

Assembly manual

Fixed Folding Mosquito Screen



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Important

It is important for the safety of people and the integrity of the product to read these instructions carefully before installing, operating, repairing or using the screen for the first time.

This document is an integral part of the above titled mosquito net model and is intended for the installer. It contains specific information regarding its cutting and a complete guide to the sequence of operations for its assembly and installation.

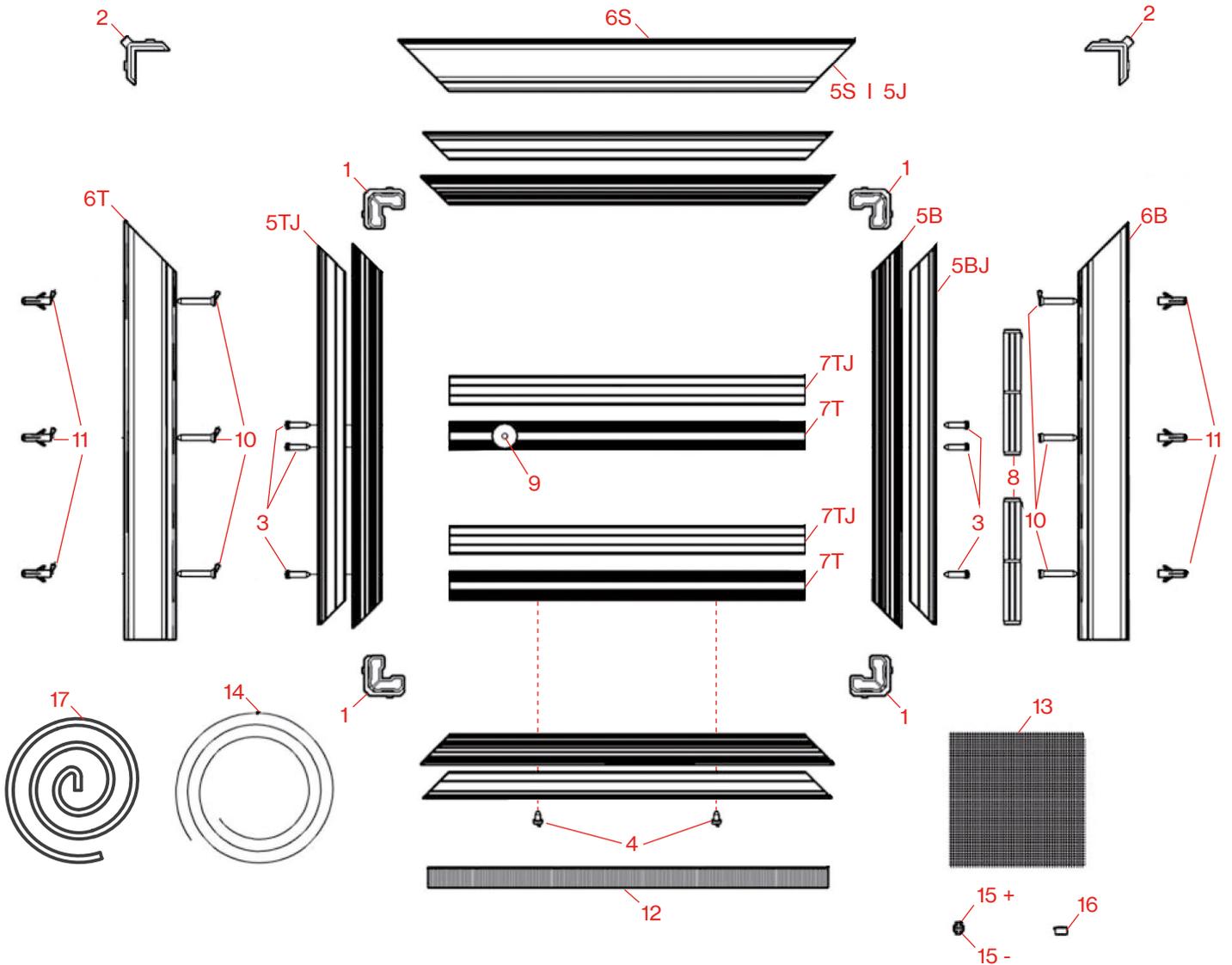
It also contains information required to give presumption of conformity with the European Construction Products Directive and European Standard EN 13561:2004+A1:2008 as per the accompanying documents.

Information regarding general requirements for the use, handling, installation, maintenance and disposal of the mosquito screen can be found in the document **“Mosquito screens: prescriptions for the user and installer”** available at saxun.com

Both documents constitute a complete instruction manual and an essential tool to properly operate your mosquito screen throughout its life cycle: installation, use, maintenance and disposal at the end of its useful life.

We recommend that you download both documents and keep them linked to the mosquito screen for future reference. The information they contain is an essential part of the product.

