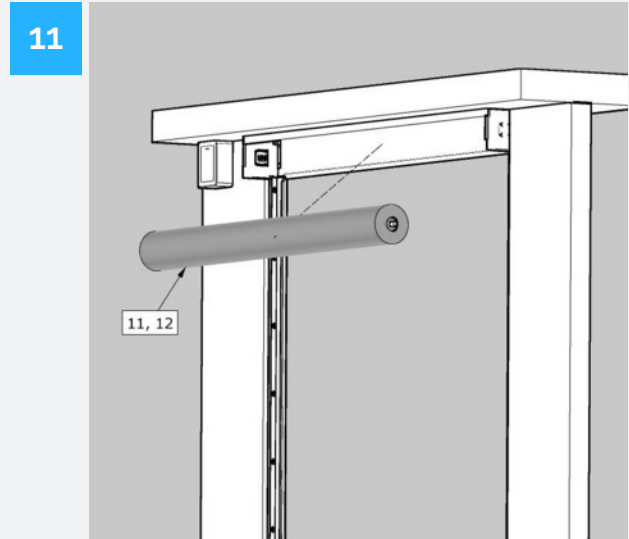
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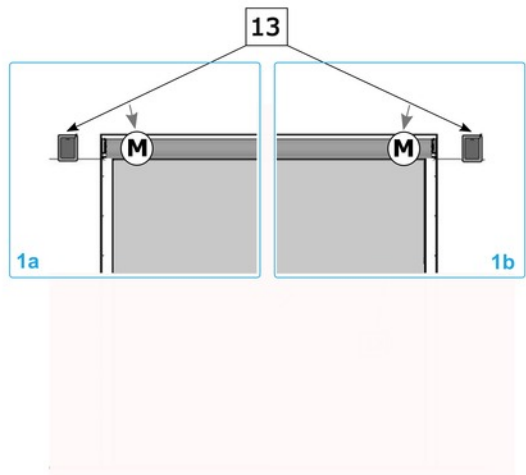
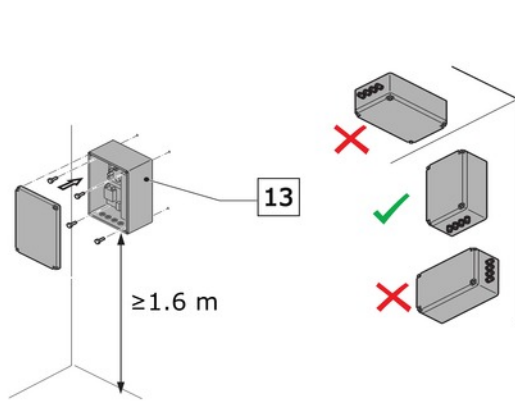


Remove foil ends.

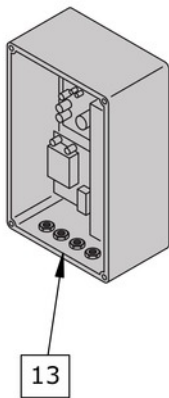




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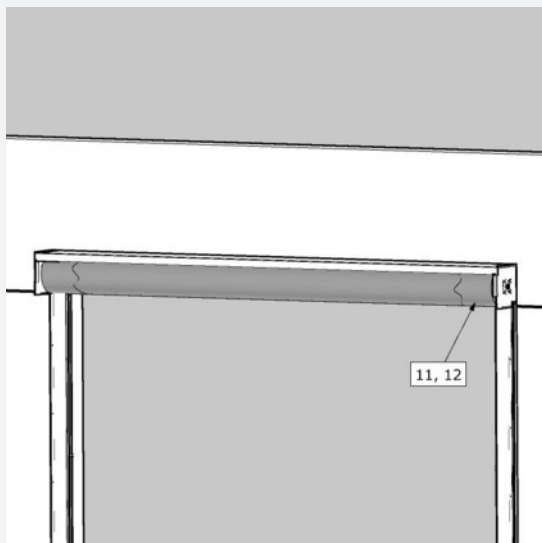


