



## **I S O F L A T S**

### Flat Roof Mounting System

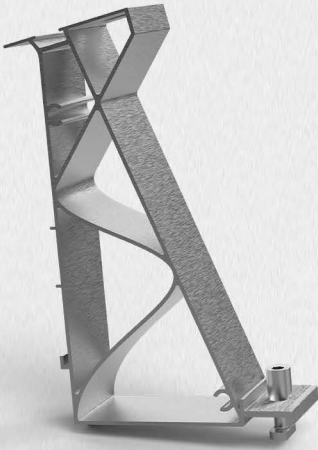
- Wind tunnel tested
- Easy installation with pre-assembled parts
- One tool installation
- Fastening without roof penetration
- Compatible with membrane roofs



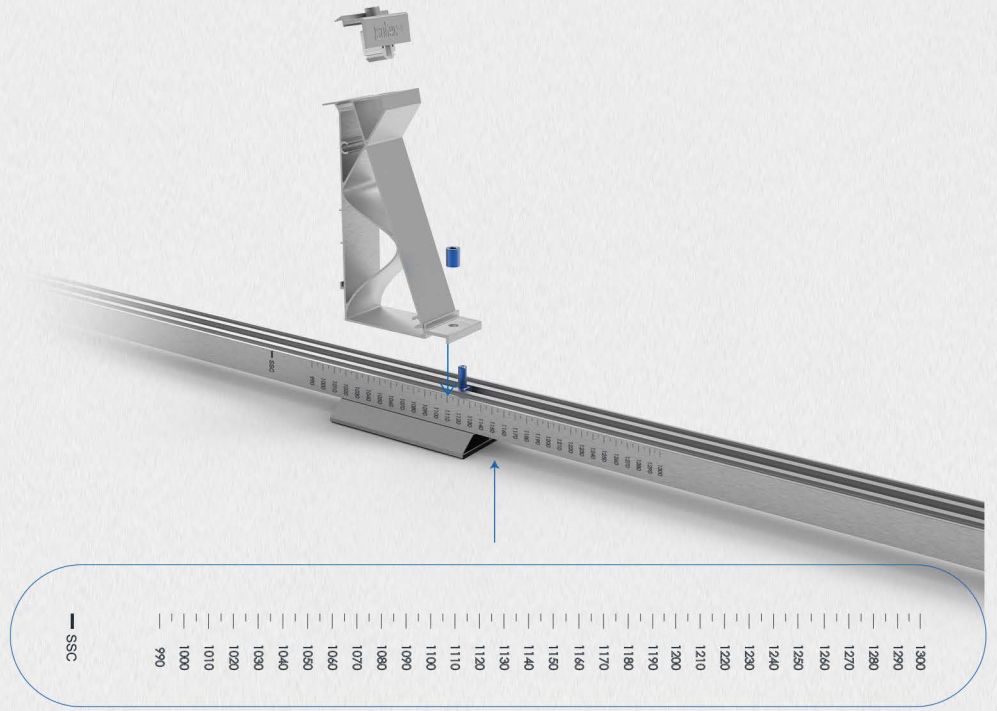
## INSTALLATION



EasyClamp Middle  
EasyClamp End



ISOFLAT BS3



1. Position the back support according to the size of your solar panel (BS.3)
2. Put the T edge on the rail and turn the back support 90°
3. Put the T bolt in the rail and tighten it



