

## INSTALLATION

To ensure correct function and safe operation of the product, it is important to follow these instructions carefully. Keep these instructions for future reference and hand them over to any new user. The installation must be carried out in full compliance with the laws on health and safety at work and subsequent amendments and additions in force.

### INTENDED USE

The product is intended solely to the function of external roller blinds closed. Any other use is forbidden and use and, therefore, the manufacturer is not liable for damage to property and persons resulting from incorrect or improper use. Its installation and its adjustment should be performed by qualified personnel and in accordance with the instructions. Slight infiltrations of light between the slats the various plastic components are to be considered in the standard of the product. These infiltrations are accentuated with light colors.

### SAFETY INSTRUCTIONS FOR INSTALLATION

**GENERAL DANGER!** Remember that, during installation, you must always wear work gloves and safety boots.

**DANGER OF CRUSHING AND CUT!** During the movement, the opening of the packaging and the performance of the cloth in the guides to pay close attention.

**ERGONOMIC HAZARDS OF NATURE (FALL, TRIPPING ETC.)** The shutter must always be moved by at least two people and / or with the help of mechanical means to comply. Keep the work area always clean and free of objects on the floor.

**RISK OF ELECTRIC SHOCK!** It is necessary to verify that the installation of the network will be installed where the shutter is provided with grounding or that it meets the standards of the country in which it is installed.

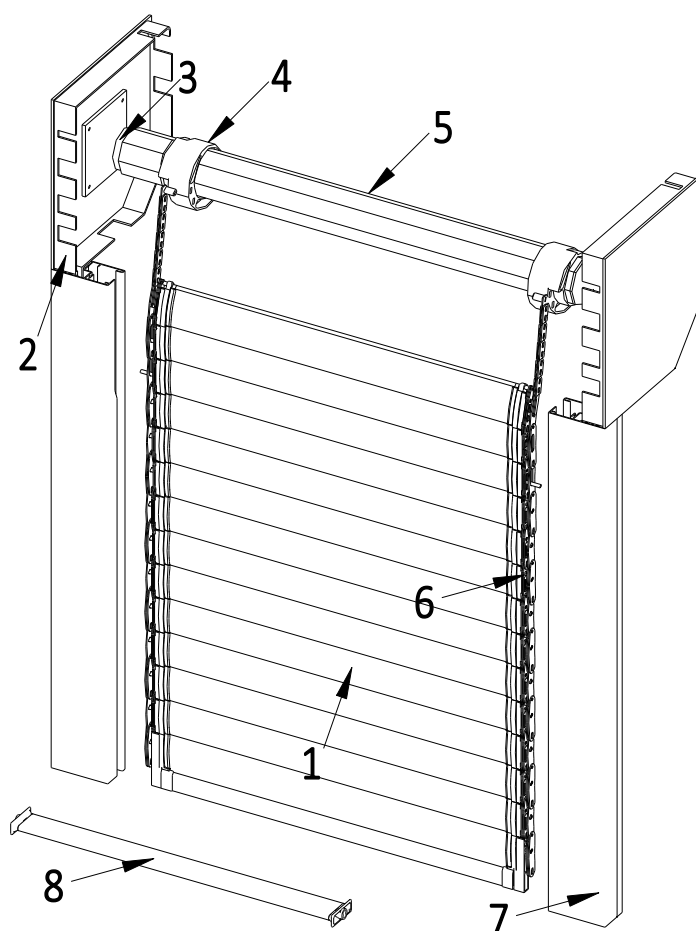
### IMBALLO

**Pack 1** - Standard non-waterproof packaging for each roller shutter containing the curtain assembled to the octagonal tube fitted with engine, belt, roller wrap and cap.

**Pack 2** - Standard non-waterproof packaging for each pair of guides in the order and template for each width of shutter in the order.

**Pack 3** - Hardware needed for installation, documentation and if any commands for the motors.

**NOTE:** The documentation is unique for the entire order.



### LEGENDA

1. Blind
2. End cap
3. Motor
4. Winding roller
5. Winding tube
6. Mechanism
7. Guide
8. Template

THE BRACKETS FOR CONNECTING WINDING TUBE AND ENDCAPS, ENDCAPS, CARTERS AND ELECTRICAL COMPONENTS ARE EXCLUDED FROM THE SUPPLY.

THE COMPANY RESERVES THE RIGHT TO MAKE MODIFICATIONS WITHOUT ANY WARNING.

THE UPDATED DOCUMENTATION IS AVAILABLE ON THE DOWNLOAD SECTION OF THE WEBSITE [www.rolltek.it](http://www.rolltek.it).

