



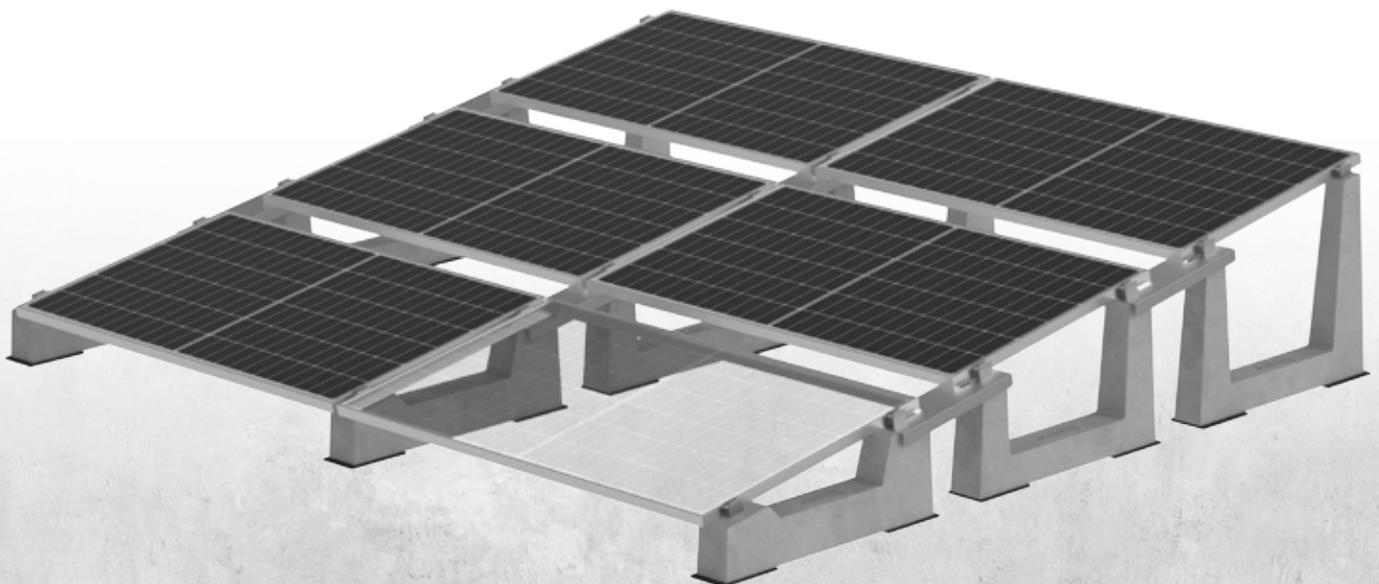
Made to last
Patented systems

SINCE 2012
IDEAL SOLAR
MOUNTING SYSTEM
FOR FLAT ROOFS

Technical Sheet

Sail 10°

ART.23010/.2/.3



01/2026

SAIL 10°

ART. 23010/.2/.3



The Sail system with a 10° tilt angle allows the installation of three 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 quick and easy management of roof obstacles.

Angle of inclination	10°
Module positioning	Horizontal - Short side / Vertical - Long side
Compatible accessories	Sheathing (KGNF2325), Universal brackets (K23900/U.50, K23920/U.50), PowerClamp brackets (K23900/PWC.50, 23920/PWC), Junction plate for Sail system (23811), Doubling plate (K23804), U-Block (23015.CRP - 23030.CRP), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712)

BALLAST ART. 23010

Ballast weight	60 kg	Pallet dimensions	1000x720x682h mm
Quantity per pallet	10 pieces	Pallet weight	612 kg

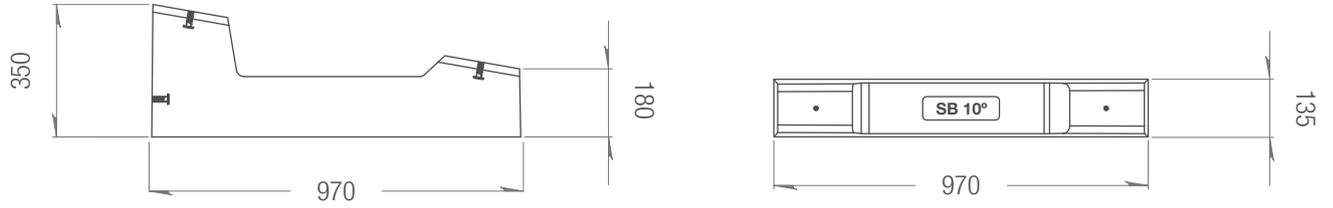
BALLAST ART. 23010.2

Ballast weight	60 kg	Pallet dimensions	1100x570x729h mm
Quantity per pallet	8 pieces	Pallet weight	494 kg

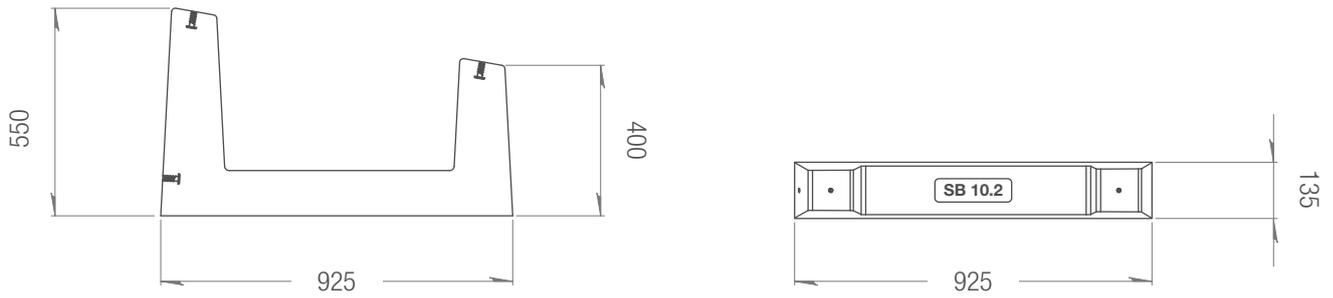
BALLAST ART. 23010.3

Ballast weight	65 kg	Pallet dimensions	1125x775x668h mm
Quantity per pallet	8 pieces	Pallet weight	537 kg

