

FAST-WALL

**LOGISTIC
SOLUTIONS**



EUROPEAN STANDARD EN 13241-1



**ASSEMBLY, USE AND
MAINTENANCE MANUAL**

DECLARATION OF CONFORMITY

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Mr Paolo Luigi Vergani, as the Chairman and legal representative of KOPRON SpA with registered offices at Carugate, Via Cesare Battisti n. 181 and Headquarters at Gorgonzola, Via Primo Maggio, snc and production pole located at Molfetta, Via Oliere e Saponerie Meridionali n. 37,

States

That the following products.:

Type	FAST-WALL
Customer	
Order	
Quantity	
Year of production	

Are in compliance with:

Construction products Directive 89/106/EEC through harmonized standard EN 13241, Machinery Directives 98/37/EC and electromagnetic compatibility Directive 89/336/EEC

Molfetta

Kopron Spa

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Important parts of the text have been highlighted with the following symbols:

**DANGER – WATCH OUT**

This points out situations which may become dangerous for health and safety in case they are ignored.

**WARNING**

This indicates correct procedures to follow to safeguard health and safety and avoid economical damages

**IMPORTANT**

This indicates important technical information and standards which must not be ignored.

**ECOLOGY**

Remarks regarding environment preservation

**PROHIBITED****USEFUL TO KNOW**

3.1 Installation

Installation must be carried out only by experts.

Appointed personnel must be qualified and have a good knowledge:

- of general and special safety devices.
- on how to use safety devices.
- on how to use electric and manual tools.
- They must always be kept updated with courses organized by producer.

Personnel handling cables of the motor and safety devices must:

- have a good knowledge of general a special safety devices.
- be fully qualified to handle safety devices..
- be perfectly aware of danger when handling electric cables.
- They must always be kept updated with courses organized by producer.

3.2 Guarantee

Functionality and safety are guaranteed only in case:

- safety warnings are duly followed
- installation is correctly carried out according to instructions in the manual..
- original **Kopron Spa.** accessories and spare parts are used
- no additional part is fixed to the door.
- components supplied are neither modified nor dismantled.
- maintenance is carried out on regular basis
- the operator is well acquainted on how to use all the main parts (door, operating System with motor and safety devices).



3.3 General indications on safety

Warning!

- before installation, make sure dangerous areas are well delimited.
- All except authorized personnel are prohibited from entering dangerous areas
- installation must be carried out at least by two people.
- installation must be carried from a safe position. (i.e on a scaffold).
- priority must be given to enclosed drawings



3.4 How to organize site of installation

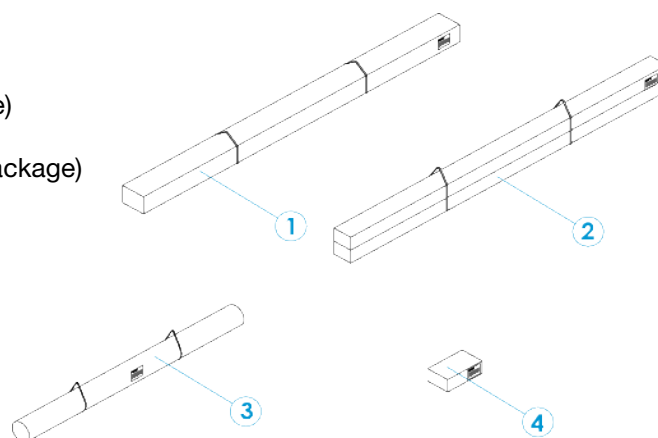
- The door can be installed only on surfaces which allow static installation,
- finished floor must be horizontal and flat,
- side walls must be perfectly aligned

4.1 Components

item	description	Drawings to refer to
1	vertical guide	(A) = (A1)+(A2)+(A3)
2	Door brush strip/ jig	(B)
3	Shaft supporting bracket	(C)
4	bearing	(D1)
5	parachute	(D2)
6	motor MFZ-EC	(E)
7	Rolling shaft	(F)
8	Surface fabric	(G)
9	Control panel	(H)

4.2 Packaging

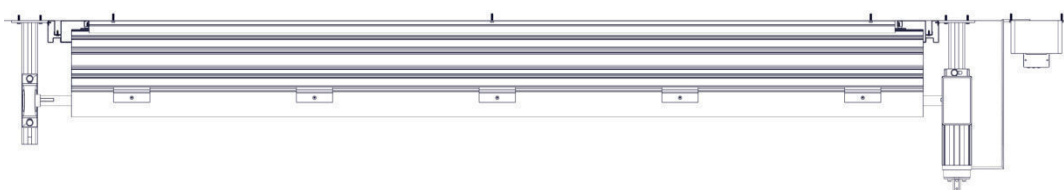
- 1 fabric (n°1 package)
- 2 vertical guides (n°1 package)
- 3 shaft ((n°1 package))
- 4 motor + accessories (n°1 package)



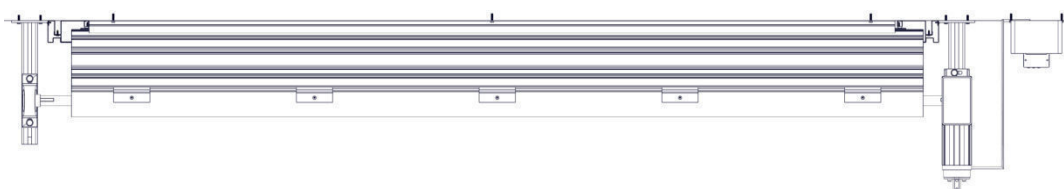
Information:

Fast wall doors can be available with two different types of motor

fast wall with **MFZ motor**



fast wall with **EC motor**



Note:

Along with shipment of the door you will find a drawing regarding installation which must be strictly followed.



disegno specifico
porta.pdf

the file is listed in the attachments section of this pdf

4.3 Images

Images show the assembly of the motor inside on the right hand side.
In case it is assembled on the left follow instructions specularly
Sizes are in millimeters.
Variables are indicated with an (X).

Technical modifications may occur.

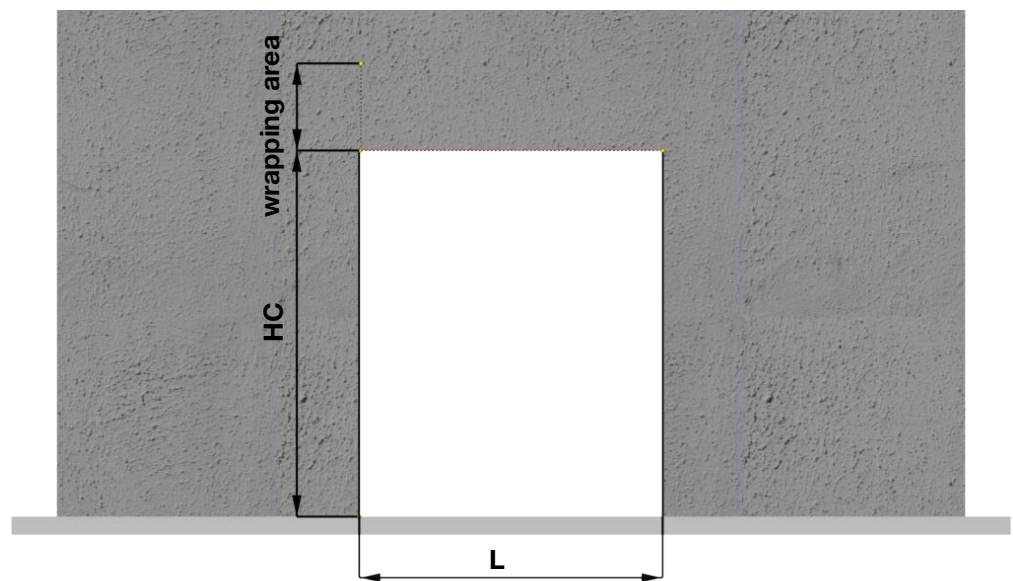
4.4 Measurement control system



Information:

Sizes requested are specified in the order confirmation or in the drawing shipped along with the material..

