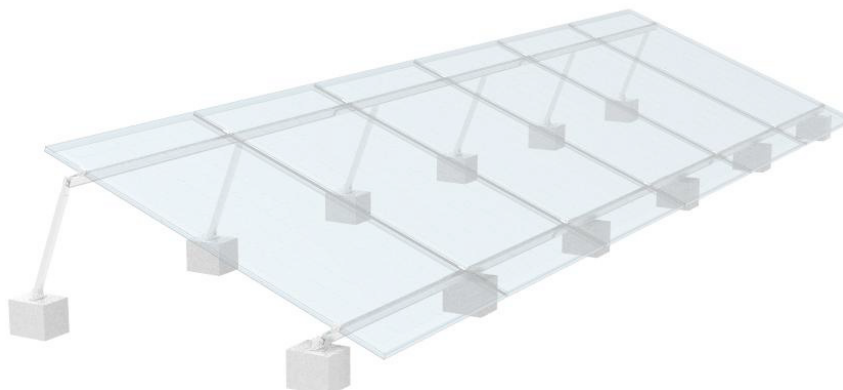
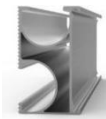


Installation Manual



COMPONENTS LIST

Overview of system components

Part name	Picture	Part name	Picture
Rail		Rail Joiner	
End Clamp		Mid Clamp	
Front leg		Rear Leg	
Earthing Washer		Grounding Lug	

Note: The quantity of requested components depends on the system you ordered.

BEFORE INSTALLING

Receipt of goods

Check that all equipment is undamaged and that the order is complete. Check for correct quantities of the items.

Tools required for installation

6 mm Allen key or hexagonal driver bit.

If using a 6mm driver bit, make sure the cordless power tool used for the driving has a hand-tight clutch setting a fine (soft) impact drive to prevent damage to the fragile glass panels and threads on the structure.

Cordless drill.

Drill or impact driver for driving roof material fixings

Angle grinder.

For terracotta tile roof installation, and angle grinder fitted with a continuous edge diamond tipped tile cutting blade; gloves, hearing protection, a face protection mask, and a suitably rated breathing protection mask for all people in proximity of grinding

Gloves.

Protect the hazard of the sharp corners.

Cord or color pen.

Mark the installation position.

