



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.

PACKING

Package 1 – Curtain and accessories bag with the hardware necessary for installation and documentation and any commands to the motors. The documentation is unique for the entire order.

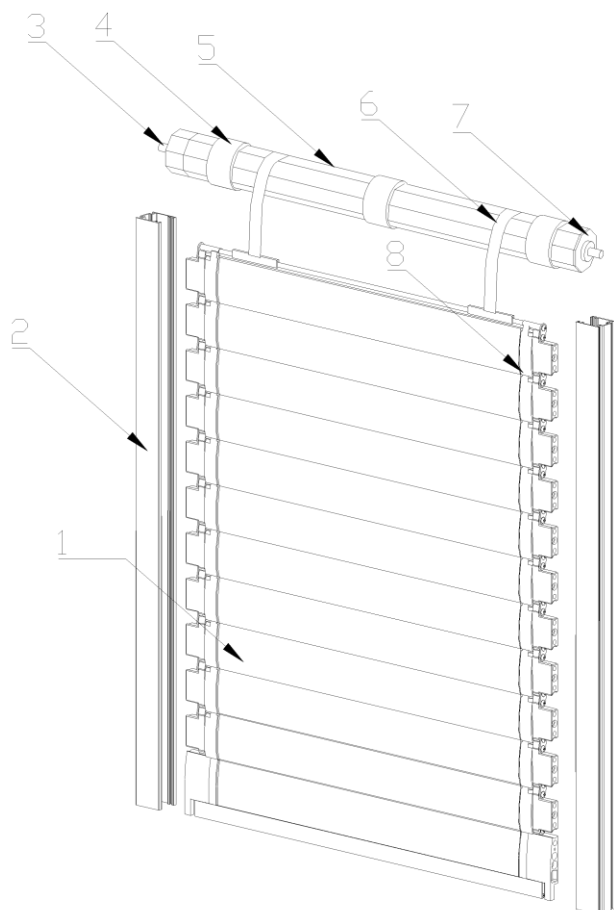
Package 2 – Octagonal tube with motor, winding rollers and bearing plug

Package 3 - Guides.

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



LEGENDA	
1	Curtain
2	Guide
3	Motor
4	Winding roller
5	Winding tube
6	Steel attachment
7	Winding tube plug
8	Side components

PRE-INSTALLATION CHECKS

1. 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. Make sure that the winding space in the box is higher than indicated.

NOTE. Measures in mm

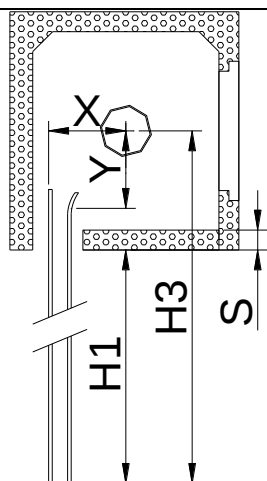
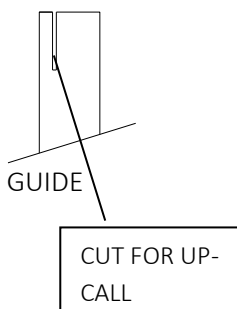


Table 1 (measures in mm)

H1	Ø	X	Y
1000	200	105	110
1200	205	110	115
1400	210	110	115
1600	220	115	120
1800	225	120	125
2000	230	120	125
2200	235	125	130
2400	245	130	135
2600	255	135	140
2800	265	140	145
3000	275	145	150

LEGEND

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
 $H3 = Y + S + H1$



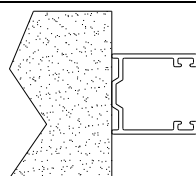
X and Y dimensions are the minimum suggested. In case of necessity may be increased by up to 15 mm.

PLACING OF GUIDE

2. Lock with $\varnothing 3,9 \times 45$ screws, the first guide with the cut for the up-call upwards and pointing towards the inner part, on a side of the wall opening.

NOTE.

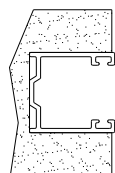
For better fixing, the guides should be fixed on a metal subframe. The subframe must be perfectly level.