1. Components



Ref.	Description
1	008533 Angle Leaf (4 units)
2	008532 Angle Frame (2 units)
3	008538 Screw 3.5x25 for crossbar fixing (6 units)
4	027073 Self-threading Screw 3.5x9.5 (2 units)
5	008480 Leaf Profile (5B , 5B , 5T , and 5S) 008490 Leaf Clipper Profile (5I , 5B , 5T , and 5S)
6	008470 Frame Profile (6B , 6T , and 6S)
7	008510 Cross bar profile (7T 2 units) 008590 Cross bar profile clipper (7T 2 units)
8	008535 Hinge with spring (2 units)

Ref.	Description
9	008536 Doorknob (2 units) 008541 Threaded Rod Doorknob (1 unit)
10	027350 4.1x38 Wall Fixing Screw (6 units)
11	008540 6 mm plug (6 pieces)
12	008531 4.8x21 mm Brush
13	008092 Fibreglass mosquito netting
14	008082 Rubber band
15	008321 - Magnet 008320 + Magnet
16	008534 Sealing plugs (14 units)
17	005391 Coextruded Rubber for Frame

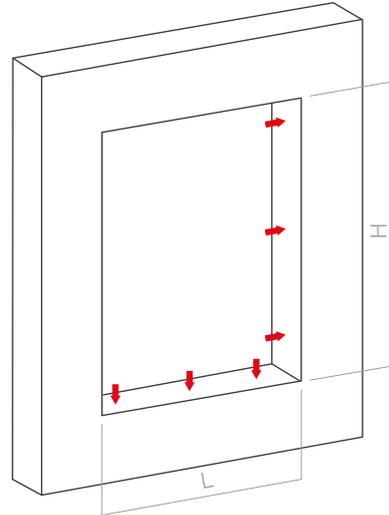
2. Assembly

2.1 Taking measurements and cutting the frame of the mosquito screen

Step 1

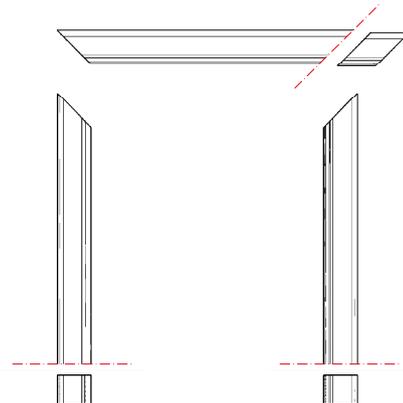
To determine the width of the doorway (dimension **L**) we will proceed to measure the doorway at three different points, selecting the smallest measurement among them.

Also to determine the height of the doorway (measure **H**) we will proceed to measure the doorway at three different points, selecting the smallest measurement between them.



Step 2

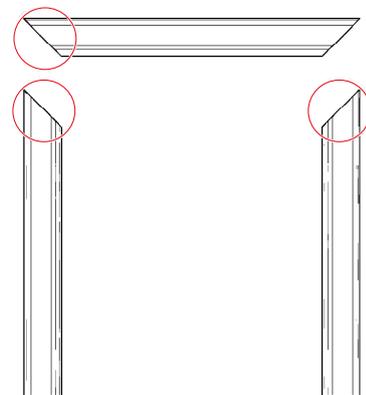
With the resulting measurements we will proceed to cut the profiles of the frame on the side that is not machined because the profiles, as we checked (marked with a circle), are machined at one of its two ends to be able to mount the frame of the mosquito net with its angles.



Step 3

Important

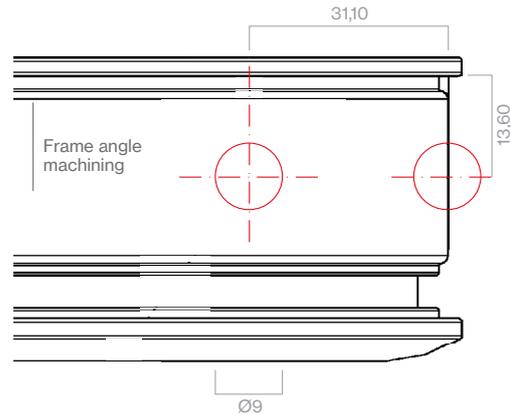
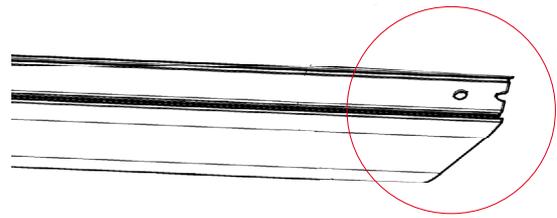
The cutting of the profiles to adjust them to the dimensions of the opening must always be done on the unmachined side, and we must ensure that the profile is completely flat and the cutting angle in the upper profile is 45° when making the cut.