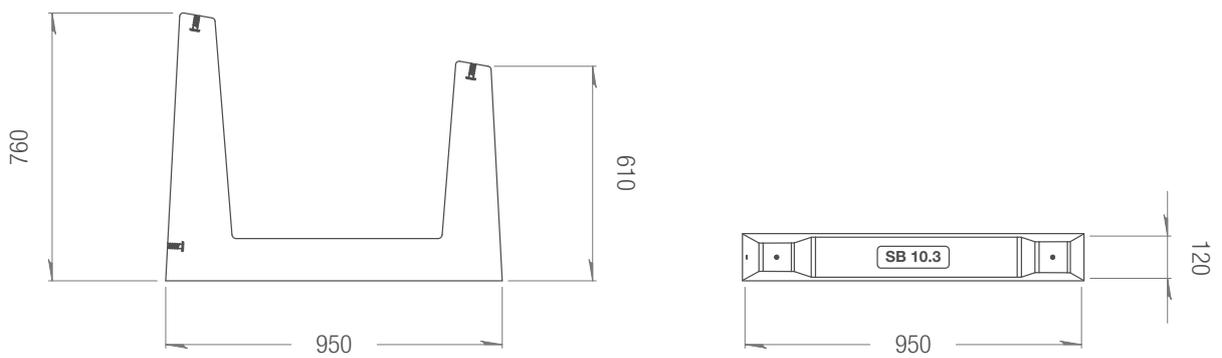
BALLAST 23010 DIMENSIONS



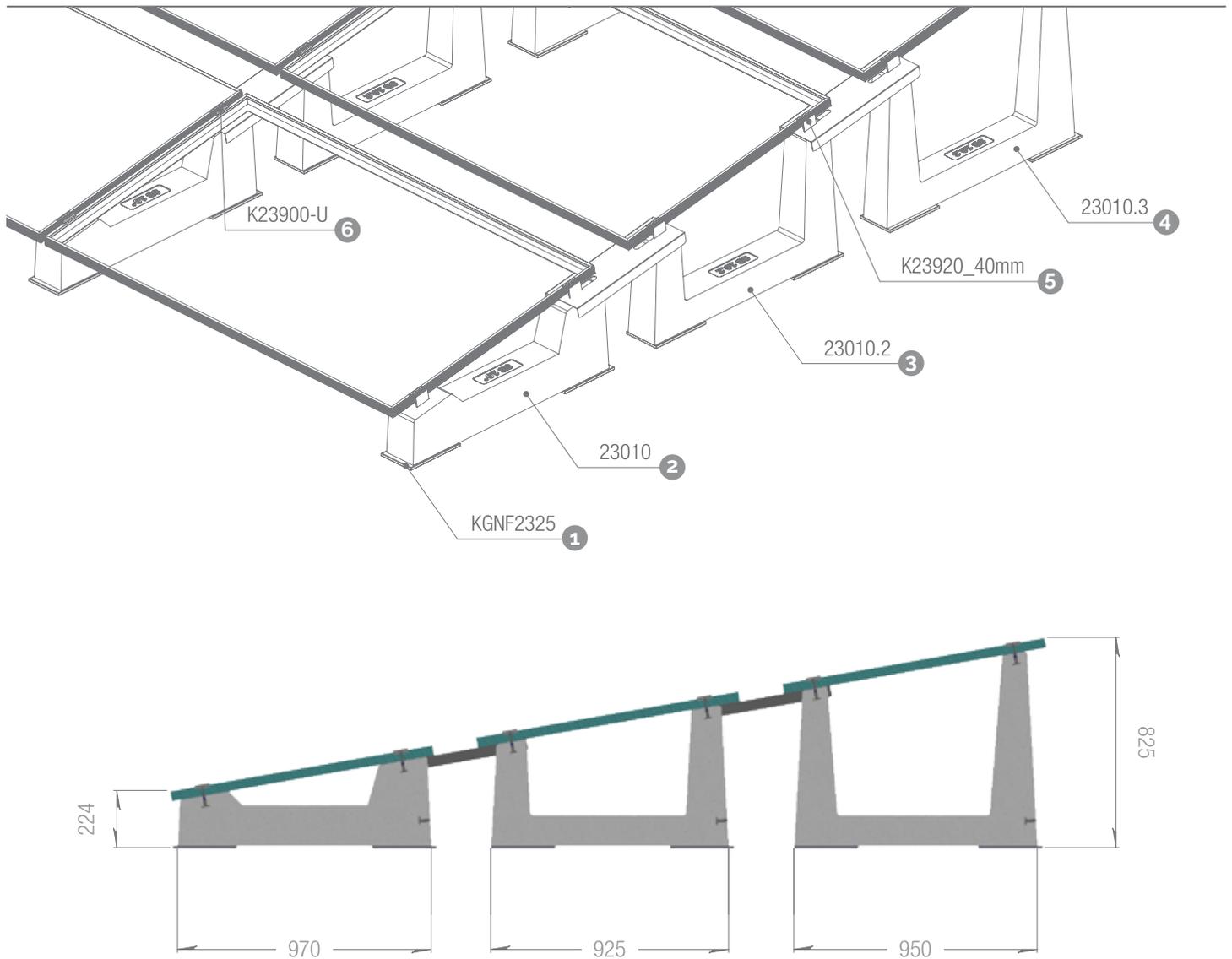
BALLAST 23010.2 DIMENSIONS



BALLAST 23010.3 DIMENSIONS



HORIZONTAL MODULE INSTALLATION – Short Side



INFO

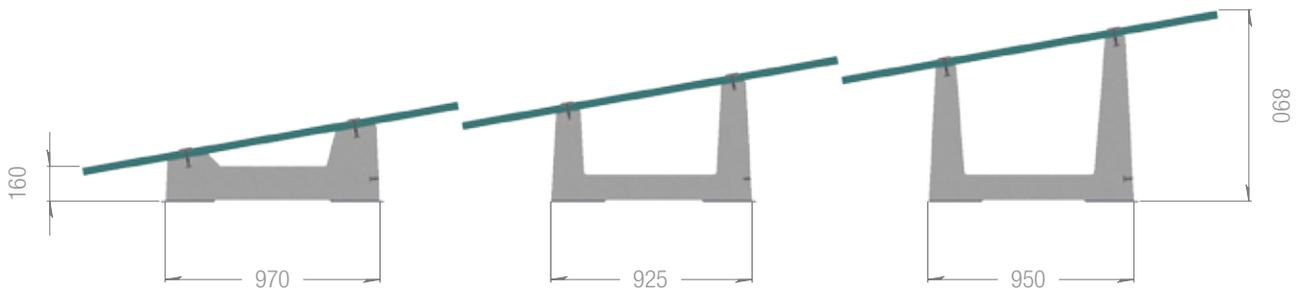
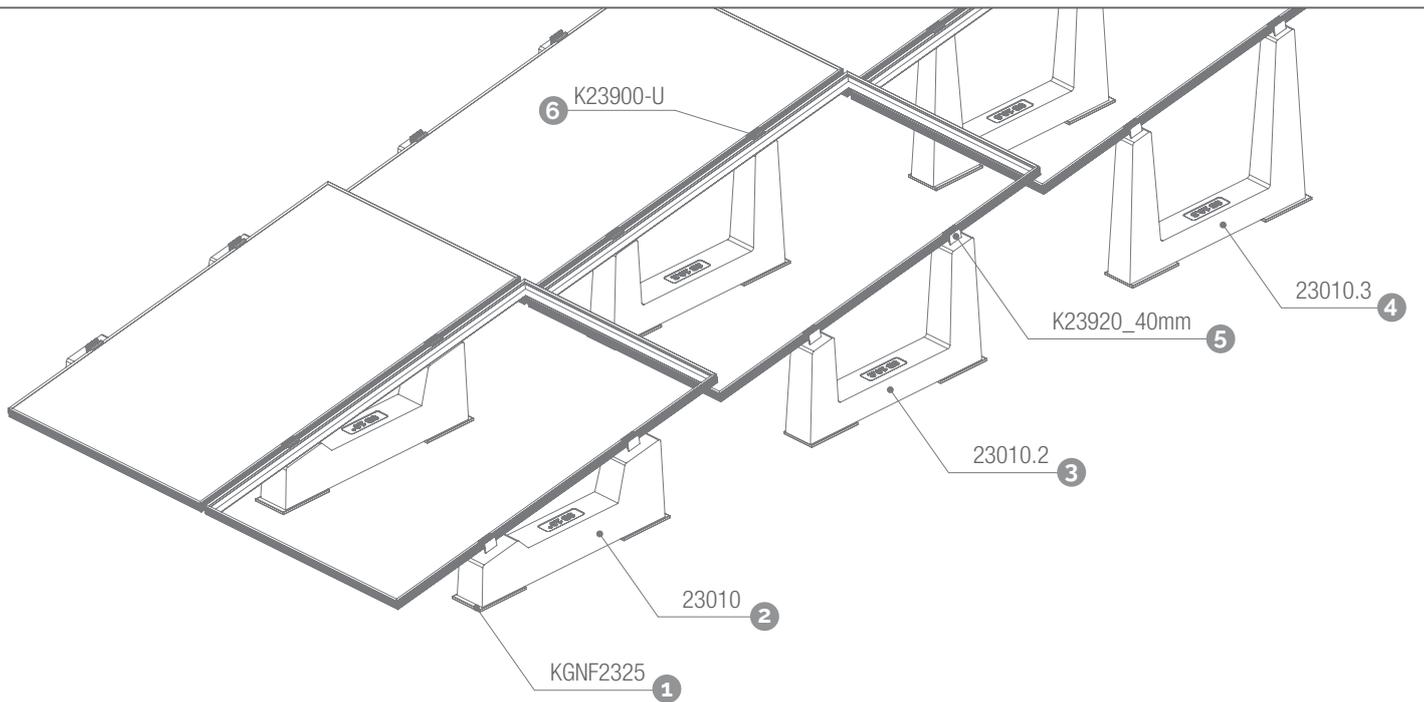
The distance between the rows is indicative and not binding; it may vary depending on the project.