INSIDE



NOT EMBEDDED GUIDES



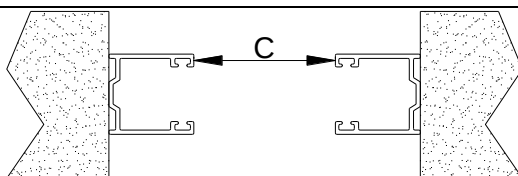
INSIDE



EMBEDDED GUIDES

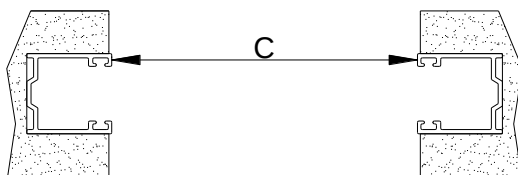
3. Insert the second guide, making sure that it is perfectly in line with the first in the opposite side of the wall opening.

NOTE. The distance between the internal faces of the guides "C" must be equal to "B - 44 mm". You can fix the distance "C" correctly by thicknesses between the back of the guide and the counter frame channel.



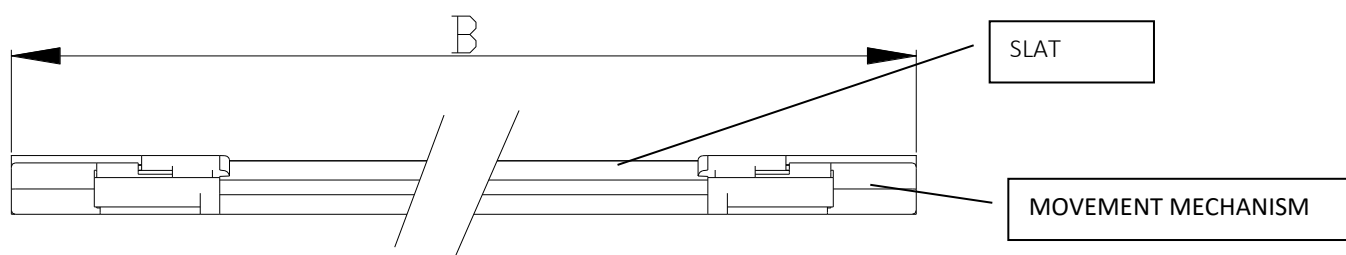
INSIDE

NOT EMBEDDED GUIDES



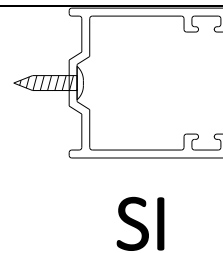
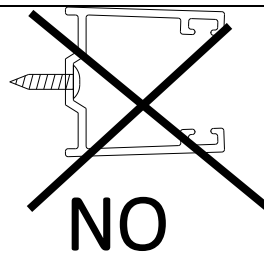
INSIDE

EMBEDDED GUIDES



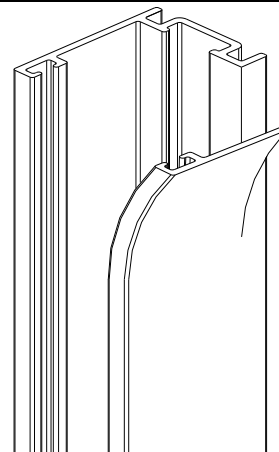
NOTE. Check again that the X and Y dimensions are appropriate for the correct operation of the shutter as described in point 1

NOTE. Do not overtighten the screws during the placing of the guides into the counter frame channel in order to avoid constrictions in the same guide that can cause malfunctions.



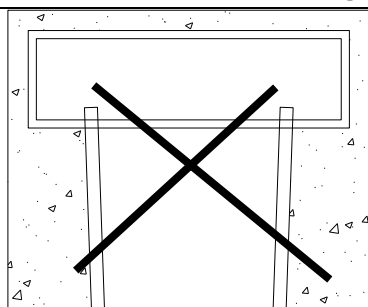
4. Deform the top of the guide along the cut to form the up-call.

NOTE. The bending radius of the upcall must be such that it does not cause any shrinkage in the guide itself. Check again that the dimensions X and Y are appropriate for proper operation of the rolling shutter as described at point 1.

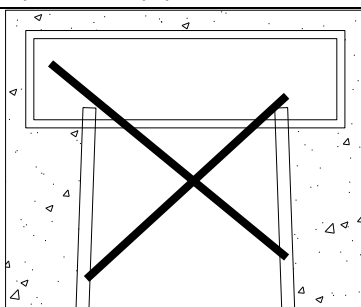


SHUTTER ASSEMBLY

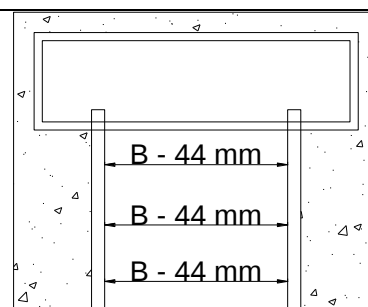
NOTE. Make sure the guides are perfectly parallel.