- Check sizes of the door with production data.
- Before assembling check production tolerances of the components



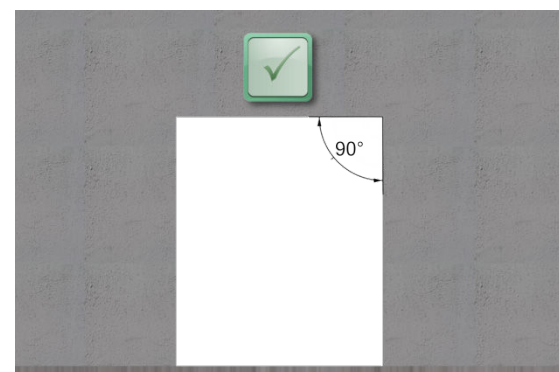
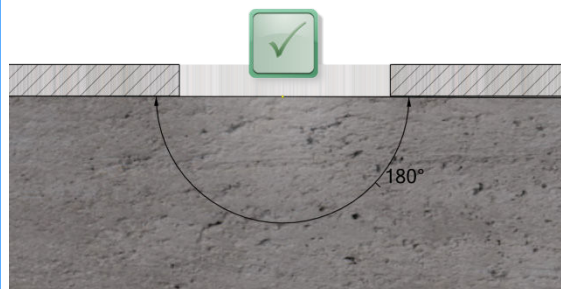
Note:

To install the door make sure of the following

- Finished floor must be horizontal and flat.
- Side walls must be perfectly alligned.

For any different condition you must have producer's approval before assembling.

- verify building surface.

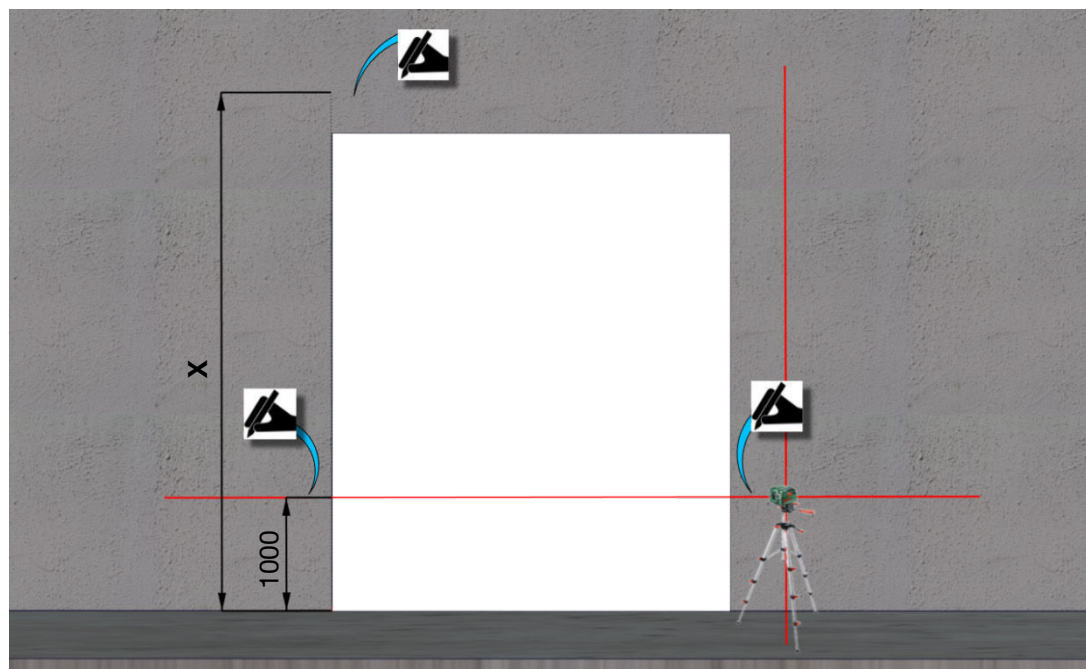


5.1 Preparation for installation


Information:

Size (X) for rolling shaft is on the drawing.

- Start tracing the level.
- Then trace it on the other side
- Mark the rolling shaft (X).

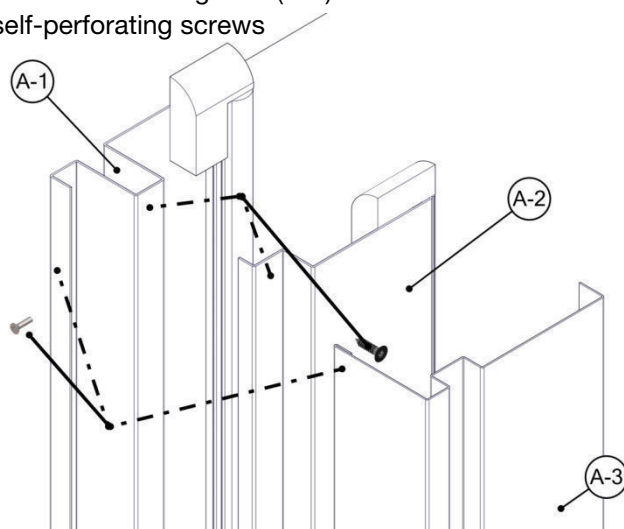


5.2 Assembly of vertical guides

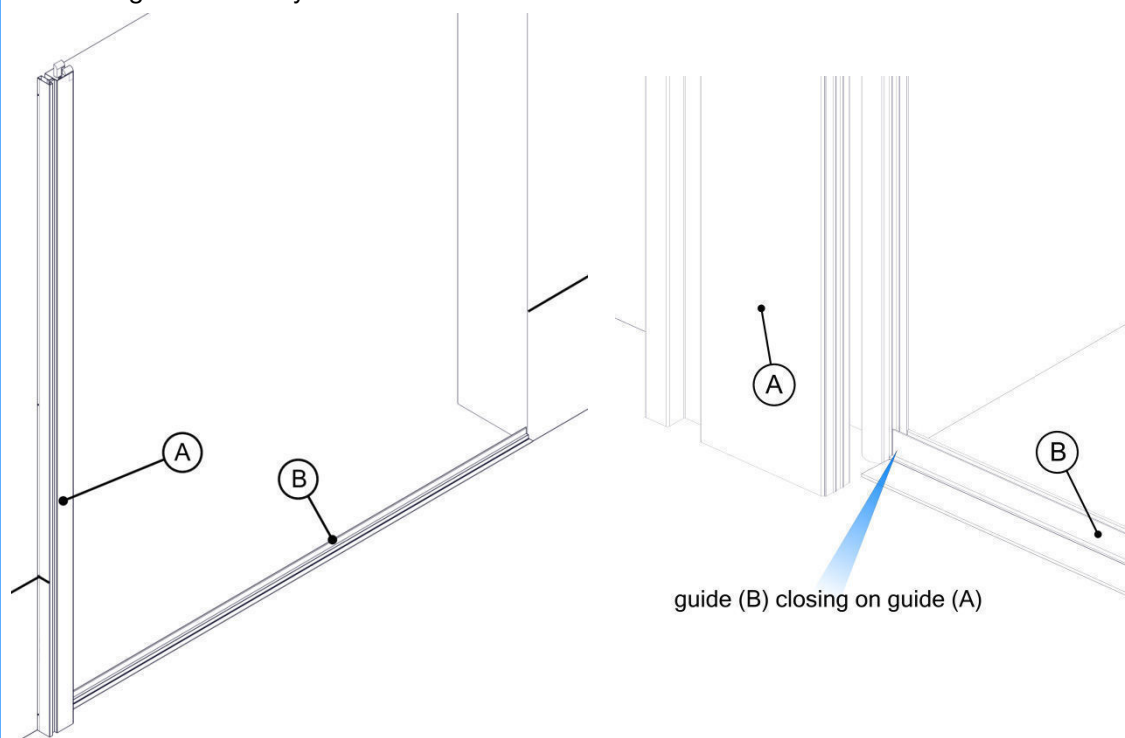

Information:

It could be necessary to reinforce vertical guides. In this case take a look at the drawing of the door and verify whether it is necessary to reinforce the guides.