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

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The dimensions indicated in this section are approximate; therefore, it is important to refer to the project developed by Sun Ballast®.

All dimensions shown in the figure are expressed in millimeters.

BALLAST 10°

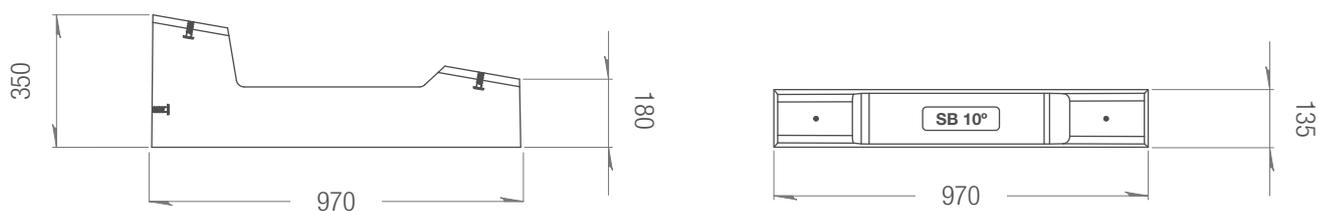
ART. 23010



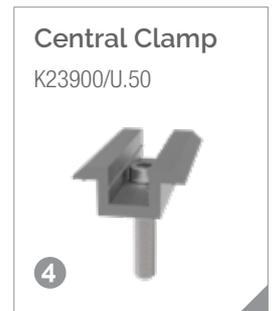
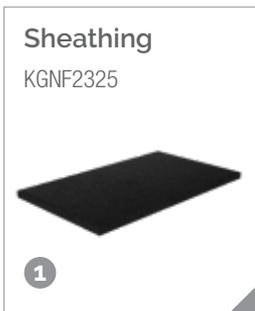
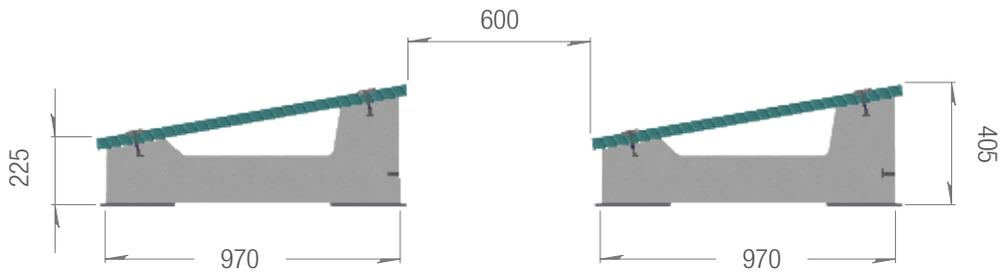
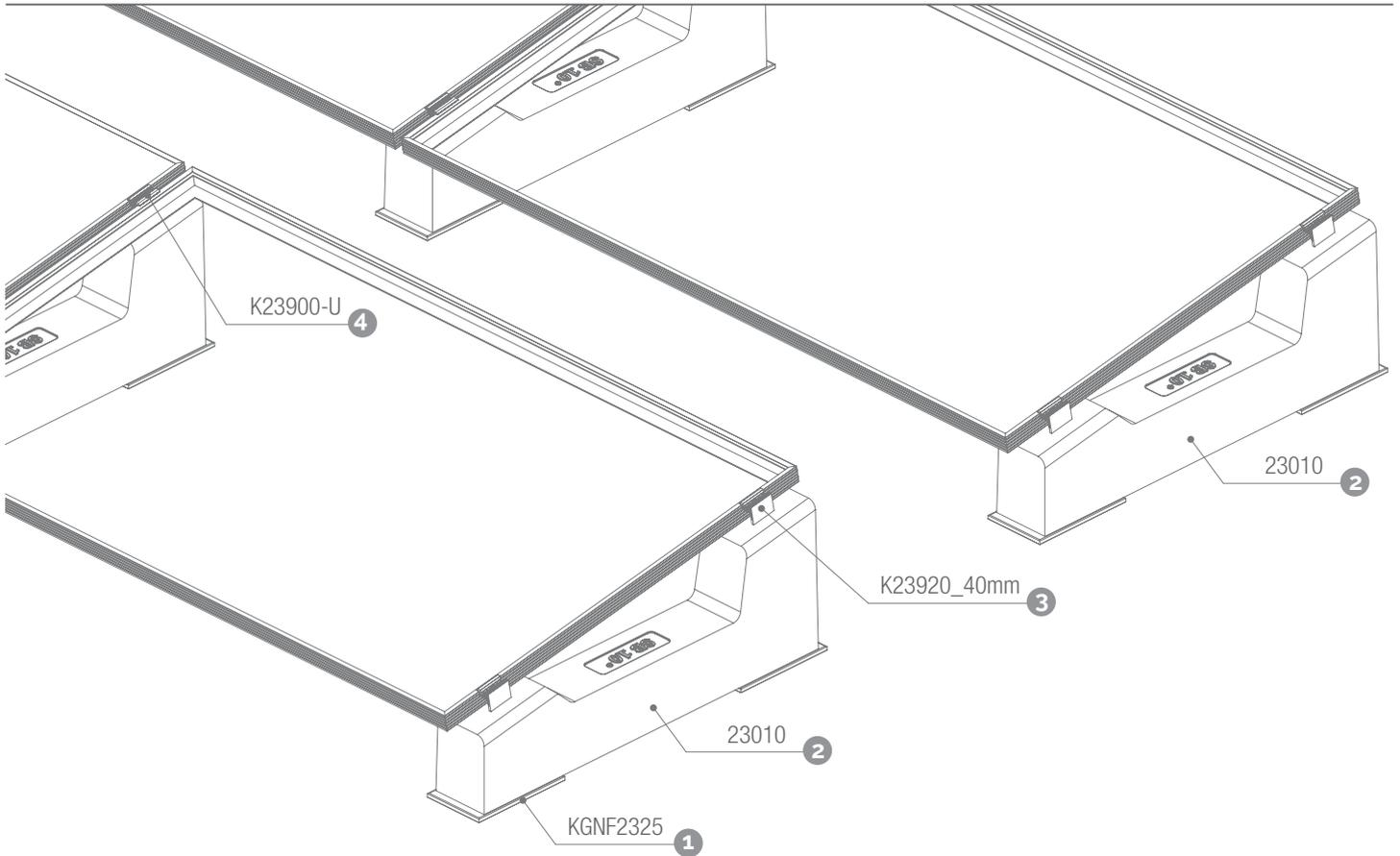
The Single-Row system offers a simple and highly versatile solution: available in a wide range of tilt angles from 0° to 30°, the ballasts allow for mounting of the panels vertically, horizontally, or with an East-West orientation. The mounting system enables flexible modulation of the distance between rows, ensuring an easy and fast installation, even in the presence of roof obstacles.

