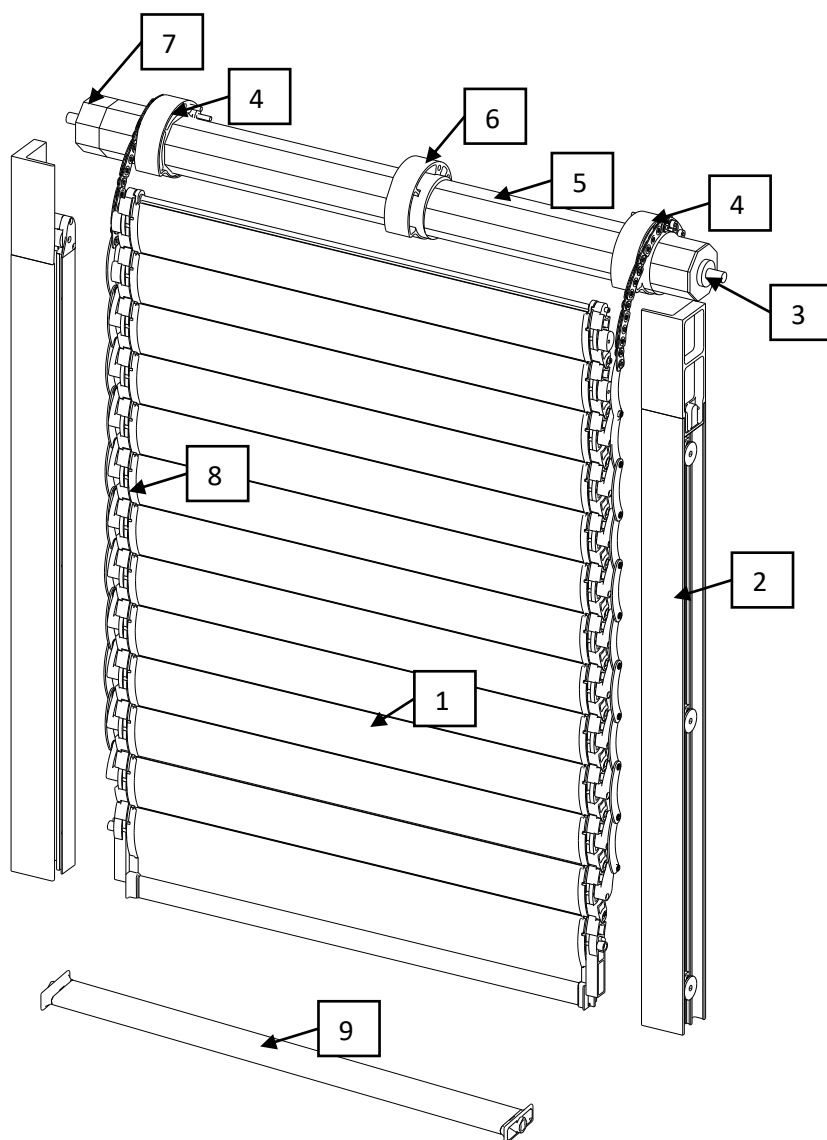




LEGEND:

1. Curtain
2. Guide
3. Winding tube plug
4. Side winding roller
5. Winding tube
6. Central winding roller
7. Electric motor
8. Movement chain
9. Template

PACKING:

Package 1 – Blind and accessory bag.

Package 2 – Octagonal tube with motor, strap, winding rollers and bearing plug.

Package 3 – Guides with rules, ed plastic guide, template.

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.

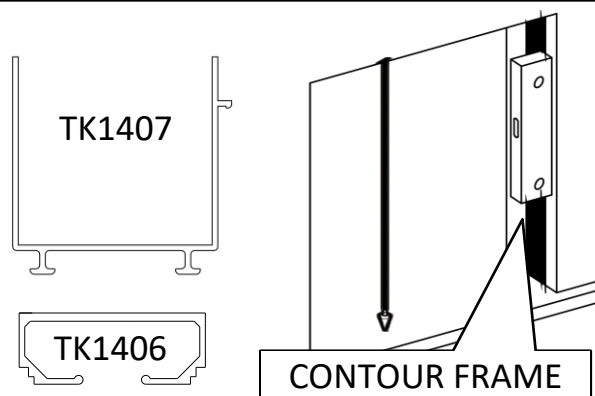
THE SUPPORT BRACKETS FOR WINDING TUBE, THE BEARING AND ELECTRICAL COMPONENTS ARE EXCLUDED FROM THE SUPPLY.