- Position vertical guide (A-1) in front of the soffit without interfering with the passage.
- Position vertical guide (A-2) opposite (A-1) fixing them together with M6.3x25 self-perforating screws.
- Position vertical guide (A-3) and fix it on the external side of (A-1) with M4x16 cross self-perforating screws



- position the door brush strip at the bottom (B), in order to use it as a jig to position the vertical guide correctly .

**Nota:**

To align the vertical guides (A) correctly, make sure that:

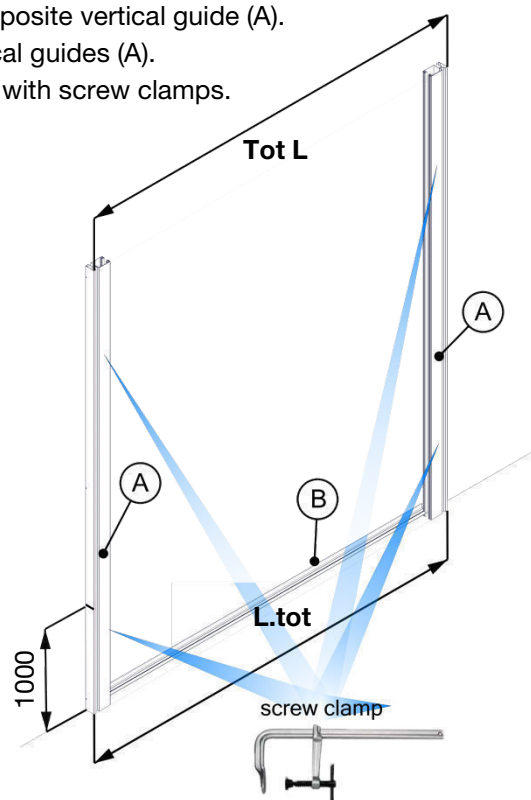
- the traced level is correct
- vertical guides (A) are in vertical position.
- distance (tot L.) over and under the guides (A) is the same.

**Information:**

Size (tot L.) is written in the drawing of the door.

tot L. = external distance between the vertical guides.

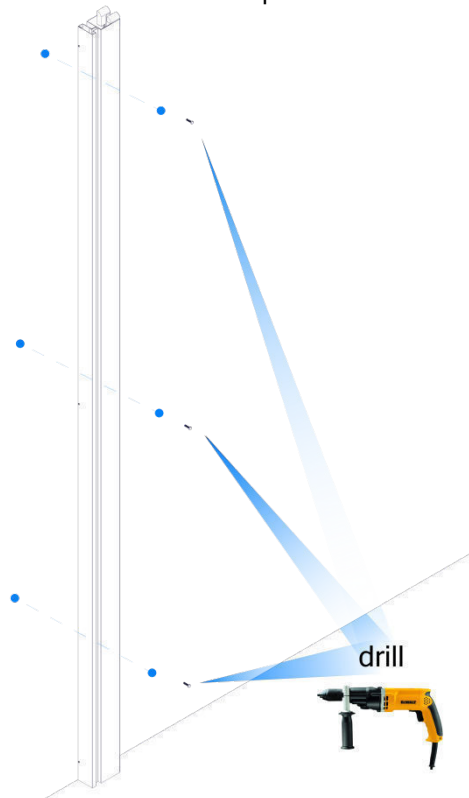
- Position the opposite vertical guide (A).
- Align the vertical guides (A).
- fix the position with screw clamps.



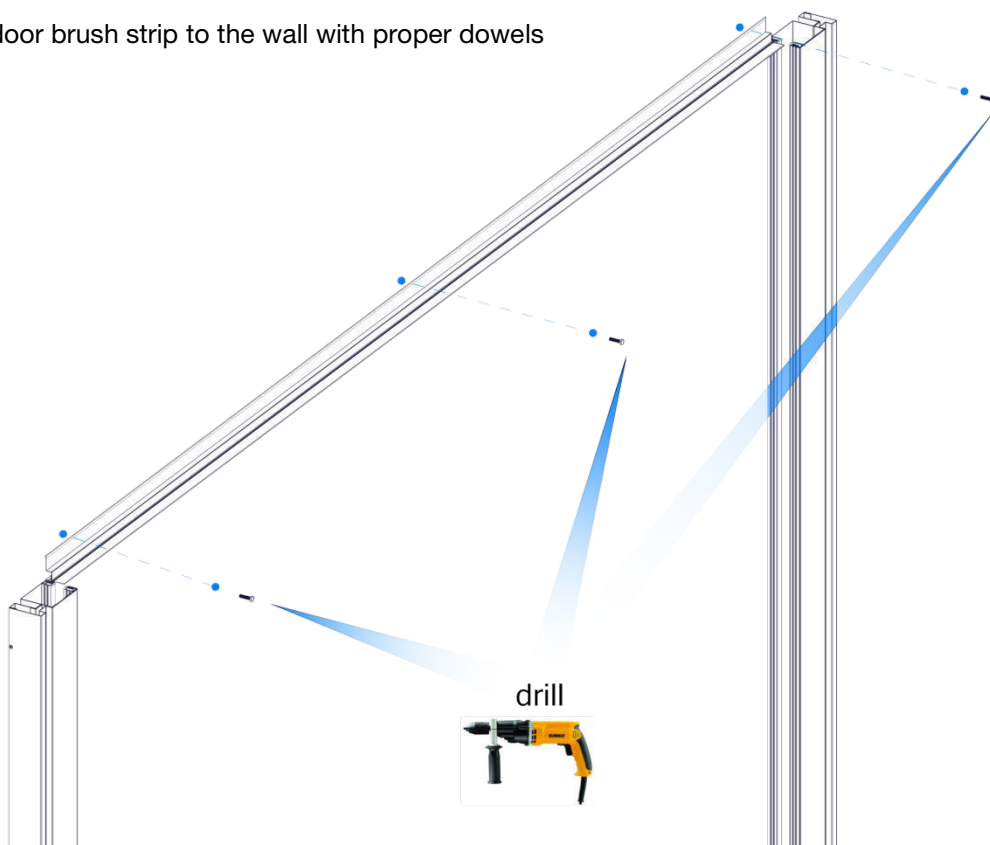
**Information:**

Screws and dowels are usually not included in the supply because they are provided by installers according to the type of surface they fix the door to .

- fix the vertical guides (A) to the wall with proper dowels.
- remove the screw clamps.



