

SOLARBLOC[®]  PRETENSADOSDURÁN

Trough Extension System **SOLARBLOC**[®]

**PIONEERS IN THE INNOVATION AND
DEVELOPMENT OF CONCRETE
STRUCTURES FOR SOLAR
PANELS.**

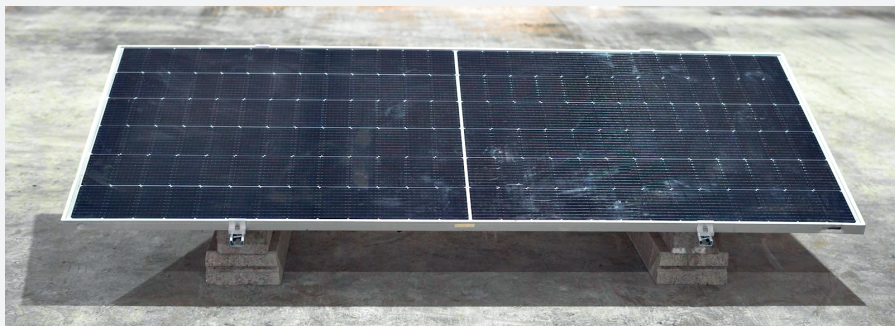
SOLARBLOC® Trough Extension System



- SOLARBLOC structures have continuous concrete troughs that **allow accessories to be attached for solar panel installation.**

The trough extension system is comprised of sections of metal profiles attached to the SOLARBLOC structures on which the solar panels are rested, fixed in place with the required spacing between clamps.

Furthermore, it enables the solar panels to be installed in any configuration, whether vertically or horizontally, or attached along their width or length.

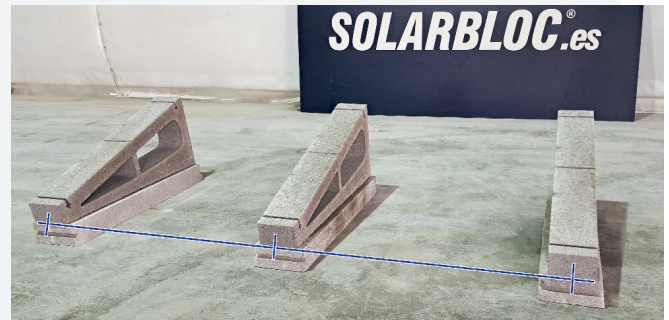


ASSEMBLY STEPS

SOLARBLOC® TROUGH EXTENSION SYSTEM

1.

Position the SOLARBLOC structures on the roofing or flat surface with the necessary spacing between the centre-lines of the panels depending on their width or length and the attaching clamp, depending on the type of installation (1V/1H).



2.

Install the rail extenders, using the corresponding bolts, on the SOLARBLOC structures. The solar panels are then installed on these.

This system uses rail extenders measuring 200 mm and 400 mm in length, allowing them to be adapted to most solar panels.



***For the installation of panels in a vertical position (1V):**

For each row, the number of SOLARBLOC structures required to clamp the solar panels along the length is calculated as follows: **Nº. of panels + 1.**