Angle of inclination	10°
Module positioning	Horizontal - Short side / Vertical - Long side
Ballast weight	60 kg
Quantity per pallet	10 pieces
Pallet dimensions	1000x720x682h mm
Pallet weight	612 kg
Compatible accessories	Sheathing (KGNF2325), Universal brackets (K23900/U.50, K23920/U.50), PowerClamp brackets (K23900/PWC.50, 23920/PWC), Doubling plate (K23804), U-Block (23015.CRP - 23030.CRP), No-Flex (K23712) Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185)

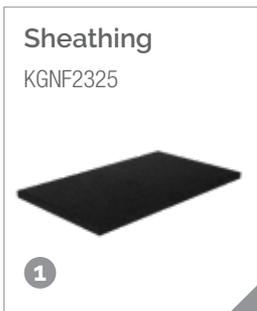
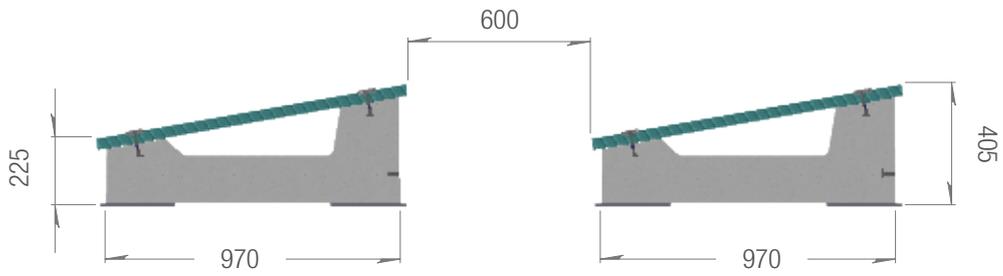
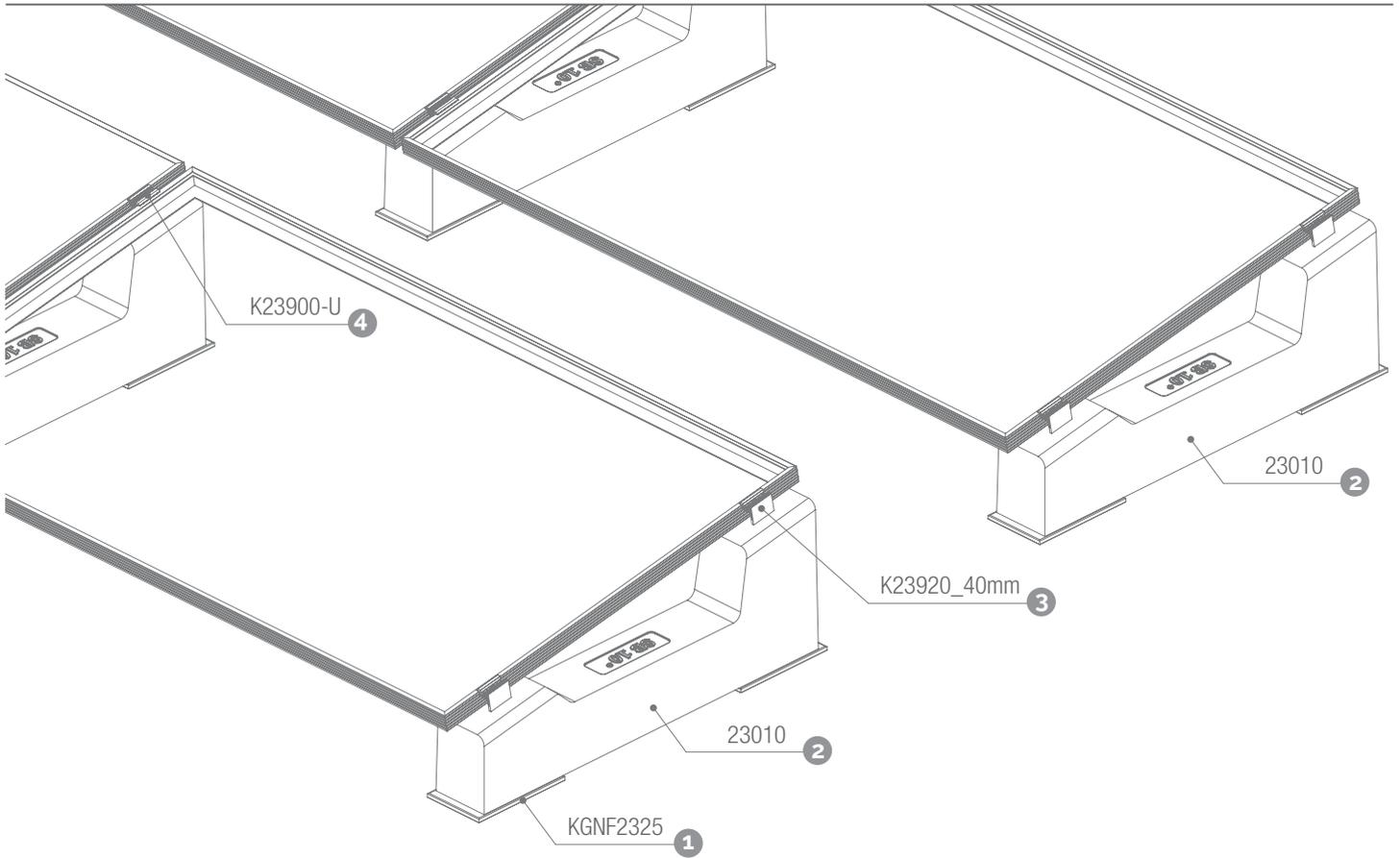
BALLAST DIMENSIONS



