



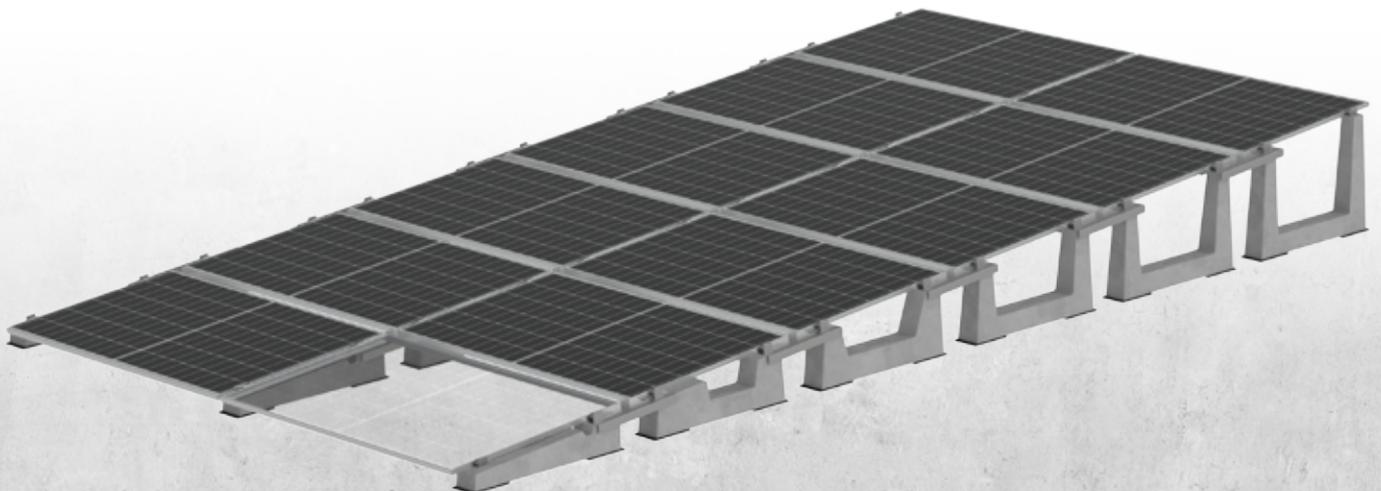
Made to last  
Patented systems

SINCE 2012  
IDEAL SOLAR  
MOUNTING SYSTEM  
FOR FLAT ROOFS

# Technical Sheet

## Sail 5°

ART.23005/.2/.3/.4/.5/.6



11/2025

# SAIL 5°

ART. 23005/.2/.3/.4/.5/.6



The Sail system with a 5° tilt angle allows for the installation of six consecutive rows of photovoltaic panels, with adjustable spacing between modules to fully optimize the available space. The ballasts can also be used in single-row configurations, ensuring easy and fast management of roof obstacles.

<b>Tilt angle</b>	5°
<b>Module positioning</b>	Horizontal – Short Side / Vertical – Long Side
<b>Compatible accessories</b>	Sheathing (KGN23115), Universal clamps (K23900/U.50, K23920/U.50), PowerClamp (K23900/PWC.50, 23920/PWC), Junction plate for Sail system (23811), Junction plate (K23804), U-Block (23015.CRP - 23030.CRP), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.160 - CW.CABLOWIND.185), No-Flex (K23712)

## BALLAST ART. 23005

<b>Ballast weight</b>	40 kg
<b>Quantity per pallet</b>	14 pieces
<b>Pallet dimensions</b>	1010x1020x417h mm
<b>Pallet weight</b>	573 kg

## BALLAST ART. 23005.2

<b>Ballast weight</b>	55 kg
<b>Quantity per pallet</b>	10 pieces
<b>Pallet dimensions</b>	950x730x627h mm
<b>Pallet weight</b>	560 kg

## BALLAST ART. 23005.3

<b>Ballast weight</b>	61 kg
<b>Quantity per pallet</b>	10 pieces
<b>Pallet dimensions</b>	950x730x838h mm
<b>Pallet weight</b>	620 kg