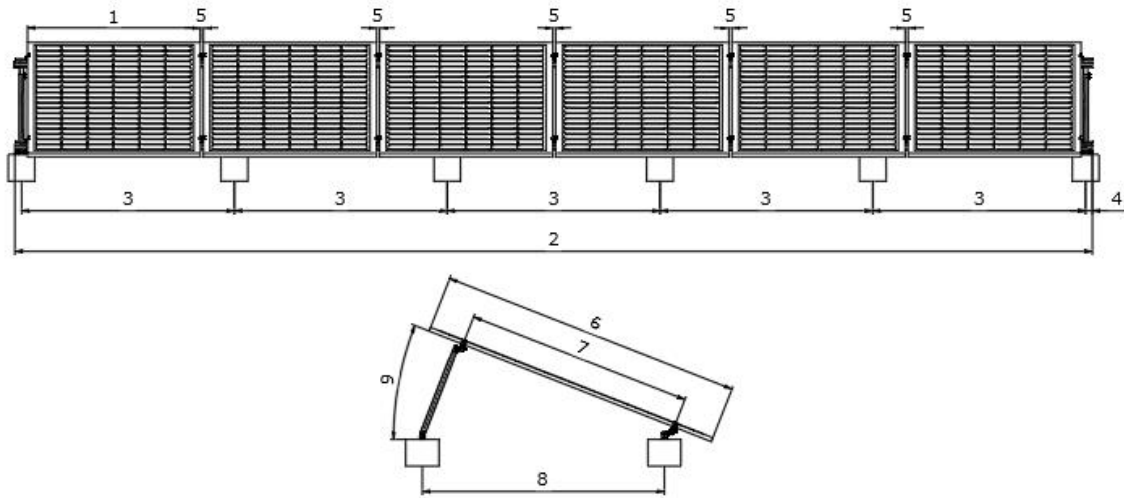
Spirit level

Measuring tape



INSTALLATION INSTRUCTION

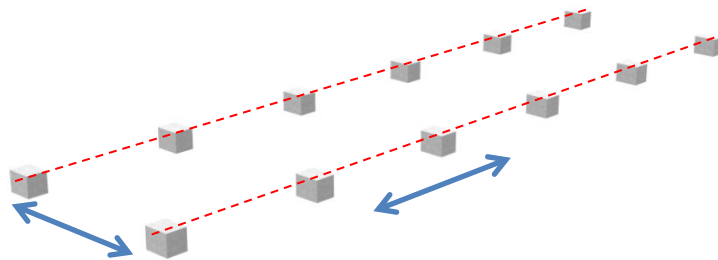
DESIGNING YOUR TILT SYSTEM



1. Width of the module;
2. Total length of rail: number of modules horizontally x (width of the module + 21 mm) + 178 mm
3. Distance between footings horizontally;
4. Cantilever Length;
5. Distance between modules: 21 mm
6. Length of the module;
7. Distance between clamps;
8. Front and Rear Space;
9. Adjustable degree: 19-32deg

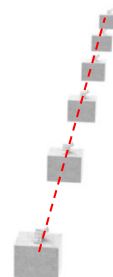
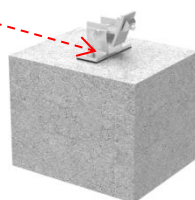
INSTALLATION STEPS

1. Refer to the layout plan and locate the concrete blocks.

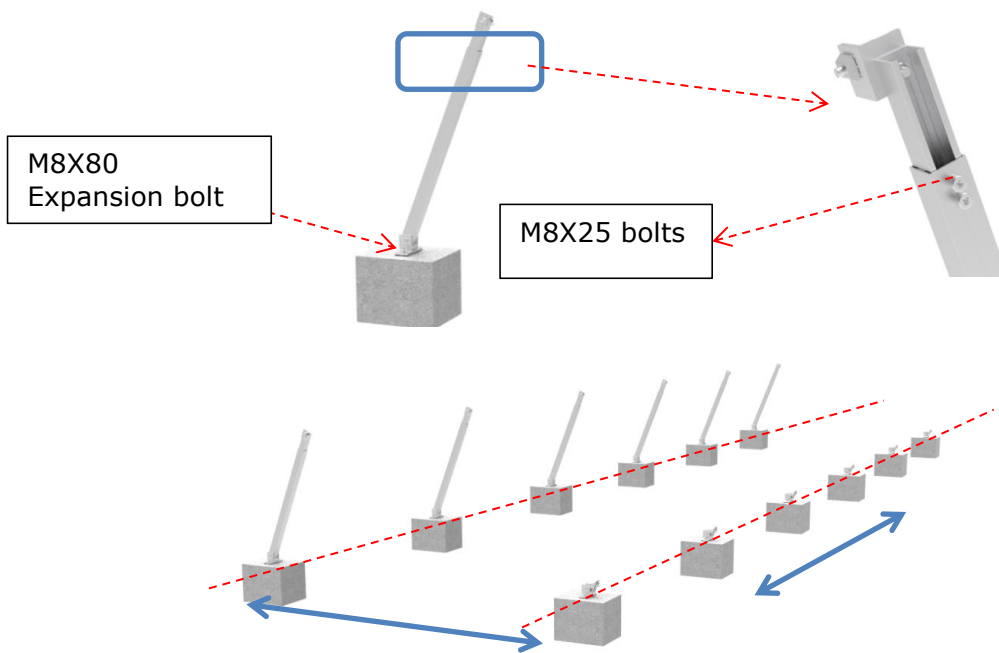


2. Locate the front legs in the center of the concrete blocks, make sure all front legs are in a line. Then fix the front legs onto the concrete blocks with expansion bolts.