## 1 - PRE-INSTALLATION CHECKS

Check that the dimensions of the shutter assembled on the end caps and on the carter are appropriate for the wall opening and for the type of installation

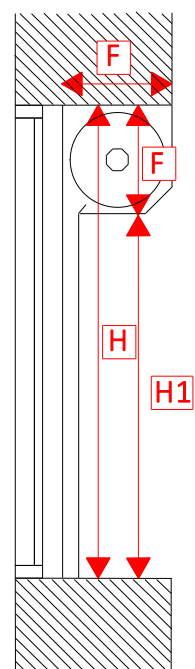
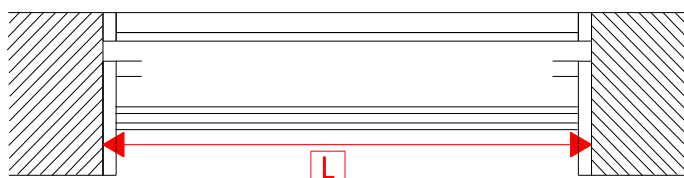
L = architectural light width

H = architectural light height

H1 = height between the threshold and the lower side of the end cap

F = dimension of the side of the end cap

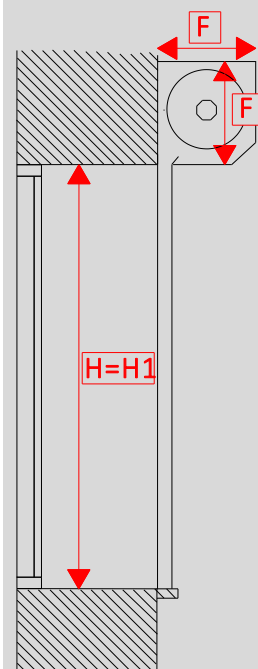
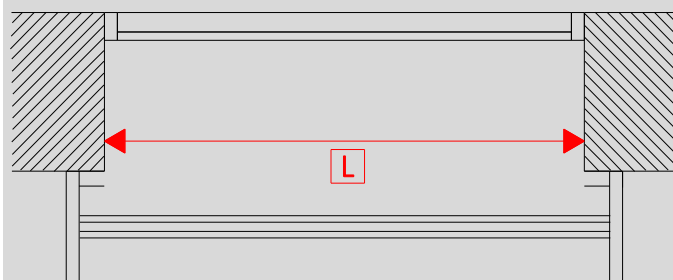
### INSTALLATION INSIDE THE WALL OPENING



$$H = H1 + F$$

| F       | H             |
|---------|---------------|
| 250x250 | Up to 2200 mm |
| 300x300 | Over 2200 mm  |

### INSTALLATION OUTSIDE THE WALL OPENING



$$H = H1$$

| F       | H             |
|---------|---------------|
| 250x250 | Up to 2000 mm |
| 300x300 | Over 2000 mm  |

## 2 – GUIDE DRILLING

In the case of installation of the shutter inside of the wall opening, they must not be drilled because the holes are drilled at the factory.

If the installation is external to the wall opening, drill holes, with a diameter appropriate to the screws used and the type of support on which they are fixed, at the positions shown on the figure Fig.01 and on the table T01. The holes must be equidistant from each other.

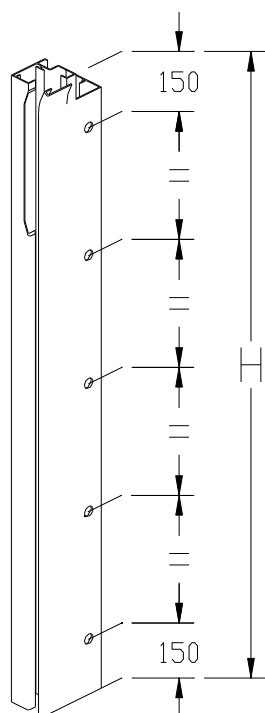


Fig.01

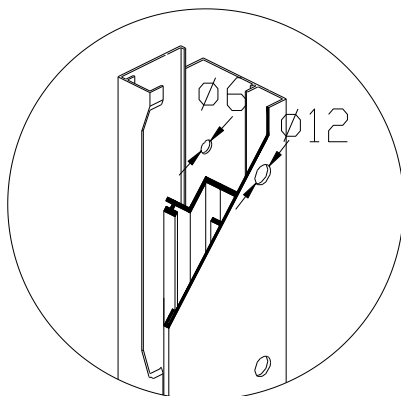


Fig. 01A

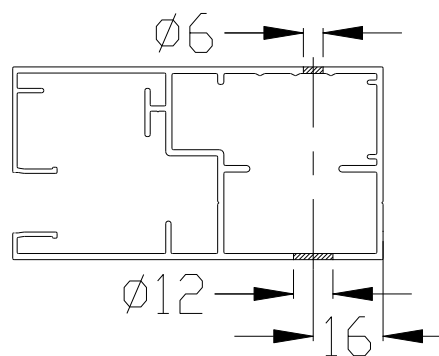


Fig. 01B

Tabella T01

| Number of holes | H             |
|-----------------|---------------|
| 3               | Up to 1300 mm |
| 4               | Up to 1900 mm |
| 5               | Up to 2500 mm |

### 3 – ASSEMBLY SUPPORTS ON END CAPS

Assemble the supports for the engine and for the bearing, locking them with screws, as shown in Fig. 02.

