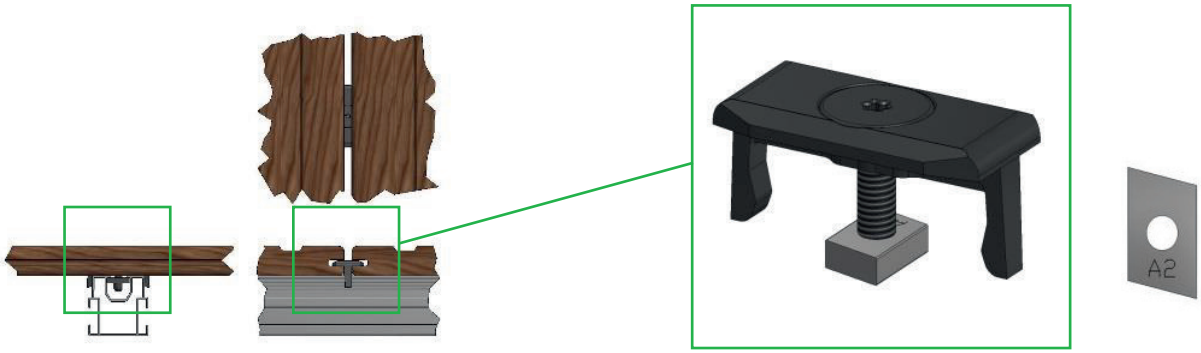
ONEWOOD®

ALUMINIUM TERRACE SUBSTRUCTURE SYSTEM ASSEMBLY INSTRUCTIONS V1

TYPE GIRDER 40x40 mm (WxH)

The Aslon® Terrace Substructure System is specially developed for a universal, straightforward, and swift assembly of terrace parts, which are equipped with a groove with a minimum height of 3,5 mm and a depth of 8 mm.

The system consists of a recycled aluminium girder 40x40 mm (WxH) and a plastic clip which is adjustable in height, with a stainless steel bolt and nut.



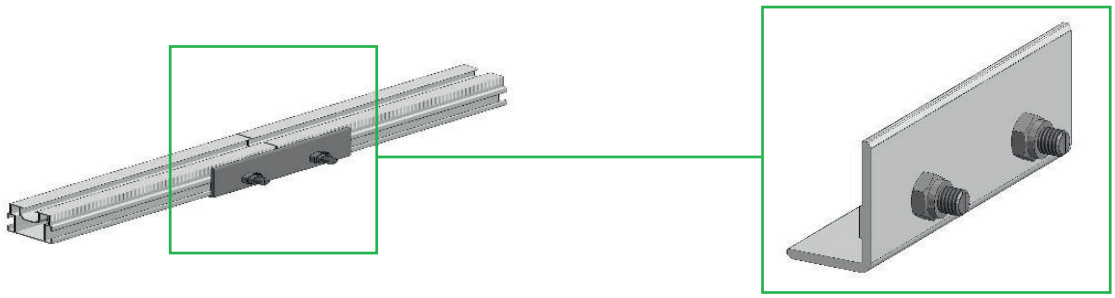
INSTALLING THE ALUMINIUM GIRDERS

Place the aluminium girders (substructure) in accordance with the Onewood assembly manual.

THE COUPLING OF THE ALUMINIUM GIRDERS

The aluminium girders can be coupled using a special coupling piece. The aluminium girders expand approximately 0.23 mm at a temperature difference of 10 °C. With larger surfaces, calculate the expansion and contraction carefully before beginning assembly.

The coupling piece can easily be fastened into the slot of the profile with hammerhead bolts. Allow for a minimum slack of 10–15mm between the aluminium girders and walls or fixed objects (depending on the length and width of the terrace). After this, tighten the M8 nuts.



RUBBER BASE PLATE

The rubber base plate measuring 100 x 100 x 10 mm (LxWxH) is used to counter impact sound and ensures that the aluminium girder does not directly come into contact with the ground or roofing.

This ensures good drainage, ventilation, and prevents water damage. Place the rubber base plates longitudinally underneath the aluminium girder every 500 mm.

FASTENING THE ALUMINIUM GIRDERS

The aluminium girders can be fastened onto a concrete surface using the multi-purpose angle brace.

Drilling into, for example, a concrete floor, a tiled floor, or other materials is always at your own risk.

The aluminium girders can be fastened onto wood or hardwood picket constructions using the angle brace. The angle brace can be attached to the aluminium girder using a hammerhead bolt and nut, which are provided alongside the angle brace.

FRAMEWORK CORNER JOINT

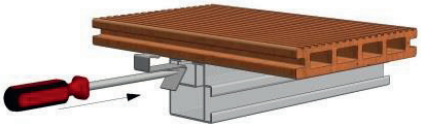
When the aluminium girders cannot or may not be fastened in a fixed position, a dimensionally stable framework needs to be constructed.

The aluminium girders can be joined at the corners using the multi-purpose angle brace. Use the rubber base plates underneath the aluminium girders.

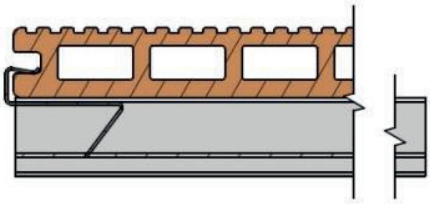
ATT! Never use the aluminium girders as a suspended and supporting construction. For special applications, contact your dealer.

BEGINNING

When the aluminium girders are in place, you can install the first terrace part with a screwdriver using the beginning clip.

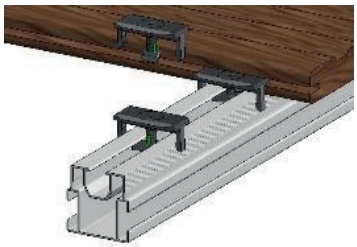


Once the first terrace part has been installed, you simply place the clips on the profile. Make sure that the long end of the hammerhead nut is positioned along the direction of length of the aluminium girders.



The clip remains in the correct position because of the grip of its legs. You can now slide the clip into the groove of the terrace part. Repeat this process for all following terrace parts.

You can now tighten the screws between the terrace parts finger tight with a special bit; use the machine's slip mode to do this.



NECESSARY TOOLS

For processing the aluminium girders, you can use a handsaw, a jigsaw, or a crosscut saw (**ATT:** use the right sawblade; consult your dealer).

For tightening the clips, you can use hand tools or a drill. **ATT:** preferably use the slip mode when tightening the clips; finger tight is sufficient.

Use a socket wrench to tighten the coupling pieces and the multi-purpose angle braces. Always use the appropriate protection equipment to process the material: goggles and hearing protectors. Follow to the safety regulations provided by the manufacturer of the power tool.

Assemble the clips with the bolts and nuts in accordance with the manual that can be found inside the packaging.