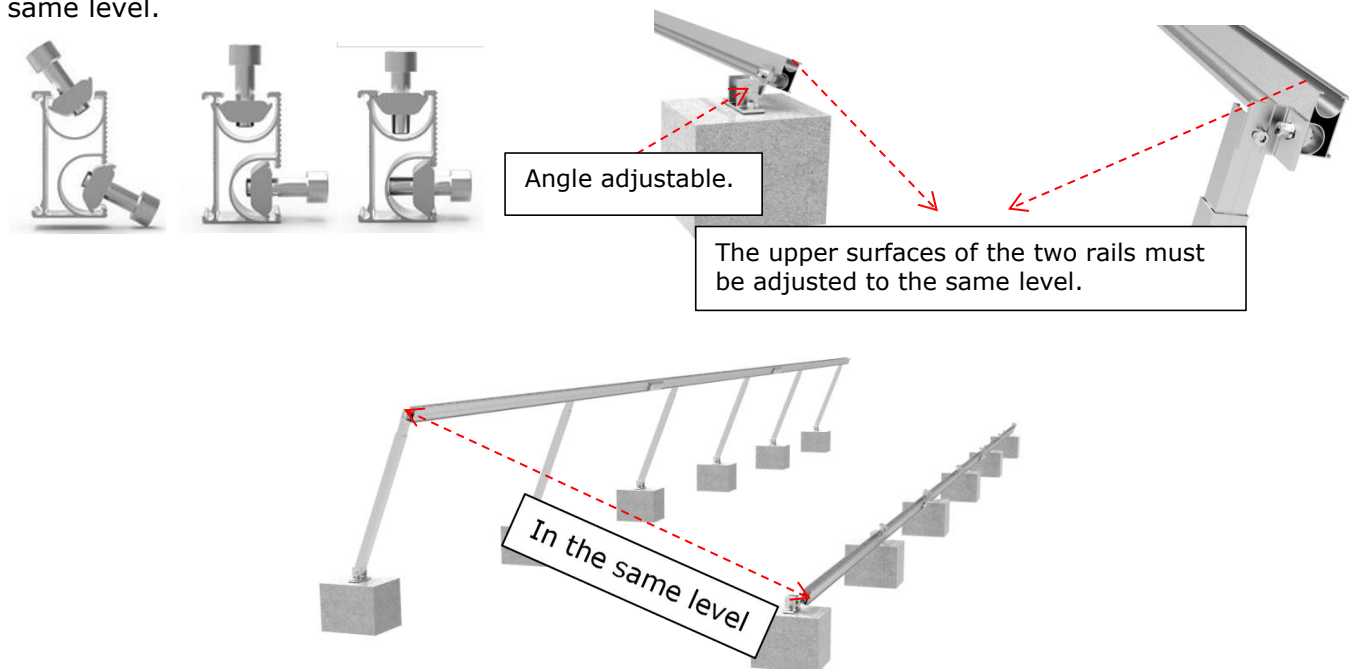
M8X80
Expansion bolt



3. Locate and fix the rear legs the same way as front legs, adjust the telescopic legs to the desired length/angle and tighten 2pc-M8*25 bolts to fix the length.