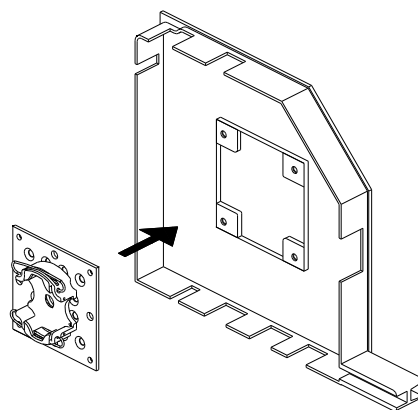


Fig. 02

### 4 – ASSEMBLY OF BOX AND GUIDES

Assembly the end caps to the back of the carter, fix them with screws, and slot the pegs of the end caps on the guide channel, as shown in Fig. 03.

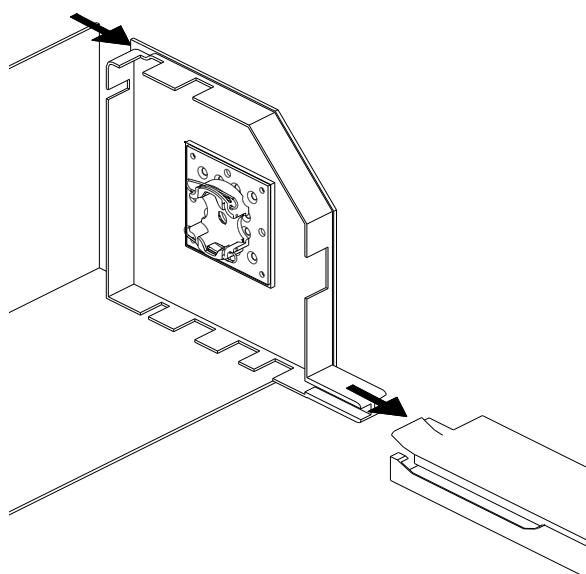


Fig. 03

## 5 – POSITIONING BOX AND GUIDES

Place box and guides inside the wall opening, if the installation is internal to the same (Fig.04), or on the facade, if the installation is outside (Fig.05), making sure that it is perfectly leveled. Using the template provided, check at least three points in height that the distance between the guides is the same (Fig.06). Place the template on the guides with the part highlighted by the arrow (Fig.06) without interlocking it in the rail.

