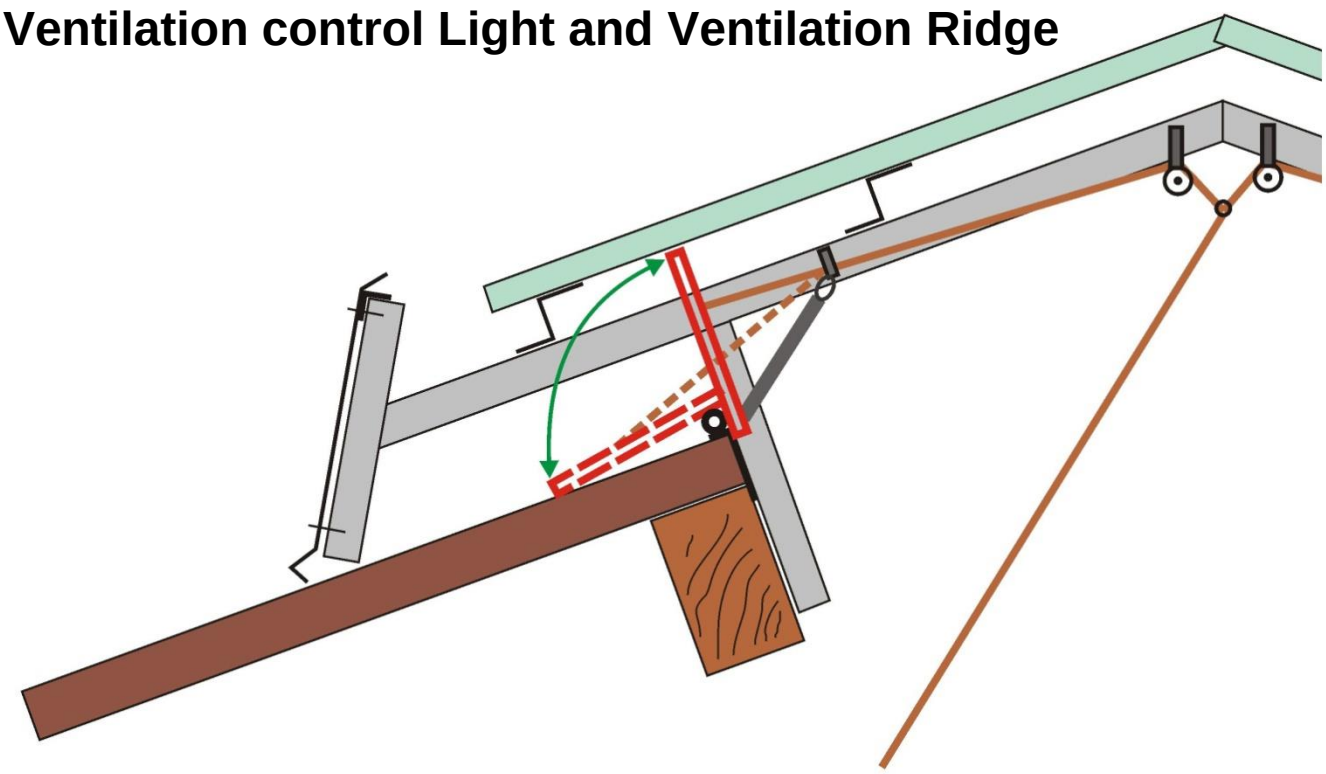
Assembly Instructions

Ventilation control Light and Ventilation Ridge



Important notes!

Preamble

The correct and technically perfect use of the products and compliance with the applicable accident prevention regulations during installation are not subject to our control.
In conformity with these assembly instructions a smooth and quick assembly succeeds.
We hope you will enjoy the **Ventilation Control of the Müller Light and Ventilation Ridge „Deluxe“** now and as well in the future**.**

Storage

Upon receipt of the construction kit, the stacked, bare aluminium profiles (wind deflectors, purlins and frames) should be immediately separated. Moisture between the stacked sections and profiles due to rain, humidity or condensation could otherwise cause an unsightly discoloration (gray black) of the parts.