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

THE UPDATED DOCUMENTATION IS AVAILABLE ON THE DOWNLOAD SECTION OF THE SITE WWW.ROLLTEK.IT

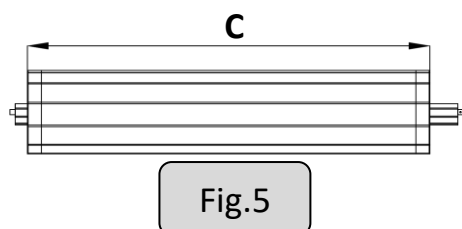
PRE-INSTALLATION CHECKS

1 For a quick installation and optimal operating of shutter, it is recommended to use a dedicated the counter frame TK1407 in the case of embedded guides and the counter frame TK1406 in the case of not embedded guides.

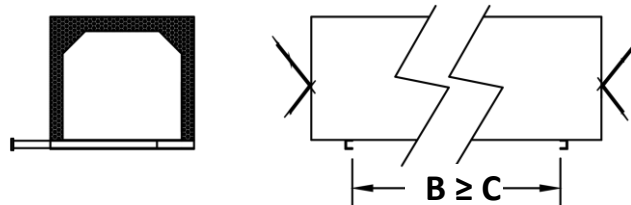


2 Check that the distance between the two counterframes on which the guides must be installed is equal to the length supplied during the order (measure on the packaging) plus the tolerance of laying in operation "T" of 5 mm.

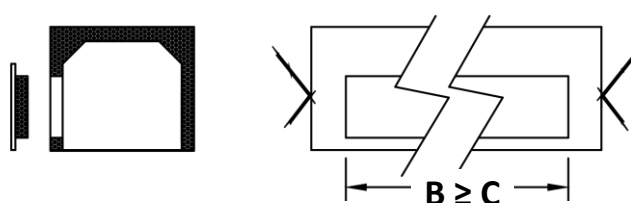
3 Verify that the opening "B" of the box is not less than the width "C" of the shutter shown in Fig.5.



BOX WITH LOWER INSPECTION PANEL



BOX WITH FRONT INSPECTION PANEL



4 Adjust the supports of the winding tube inside the box , as per the values X and Y , shown in table 1, according to the values of height H1 of the shutter.

NB. The X and Y dimensions are suggested minimum. In case of necessity may be increased by up to 15 mm.

LEGENDA

Ø = Diameter of shutter roll when rolled up

X = Distance of the axis of the winding tube from the outer edge of the guide profile

Y = Distance of the axis of the winding tube from the upper end of the guide

Hag = Aluminum guide height

H3 = Y + Hag = Height between the threshold and the axis of the winding tube

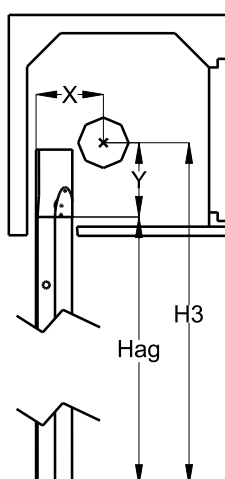


Table 1 (measured in mm)

H1	Ø	X	Y
1200	195	108	120
1400	215	118	120
1600	220	120	120
1800	235	128	120
2000	250	135	120
2200	252	136	130
2300	255	138	130
2400	265	143	130
2500	275	148	130
2600	285	153	140
2700	290	155	140
2800	295	158	150
2900	300	160	160
3000	305	163	160

FITTING OF GUIDE PROFILES

5 Carry up in the lower wall (Fig. 6) or in the lower panel (Fig. 7) of the box two cutouts whose dimensions allow easy insertion of the guides.