### INSTALLATION INSIDE THE WALL OPENING

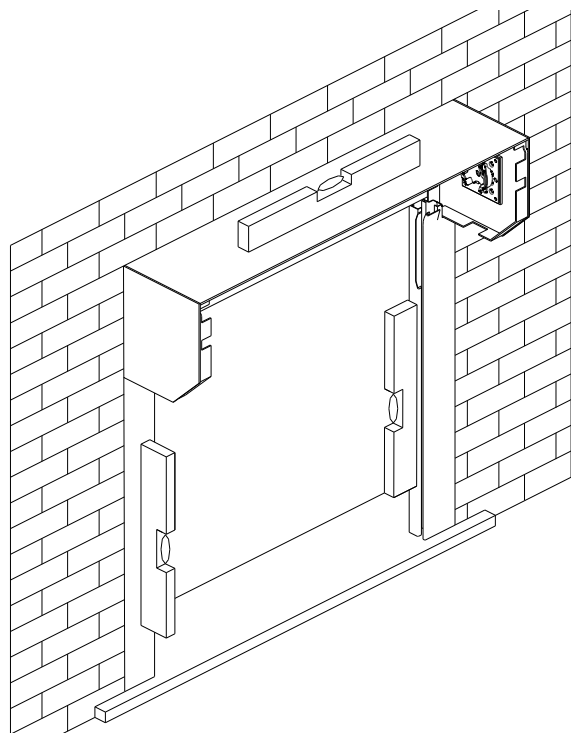


Fig.04

### INSTALLATION OUTSIDE THE WALL OPENING

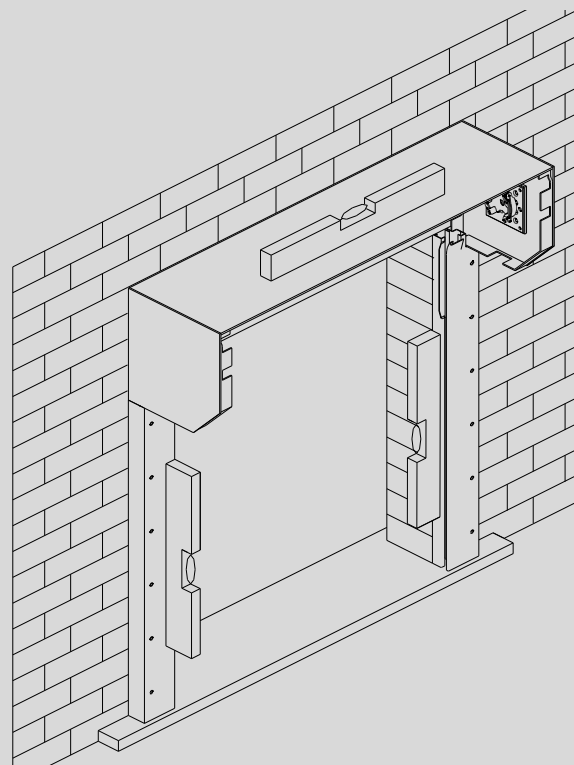


Fig. 05

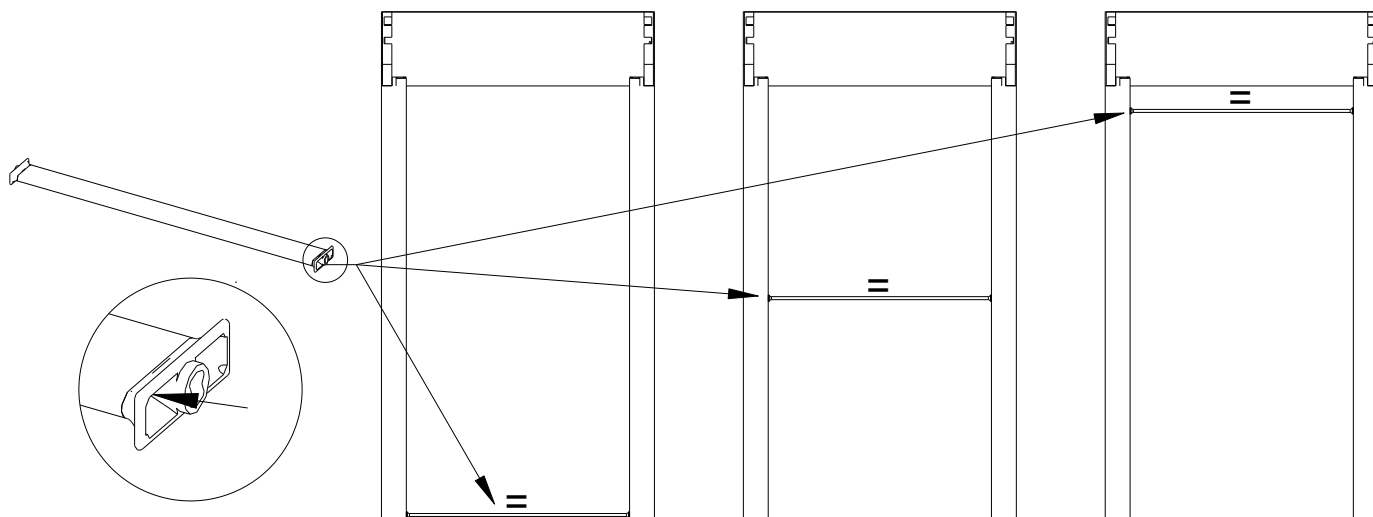


Fig.06

## 6 – FIXING BOX AND GUIDES

Drill the holes for inserting the screws suitable for fixing the frame to the wall, as shown in Fig.07 in the case of installation inside the wall opening and in Fig. 08 for external installation. Fix the guides to the wall opening with screws of appropriate diameter and length for the type of support. Be very careful not to create twists in the guides when fixing them (see Figs. 09 and 10).