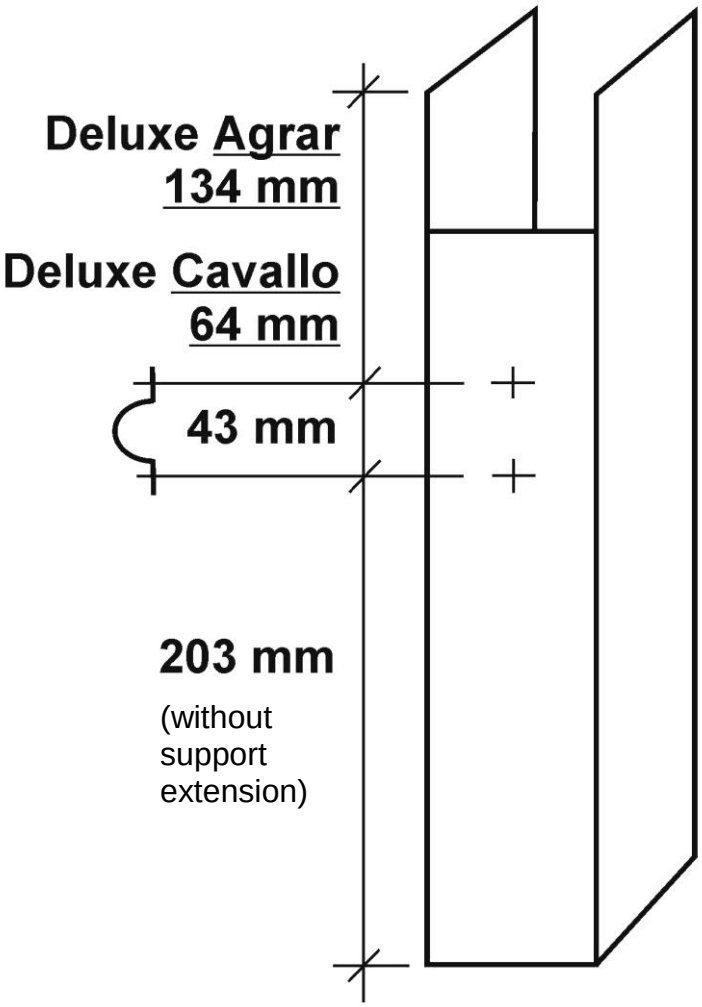
Never expose the skylight panels / hoods in the stack to direct sunlight or excessive heat – heat accumulation – burning glass effect. This may lead to deformations!

For intermediate storage or provision on the site, all parts should be covered with an opaque material to protect against moisture as well as against wind and storm. The storage for an extended period should be carried out "under roof".

Assembly

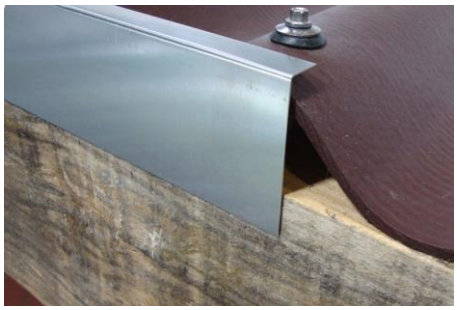
1. Fasten the eye brackets with the SX 5 drilling screws to the supports of the Müller light and ventilation ridge "Deluxe" (see sketch + photo). The SX 5 drill screws must not be pre-drilled! The upper attachment point is at 134 mm (Deluxe Agrar) or 64 mm (Deluxe Cavallo) and the lower at 177 mm (Deluxe Agrar) or 107 mm (Deluxe Cavallo) from the top of the support.

For ridge lengths over 30 m with multiple locking levers per side, a double eye bracket must be set partially (see item 5).



Fasten the eye brackets with the SX 5 drilling screws *without pre-drilling*!