Step 4

Once the profiles have been cut, we will have to make the holes for the angle at the end that we have cut from the upper profile of the frame with the measurements detailed below.

From the end of the profile we have to mark the inner hole 31.10 mm deep and 13.60 mm from the lateral rib to the center with a 9 mm drill bit, the outside is made with a circular file (rat tail file).



! Important

In order for the profiles to fit perfectly, it is necessary to make the perfect holes as per the markings.

In order to obtain a perfect fit of the profiles, it is necessary to make the holes following the machining plans.

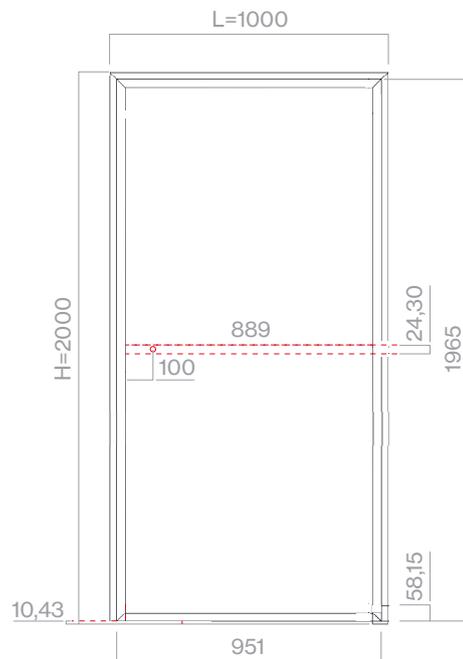
2.2 Cutting allowances for the leaves of the mosquito screen

As with the frame profiles, we will cut the profiles that will form the leaf of the folding mosquito screen, following the table of allowances detailed below.

The profiles of the leaf will have to be cut with the beading in place. All the profiles of the leaf are also available machined on one side only, as indicated in the drawing below, the other side will have to be machined once all the profiles have been cut to size with their corresponding allowances.

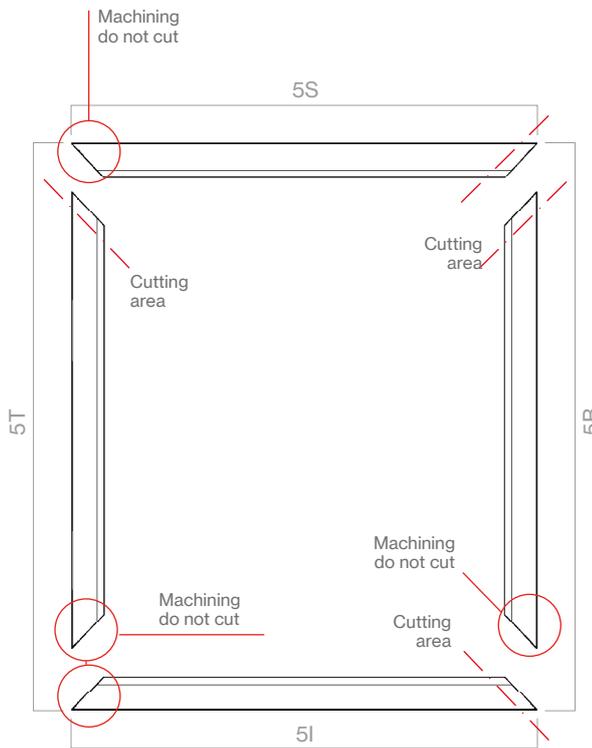
Allowances

- * L Leaf= L-49 mm
- * H Leaf= H-35 mm
- * L Cross bar = L -49 mm / -62 mm
- * Doorknob at 100 mm from the end of the crossbar



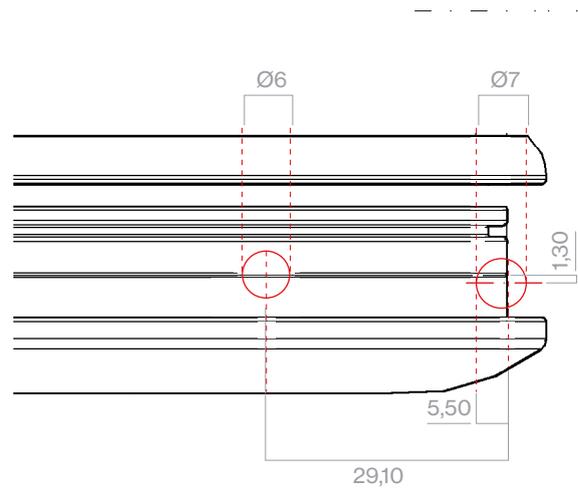
! Important

Make sure that both when cutting the profiles and when machining them we do it correctly and following at all times the measurements and allowances that we have detailed as well as make sure that the profiles are completely flat and cut at 45° in their corners.