## INSTALLATION INSIDE THE WALL OPENING

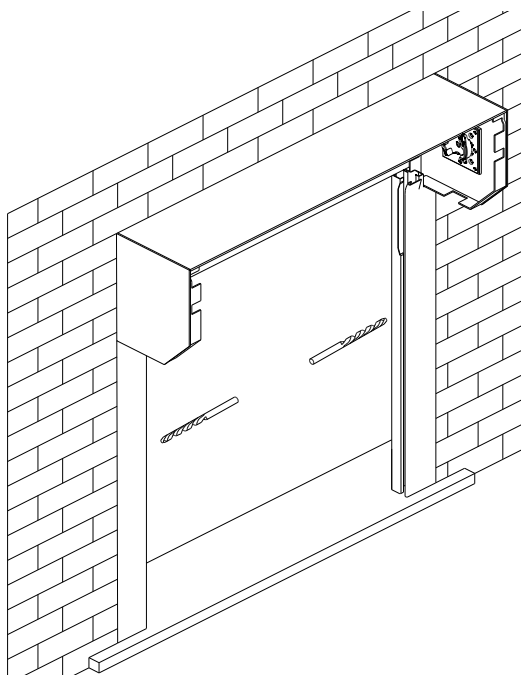


Fig.07

## INSTALLATION OUTSIDE THE WALL OPENING

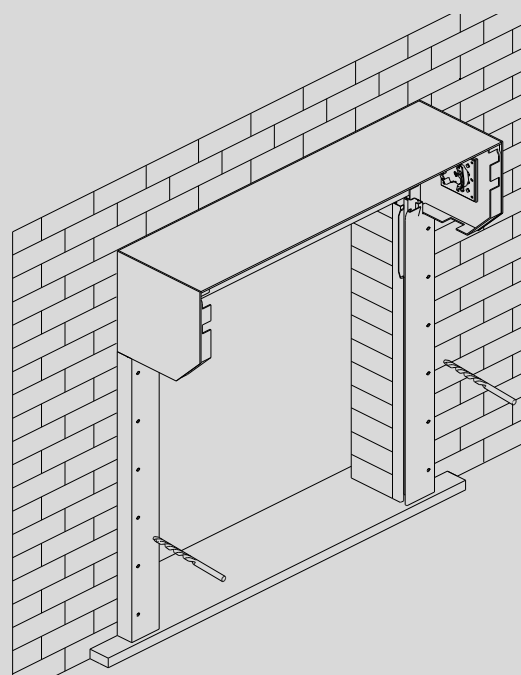


Fig. 08

## INSTALLATION INSIDE THE WALL OPENING

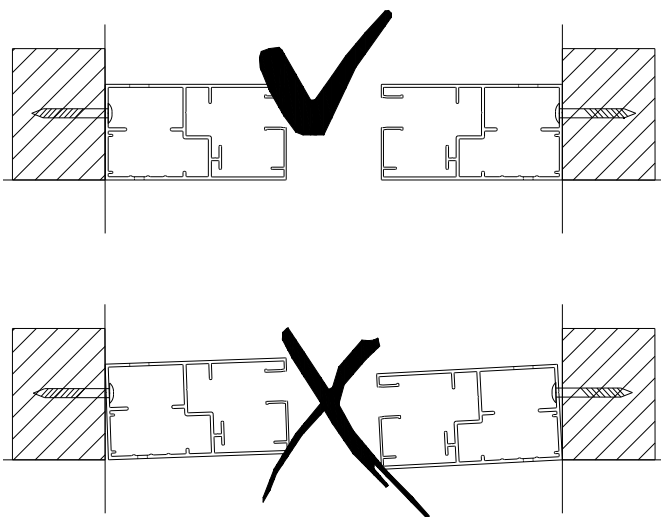


Fig.09

## INSTALLATION OUTSIDE THE WALL OPENING

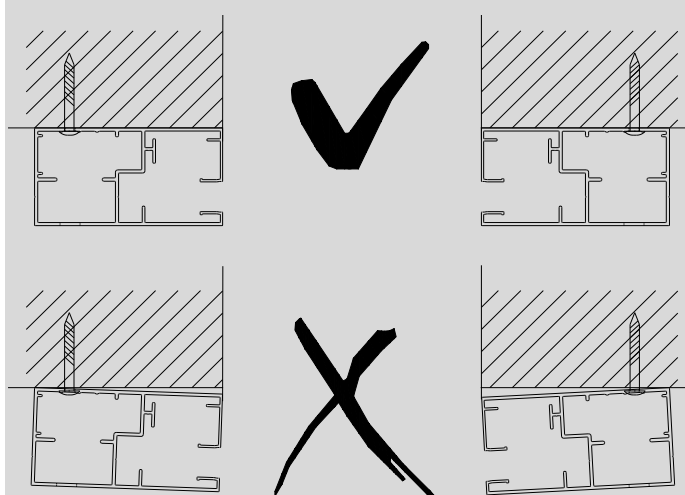


Fig. 10

Proceed to attach the box to the wall opening. In the case of installation inside the wall opening, the fixings must be made on the internal side of the end cap as shown in Fig. 11. In the case of installation outside the wall opening, the fixings must be made on the internal wings of the end cap as shown in Fig. 12.

**NOTE** The company is not responsible for any malfunctions or damage caused to persons or property due to failure of the guides and / or the box due to incorrect choice of fasteners