HORIZONTAL MODULE INSTALLATION - Short Side

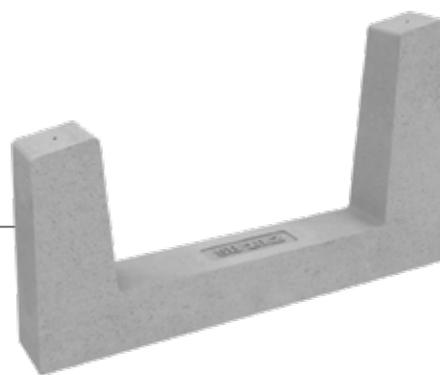


HORIZONTAL MODULE INSTALLATION - Short Side



BALLAST 10.2°

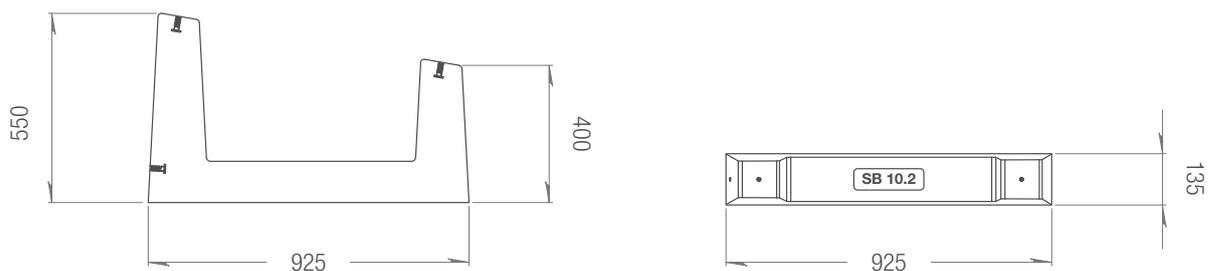
ART. 23010.2



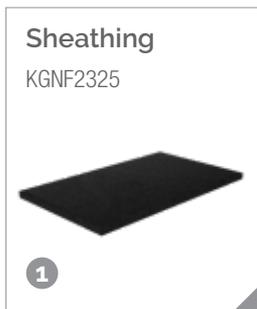
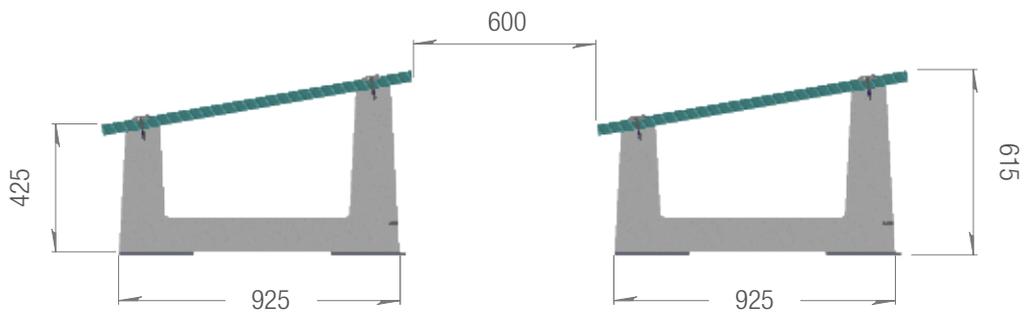
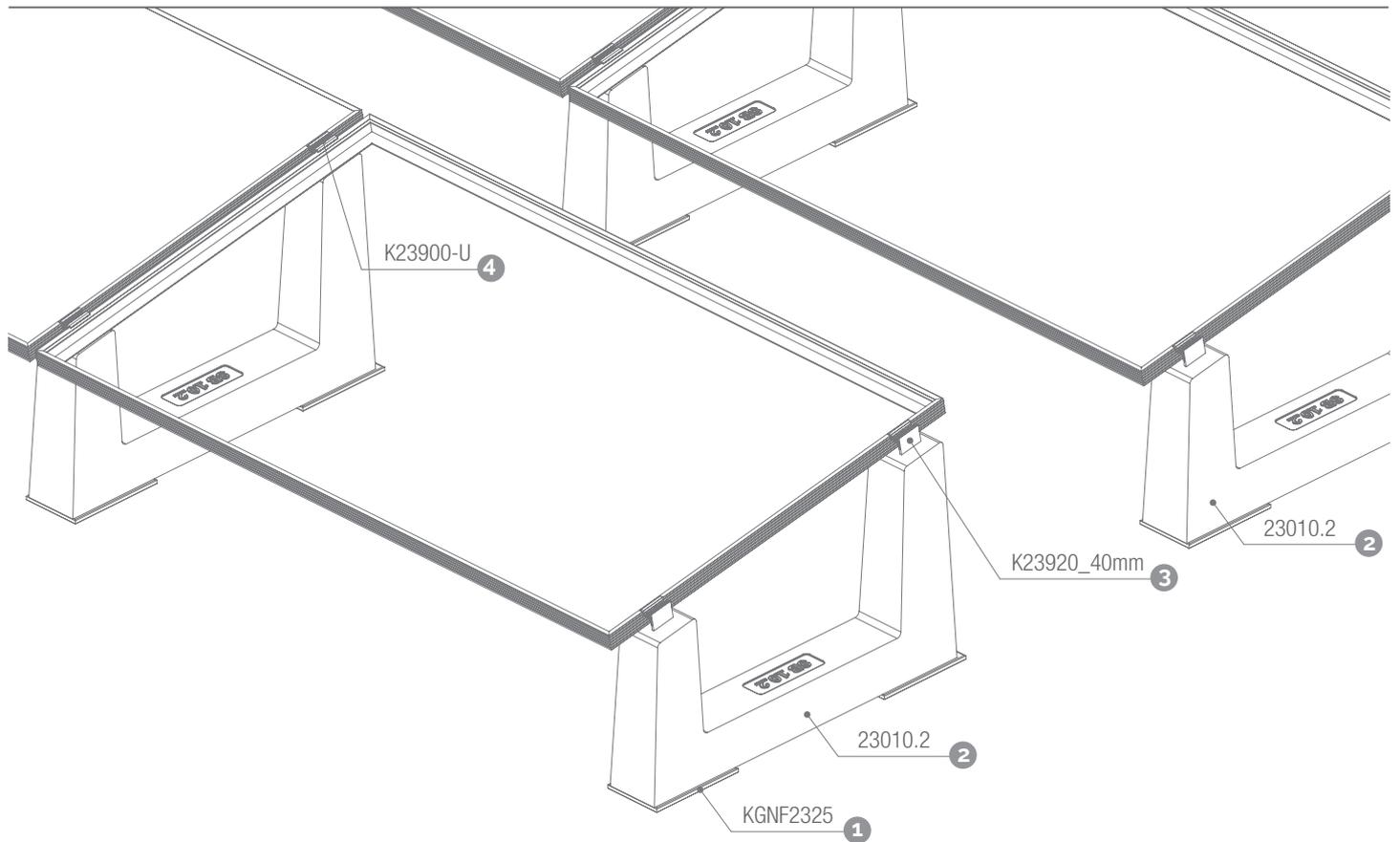
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Angle of inclination	10°
Module positioning	Horizontal - Short side / Vertical - Long side
Ballast weight	60 kg
Quantity per pallet	8 pieces
Pallet dimensions	1100x570x729h mm
Pallet weight	494 kg
Compatible accessories	Sheathing (KGNF2325), Universal brackets (K23900/U.50, K23920/U.50), PowerClamp brackets (K23900/PWC.50, 23920/PWC), Doubling plate (K23804), U-Block (23015.CRP - 23030.CRP), No-Flex (K23712) Cablwind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185)