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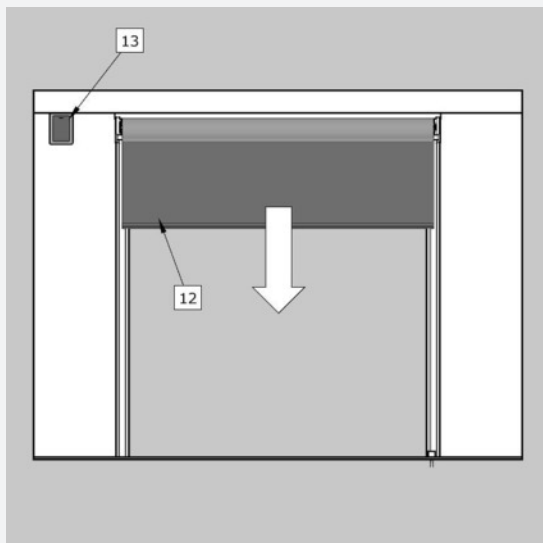


EFS: Firescreen Control  
 GFS: RZ-24 Firescreen Control  
 NFS: Smart Control 1

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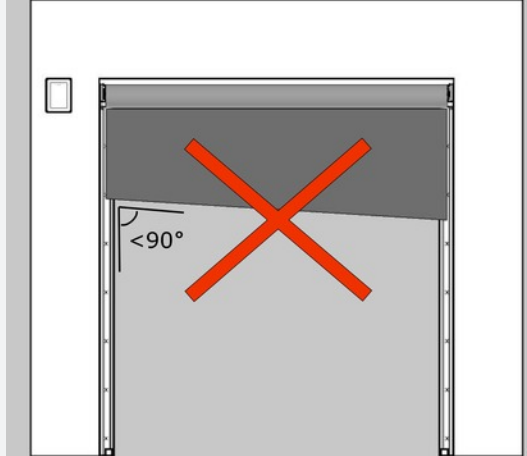
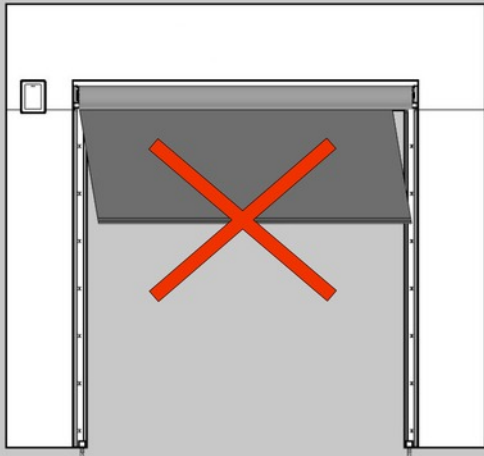


Remove plastic from the motor tube.  
 Place the curtain into the side guides.