## BALLAST ART. 23005.4

<b>Ballast weight</b>	61 kg
<b>Quantity per pallet</b>	8 pieces
<b>Pallet dimensions</b>	970x590x1050h mm
<b>Pallet weight</b>	498 kg

## BALLAST ART. 23005.5

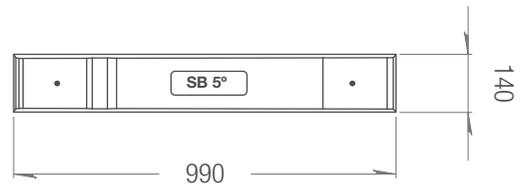
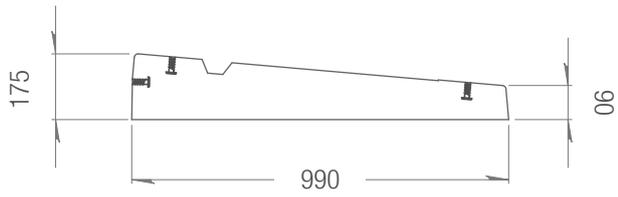
<b>Ballast weight</b>	61 kg
<b>Quantity per pallet</b>	8 pieces
<b>Pallet dimensions</b>	1100x670x629h mm
<b>Pallet weight</b>	500 kg

## BALLAST ART. 23005.6

<b>Ballast weight</b>	67 kg
<b>Quantity per pallet</b>	8 pieces
<b>Pallet dimensions</b>	1100x770x629h mm
<b>Pallet weight</b>	548 kg

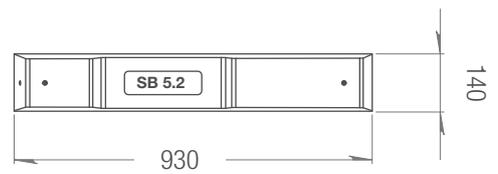
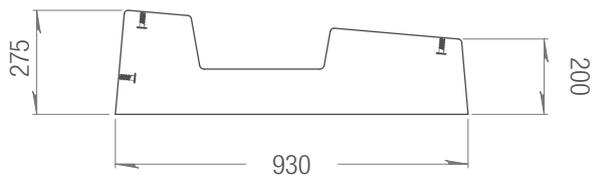
### BALLAST 23005 DIMENSIONS

---



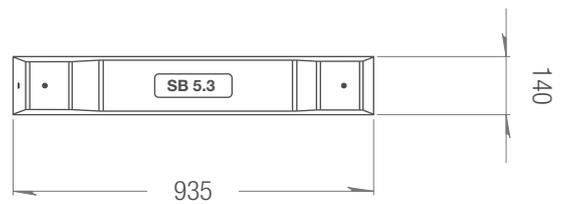
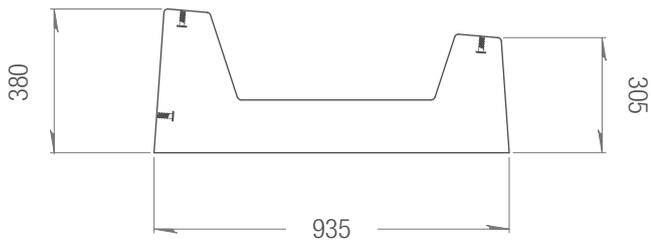
### BALLAST 23005.2 DIMENSIONS

---



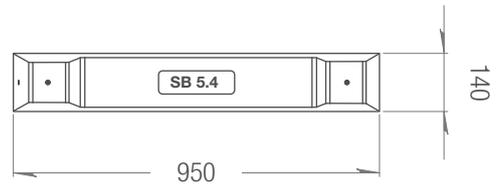
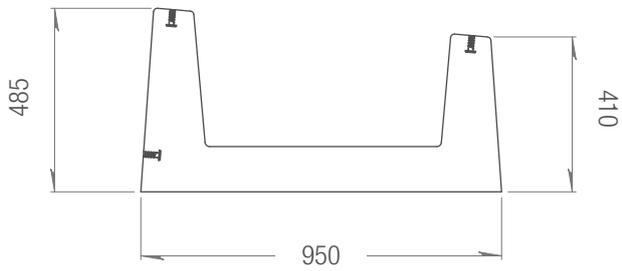
### BALLAST 23005.3 DIMENSIONS