The machining of the angle of the leaf will be carried out as per these measurements, from the end of the profile to the inside and through the central mark that carries the profile we will make a hole at a distance of 29.10 mm, with a diameter of 6 mm and the one in the corner will be filed at a depth of 5.50 mm, with a displacement to one side of 1.30 mm and a diameter of 7 mm.

Once all the profiles of the frame, leaf and cross bar have been cut to all their allowances, and all the missing corners have been machined, we will be ready to assemble them as detailed below.

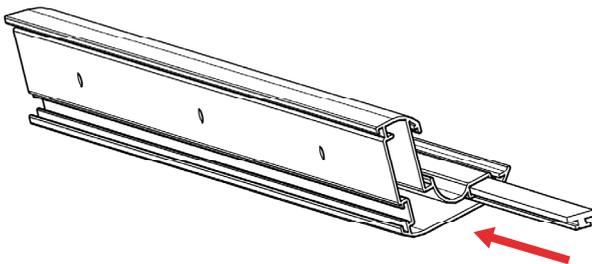


2.3 Frame Mount

Step 1

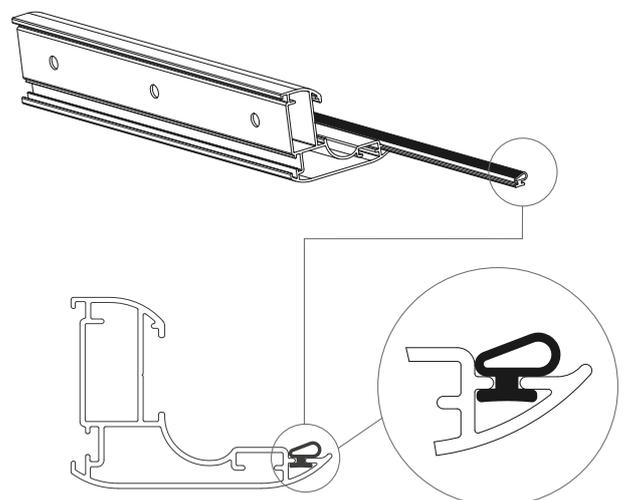
Insert the negative magnet (15- with groove) inside the frame profiles (6T, 6B and 6S).

Assemble the three profiles with the frame angles (2) and secure it tightly with the allen key. The frame remains assembled.



Step 2

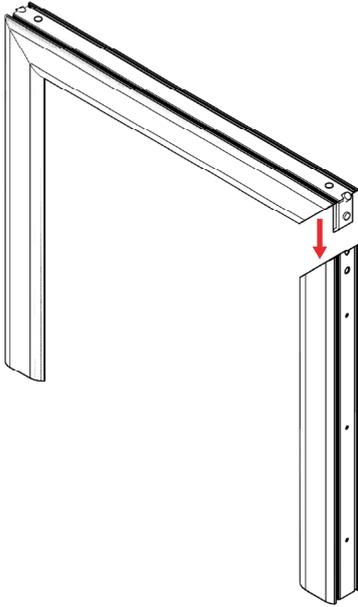
Insert the coextruded rubber (17) in the frame profiles, as shown in the images.



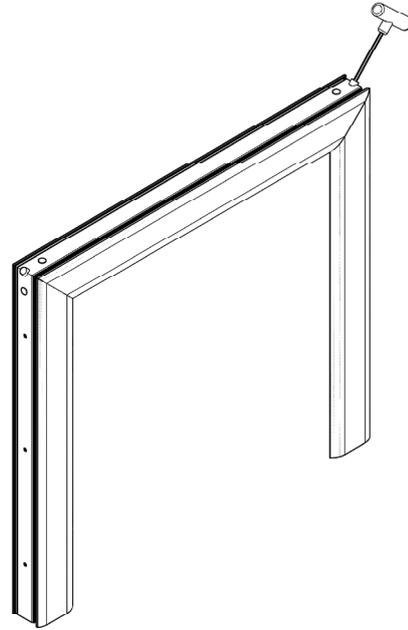
! Important

Check the overall dimensions before proceeding with assembly and make sure they are correct.

Step 1

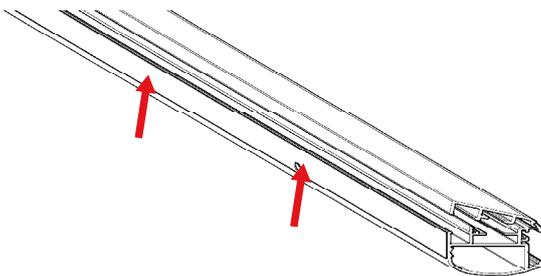


Step 2



Step 3

Extract the beading from the profiles of the leaves from the side without marking the aluminium with the tool.