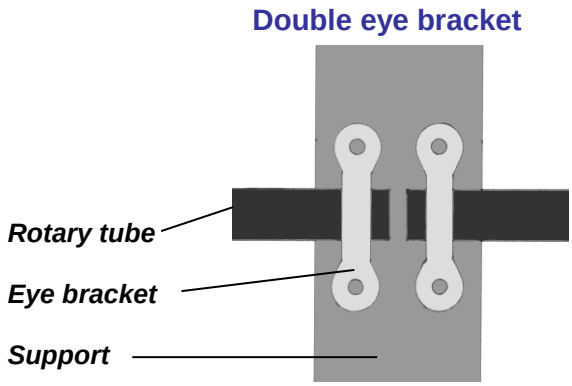
2. Before the supports are screwed to the purlins, the impact angles must be attached. These are simply hung over the roof covering with the short leg (see picture).



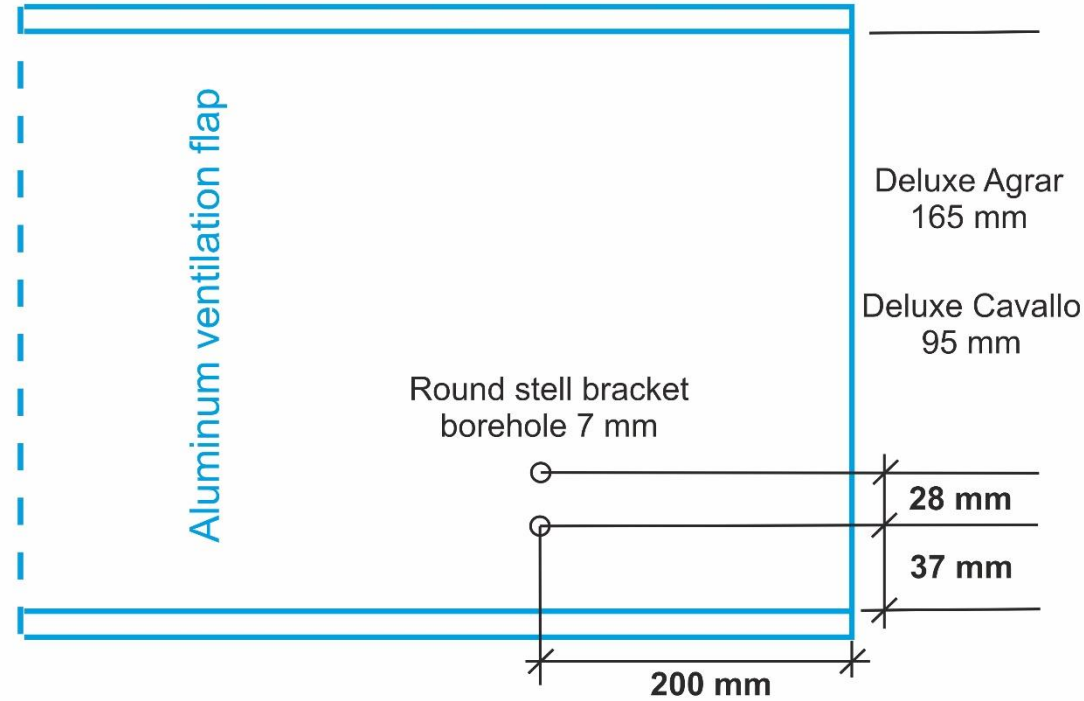
3. Attach the aluminium supports to the purlins (see separate assembly instructions for Müller light and ventilation ridge "Deluxe", item 1 + 2).

4. Push the rotating tube through the eye brackets and extend it with the 200 mm long tube connectors. Insert the connecting tube 100 mm into the rotary tube and drill it through the center with a 5.5 mm drill 50 mm from the end of the tube. The 5.0 x 25 mm screw with washers and nut is now inserted here. So the connector is connected to the rotary tube.Let the rotating tubes at the end of the light ridge stand 30 mm above the frame.