- Fix the door brush strip to the wall with proper dowels

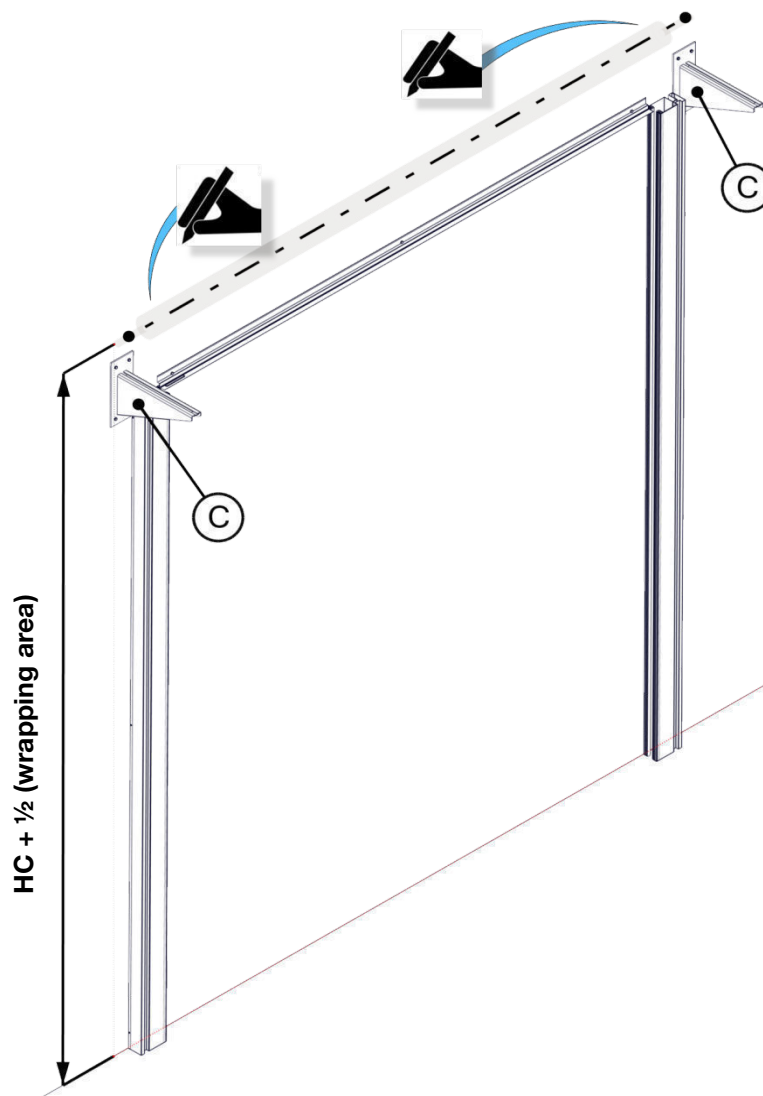


5.3 Assembly of the brackets

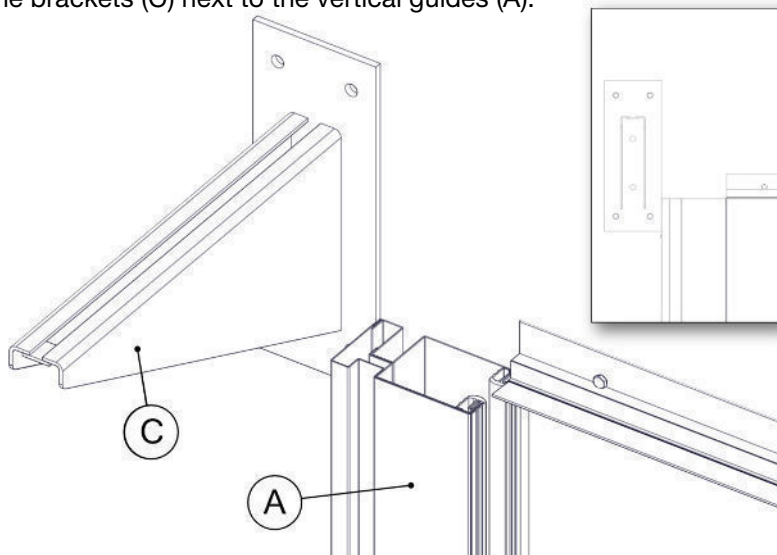
**Information:**

The correct positioning of the vertical bracket must be determined and marked during installation (C).

- Mark the position of the brackets (C).



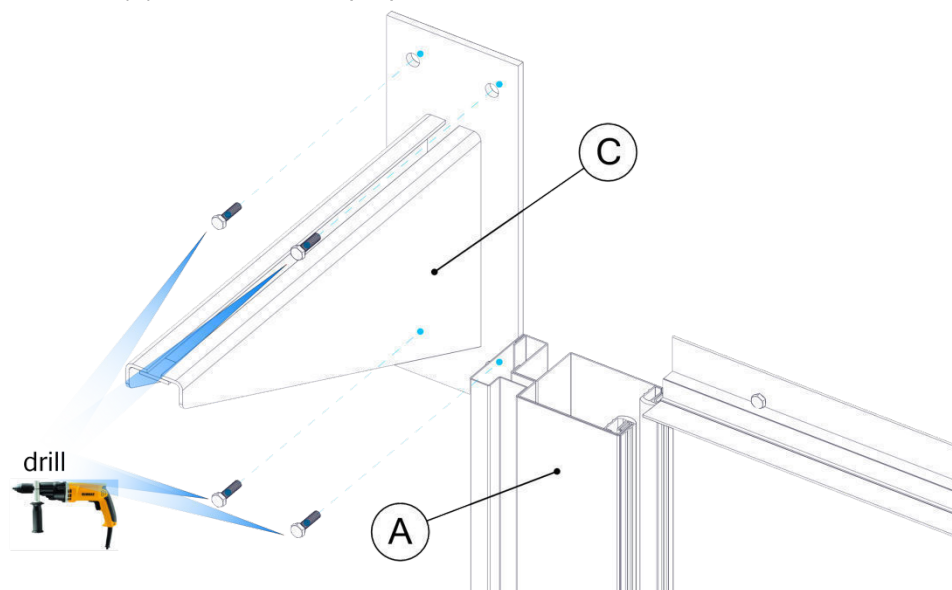
- Position the brackets (C) next to the vertical guides (A).



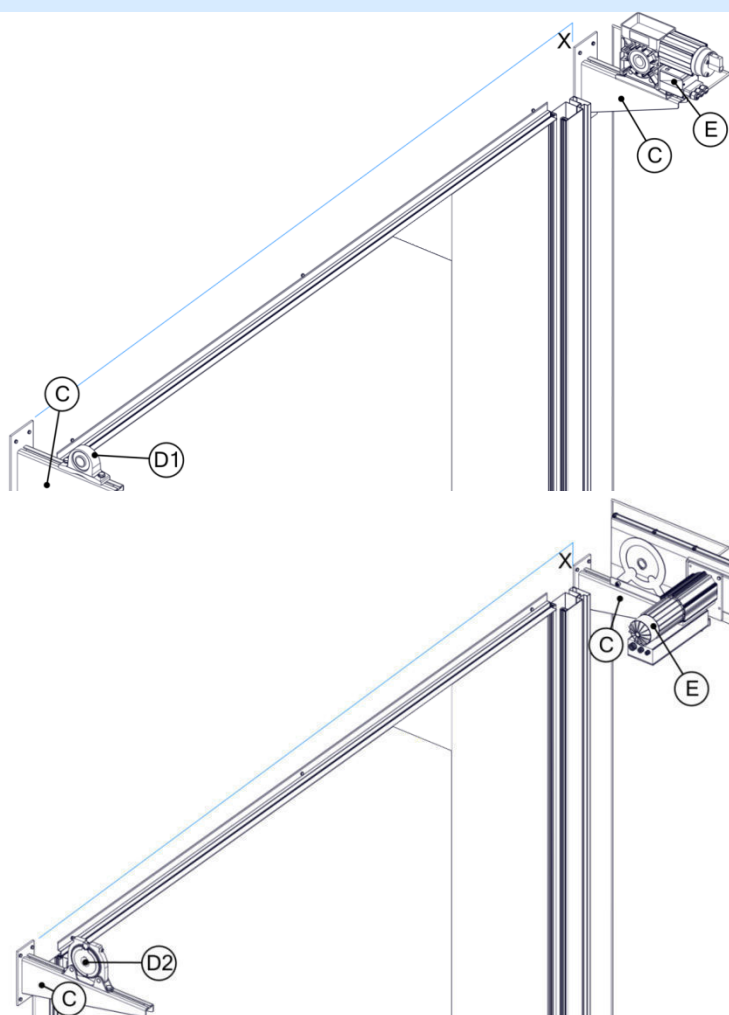
**Information:**

Fixing screws and dowels are usually not included in the supply because they are provided by installers according to the type of surface they fix the door to .

- Fix brackets (C) to the wall with proper dowels.

**Nota:**

Due to different sizes of the bearing (D1) (**MFZ motor**) or of the parachute (D2) (**EC motor**) and of the motor (E), when assembling the brackets take notice of the misalignment (X) between the motor side and the bearing/parachute.