Step 4

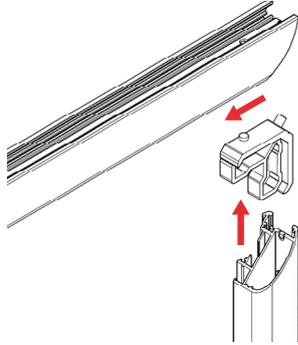
make some indications inside the profile and its beading so that when we go to clip them later we know which corresponds to each one.



2.4 Assembly of the door frame

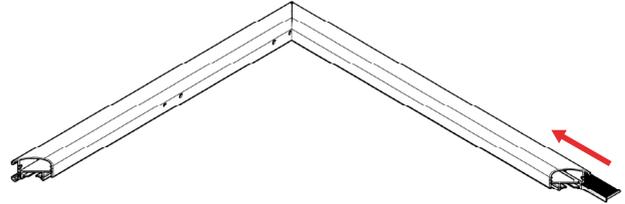
Step 1

Assemble the bottom leaf profile (5I) by means of leaf angles (1) with side profile (5B).



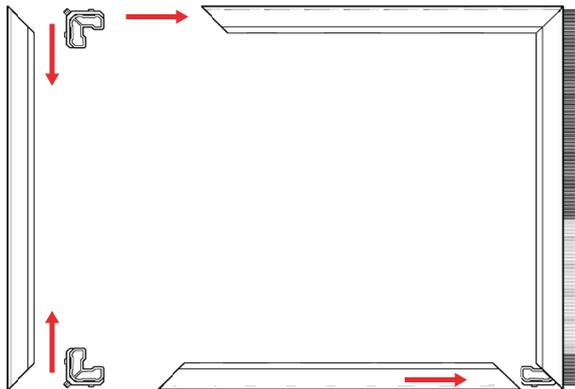
Step 2

Insert the brush (12) in the bottom leaf profile (5I)..



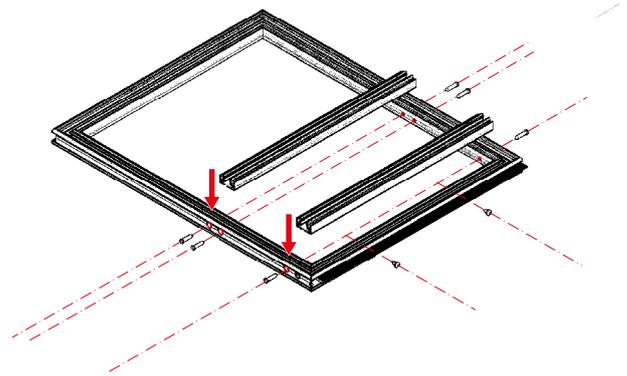
Step 3

With the remaining leaf angles, continue mounting the rest of the profiles until the assembled frame is assembled.



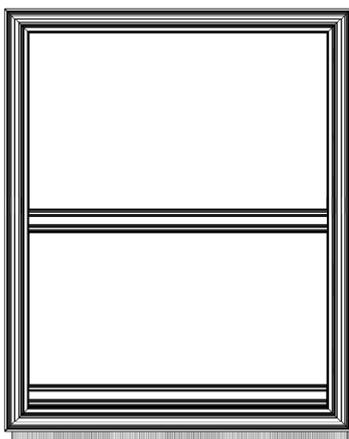
Step 4

Assemble the lower crossbar (7TI) and the central crossbar (7TC) using the screws (3 and 4).



Step 5

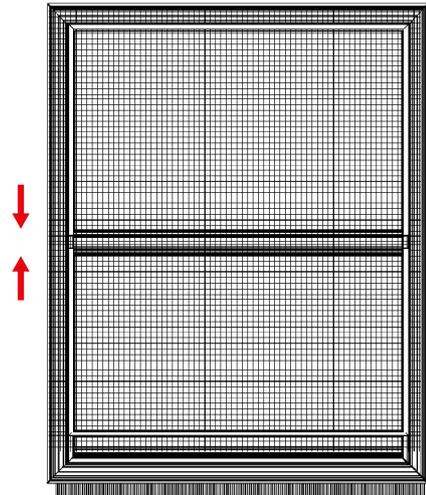
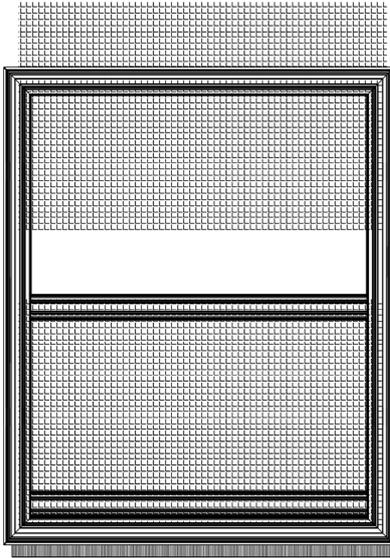
The leaf of the mosquito screen is ready to be able to fix the fiberglass screen (13).