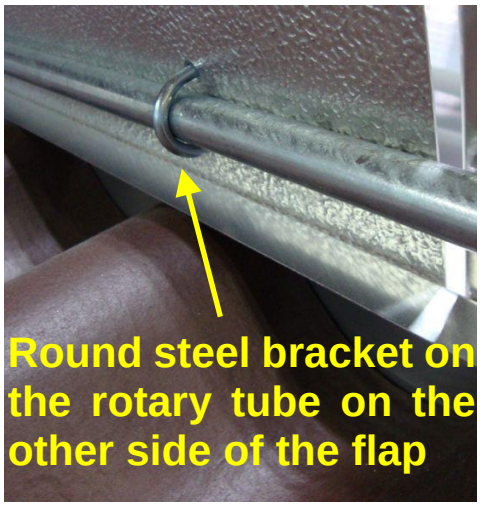
5. If the ridge is longer than 30 m, an additional locking lever must be installed. The individual sections are separated next to a support. At this support, two eye brackets are placed side by side and rotary tube is separated between the eyelets. Thus, the individual sections of max. 30 m may be adjusted independently.



6. The holes in the aluminum ventilation flaps to accommodate the round steel brackets are made with a 7 mm iron drill. The lower hole is 37 mm and the upper 65 mm from the lower edging of the ventilation flap. There is 200 mm on each side from the lateral outer edge to the center of the hole (see sketch).



7. Fasten the aluminum ventilation flaps to the rotary tube using round steel brackets with a rectangular double hole washer and 25 mm washers and nuts.
The flaps should be aligned when they are closed.



The scope of delivery includes two flaps up to a ridge of 30 m, which are already prepared with an eyelet for the traction rope, a round steel bracket for the locking device and the return spring (see picture on the right). If possible, the position for the locking technology should be chosen so that it is no more than 18 m away from the end of a locking section.
Additional locking devices are included for ridges over 30 m.

8. Before the locking system is completed, the items 3 + 4 of the assembly instructions for the Müller light and ventilation ridge "Deluxe" are to be executed first.

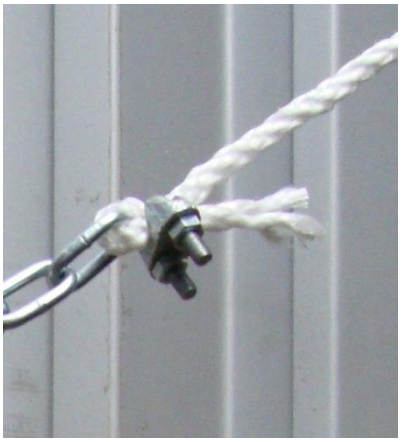
9. The snap hooks for the pulleys are attached to the frame on the left and right 100 mm from the top of the ridge with the 8 x 70 mm screw with washers and nuts. Now hang in the pulleys (see sketch on the right).

10. The eye bracket is attached to the frame with SX 5 drilling screws for the rope guide.
With the lower drilling screw, the snap hook of the return spring is screwed on at the same time (see picture on the right). Position the eye bracket on the frame so that the return spring is very slightly tensioned when the ventilation flaps are open.

11. Now guide the traction rope through the pulley and eye bracket on one ridge side and fasten it to the eyelet of the ventilation flap using a rope clamp (see pictures on the right).
Guide the other end of the traction rope to the point from which the ventilation control should controlled.
Two additional pulleys are included for further diversions.

12. On the other side of the ridge, also guide the traction rope through the pulley and eye bracket and fasten it to the eyelet of the ventilation flap with a rope clamp.
    The other end of the second traction rope is attached to the rope on the other side exactly between the two pulleys with a rope clamp. Both sides of the ridge can be closed or opened at the same time with one pull.
    Tensile force at 30 m ridge approx. 200 N (20 kg).

13. Finally, the chain is attached to the end of the traction rope with a rope clamp.



Opening and closing the ventilation flaps

When the traction rope is released, the ventilation flaps are open. The ventilation flaps can now be closed by pulling on the traction rope.
The flaps should be finally aligned in this position (see item 7).
To stay in the closed position, the chain is hung on a hook or screw (not included).