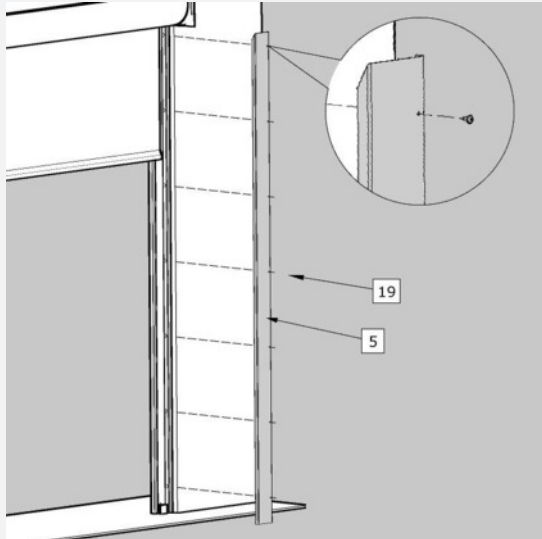




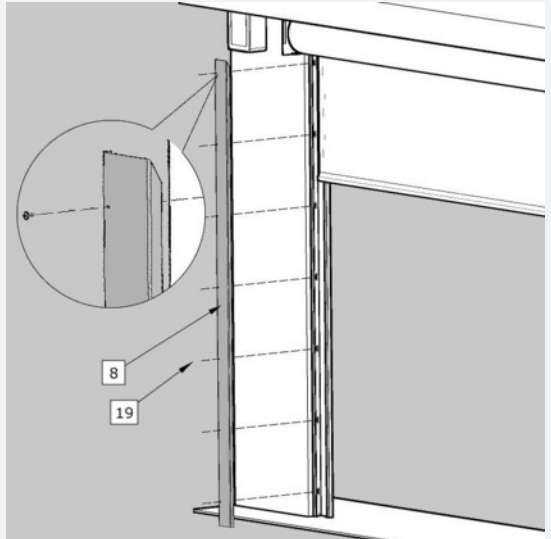
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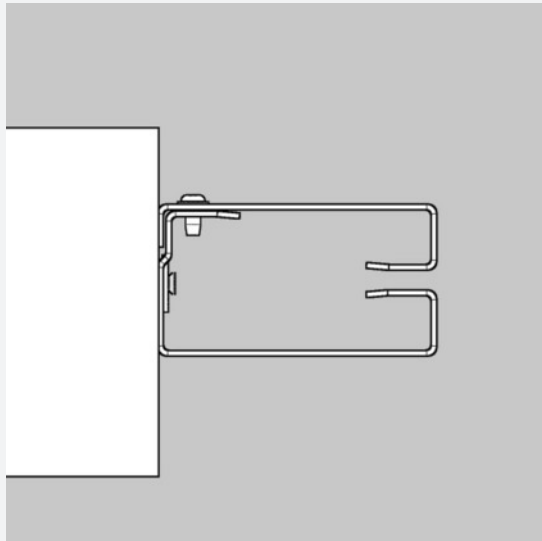
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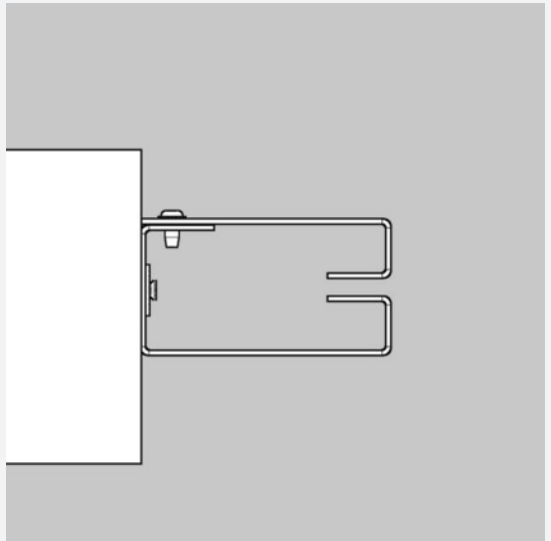
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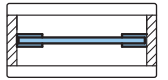
21



Steel side guides

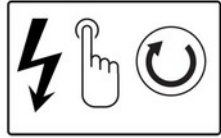


Stainless steel side guides



22

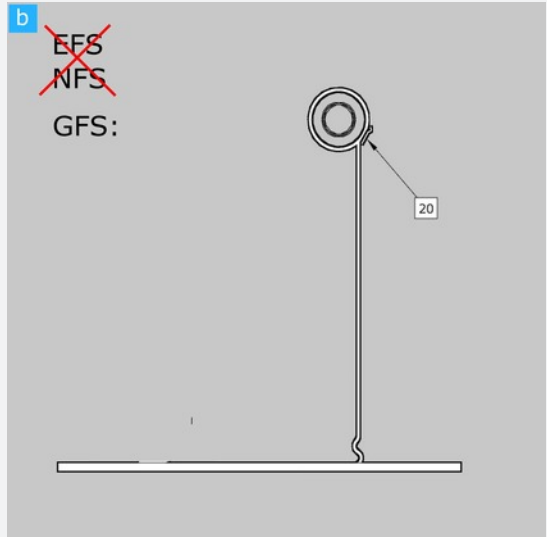
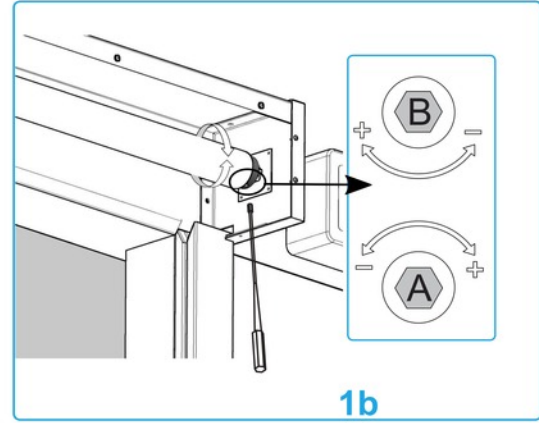
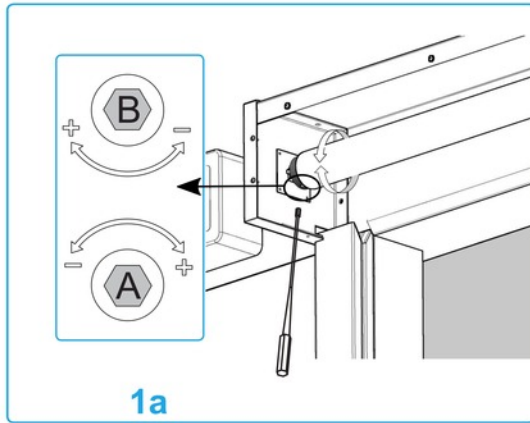
▶ § 7