## INSTALLATION INSIDE THE WALL OPENING

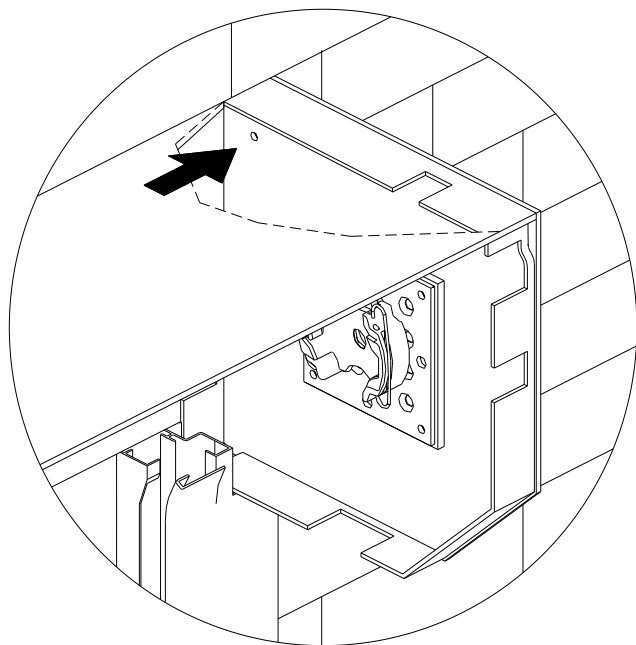


Fig. 11

## INSTALLATION OUTSIDE THE WALL OPENING

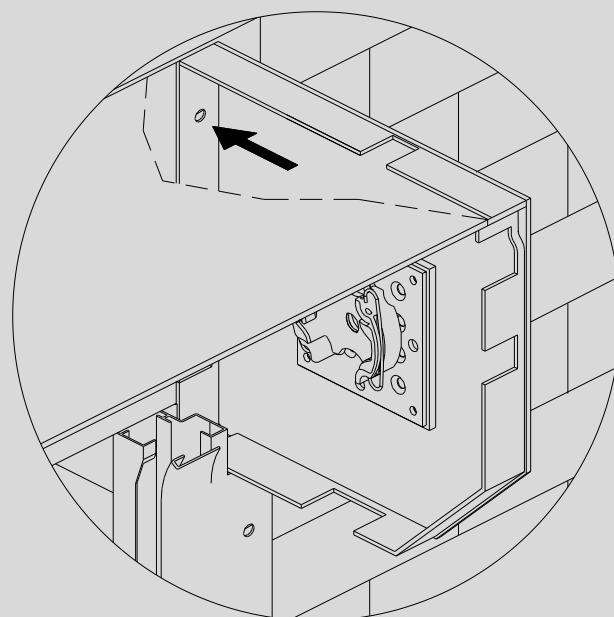


Fig. 12

## 7 – INSERTING SHUTTER

Insert the shutter, wrapped around the octagonal tube, inside the box positioning the pin of the telescopic plug inside the bearing previously mounted on its support (Fig. 13).

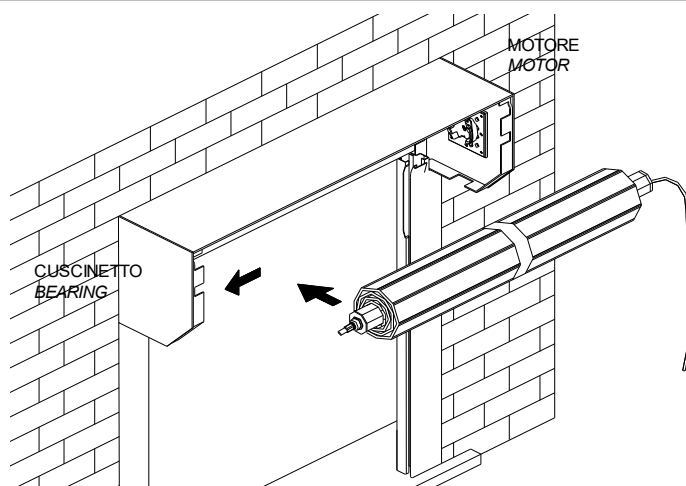


Fig. 13

Push the shutter to the side with the bearing support so as to retract the pin of the telescopic plug. Insert the motor head inside the appropriate support mounted on the opposite side (Fig. 14 and 15).

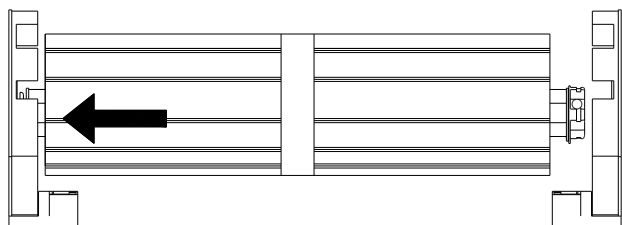


Fig. 14

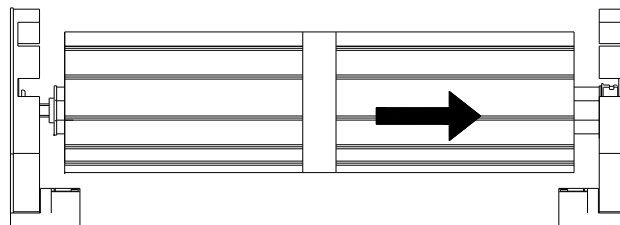


Fig. 15

Lock bearing and motor on the respective supports.  
Tighten the bolt on the telescopic cap pin.