---

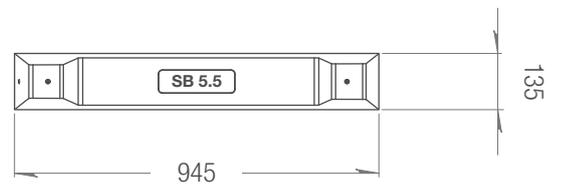
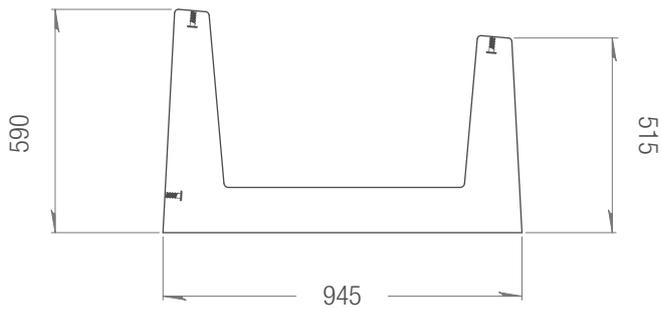


**BALLAST 23005.4 DIMENSIONS**

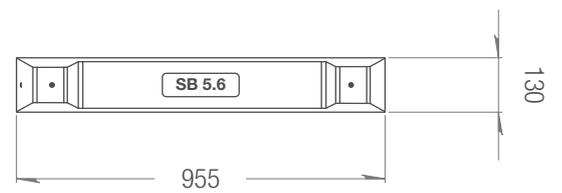
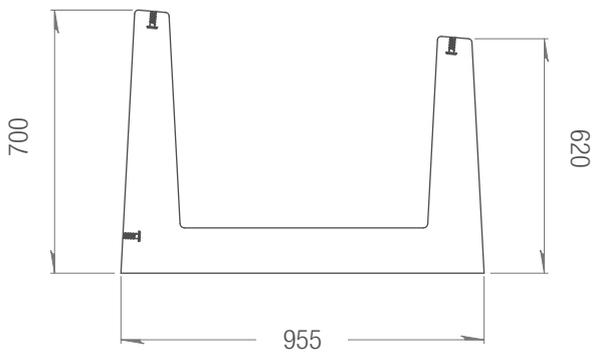
---