BOX WITH FRONT INSPECTION PANEL

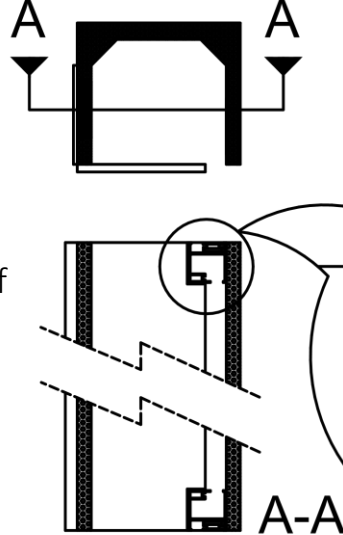


Fig. 6

BOX WITH LOWER INSPECTION PANEL

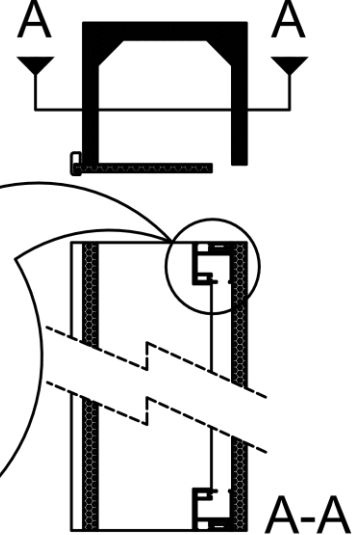
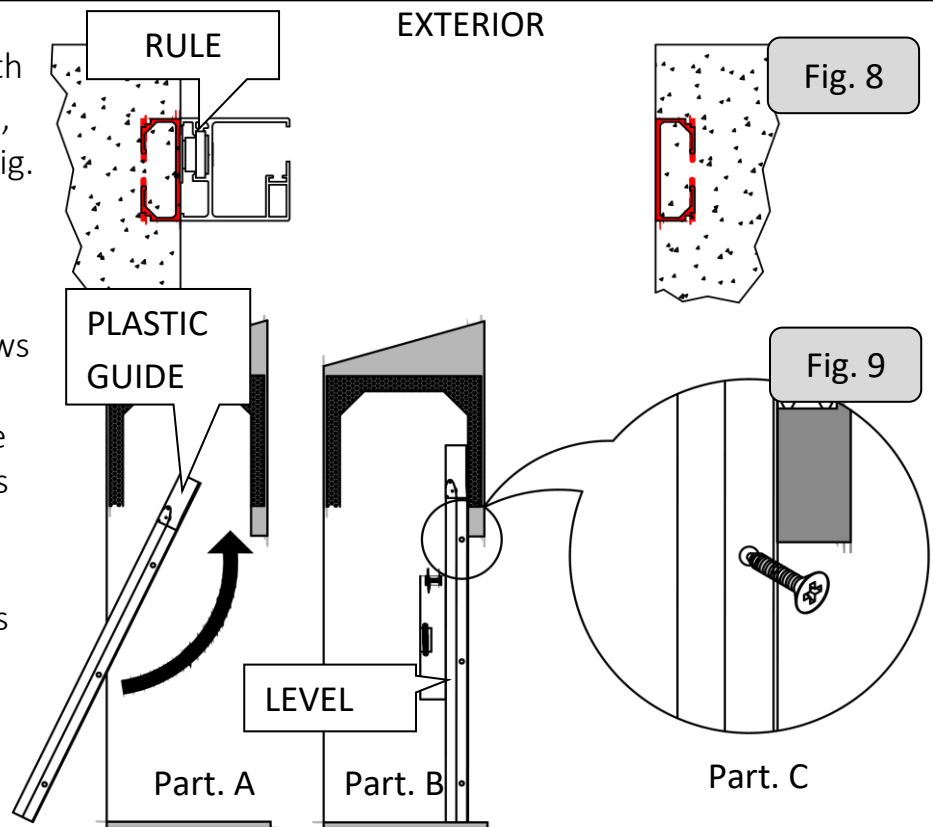


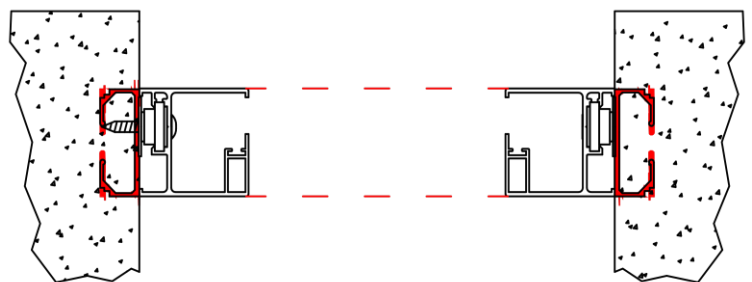
Fig. 7

6 Insert a guide profile, with the plastic guide on the top, facing the counter frame (Fig. 8). Secure the guide to the counterframe, perfectly levelled (Fig. 9 Part. B), by means of auto-drilling screws of appropriate size and length, into the holes of the rulers inserted in the guides (fig. 9 Parts. C).