## 8 – ELECTRICAL CONNECTIONS

Remove the tape and connect the motor to the power network. The connection diagram is described in the instruction manual of the motor manufacturer. Connect radio control and motor or proceed to the electrical connections for setting with white wire.

## 9 – SHUTTER ADJUSTMENTS

Insert the shutter inside the guides (Fig. 16) and lower it until the slats have been compacted (Fig. 17).

Adjust the position of the winding roller so as to center the curtain between the guides and make the terminal chains perfectly vertical (Fig. 18), proceeding as follows:

1. release the bolts (A);
2. move the rings to the right or left;
3. wrap the shutter to check the alignment;
4. replace the shutter with compacted slats;
5. lock the bolts (A).

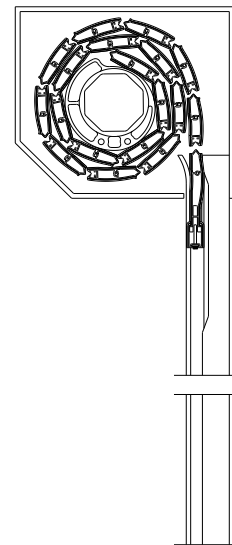


Fig. 16

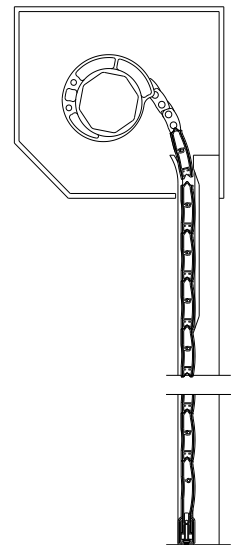


Fig. 17

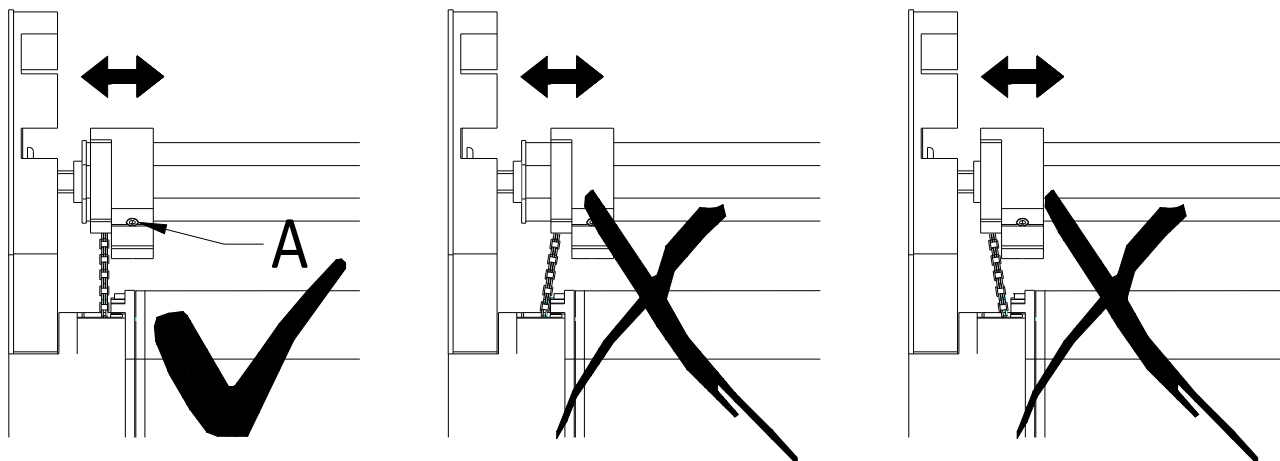


Fig. 18

NOTE: Centering of the shutter between the guides is important for the correct functioning of the exchanger shown in fig 19 part. 01

