

# SS189 Portrait - H2100 HELIOS Free Field

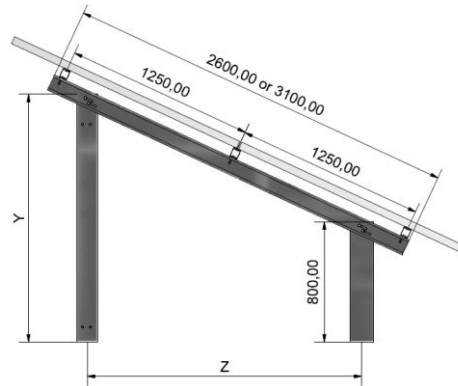
**SS189** is the best solution for free field application with pile foundation.

It can support all kind of panel alignment (**portrait, landscape**) and can be designed for the optimum inclination angle.

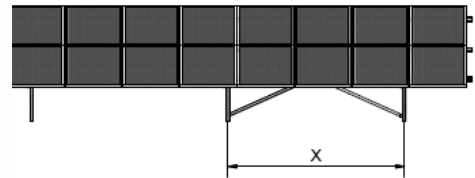
Hot-dip galvanized steel with coating 80µm for corrosion resistance is the raw material for the two piles and the inclined beams, which they are combined with horizontal aluminum beams (alloy 6005A) and offer the best possible spans between triangles.

The static study that accompanies each project according to meteorological and soil conditions provide the necessary security to installer.

Certified according to Eurocodes and with a 20 years warranty according to warranty conditions is delivered on the field in pre-assembled triangles and offers flexibility, security and speed to installers in every large scale free field photovoltaic installation.



X: According to static report  
 Y: According to static report  
 Z: According to static report



## Materials

- Aluminum Alloy 6005T6
- Hot dip Galvanized pile C type
- Polyamide part to prevent direct contact between steel and aluminum parts
- Inox Screws

## General characteristics

- Series: H2100
- Type: SS189
- Application: Free field
- Alignment: Portrait
- Inclination: 10° – 35°
- Foundation: Pile ramming or pile combined with concrete
- Special characteristics: Pre assembled

## Certification

- Static Analysis According Eurocodes 1,3,9
- ISO 9001 / ISO 14001
- Technical Manual
- Alumil 20 Year Guarantee

## PRODUCT ACCESSORIES

### Purling Codes\*

EX-8960740300	PROFILE H2174 OF LENGTH 6200mm
EX-8960740200	PROFILE H2174 OF LENGTH 4200mm
EX-8960740100	PROFILE H2174 OF LENGTH 2100mm
EX-8960906000	PROFILE H2190 OF LENGTH 6200mm
EX-8960904000	PROFILE H2190 OF LENGTH 4200mm
EX-8960902000	PROFILE H2190 OF LENGTH 2100mm

### Galvanized Steel Accessories

EX-BACK PILE	BACKPILE C (based on the structural design)
EX-FRONT PILE	FRONTPILE C (based on the structural design)
EX-BRACKET	BRACKET (based on the structural design)
EX-INCLINED BEAM	INCLINED BEAM (based on the structural design)
EX-WINDSHIELD	WINDSHIELD (based on the structural design)
EX-CONNECTOR	L CONNECTOR
EX-PLASTIC CAP	PLASTIC CAP SS189

### Aluminum Accessories

EX-8960260000	COMPRESSION PLATE SMALL 40mm
EX-8960750000	CORE FOR PROFIL H2174
EX-8960910000	CORE FOR H2190
EX-8962307300	CONNECTOR FOR WINDSHIELD
EX-8960180200	MID CLAMP
EX-8960660000	CAP OF PANEL CLAMP WITH 55mm LENGTH
EX-8960XX0100	END CLAMP XX mm, L=55mm - depends on panel thickness
EX-8960740040	END CUP FOR H2174 PROFILE-RAL1003 YELLOW
EX-8960900040	PLASTIC END CUP FOR H2190 PROFILE -YELLOW

### Bolts & Nuts\*

EX-8968008103	T-SLOT NUT M8 ALUMINIUM
EX-762908XX01	HEX SOCKET SCREW ISO4762 M8x XX A2 INOX
EX-8968808201	HEXAGON NUT DIN6923 WITH SERRATION M8 INOX
EX-7627300801	SERRATED LOCK WASHER DIN6798-A M8 A2 INOX
EX-7626703201	DIN 7504-K SELF DRILLING SCREW 6.3x32 A2 INOX
EX-7622802001	HEXAGON SCREW M8X20 DIN933 INOX A2
EX-8968010201	SQUARE NUT DIN6923 M10 WITH SERRATION INOX
EX-7622803001	HEXAGON BOLT ISO4017/DIN933 M8x30
EX-7622102501	HEXAGON SCREW ISO4017 M10x25 A2 INOX
EX-8969122081	HUMMERHEAD SCREW WITH EPDM M8x22mm INOX

\*In large scale projects purlings can be produced in special lengths

**20 YEARS GUARANTEE**