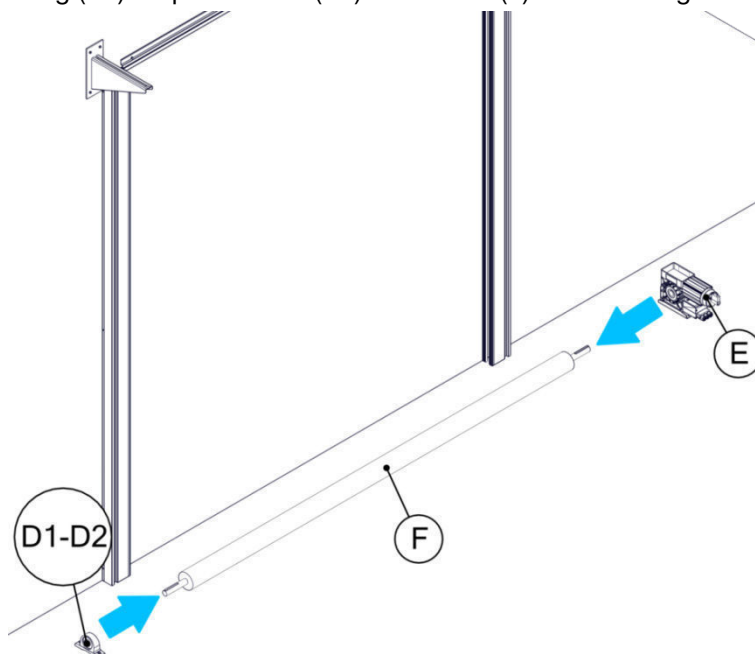


5.4 Assembly of the motor shaft

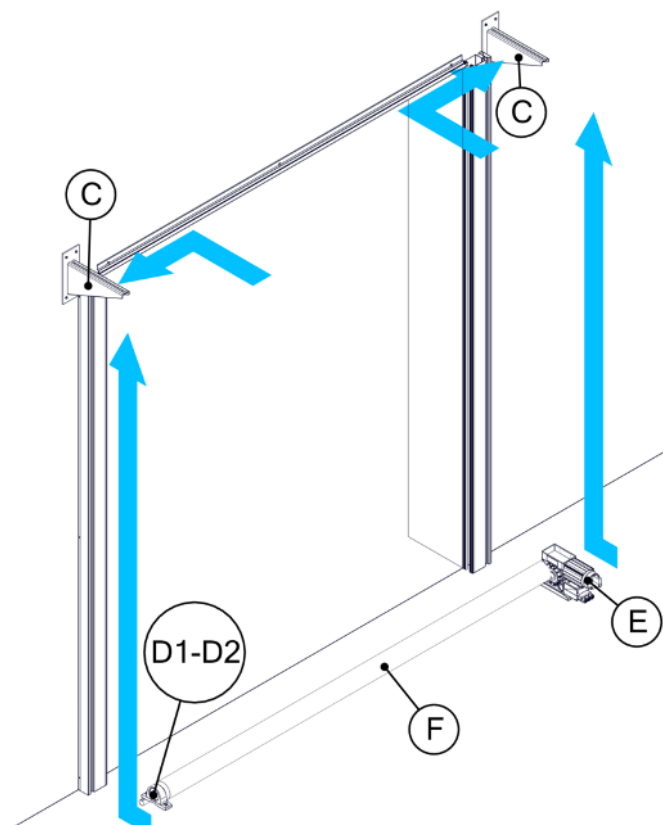

Note:

The ends of the rolling shaft (F) must be lubricated before inserting bearing (D1) (**MFZ motor**) or parachute (D2) (**EC motor**) and motor (E).

- Position the rolling shaft (F) at the opening.
- Lubricate the ends of the rolling shaft (F).
- insert bearing (D1) or paracadute (D2) and motor (E) on the rolling shaft (F).


Warning:

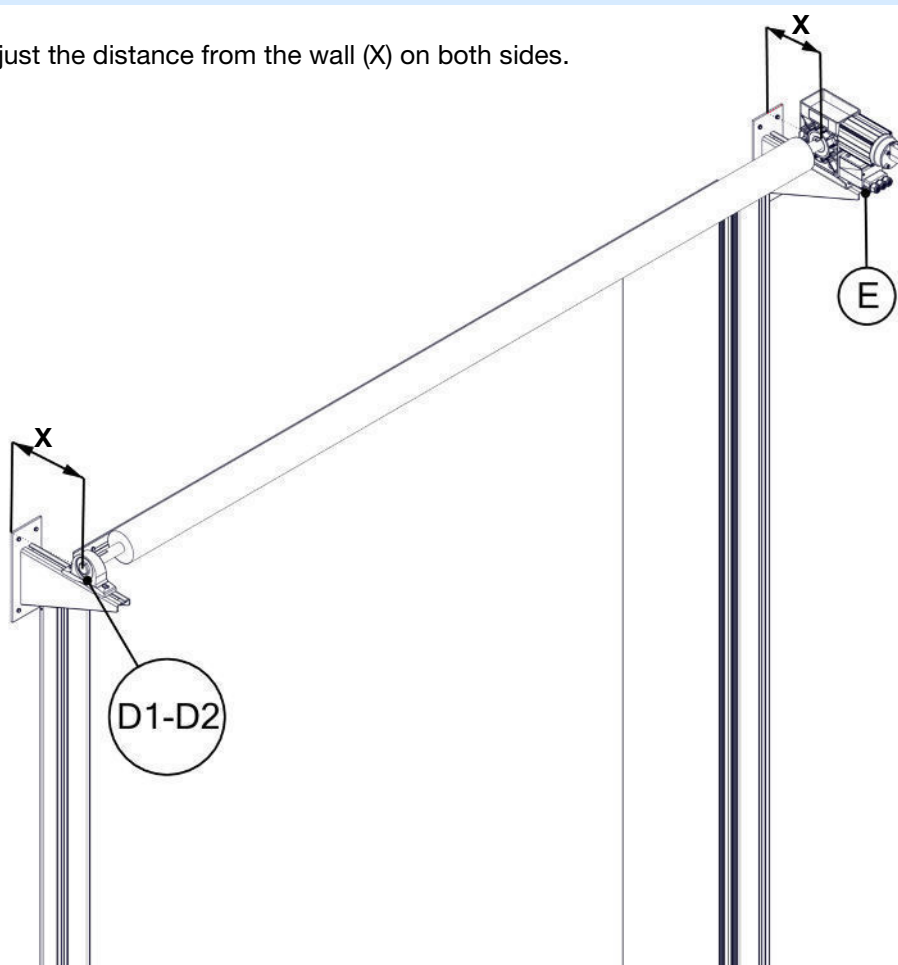
For safety reasons make sure nobody is under the shaft (F) until bearing (D1) parachute (D2) and motor (E) are firmly screwed on the brackets (C)