2.5 Fiberglass mosquito net assembly

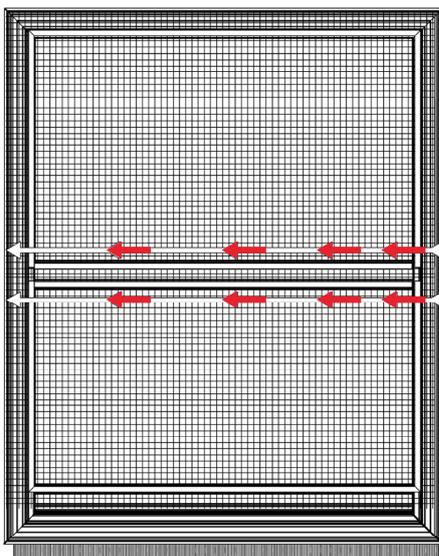
Step 1

Attach the fiberglass screen (13) to the leaf, by means of the rubber band (14) starting to introduce the band all around the outer perimeter of the two holes, leaving the fabric unfixed in the central crossbeam.



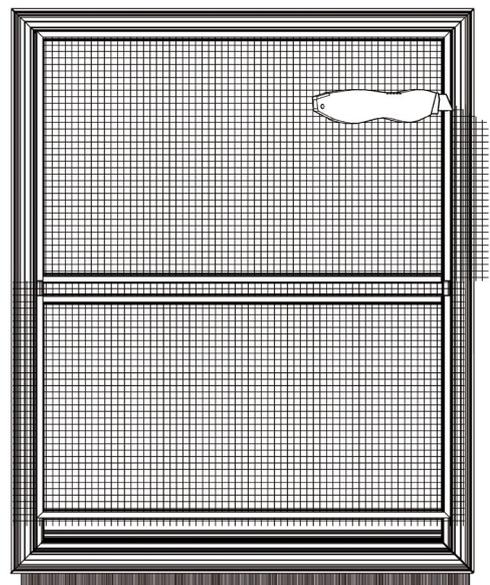
Step 2

For the central crossbar it is necessary to fix the fabric by inserting the two bands of the crossbar at the same time and at 10 cm intervals. It is important that the fixing is carried out in this way in order to avoid crossbar deviating from one side more than the other due to the tension of the fabric.



Step 3

Trim off excess fabric with a razorblade.



2.6 Assembling door covers

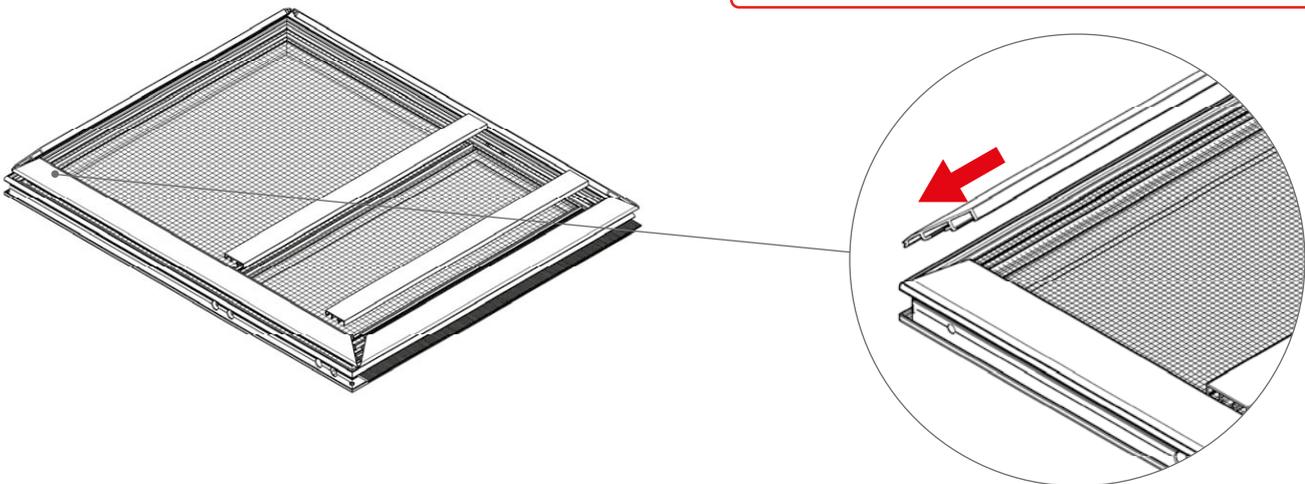
Step 1

Cut the positive magnet (15+ without groove) to the measurement of the three pieces of beading of the leaf (5BJ, 5TJ and 5SJ) to insert them inside..