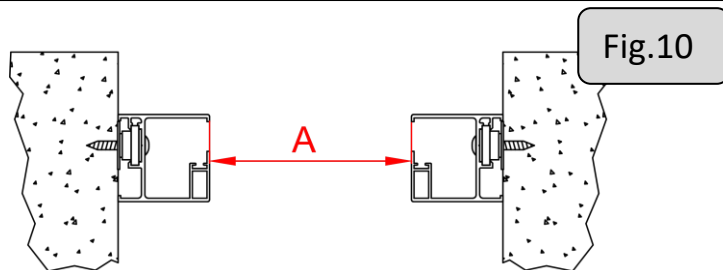
NB If the operation above is not possible, you need to disassemble the plastic guides, fix the guides and lock them again.



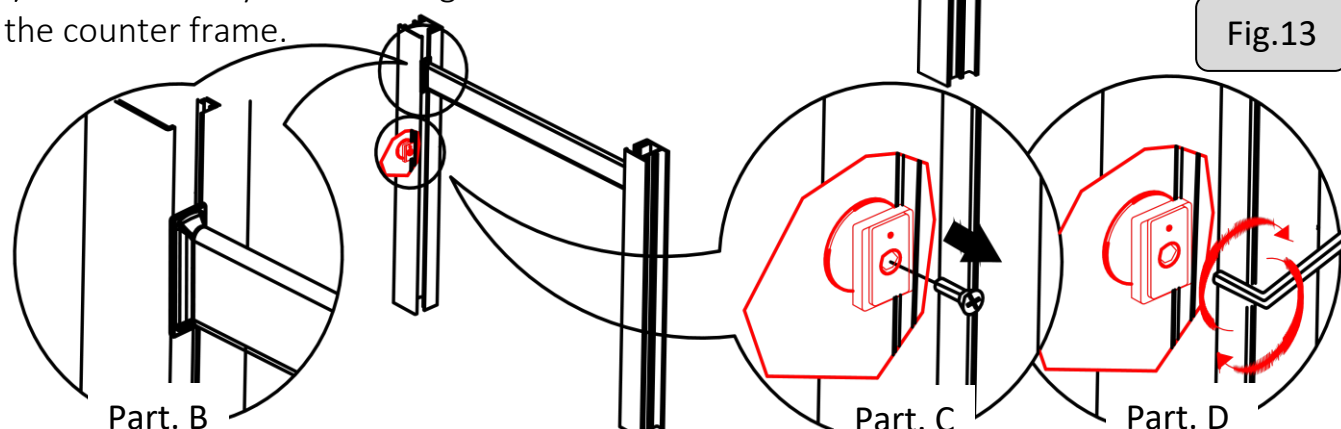
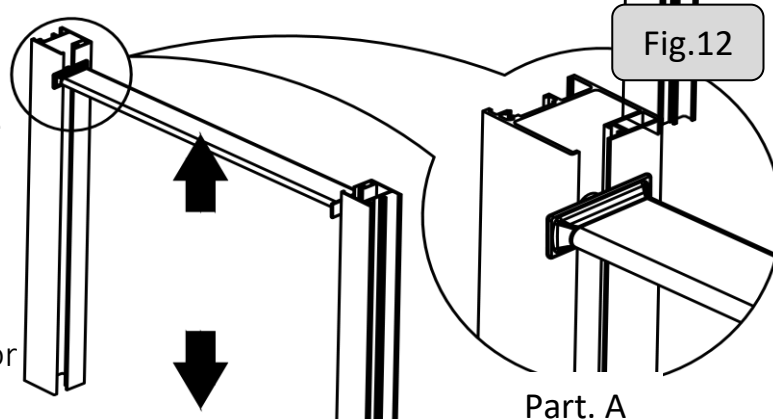
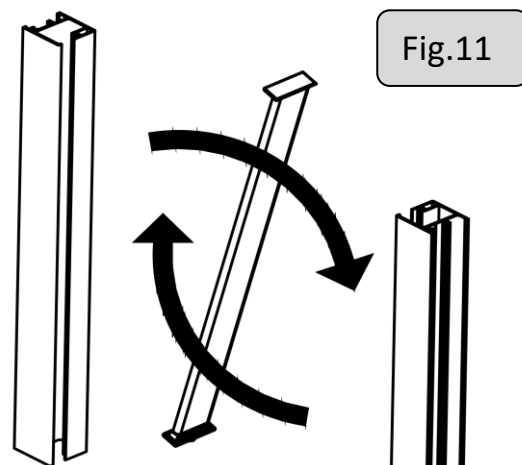
7 Insert the second guide, making sure that it is perfectly in line with the first. Lock it, not definitively, by means of auto-drilling screws to the counterframe.