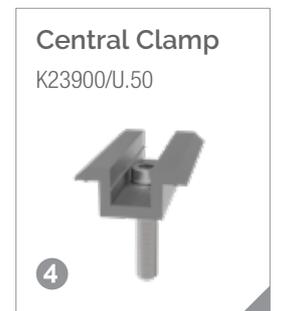
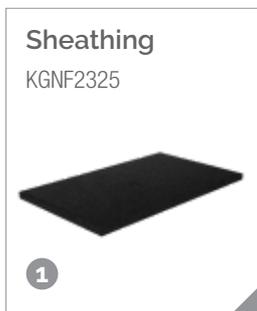
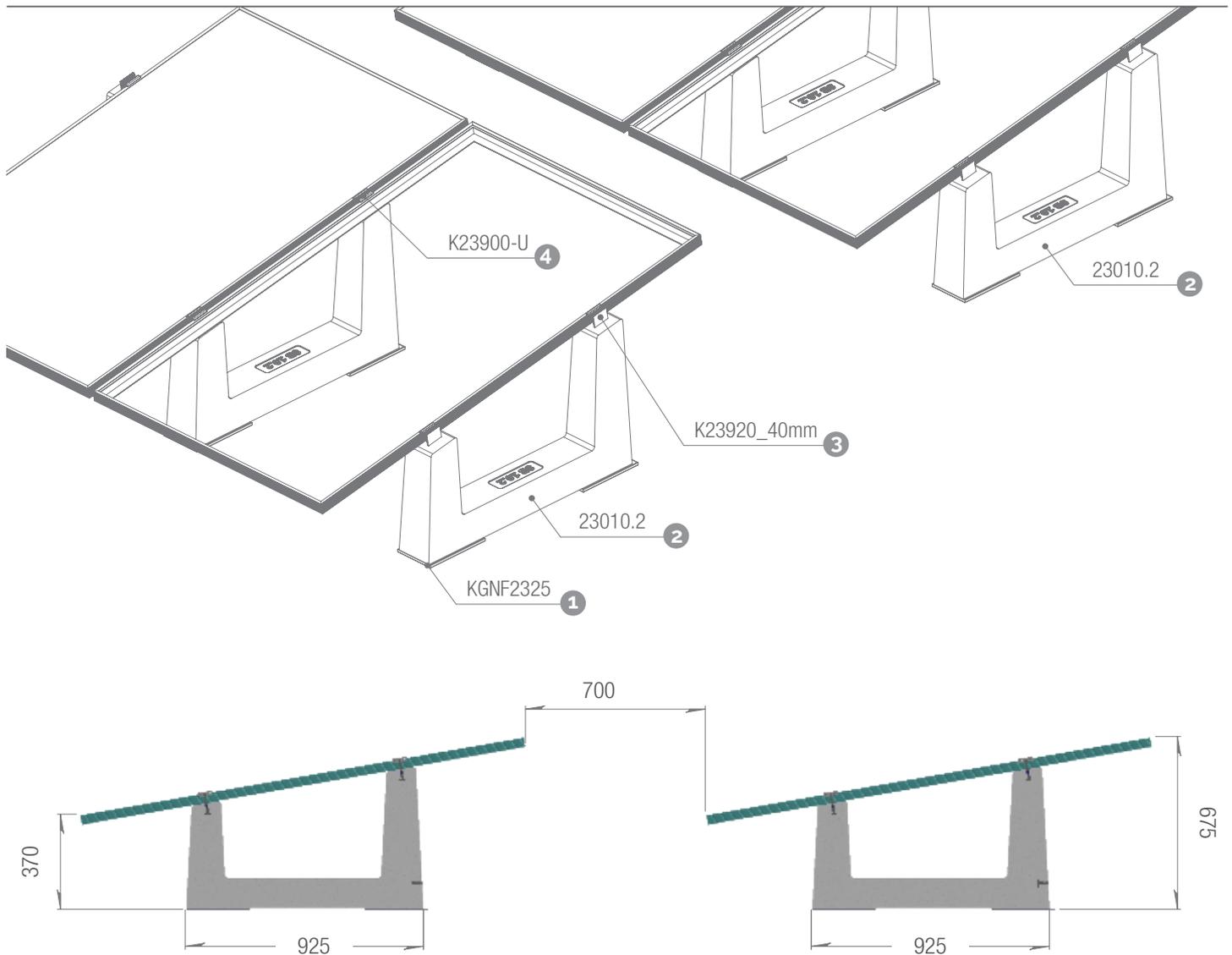
BALLAST DIMENSIONS



HORIZONTAL MODULE INSTALLATION - Short Side



VERTICAL MODULE INSTALLATION - Long Side



INFO

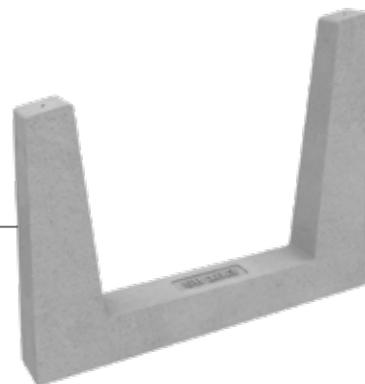
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BALLAST 10.3°

