

# SS189 Landscape - 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.



## Materials

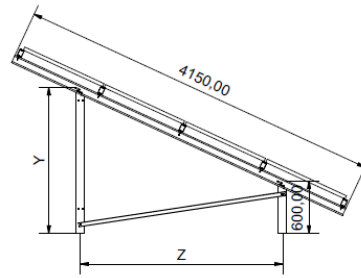
- Aluminum Alloy 6005T6
- Hot dip Galvanized pile C type
- Polyamide part to prevent direct contact between steel and aluminum parts
- Inox Screws

## General characteristics

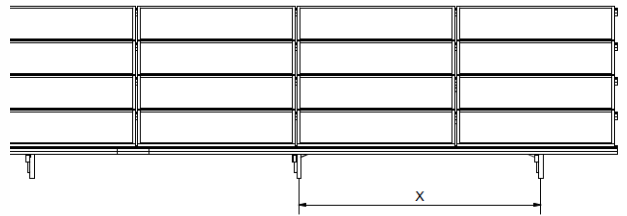
- Series: H2100
- Type: SS189
- Application: Free field
- Alignment: Landscape
- Inclination: 10° – 35°
- Foundation: Pile ramming or pile combined with concrete
- Special characteristics: Pre assembled

## Certification

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



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



## 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<br>- 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**