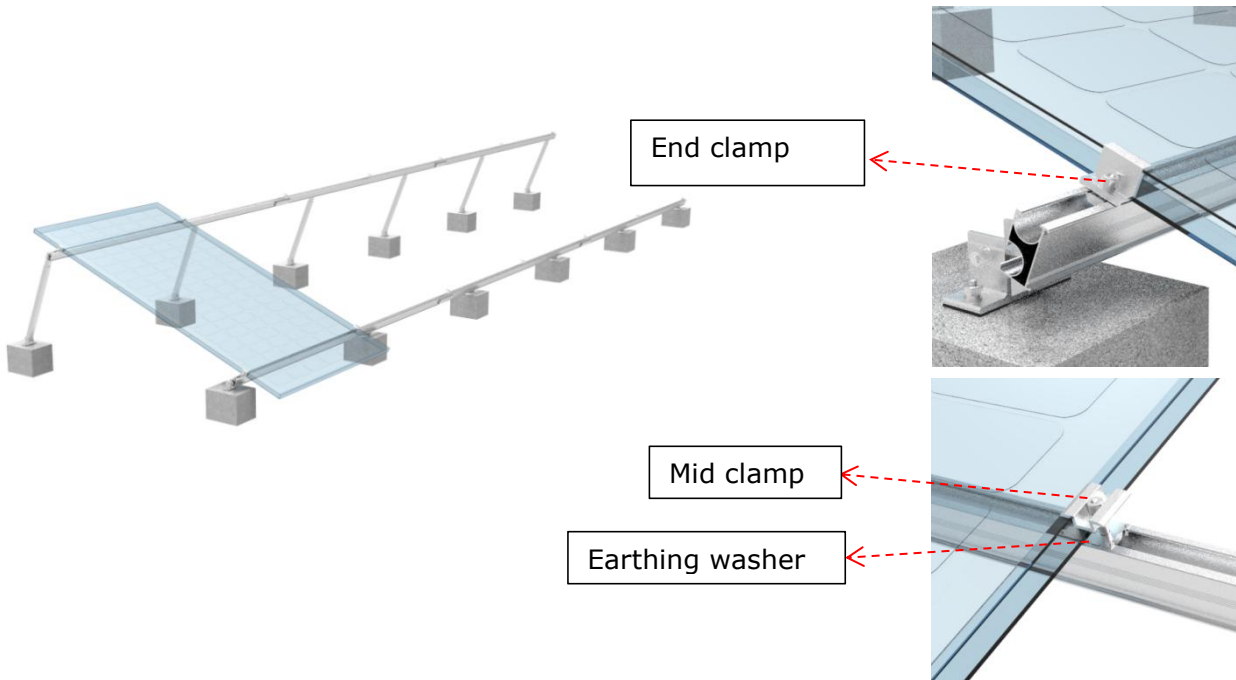
4. Install the rails. Slide the channel nut into the rail channel and fasten it loosely with 2 to 3 turns of the screw. Adjust the angle of front and rear leg so that the upper surfaces of the rails are in the same level.



5. If you need to connect multiple rails together, slide the splices on the rear side of the pre-assembled rails halfway to the side. Fasten the first M8 bolt firmly using the Allen key. Now slide the next rail segment into the splice. Tighten the second M8 bolt. The connection is finished.

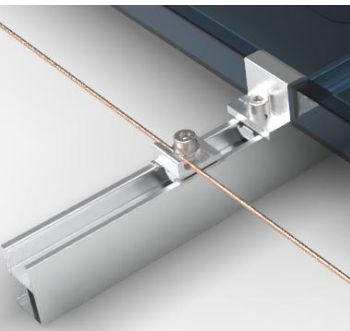


6. Install solar panels and fix them on to rails with end & mid clamps (Torque 12NM).

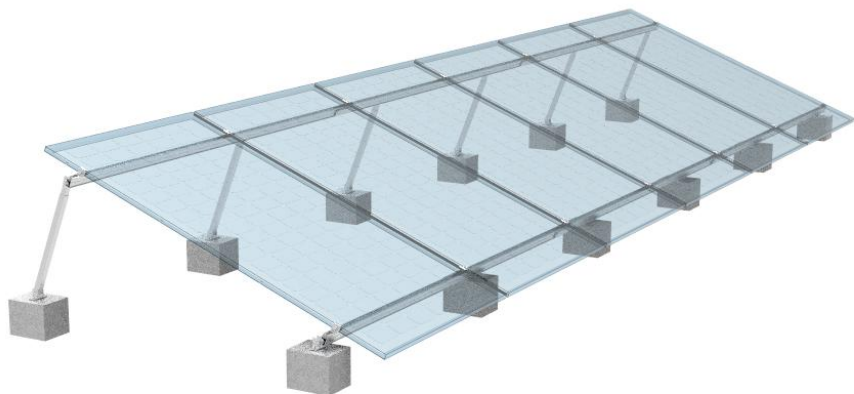


7. Install the grounding lug

Install the grounding lug at the end of the rail, either on the left or right end.



8. Completed:



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