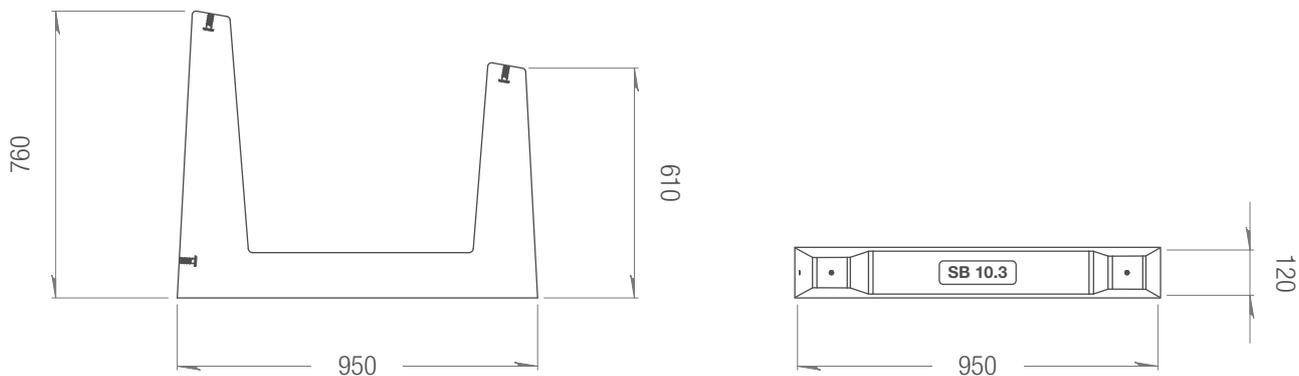
ART. 23010.3



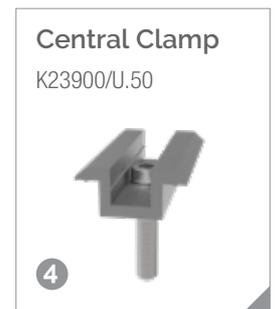
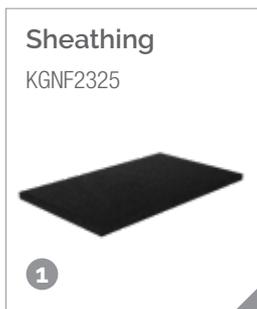
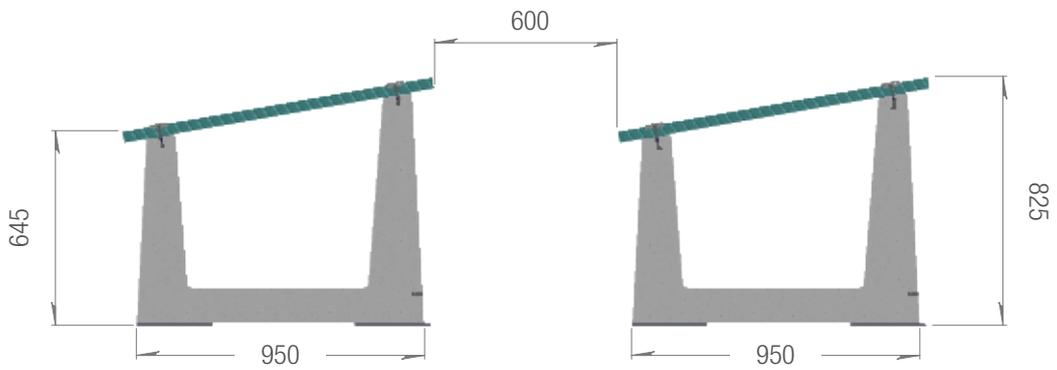
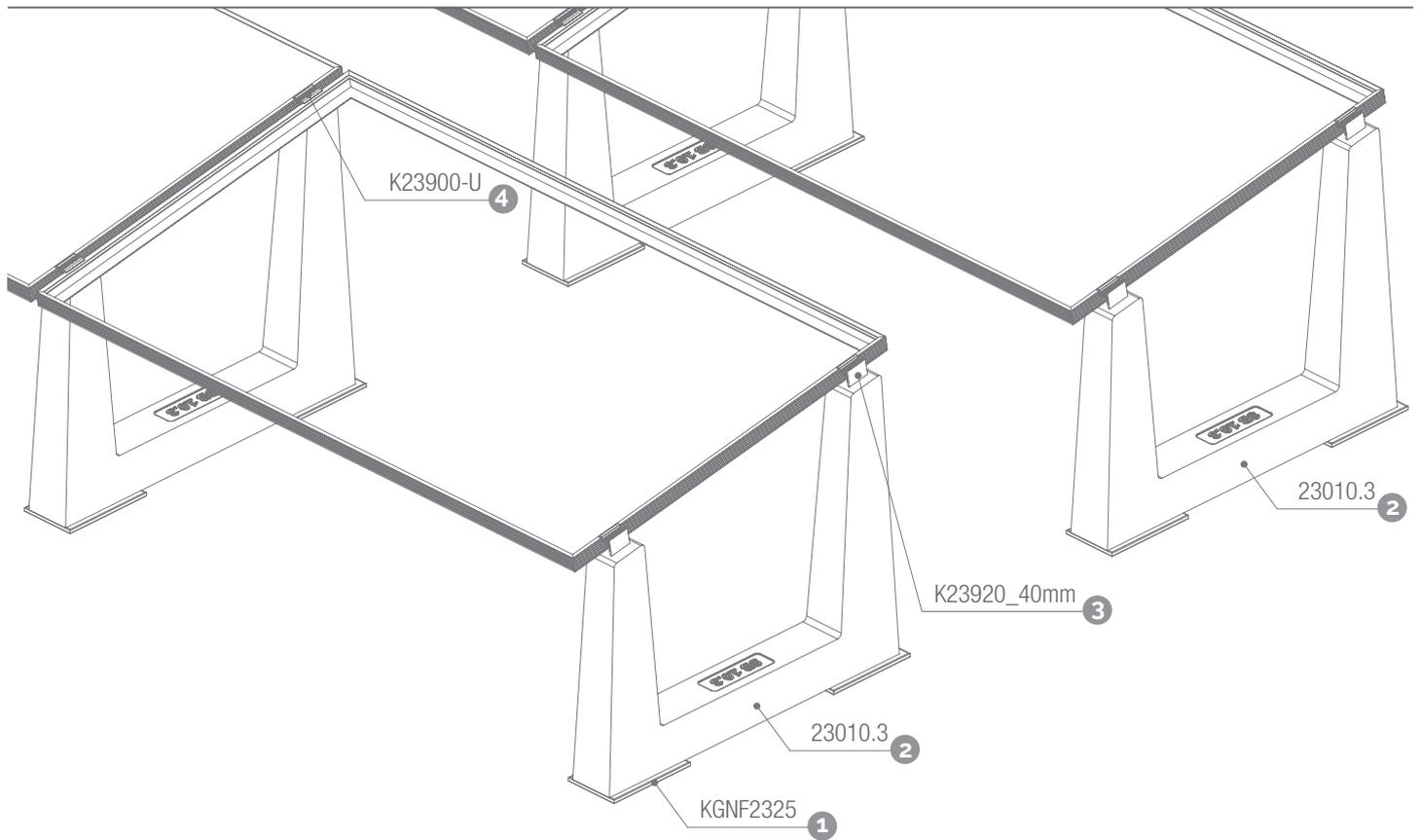
The Single-Row system offers a simple and highly versatile solution: available in a wide range of tilt angles from 0° to 30°, the ballasts allow for mounting of the panels vertically, horizontally, or with an East-West orientation. The mounting system enables flexible modulation of the distance between rows, ensuring an easy and fast installation, even in the presence of roof obstacles.

Angle of inclination	10°
Module positioning	Horizontal - Short side / Vertical - Long side
Ballast weight	65 kg
Quantity per pallet	8 pieces
Pallet dimensions	1125x775x668h mm
Pallet weight	537 kg
Compatible accessories	Sheathing (KGNF2325), Universal brackets (K23900/U.50, K23920/U.50), PowerClamp brackets (K23900/PWC.50, 23920/PWC), Doubling plate (K23804), U-Block (23015.CRP - 23030.CRP), No-Flex (K23712) Cablwind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185)