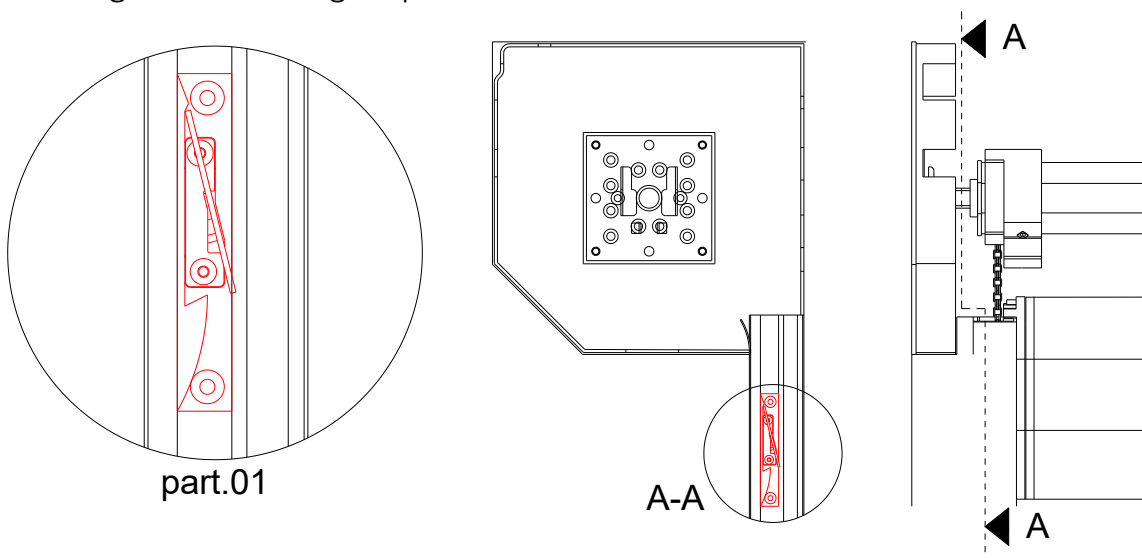


Fig. 19

## 10 – LIMIT SWITCHES ADJUSTEMENT

Adjust the limit switches and tilt as described in the simplified sheet for motor setting

### WIRING

The wiring diagrams and installation instructions for the connection of the motors and the use of remote controls are described in the manuals of the respective manufacturers. All the installation of electrical equipment must be made with the power off and must be performed in compliance with the regulations and only by qualified personnel. Check for grounding system and / or its compliance with the laws of the country in which it is installed.

### SAFETY INSTRUCTIONS FOR USE

**GENERAL DANGER!** Make sure that the shutter is free to move before triggering

**DANGER OF CRUSHING!** Pay attention to risk being crushed in the open space between the terminal and the sill during descent. Do not put obstacles and make sure that there are people within a radius of movement of the shutter.

**DANGER OF CRUSHING AND CUT!** During the drive to keep at a distance from the shutter. Care must be taken during the rotation of the blades.

**GENERAL DANGER!** Do not operate the shutter in the presence of ice on the article.

**GENERAL DANGER!** The use of the shutter is forbidden to children.

### SETTING AND USE

The setting and the use procedures with the radio control and the switch are shown in the instruction sheets of the same.

### TIPS FOR SAFE OPERATION

Do not foresee such maneuvers to force the opening, closing, and the orientation manually, however, take any action which may interfere with the normal operation of the product. Any automated handling and / or controlled by the remote must be used safely and according to instructions provided by the manufacturer of the command. To avoid possible electrical hazards and EMC use only components comply with the directives and regulations in the country in which the shutter is installed.

### ROUTINE CLEANING AND MAINTENANCE

Periodically regular cleaning with non-aggressive products: Make sure that the cleaning agent used does not have contraindications to the component to be cleaned. Schedule periodic cleaning of the shutter: in a very dusty environment may result in the accumulation of dust in the groove of the sliding mechanism due to malfunction.

Do not lubricate with oil or grease.

### INSTRUCTIONS FOR MARKING

Compliance with the Directives of the shutter and European regulations is demonstrated by appending the winding tube of the nameplate and the delivery of the declaration of performance.

### REQUIREMENTS FOR DISPOSAL

The packaging for the protection of the product must be disposed of in a separate collection system as non-hazardous waste. Each component must be disposed of in a separate collection system as required by current legislation.

### INCONVENIENTI, CAUSE, RIMEDI

**IF YOU HAVE TO REMOVE THE ROLLER SHUTTER FROM THE BOX, REMEMBER TO BLOCK THE SLATS IN UNPACKED MODE WITH TWO OR THREE OF TAPE FOR PACKAGING FROM THE OUTSIDE OF THE SHEET.**

**THE SHUTTER DOES NOT MOVE.** Ensure that the power supply is in voltage and / or contact a technician to check the electrical system.

**THE SHUTTER DOES NOT STOP AT THE DESIRED POINT** Readjust the position of the limit switch or call a technician to check their position.

**ALL OR PART OF THE ADJUSTABLE SLATS NOT ORIENTED OR NOT CLOSE PROPERLY.** On the side mechanism are some screws overly tight (a few screws bind together the steel rods and some screws are inserted into the blade profiles).

Release ¼ turn these screws. If the fault persists, the mechanism was damaged and there are one or more steel rods bent.

**ANOMALOUS NOISE IN THE BOX DURING ROLLER** The terminal chains that connect the blind to the winding tube are not properly aligned. To align act on the side winding rollers.

**THE SHUTTER, FULLY WRAPPED IN BOX, DO NOT ROLL DOWN AND IT STUCK INSIDE THE BOX** When the shutter is all wrapped up in the box must be visible the positioner profile, the compensating profile and half of the last adjustable slat. Correct the upper limit switch end so as to restore the condition.

### MANUFACTURER CONTACT

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