8 To ensure that the width A (Fig. 10) is constant over the entire height of the guides use the template provided in the package, as follows:



- a) Place the two plastic plugs of the template inside the grooves of the guides (fig. 11) and horizontally oriented as shown in fig. 12, part. A;
- b) Slide the template along the guides from top to bottom or vice versa (Fig. 12), checking that the flow is fluid as well with a minimum play. If any difficulty in sliding or excessive play are experienced, lock the template in the position where you are encountering this problem by turning it of 90 ° (fig. 13, part. B) vertically oriented;
- c) Remove the screw from the nearest rule and act on the rule itself (fig. 13, Part. C and D);
- d) Check by means of the template the absence of friction and of excessive play
- e) Repeat, if necessary, operations as per points c) and d) above for all the points that show problems of friction or of excessive play;
- f) Fix definitively the second guide to the counter frame.

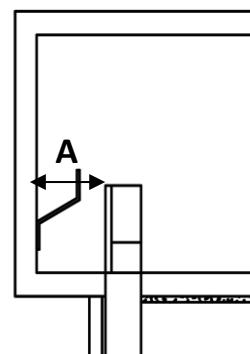


9 Check again that the dimensions X and Y are appropriate for the proper use of the shutter according to the previous point 4.

SHUTTER ASSEMBLY

NOTE In the case of embedded guides, or in any case when the insertion lights are smaller than those of the blind (see point 3), the blind must be inserted in an inclined position and then be straightened, trough maneuvers, inside the box itself. In this case the measure A must be 15 cm at least.

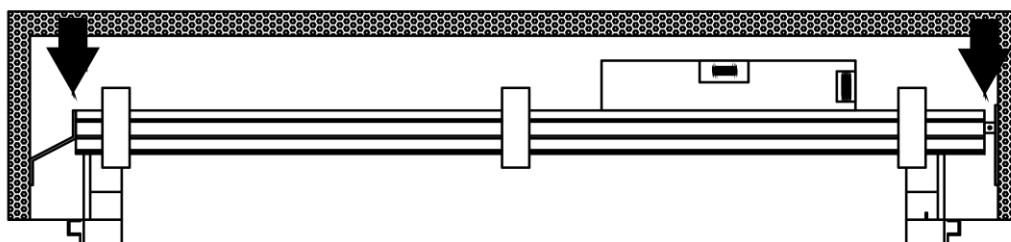
In the case of frontal inspection box, or in any case when the insertion lights are higher than those of the blind, the minimum distance A is 5 cm.



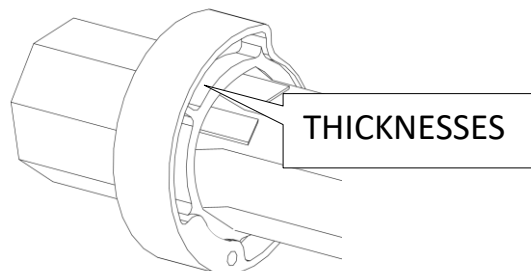
10 Insert the shutter inside the guides up to the threshold.