ISOFLAT Connector 150

ISOFLAT Connector 350

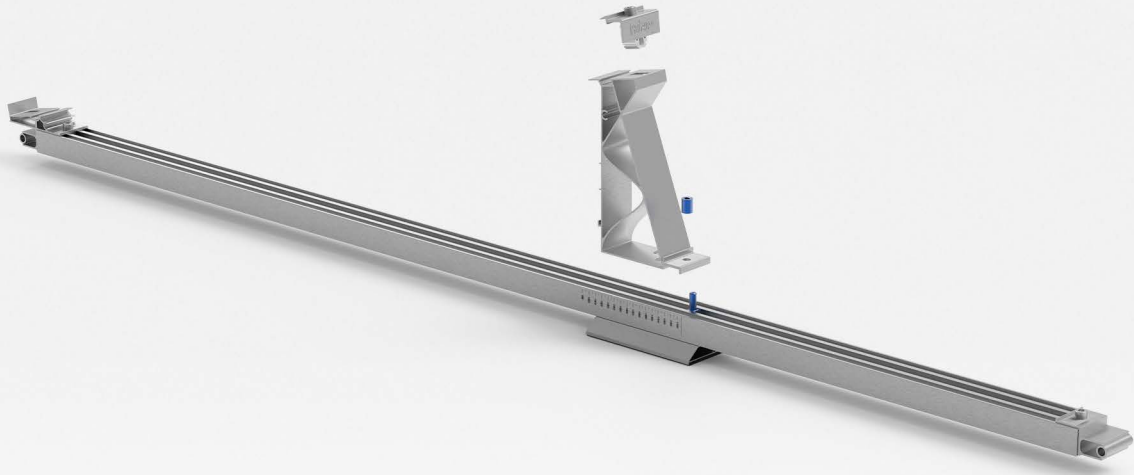


With the help of the ISOFLAT Connector part, the rail set thread together and secure with pin

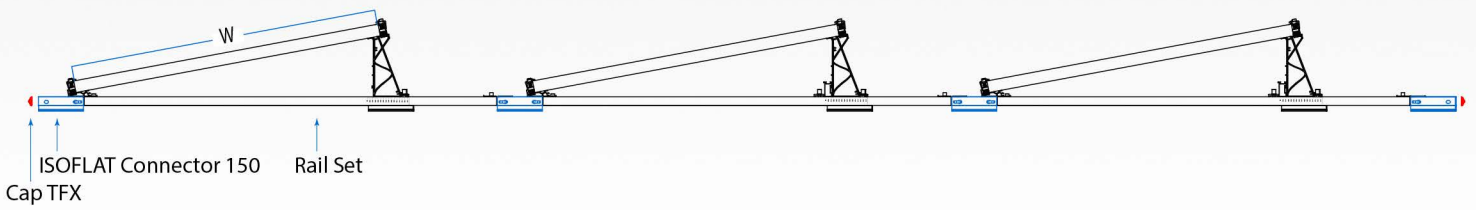


Cap TFX

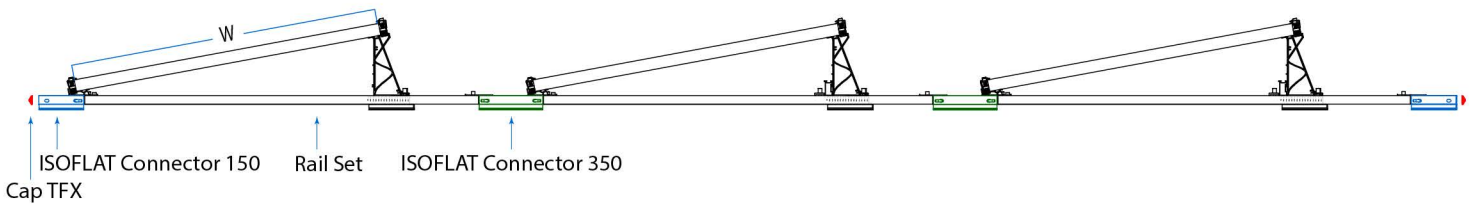
# RAIL SETTING



for  $W < 1040$  mm;

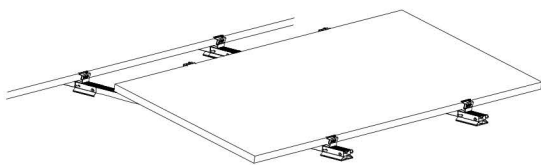


for  $1040 \text{ mm} < W < 1303$  mm;

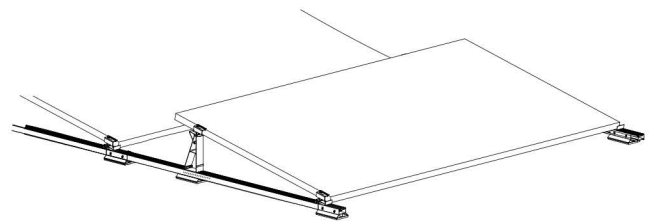


The guide section on tfx rails facilitates panel **long side** mounting.

The guide point on the tfx rails facilitates panel **short edge** mounting.