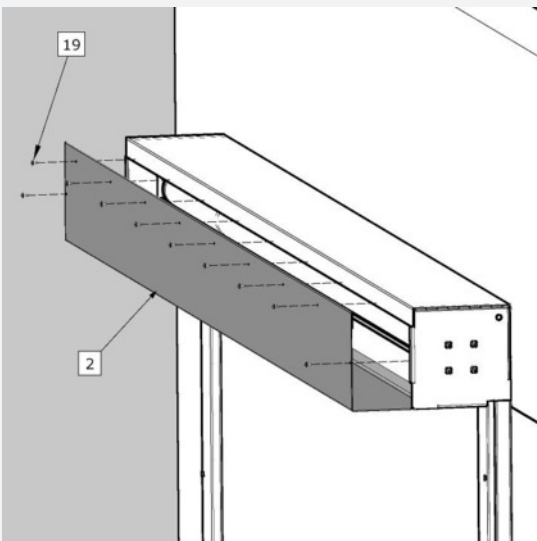
## 7. Motor & control box settings, final test & handover



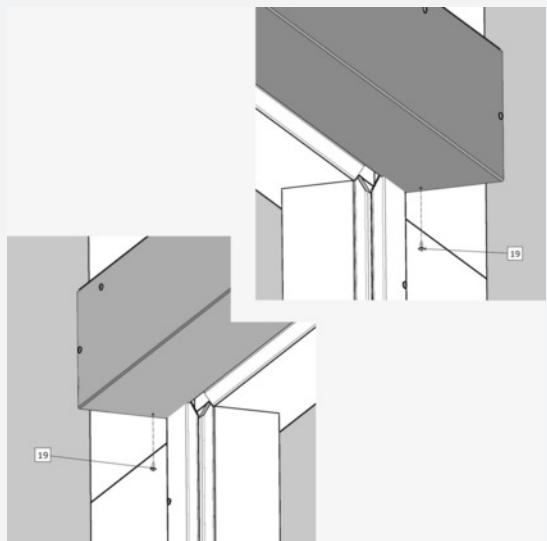
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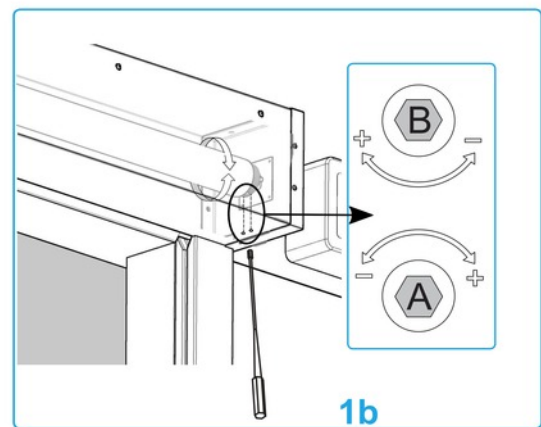