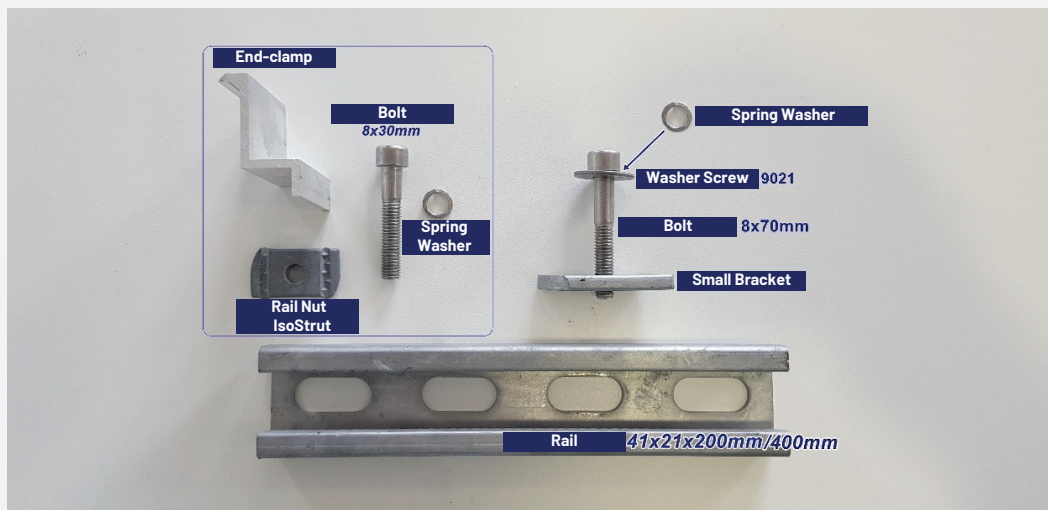
(Example for two solar panels)



ASSEMBLY STEPS

TILT AND SURFACE IRREGULARITY COMPENSATION SYSTEM FOR ROOFING

Position the **rail extenders** for **end-of-row** SOLARBLOC supports **face down** and use **M8 × 70 mm bolts** to attach them to the SOLARBLOC structures. Use **end-clamps** to secure the panel in place (see the detail drawing below).

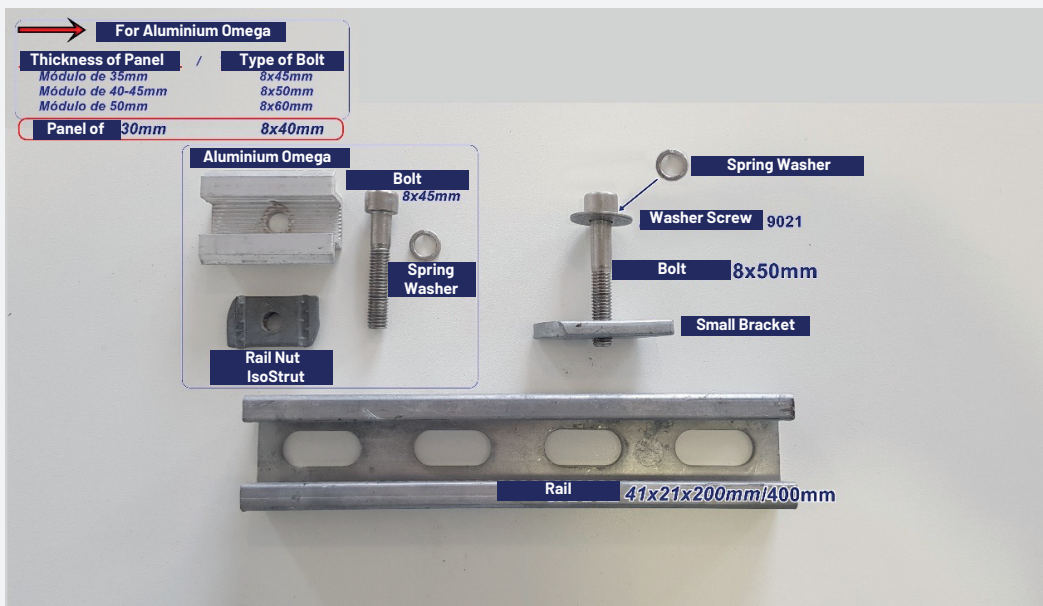


*MAXIMUM TIGHTENING TORQUE: 17 Nm

ASSEMBLY STEPS

TILT AND SURFACE IRREGULARITY COMPENSATION SYSTEM FOR ROOFING

Conversely, position **the rail extenders for middle SOLARBLOC supports face up and use M8 × 50 mm bolts** to attach them to the SOLARBLOC structures. Use mid-clamps (**omega**) to secure the panel in place (see the detail drawing below).