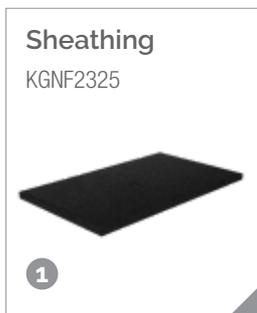
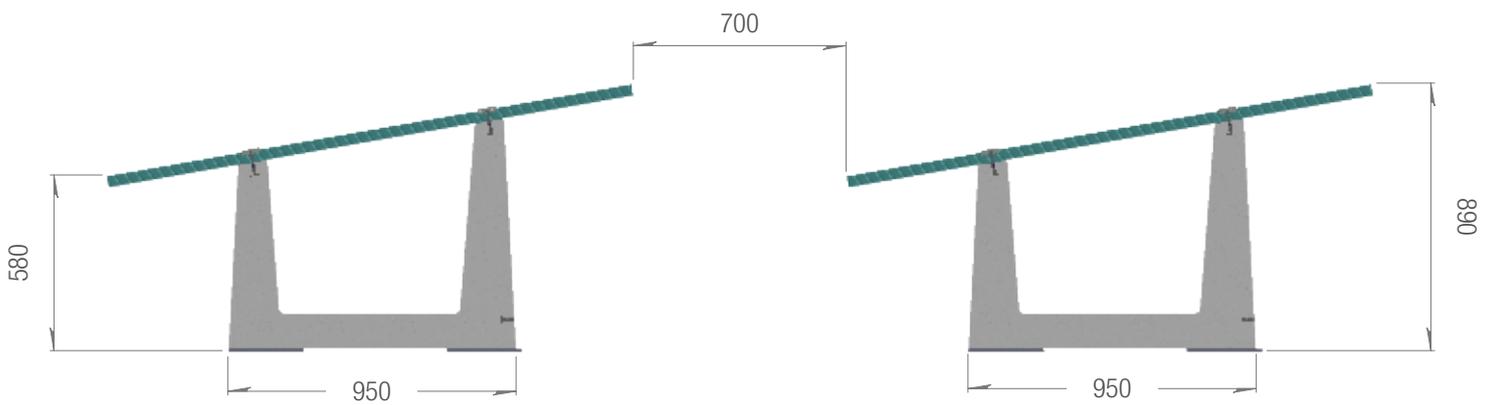
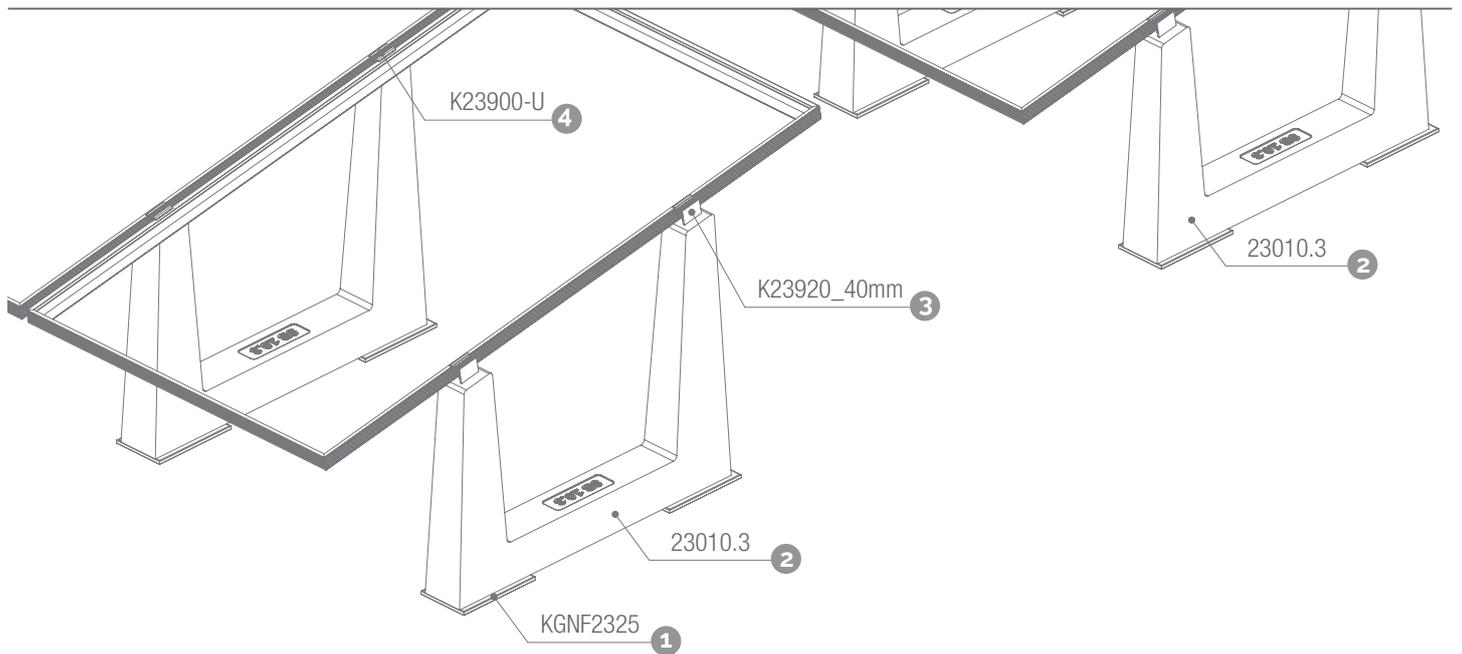
BALLAST DIMENSIONS



HORIZONTAL MODULE INSTALLATION - Short Side



VERTICAL MODULE INSTALLATION - Long Side



INFO

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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/m³;
- Fire resistance class: Class 0 (Italian class) A1 (European class with ref. UNI EN 13501-1:2019);
- Maximum H₂O penetration depth under pressure 500 kPa: 15 mm;
- Maximum H₂O 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.





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Patented systems

CONTACTS

INFORMATION AND FIRST CONTACT

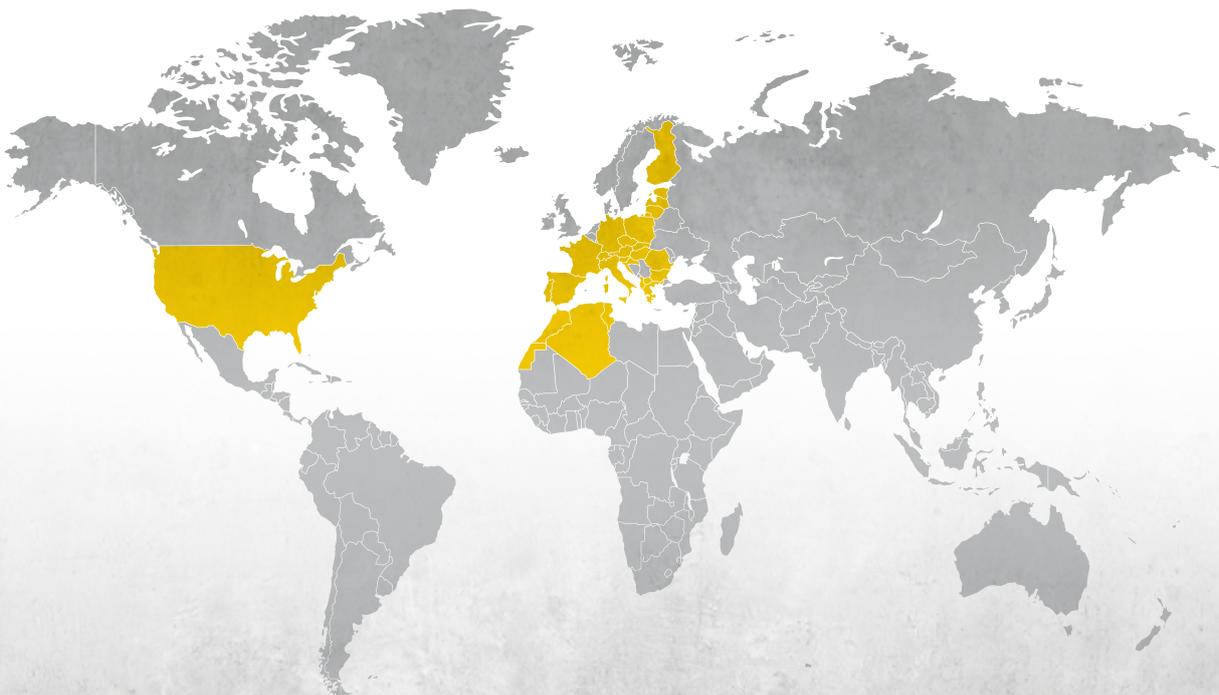
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www.sunballast.com