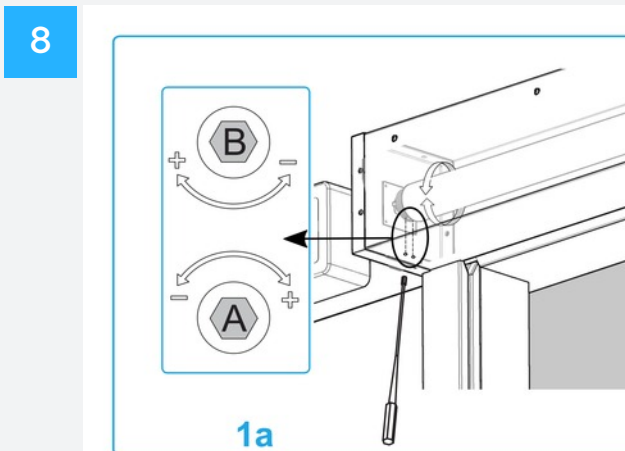
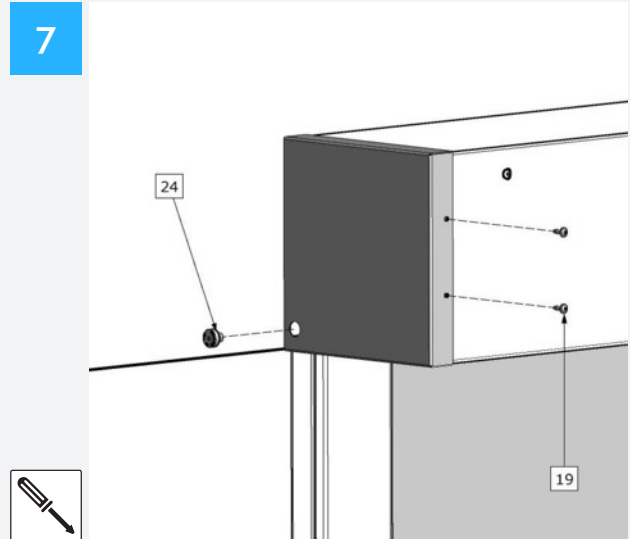
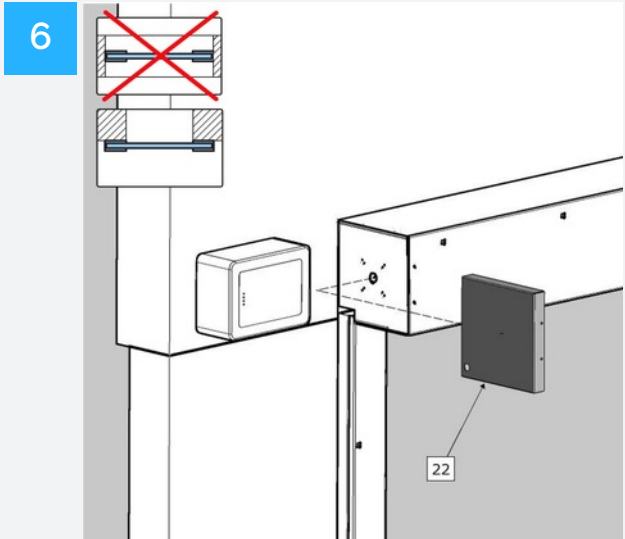
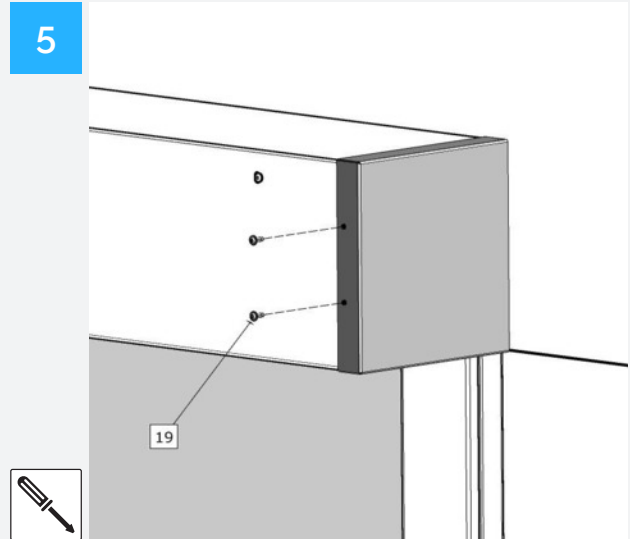
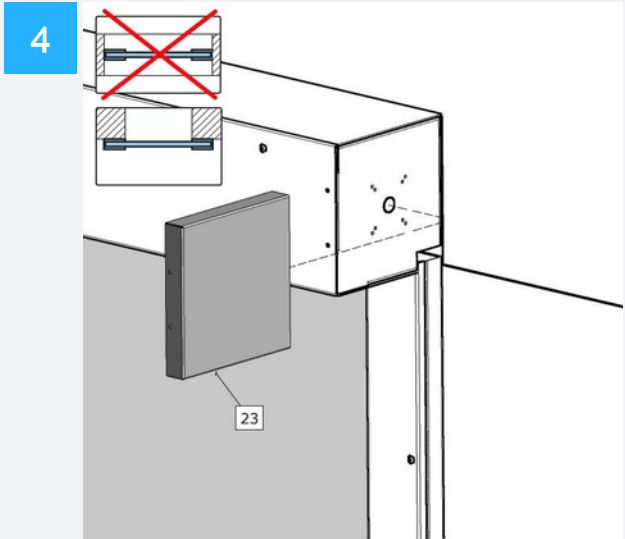