NO

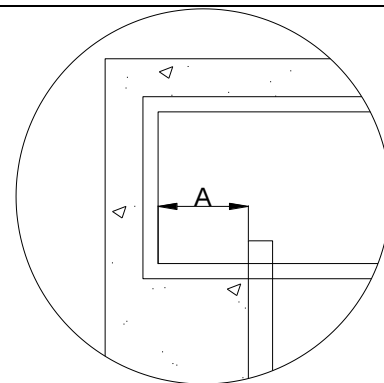


NO



YES

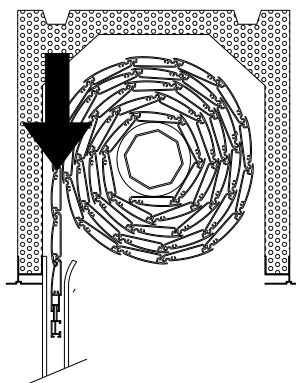
NOTE In the case of embedded guides, or in any case when the insertion lights are smaller than those of the blind (see point 3), the blind must be inserted in an inclined position and then be straightened, trough maneuvers, inside the box itself. In this case the measure A must be 12 cm at least. In 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.



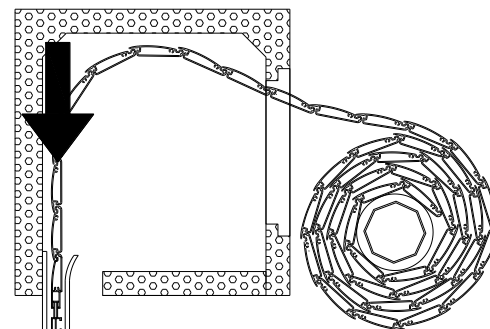
5. Insert the shutter inside the guides up to the threshold without removing the tape placed on the internal side.

NOTE.

Do not orient the slats during this operation



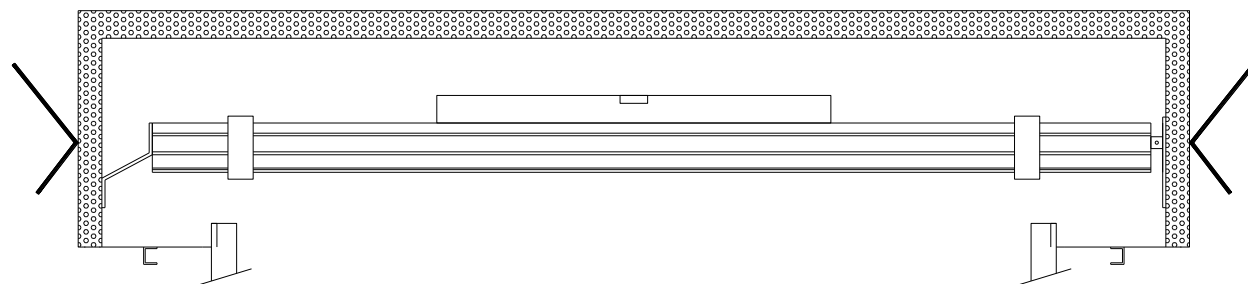
LOWER INSPECTION



FRONT INSPECTION

6. 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

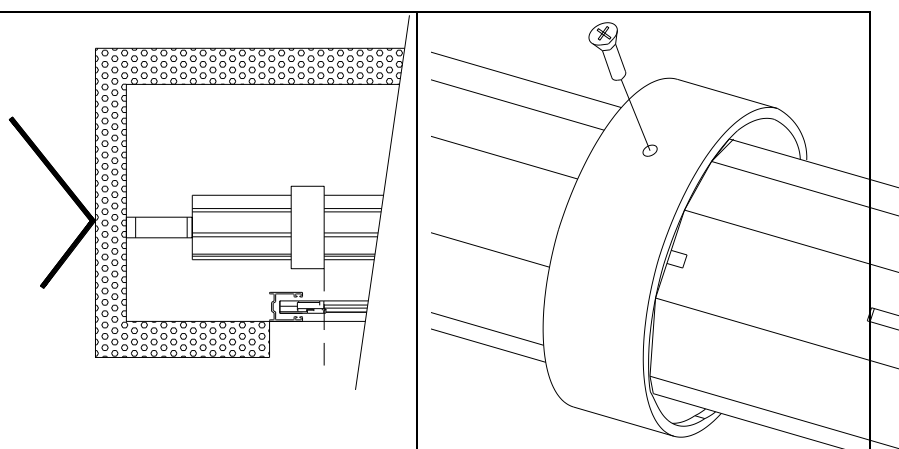
NOTE: FOLLOW THE INDICATION OF THE "RIGHT INTERNAL SIDE" LABEL



NOTE Remove the tape and adhesive film placed on the inside of the curtain in order to fully orient the slats.