11 Cut the winding tube according to the value measured between the two supports inside the box. The tube must not have any gap in a horizontal direction. **If it is necessary to invert the motor and the cap, never rotate the tube, but remove the motor and the cap and invert them.**

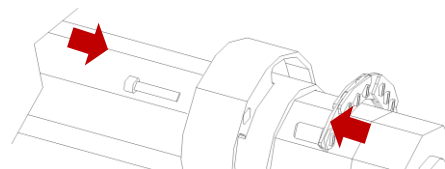
NOTE: FOLLOW THE INDICATION OF THE "RIGHT INTERNAL SIDE" LABEL



NOTE In the case of telescopic winding tube, it may happen that one of the lateral winding rollers, corresponding to the inner part of the telescopic tube, ends up on the tapered part of the tube. In this case, insert thicknesses (not supplied) between the roller and the pipe.

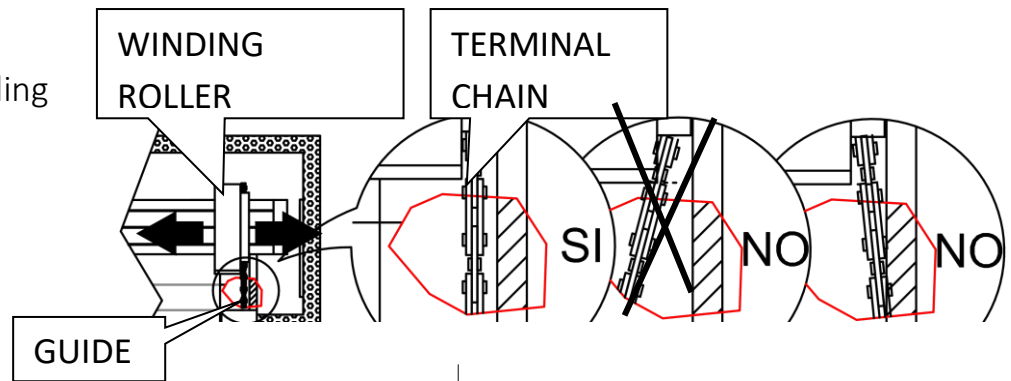


12 Remove the tape placed on the inner part of the blind so that slats are fully oriented, place the external winding rollers in line with the guide and hook the terminals chains.

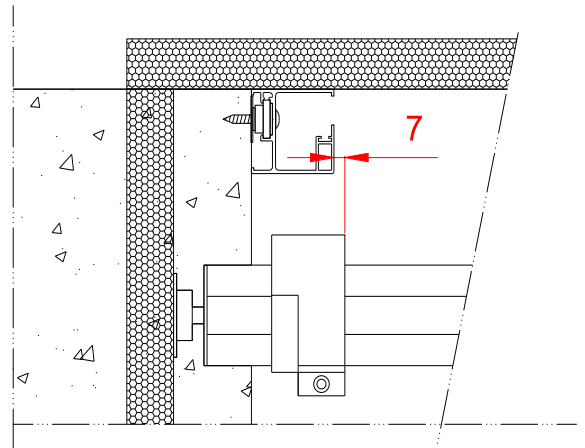


NOTE If the pins on the terminal chains do not coincide with the holes on the winding rollers, it is necessary to connect the motor to the grid (as indicated in the motor manual), inserted into the accessory bag, and rotate the octagonal tube so that these holes coincide with the pins. In the case of radio controlled engines, it is necessary to connect the remote control (optional) to the motor and, without proceeding with any programming, to rotate the octagonal tube.

NOTA Adjust the position of the winding rollers so that the terminal chains are perfectly vertical.



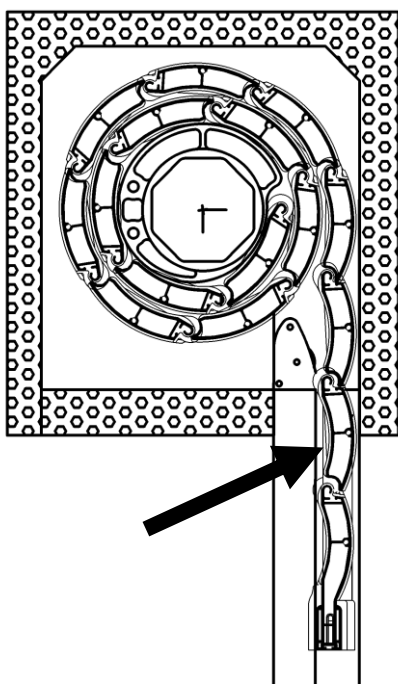
NOTE: THE PERFECT ALIGNMENT OF THE TERNIMAL CHAINS IS OBTAINED WHEN THE DISTANCE BETWEEN THE INNER SIDE OF THE WINDING ROLLER AND THE INNER SIDE OF THE GUIDE IS EQUAL TO 7 MM.