Step 2

Present the beading into the leaf and start the simultaneous clipping formed in each corner of the sheet by the two pieces of beading, ending with the central part of the profiles.

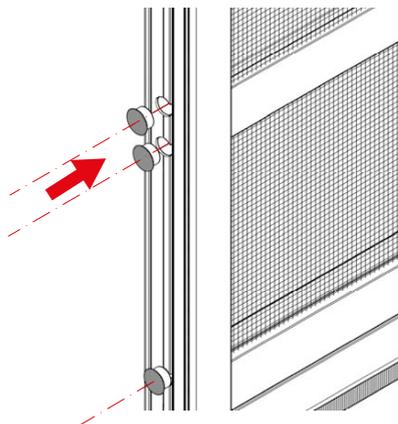


! Suggestion

File the tips of the mitre joint of the leaf beading on the outside where they are hidden by the frame to facilitate their clipping.

Step 3

Seal the holes in the leaf with the plastic plugs (16).

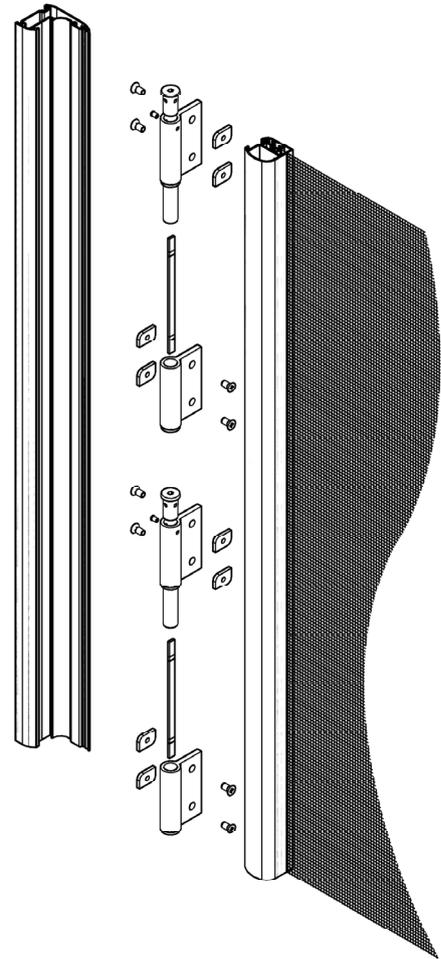
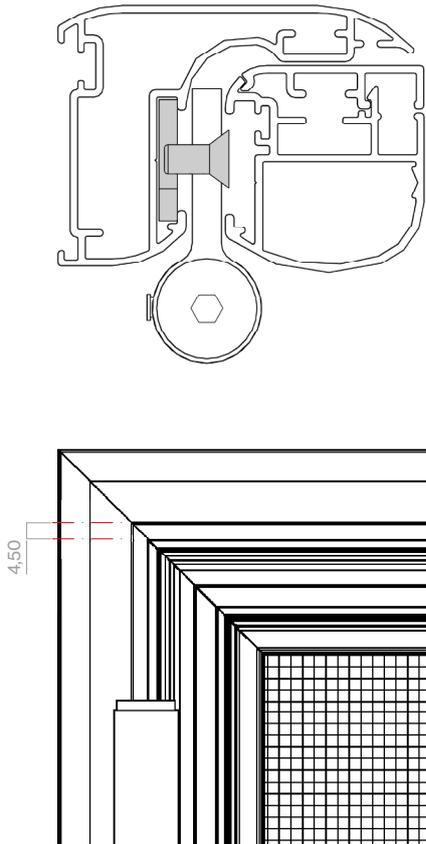


2.7 Door assembly

Step 1

Fix the hinges (8) both in the leaf and in the frame in which we have chosen the opening of the mosquito net leaf. For a good fit of the closing magnets, the distance between the leaf and the frame at the top should be 4.50 mm.

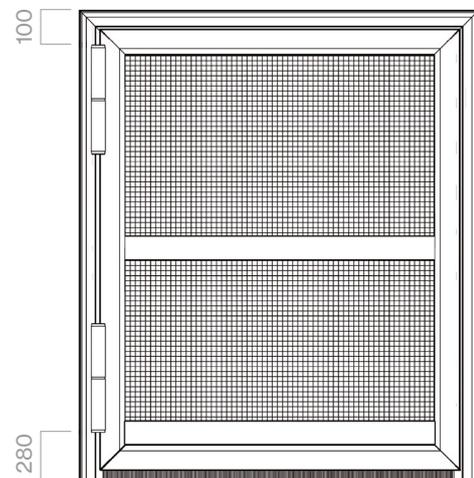
The plug of the hinge has to be in the upper part of the hinge once assembled to put pressure on the spring.



! Important

Install the top hinge 100 mm from the top end of the frame and the bottom hinge 280 mm from the end of the frame.