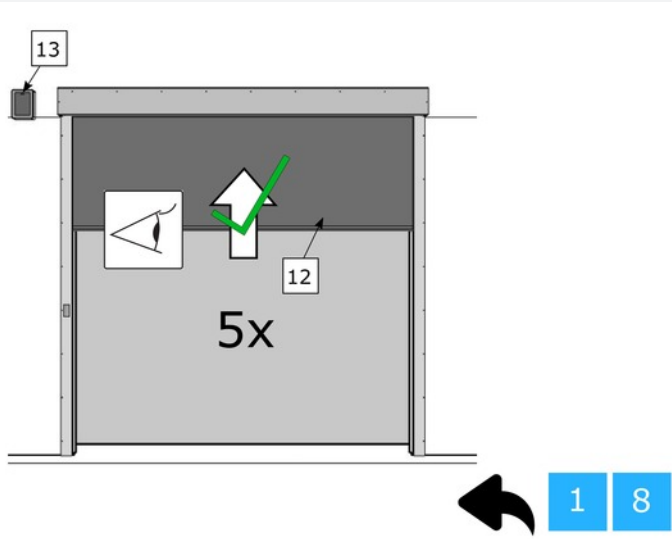
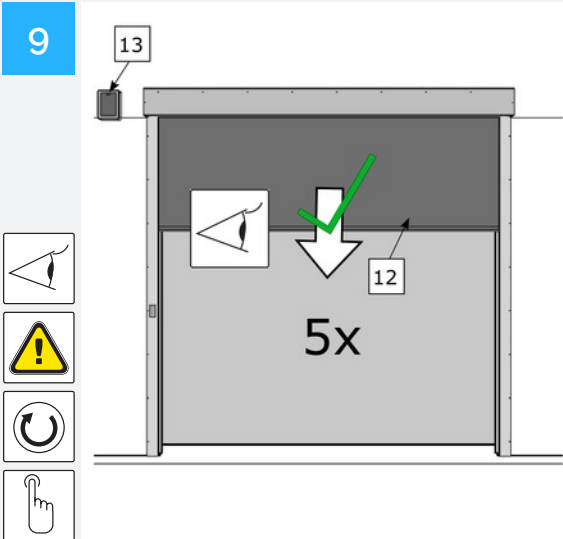
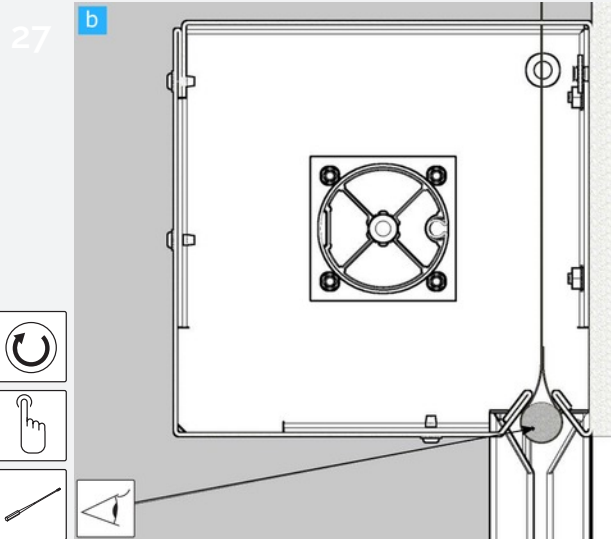
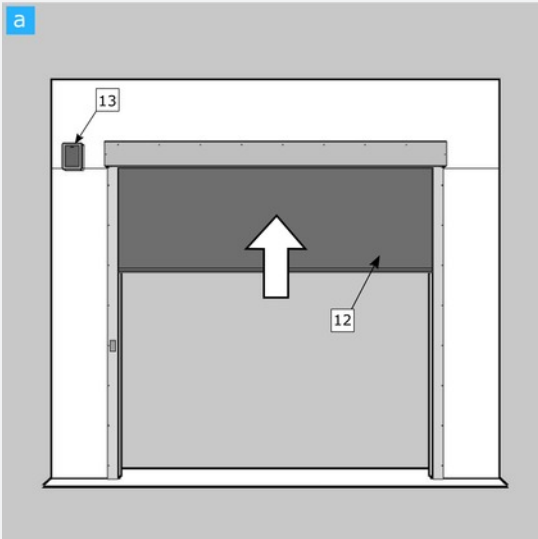
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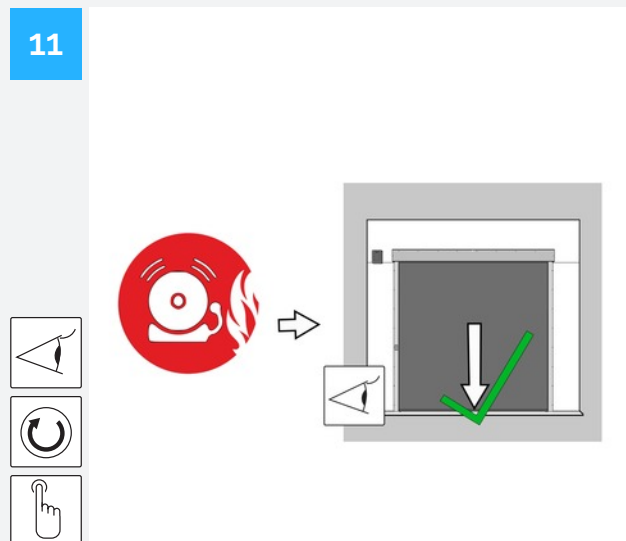
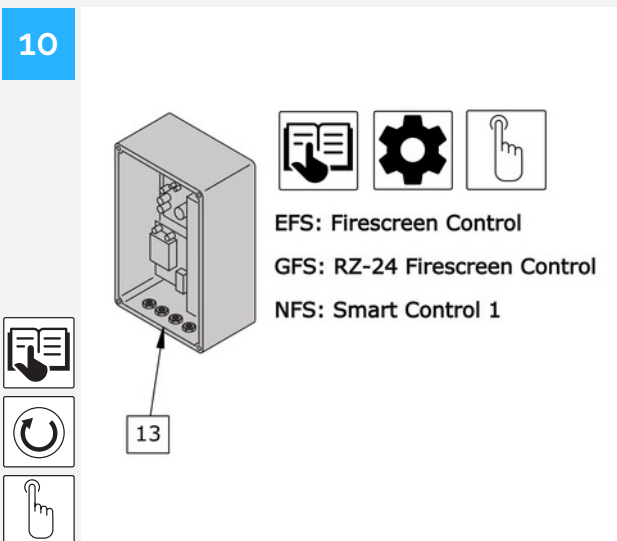
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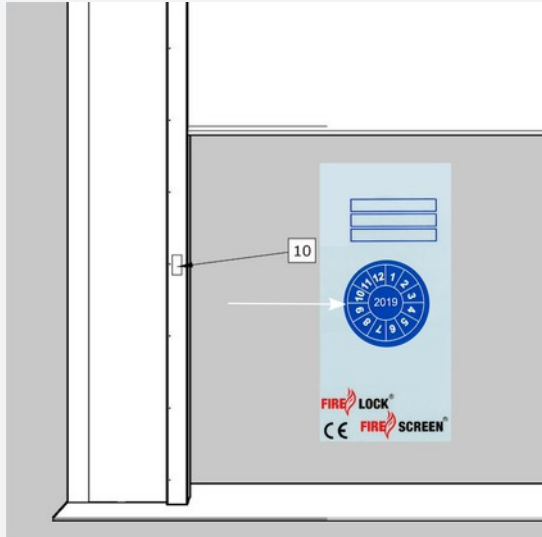




Finetuning. Warning; the tubular motor can become thermally overloaded after about 5 minutes! After cooling down, the motor can function again.



12



13



## 8. Problems and frequently asked questions

Read the relevant manual of the control box for problem solving:

EFS	Firescreen Control
GFS	RZ-24 Firescreen Control
NFS	Smart Control 1

**This manual is needed for maintenance.**

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