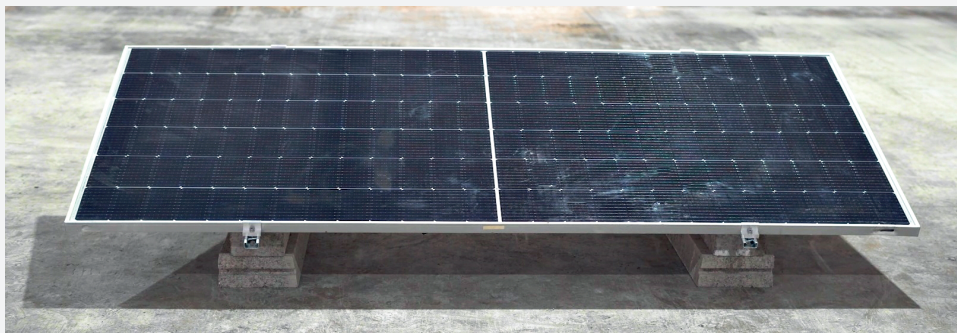
*MAXIMUM TIGHTENING TORQUE: 17Nm

ASSEMBLY STEPS

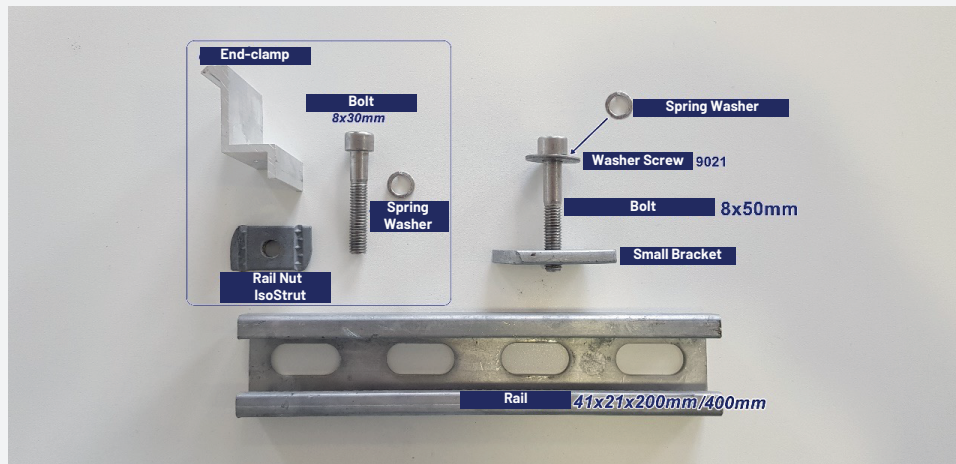
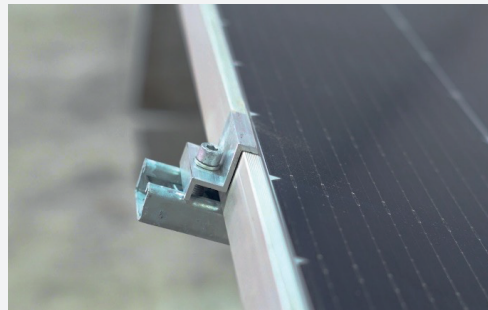
TILT AND SURFACE IRREGULARITY COMPENSATION SYSTEM FOR ROOFING

***For the installation of panels in a horizontal position (1H):**

Install the solar panels in a horizontal position, securing them along their length. Each panel **requires two SOLARBLOC structures**.



Install all the rail extenders face up and use M8 × 50 mm bolts to attach them to the SOLARBLOC structures. **Use end-clamps** to secure the panel in place (see the detail drawing below).



*MAXIMUM TIGHTENING TORQUE: 17Nm

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