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MOUNTING INSTRUCTION FOR UNIVERSAL ADAPTER ON WOODEN SUBSTRUCTURE

TOOLS NEEDED

- Tape measure
- Screwdriver with socket wrench holder

For cross connector:
- Bit T40

For hanger bolts M10:
- SW7 socket wrench
- SW15 open-end spanner
- Drill bit 7 mm, 15 mm

For hanger bolts M12:
- SW9 socket wrench
- SW18 open-end spanner
- Drill bit 8.5 mm, 16 mm

OTHER DOCUMENTS REQUIRED

- General installation manual – installation and project planning
- Universal adapter product sheet

TIGHTENING TORQUES

Screw connections M6: 8 Nm
Screw connections M10: 30 Nm
Screw connections M12: 50 Nm
**SICHERHEITSHINWEISE**

- Planning, installation and commissioning of the photovoltaic system must only be performed by qualified technical personnel. Improper execution can result in damage to the system and endanger persons.

- Falling hazard! Working on the roof as well as ascending and descending poses a risk of falling. It is vital to observe accident prevention regulations and use appropriate fall protection equipment. PV mounting systems are not suitable as climbing aids or fall protection.

- Injury hazard! Falling objects pose a risk of injury to people. Prior to installation, set up barriers in the hazard area to warn people who are in the vicinity!

- Break hazard! PV modules may be damaged if stepped on.

- Electrical current hazard! Installation and maintenance of the photovoltaic system must only be performed by qualified technical personnel. Observe the safety instructions issued by the PV module manufacturer!
1. PRE-DRILL FIXING POINTS

At the top flange of the trapezoidal sheet or at the high point of the corrugated sheet:

For hanger bolts M10: 15 mm
For hanger bolts M12: 16 mm

Timber purlins or rafters:

For hanger bolts M10: 7.0 mm
For hanger bolts M12: 8.5 mm

2. SCREW IN THE HANGER BOLT

Minimum screw-in depth according to national technical approval (abZ) / European Technical Assessment (ETA) of the hanger bolt:

For hanger bolts M10: 40 mm
For hanger bolts M12: 48 mm
3. TIGHTEN THE SEAL

- Tighten the EPDM sealing rubber with the flange nut until it is lightly compressed.

4. INSTALL THE UNIVERSAL ADAPTER

- Remove the upper nut.
- Adjust the required height using the middle nut.
- Place down the universal adapter and screw it tight with the upper nut.
5. PROFILE ASSEMBLY

5.1 Assembly with screw connection

- Insert the M10 square head screw into the lower groove of the profile.
- Place the profile on the universal adapter and tighten it with M10 flange nuts.

5.2 Assembly with cross connector

- Hold the cross connector crosswise and insert it with the T-anchor into the upper slotted hole of the universal adapter.
- Turn cross connector 90°.
- Press the Rapid anchor (pointed down) into the lower slotted hole.
- Put the profile on and tighten the cross connector.

Uno:
Duo:

More information on our systems can be found at our website:
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