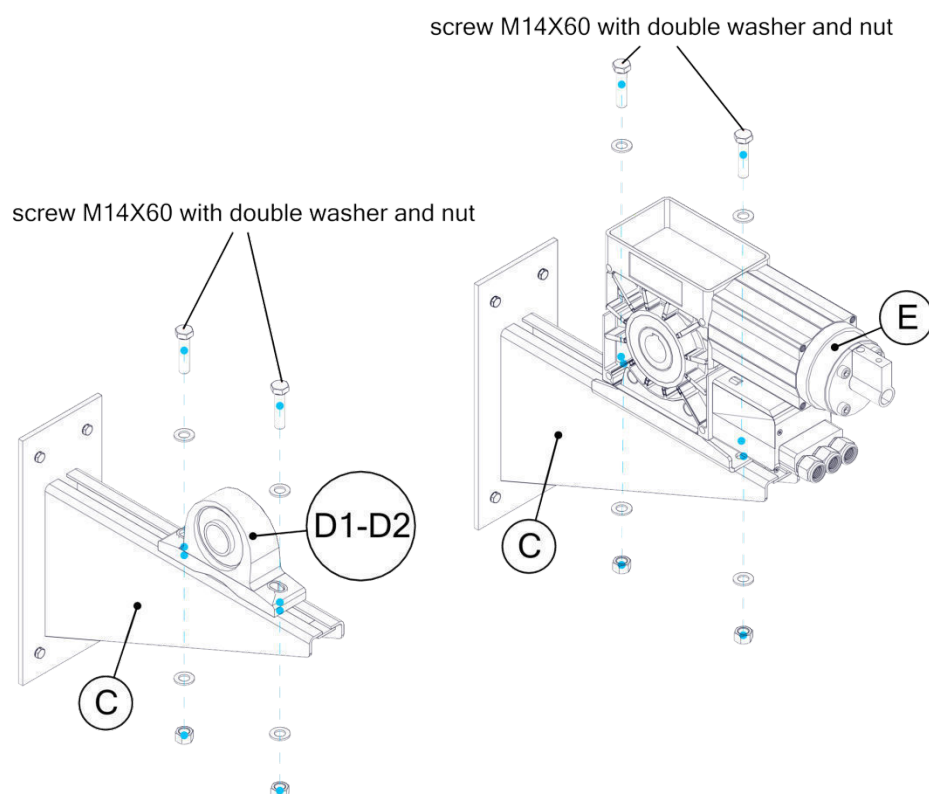
**Information:**

The correct distance between wall (X) and bearing (D1) or parachute (D2) and motor (E) must be determined during installation.

- Adjust the distance from the wall (X) on both sides.



- Screw on the brackets (C) the bearing (D1) or parachute (D2) and motor (E).

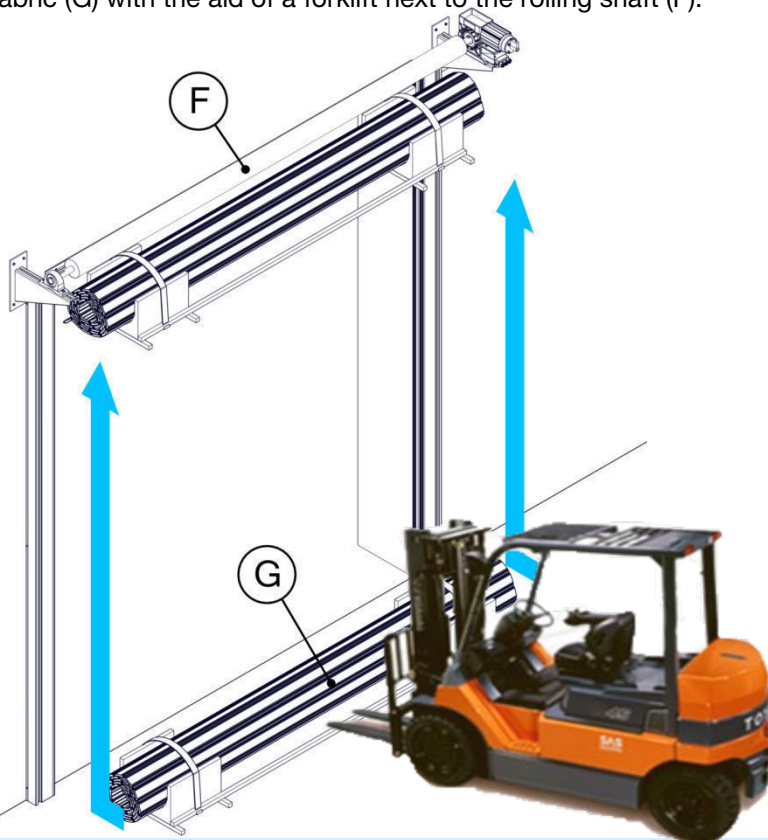


5.5 Assembly of the fabric

**Nota:**

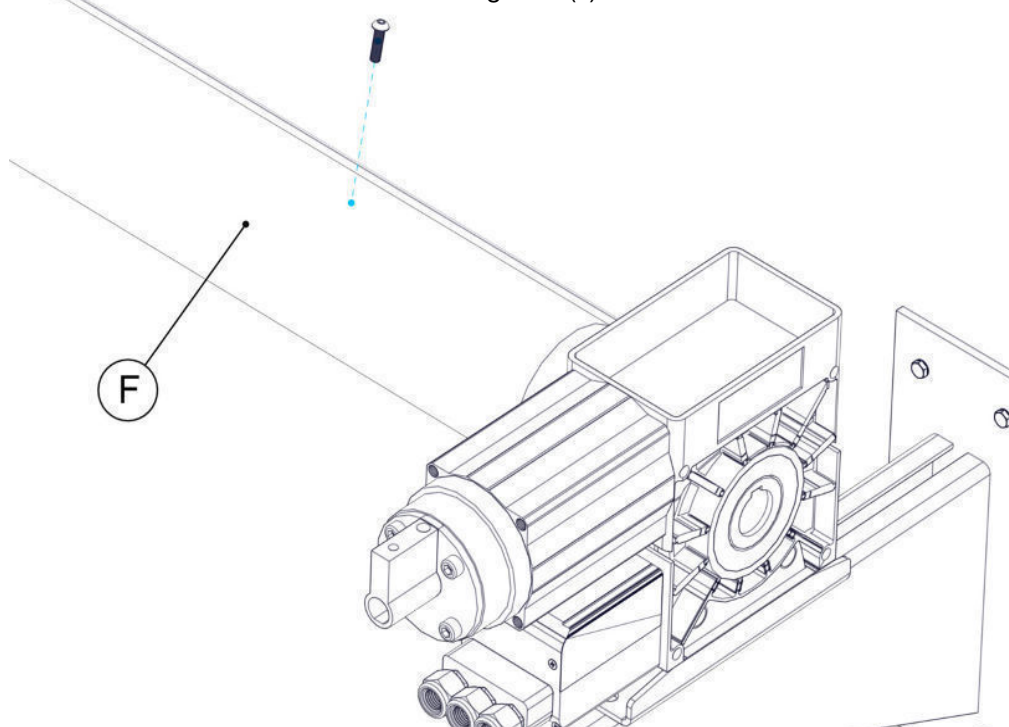
The fabric (G) must be positioned with unrolling direction towards the outside

- position the fabric (G) with the aid of a forklift next to the rolling shaft (F).

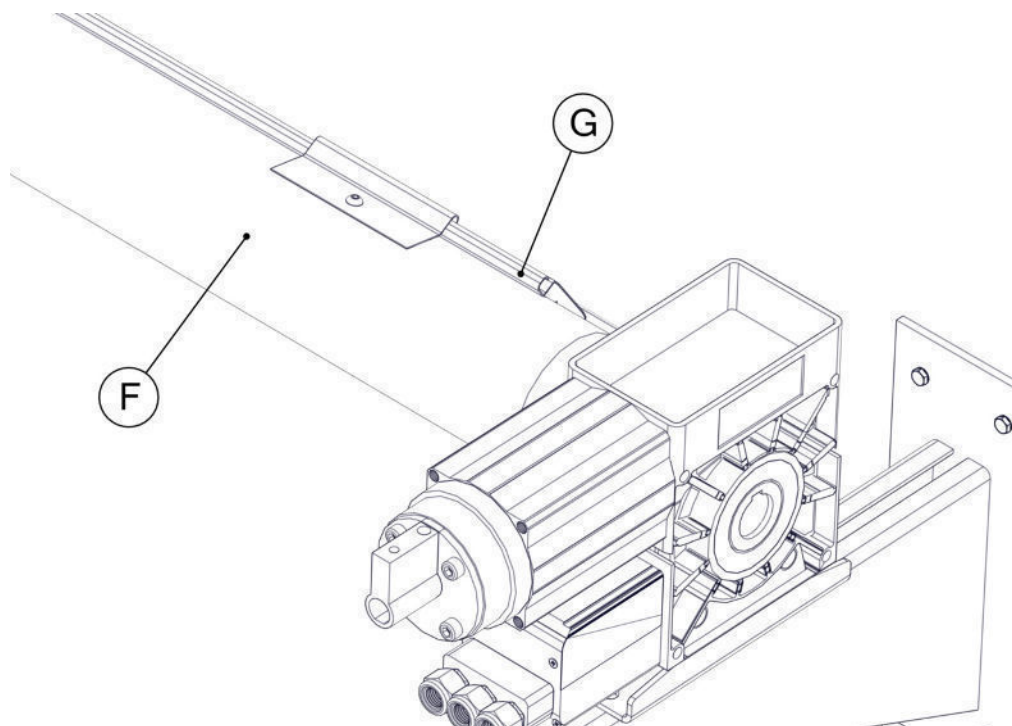
**Warning:**

For safety reasons nobody should stay under the fabric (G) until it is duly fixed to the rolling shaft (F) with proper fixing plates