**BALLAST 23005.5 DIMENSIONS**

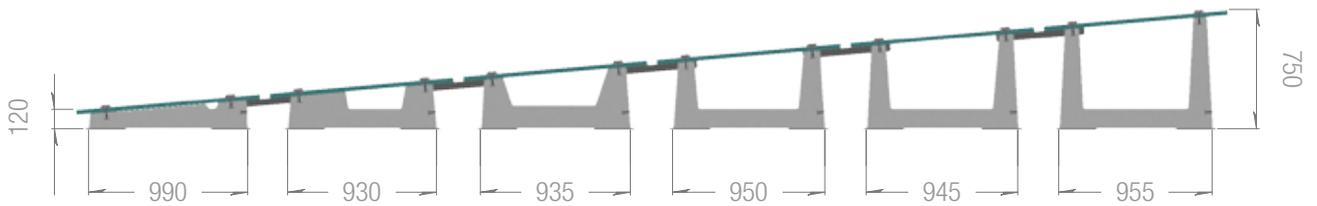
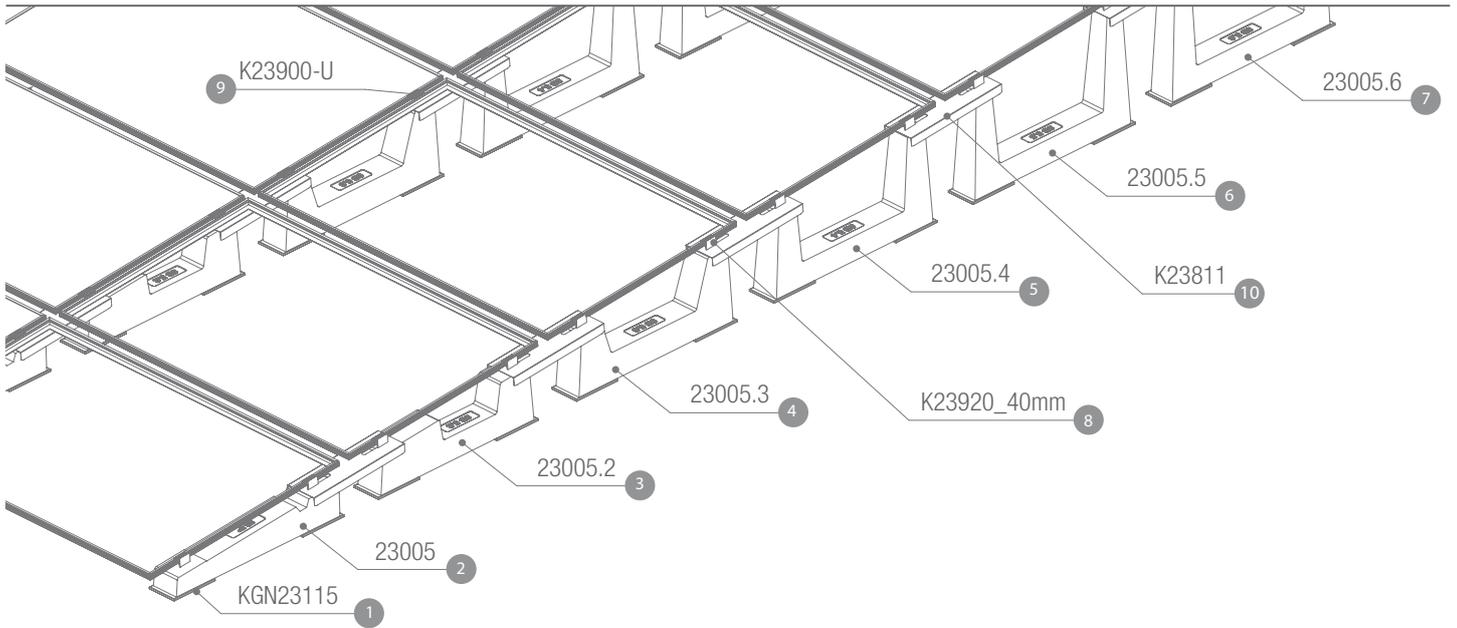
---