Pv module **long side** installation  
for high strength or 72 cells modules

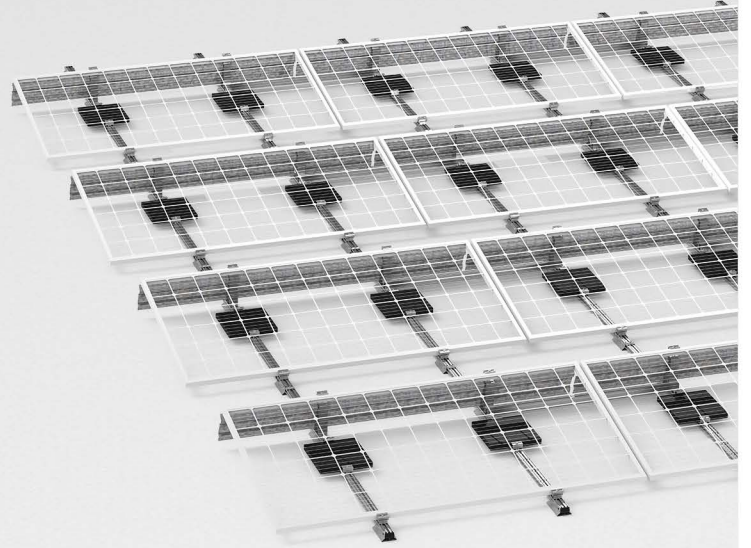
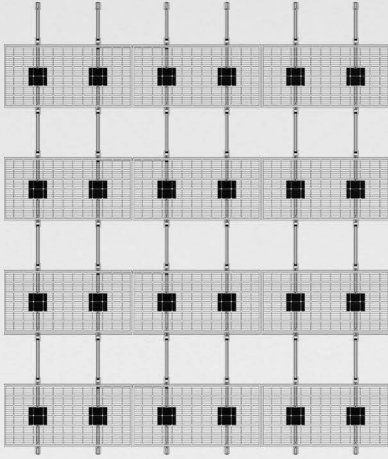


Pv module **short side** installation  
for economical solutions or 60 cells modules  
(with pv module manufacturer's approval)



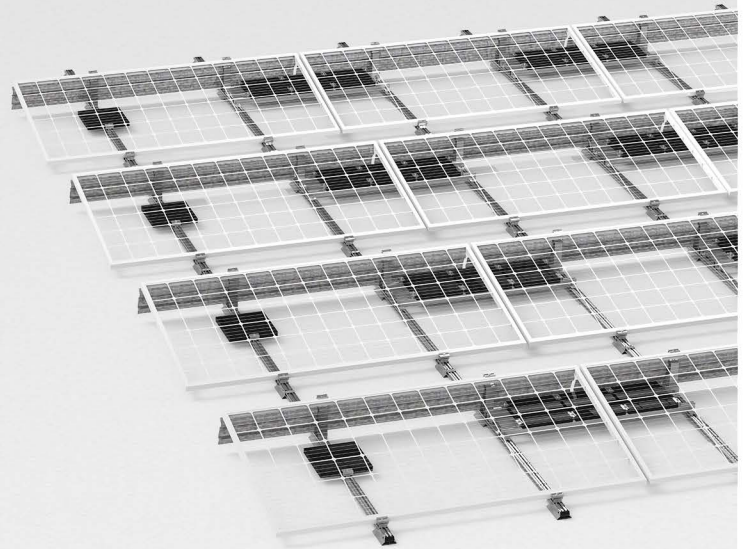
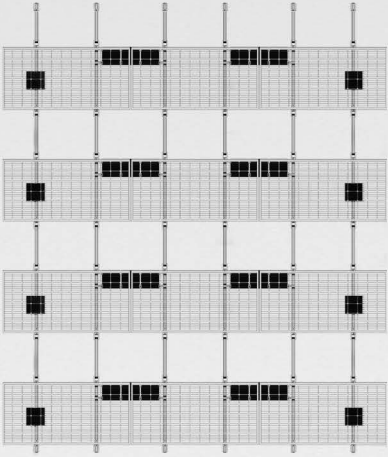
## FIXATION TYPES