LIMIT SWITCH ADJUSTMENT

NOTE BEFORE SETTING THE LIMIT SWITCH, CAREFULLY READ THE INSTRUCTIONS OF THE MANUFACTURER OF THE ENGINE, CONTAINED IN THE ACCESSORIES BAG.

14 Wrap the shutter and adjust the upper limit switch at the indicated position.



15 Unroll the shutter and adjust the lower limit switch in the indicated position based on the engine chosen.



**Cherubini motor
Idemo motor**

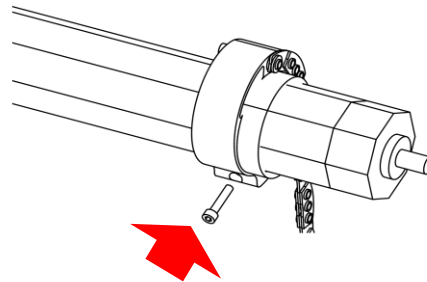


**Standard motor
Somfy motor**

NOTE do not force the opening over 110° to avoid the breaking of the terminal chains

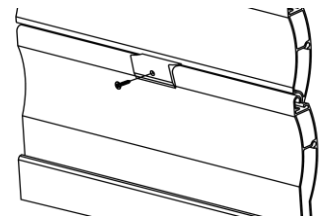
16 Finish the programming of the motors by fixing the third limit switch according to the instructions given in the instruction sheet.

17 Lock the intermediate and the two side winding rollers to the winding tube by tightening the bolts on the rollers.



FIXING THE SLIDE (IF PROVIDED)

18 Fix the slide on the back of the compensator profile as shown in the figure, fixing it with a screw 2.9x7 into the hole on the same profile.



CHECK FUNCTIONALITY

Ultimate all the operations described above, verify the functionality of the shutter, making it wrap up the upper end position (shutter all wrapped up) and then to the lower end position (shutter down with open slats). Noted in several places that the blades in the open position to have a game between the rails of about 3-4 mm. In the event that this occurs some lamella proves devoid or with minimum play different from that indicated, intervene in the following way:

- Locate the point where the game is different from the one indicated
- wrap the whole blind
- act on the regulating or immediately near the critical point previously identified to regulate and act on them so that the game is about 3-4mm
- Lower the towel and take it to strip all open verify that the settings made are successful, otherwise repeat or improve the adjustment.

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.

USE

Use with manual wall does not require special care "up" button to wrap the towel and take it to the desired location; "down" button to play the towel and take it to the desired location. The rotation of the blades is controlled with the wall control: "down" button opens the slats; "up" button closes the slats. The degree of opening / closing of the slats is determined by the time of switch closure. For remote controlled blinds the setup procedure and how to use the remote control are given in the instruction sheet of the same.

TIPS FOR SAFE OPERATION

Do not foreseen 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.

PROBLEMS, CAUSES, SOLUTIONS

IF YOU HAVE TO REMOVE THE SHUTTER FROM THE BOX LOCK THE SLATS WITH TWO OR THREE STRIPES OF TAPE FOR PACKAGING FROM INSIDE THE BLIND.

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.

THE SHUTTER ROLL DOWN WITH DIFFICULTY IN ITS GUIDES SHOWING A CLEAR FRICTION The guides are not adjusted correctly. Check the adjustment of the entire height of the guides through the template provided and act on the rules. In most cases the guides must be brought closer to each other.

THE SLATS DO NOT REACHING THE MAXIMUM EXTENT OF ORIENTATION After verifying the switch limit of the engine, if the problem persists, it means that the winding tube is placed too high compared to the guides. Check and reset the height Y.

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 NUMBERS

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