**BALLAST 23005.6 DIMENSIONS**

---



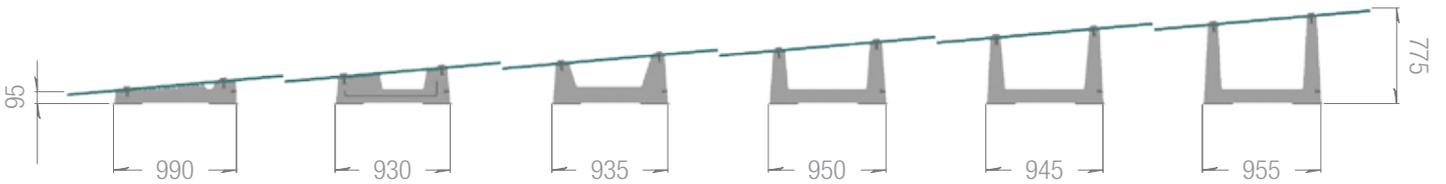
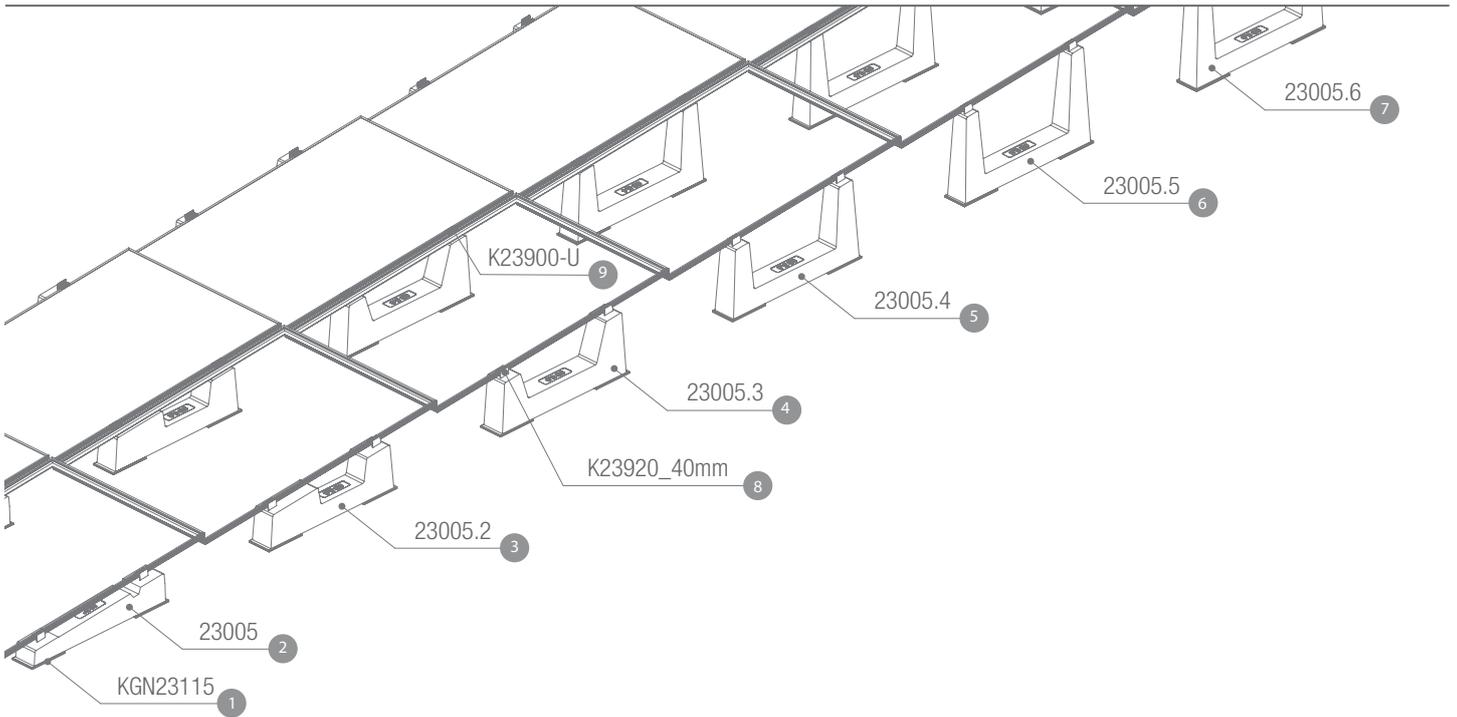
**HORIZONTAL MODULE INSTALLATION - Short Side**



**INFO**

The distance between the rows is indicative and not binding; it may vary depending on the project.  
 The measurements are based on the use of a panel with dimensions of 1722mm x 1134mm x 35mm. They vary depending on the size of the panel used.  
 Follow Sun Ballast®'s assembly instructions.  
 The dimensions shown in the figure are all expressed in millimeters.

**VERTICAL MODULE INSTALLATION - Long Side**



**INFO**

The distance between the rows is indicative and not binding; it may vary depending on the project.  
 The measurements are based on the use of a panel with dimensions of 1722mm x 1134mm x 35mm. They vary depending on the size of the panel used.  
 Follow Sun Ballast®'s assembly instructions.  
 The dimensions shown in the figure are all expressed in millimeters.

## TECHNICAL CHARACTERISTICS

### Description:

Precast unreinforced concrete ballast.  
(Inside, there is an iron rod to increase mechanical flexibility)

- Exposure class: XC4;
- Strength class: C32/40;
- Minimum cement content: 340 kg/m<sup>3</sup>;
- Fire resistance class: Class 0 (Italian class) A1 (European class with ref. UNI EN 13501-1:2019);
- Maximum H<sub>2</sub>O penetration depth under pressure 500 kPa: 15 mm;
- Maximum H<sub>2</sub>O penetration depth under pressure 500 kPa: 15 mm;
- Weight tolerance: ±5%;
- Measurement: ±5 mm;
- Determination of pullout force of M8 threaded insert embedded in CLS element by direct pulling of M8 threaded bar screwed into it.