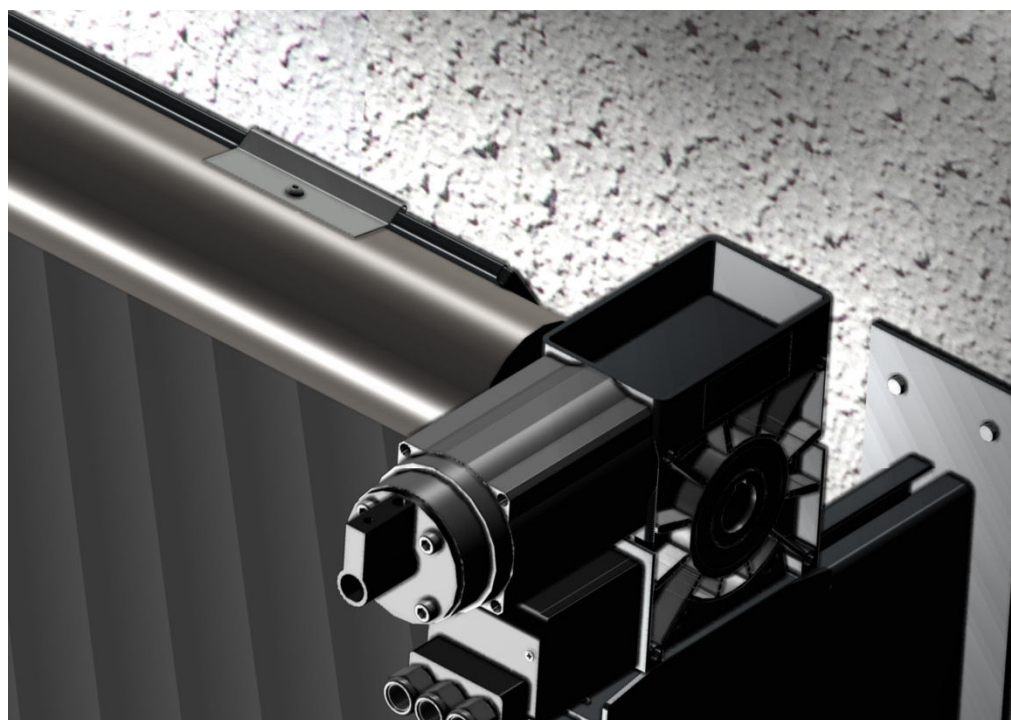
- Unscrew the 8x30 screws on the rolling shaft(F).



- rescrew 8x30 screws on the rolling shaft(F) fixing the plates on the fabric (G).



silhouette rendering

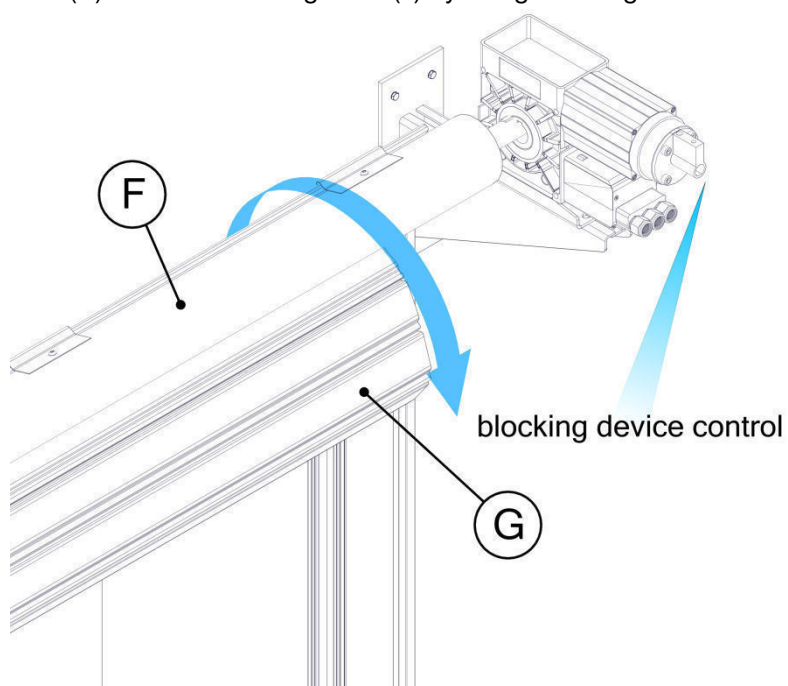


uniform rendering

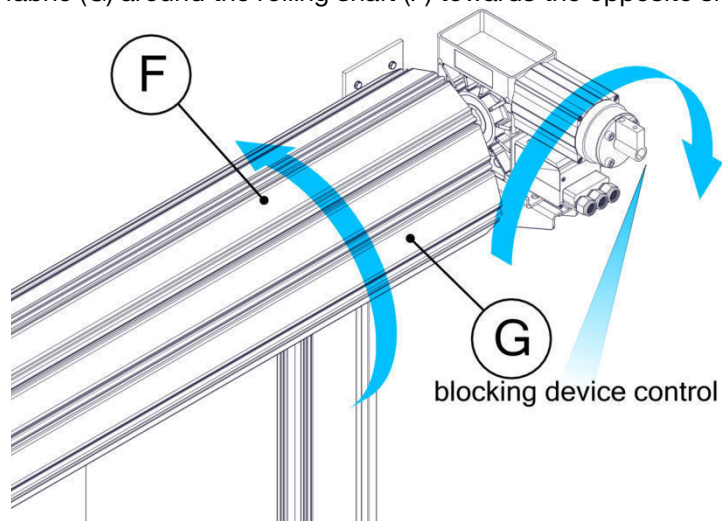
**Warning:**

For safety reasons do not remove blocking device from the fabric which prevents accidental unrolling of the fabric (G).

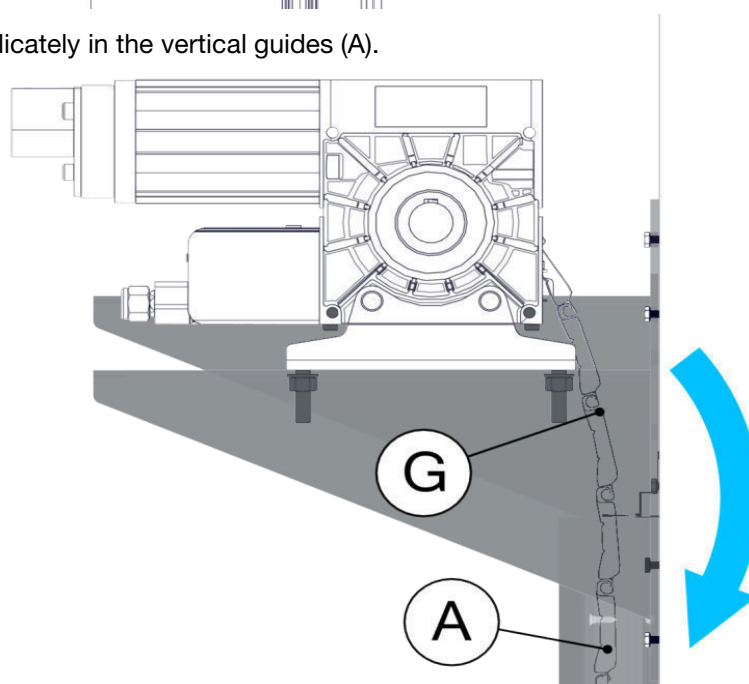
- roll the fabric (G) around the rolling shaft (F) by using blocking device control.