### 1. STANDARD



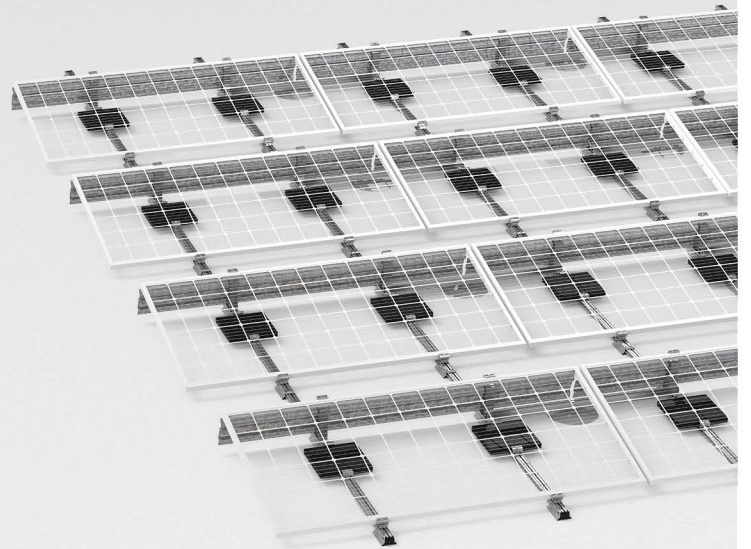
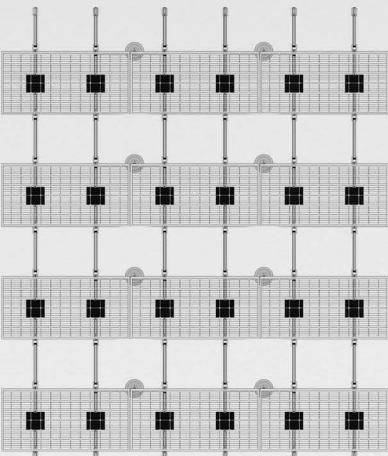
The required ballast are placed directly on the rails.

### 2. MEDIUM LOADS



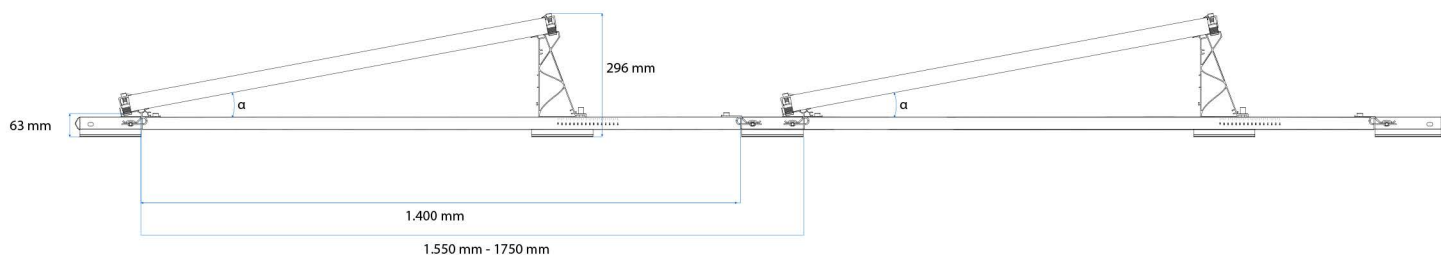
Additional ballast can be placed with extra carrier rails.

### 3. MAX. LOAD



Anchoring system can be combined with ballasts when too much load is required to fix the structure.

## TECHNICAL DATA



Scope of application	Flat roofs, concrete, bitumen, sheets, green roofs, gravel or trapezoidal sheets
Compatible PV modules	L : 1.640 mm - 2.400 mm
	W : 990 mm - 1.303 mm
	H : 30 mm - 45 mm
Fixation	Ballast, Anchor, IMC
Inclination angle	8° - 12° depending on pv module size
Materials	Profile, clamps : Aluminium 6063 - T66
	Supports : EPDM protection
	Fasteners : Stainless A2-70
Technical specifications	Thermal separation after a maximum of 15m
	Minimum distance to the edge of the roof 550mm
	Should be fixed to the parapets when roof slope exceeds 3%



Wind loads on the "ISOFLAT S v3"  
solar ballasted roof mount system