Results of the tensile test at 15 KN (1530 kg):

No slipping of the threaded insert;

Fracture of the threaded bar.

BASIC S.R.L Benefit Corporation, in the person of its legal representative, declares that production complies with UNI EN 206 and UNI 11104 standards, instructions, and procedures of the quality management system by UNI EN ISO 9001:2015 with TUV certification.

Any modification made to the product referred to in this declaration without the manufacturer's authorization voids this declaration of technical requirements. The technical characteristics of the product are listed below.





**Made to last**  
Patented systems

## CONTACTS

---

### INFORMATION AND FIRST CONTACT

[info@sunballast.com](mailto:info@sunballast.com)

---

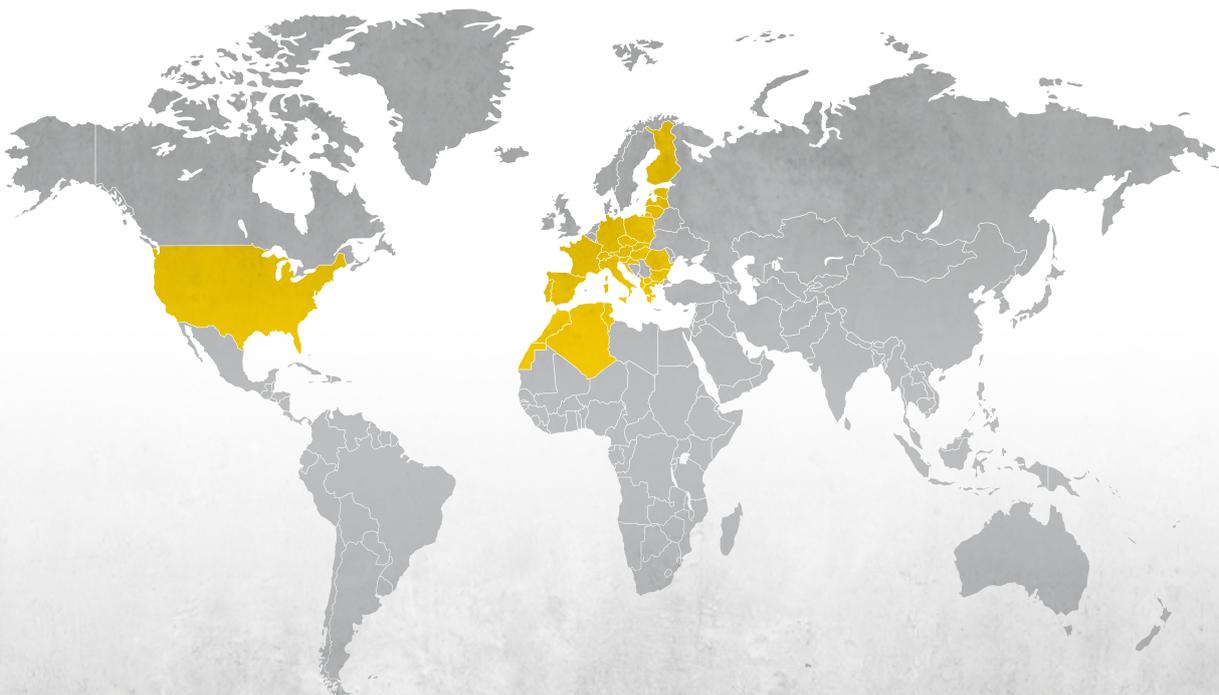
### COMMERCIAL CONSULTING

[commerciale@sunballast.com](mailto:commerciale@sunballast.com)

---

### TECHNICAL SUPPORT

[tecnico@sunballast.com](mailto:tecnico@sunballast.com)



**MADE TO LAST.**

[www.sunballast.com](http://www.sunballast.com)