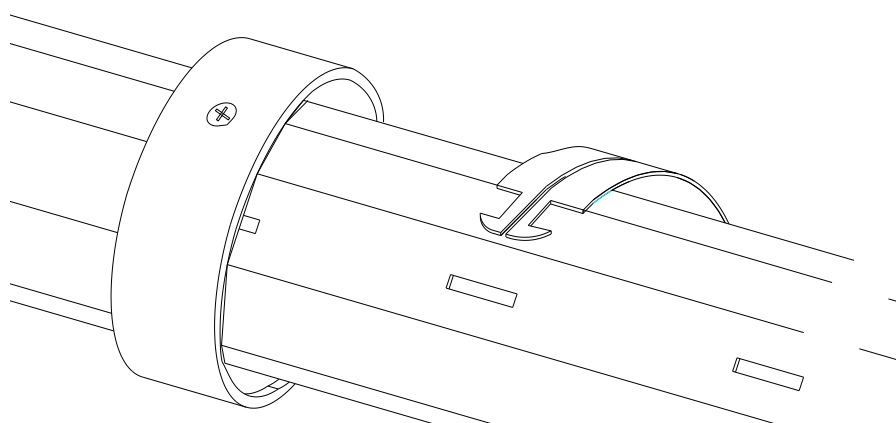
7. Check that the winding roller are in line with the edge of the slats profile.

Fix them to the winding tube with the self-drilling screws 3,9x13 contained in the accessories bag



8. Attach the steel attachments to the octagonal tube by inserting the tab of each inside the rectangular slots on the octagonal tube.

The steel connections must be placed near the black plastic winding rings.



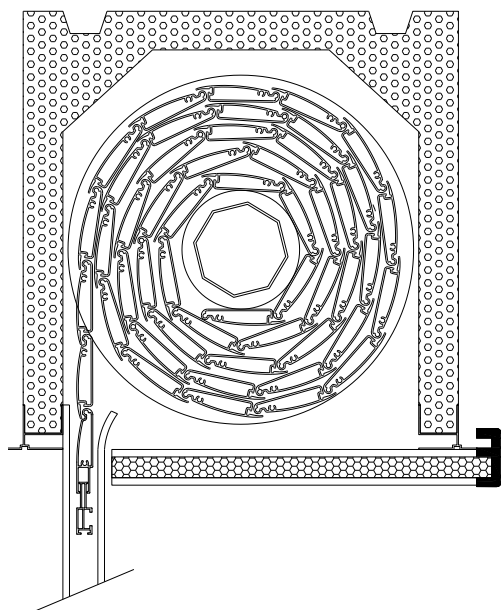
NOTE If there is difficulty in inserting the tabs in the slots of the octagonal tube, it is necessary to connect the motor to the mains (as reported in the motor manual) and rotate the octagonal tube so as to make the slots and tabs coincide. In the case of radio-controlled motors it is necessary to associate the remote control (optional) to the motor and, without proceeding with any programming, to rotate the octagonal tube. With manual control, rotate the tube through the winch.

NOTE Adjust the position of the tabs by sliding their hook onto the last blade at the top so that they are perfectly vertical

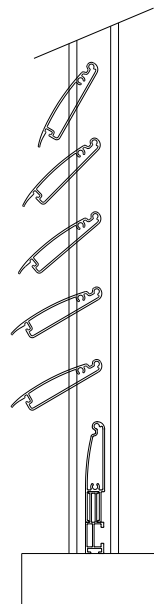
LIMIT SWITCH ADJUSTMENT

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

9. Wrap the shutter and adjust the upper limit switch at the chosen position. The figure shows the maximum limit switch.



10. Unroll the shutter and adjust the lower limit switch in the indicated position based on the motion chosen.



NOTE. Do not force the opening of the slats at the top to avoid creases in the steel attachments.

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

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 SHUTTER, FULLY WRAPPED IN BOX, DO NOT ROLL DOWN AND IT STUCK INSIDE THE BOX

✓ The distance "C" is incorrect. In the case of guides for new installation, act on the rules to set the correct distance "C".

✓ The screws fixing the guides to the wall or to the counter-frame are too tight, causing the shrinkage of the guide inside which the blind runs. Release these screws so as to avoid shrinking the guide.

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.

MANUFACTURER NUMBERS

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