

INSTALLATION MANUAL

COLLECTOR FIXINGS
free standing (item number 20070)

suitable for df and hp collectors



AKOTEC
SOLARTHERMIE



Notes

General safety information:

Solar thermal collectors generate heat under solar radiation. All components such as tubes, connectors, sensors etc. carry the risk of injury from hot surfaces. In addition, solar thermal systems are operated with overpressure. Opening a solar thermal system can cause steam or hot water to escape. Persons working on solar thermal systems have to consider this, to wear protective clothing and to adopt safe working practices.

The tube sets have to be transported horizontally. A maximum of seven cartons may be stacked on top of each other. Our mounting sets are suitable for snow load zones 1 and 2. Collectors must not be installed in the roof edge areas of one meter because of increased turbulence. In stormy areas, separate static calculations must be carried out.

Work on the roof:

For accident protection suitable measures must be taken when working on the roof. Familiarize yourself with the accident prevention regulations for construction work by your trade association or let yourself be instructed by suitable persons.

For safe installation of the solar components the following points must be observed :

- fall protection must be used for assembling the collectors
- the safety regulations must be observed when using leaning ladders
- secure jobs on steep roofs
- safety glasses and gloves are mandatory when working with angle grinders
- during assembly and operation, collectors can reach a standstill temperature of up to 200 °C by incident light
- at the supply and return connections there is a risk of burns

Occupational safety information

- wear helmet, hearing protection and safety glasses!
- put on a fall protection!
- only touch glass tubes with gloves!



Required tools:

- drilling machine
- measuring tape (folding rule)
- spirit level
- open-jawed spanner SW 13
- socket spanner SW 13
- hammer
- angle grinder





free standing (item number: 20070)
**for mounting the AKOTEC collectors on a flat roof
or as a free-standing installation**

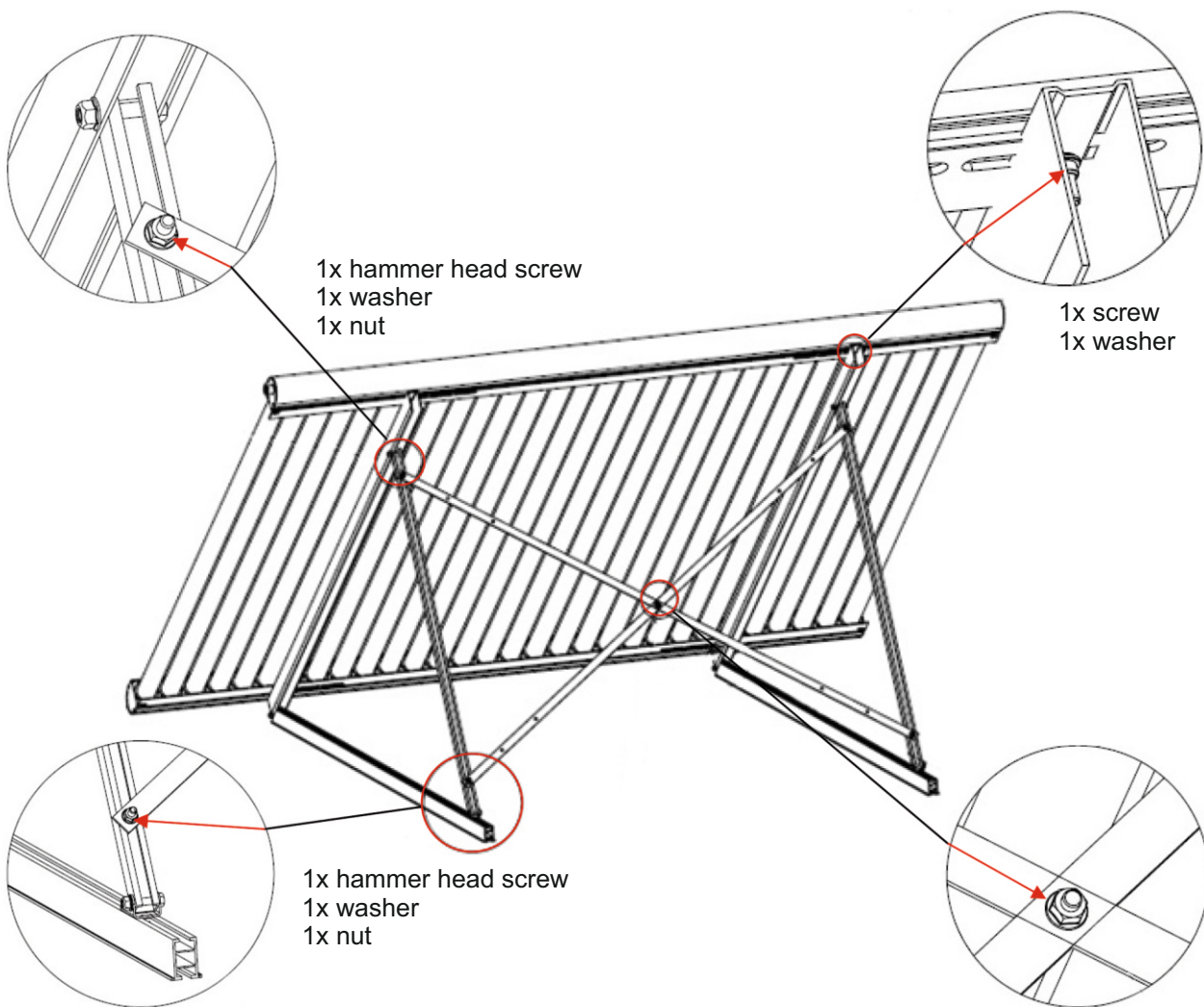
scope of delivery:

- 2x adjustable triangle
- 2x screw M8x40
- 2x nut M8 for locking teeth
- 1x washer M8
- 1x diagonal bracing set consisting of
 - 2x strut
 - 4x hammer head screw
 - 5x nut M8
 - 5x washer M8

free-standing assembly:

The two pre-assembled triangles have to be opened.
The U-connector with the attached support rail must be moved in the base rail until the desired angle is reached.

The two stiffening struts are attached on one side to the support rail of the first triangle using the hammer head screws and the locking tooth nuts.
Depending on the collector width and the distance of the triangles according to the table, the different elongated holes of the stiffening struts are used.
The second triangle is positioned parallel to the first.
The distances (clear width) between the two triangles depend on the type of collector.



important:

**Please observe all planning, assembly and commissioning instructions.
These are available for you at any time at:
<https://www.akotec.eu/english/about/downloads/>**

WE ARE GLAD TO BE HERE FOR YOU:



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