It is recommended for the proper functioning of the hinges, that the leaf of the mosquito net does not exceed a weight of 5 kg.

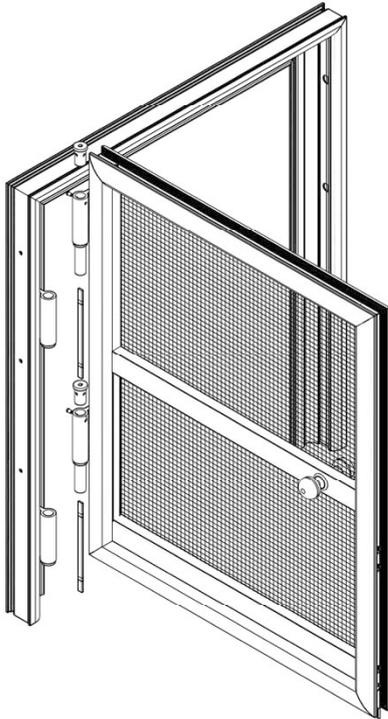


Max. 5 Kg

Step 2

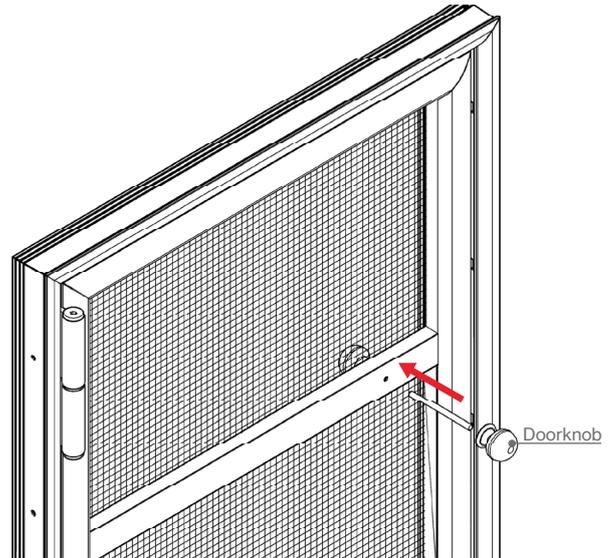
! Suggestion

In order to make it easier to fix the frame to the wall, it is recommended to remove the door leaf from the frame, to fix it to the construction site, then to put the door leaf back into the frame and finally regulate the pressure of the hinges.



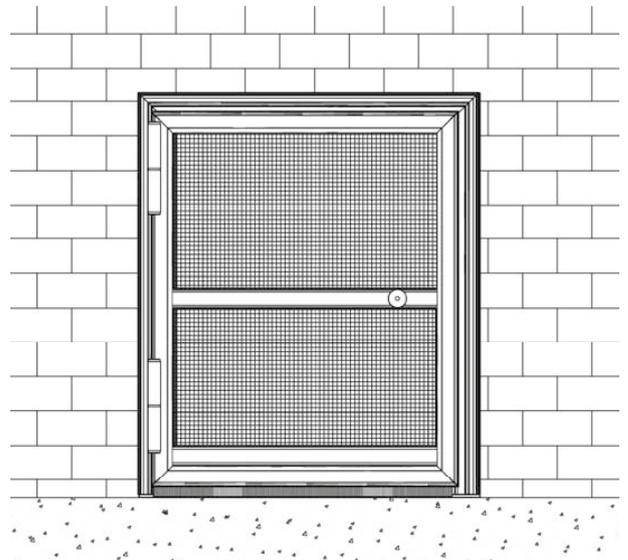
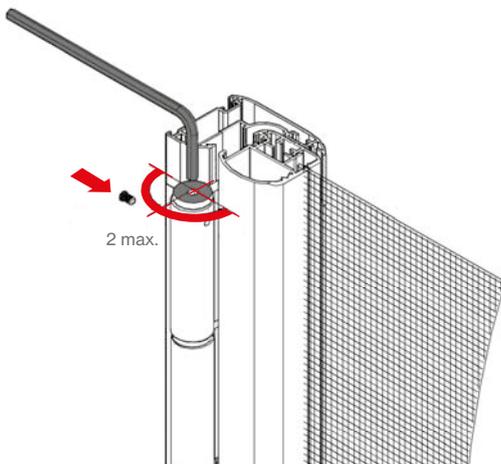
Step 3

Using a 4.50 mm drill bit, make a hole in the central cross bar on the side opposite the hinges so that by using the 4 mm metric rod, the doorknobs can be fixed (9), making sure that the doorknob does not intrude on the inside. Once the frame of the mosquito screen has been screwed to the hole in the building site, proceed to apply pressure to the hinges as shown in the drawing below.



Step 4

Once the frame of the mosquito net has been screwed to the work hole, proceed to give the pressure to the hinges according to the drawing below.





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