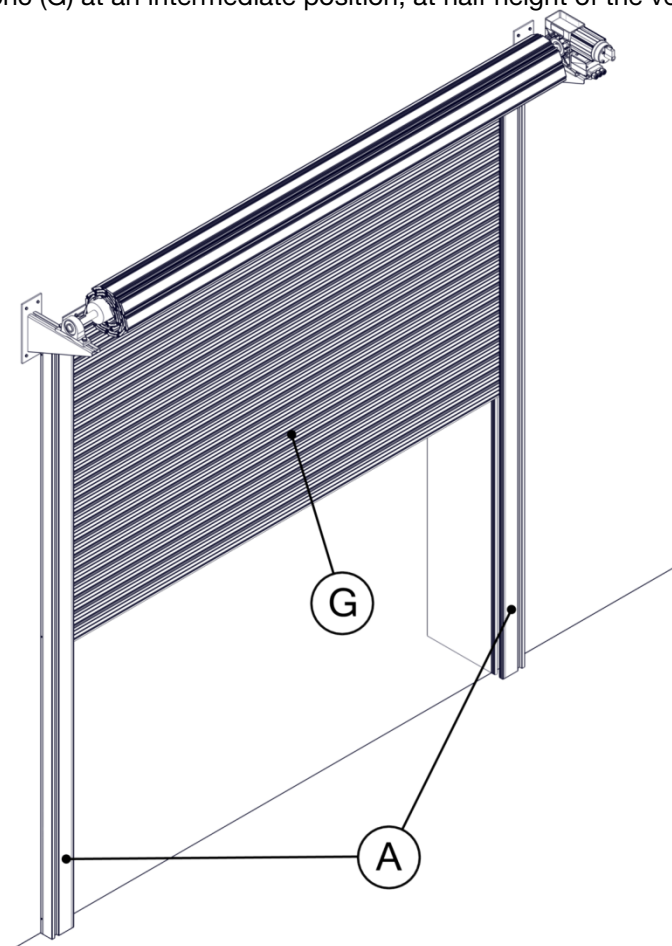
- Wrap the fabric (G) around the rolling shaft (F) towards the opposite side.



- Slip it delicately in the vertical guides (A).



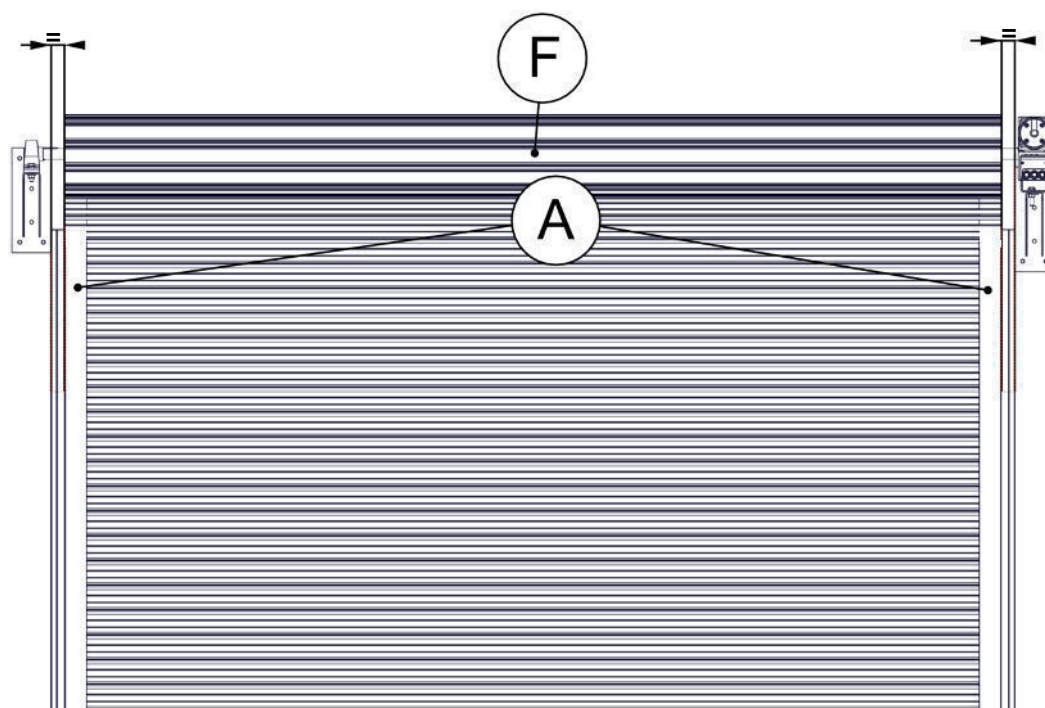
- unroll the fabric (G) at an intermediate position, at half height of the vertical guides (A).



Note:

In this position the fabric (G) must enter both vertical guides (A) perpendicularly. By moving the bearing (D1) or parachute (D2) and motor (E) on the brackets (C), this facilitates the operation

- Align the fabric (F) between the vertical guides (A).



5.6 Motor connecton


Information:

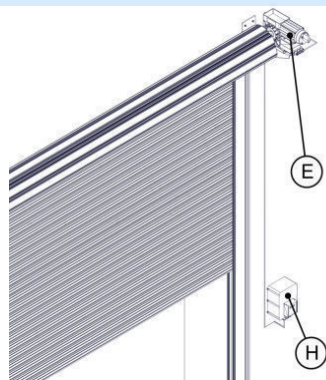
Specific manuals included in the supply are dedicated to motor and control panel connection.


Note:

Before connecting power supply to control panel check compatibility between motor and powerline.


Note:

Check the powerline which must be protected with a disconnecter according to standards in force.



5.7 Limit switch adjustment


Information:

To adjust limit switch you may refer to manuals regarding motor (E) and control box (H).


Note:

Final OPEN position must be adjusted in order not to allow panels to escape from the guides (A). The maximum OPEN position allowed is the one specified in the order.

- Adjust final OPEN position.


Note:

Final CLOSED position must be adusted to avoid crushing of the panels and closing profiles.

- Adjust final CLOSED position.

5.8 Final test


Note:

Once installation has been done the following inspections must be carried out:

- check final OPEN position.
- check final CLOSED position.
- check the fabric has been correctly inserted in the vertical guides (A).
- check that all safety devices have been connected to the door.

Once inspection has been successfully carried out the operator must be duly trained on how to operate the door in safety.

EN 13241.1 standard establishes correct procedures on how to carry out ordinary/extraordinary maintenance and other types of interventions.

**Note:**

These interventions must be carried out by **Kopron Spa** authorized personnel and recorded in a register otherwise guarantee will no longer be valid.

Ordinary maintenance must be carried out once a year.

Inspection must be carried out on the following:

- Functionality
- Noise
- fixing screws of the vertical guides (A) and brackets supporting the shaft (C)
- lubrication of the guides
- anti-crash system
- greasing of the bearings and parachute
- limit switch
- electric devices
- controls
- safety devices

Should any intervention be carried out by non-authorized personnel, guarantee will no longer be valid.

Maintenance and improvements must necessarily be carried out by specialized and skilled personnel who must always make a report of what has been done.

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the Italian National
football team



Quality Management System
UNI EN ISO 9001:2008 Certified
Applicable standard
UNI EN 1341-1



CERTIFICATIONS

Through certification Kopron offer a further guarantee on efficiency and quality of their products.



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