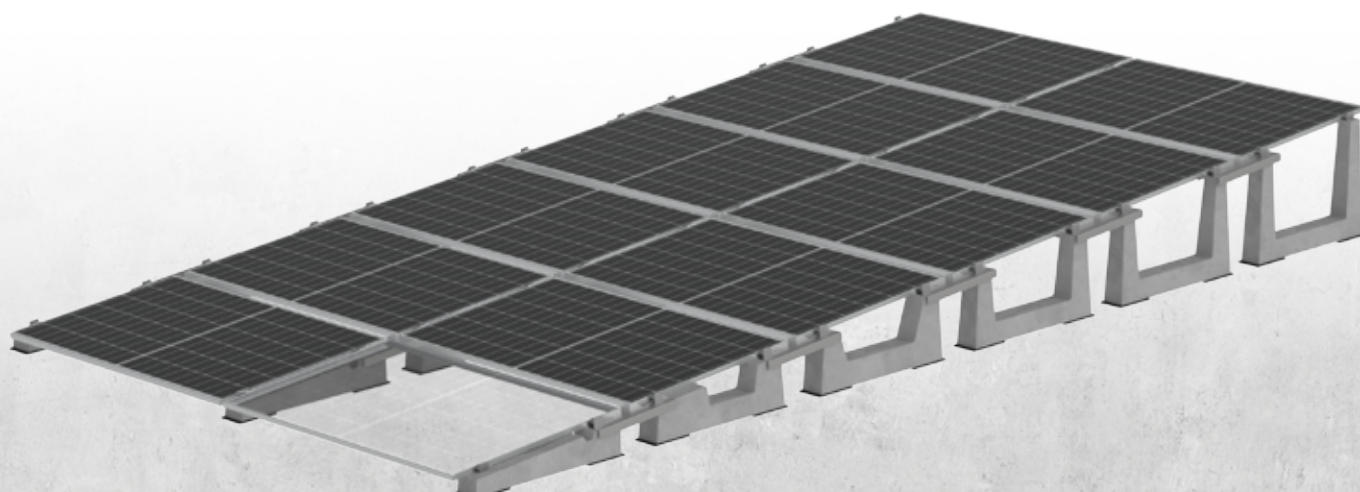


Technical Sheet

Sail 5°

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



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.

Tilt angle 5°

Module positioning Horizontal – Short Side / Vertical – Long Side

Compatible accessories Sheathing (KGNF2325), 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

Ballast weight	40 kg
Quantity per pallet	14 pieces
Pallet dimensions	1010x1020x417h mm
Pallet weight	573 kg

BALLAST ART. 23005.2

Ballast weight	55 kg
Quantity per pallet	10 pieces
Pallet dimensions	950x730x627h mm
Pallet weight	560 kg

BALLAST ART. 23005.3

Ballast weight	61 kg
Quantity per pallet	10 pieces
Pallet dimensions	950x730x838h mm
Pallet weight	620 kg

BALLAST ART. 23005.4

Ballast weight	61 kg
Quantity per pallet	8 pieces
Pallet dimensions	970x590x1050h mm
Pallet weight	498 kg

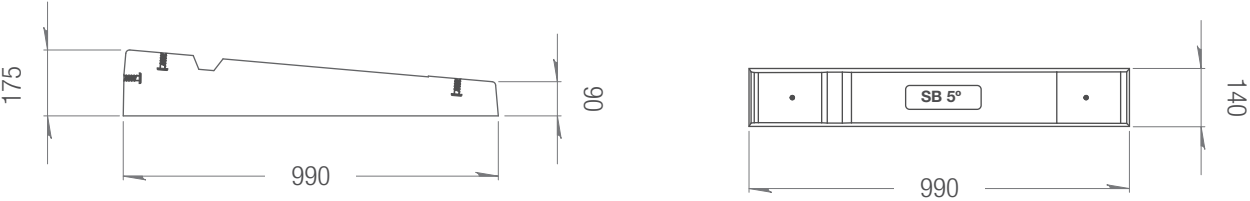
BALLAST ART. 23005.5

Ballast weight	61 kg
Quantity per pallet	8 pieces
Pallet dimensions	1100x670x629h mm
Pallet weight	500 kg

BALLAST ART. 23005.6

Ballast weight	67 kg
Quantity per pallet	8 pieces
Pallet dimensions	1100x770x629h mm
Pallet weight	548 kg

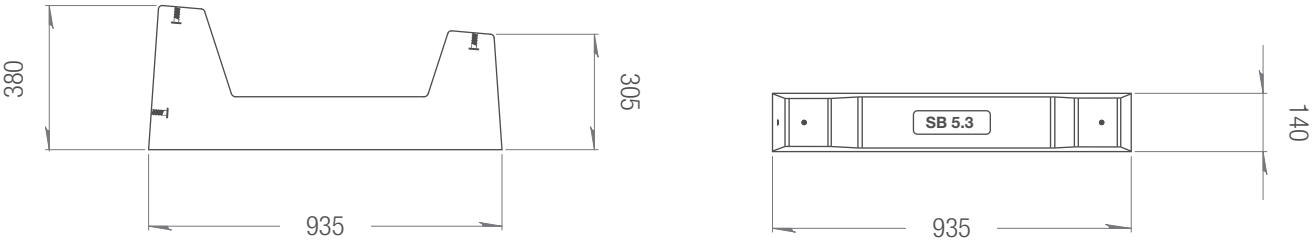
BALLAST 23005 DIMENSIONS



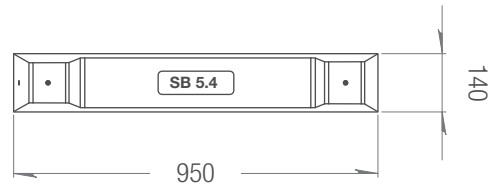
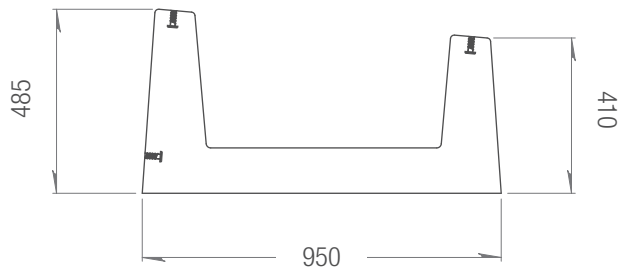
BALLAST 23005.2 DIMENSIONS

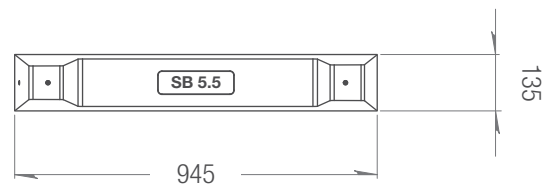
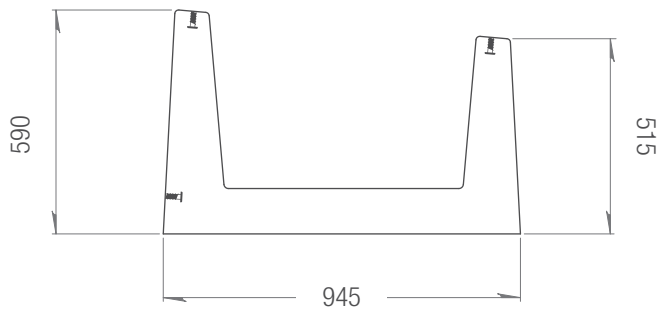


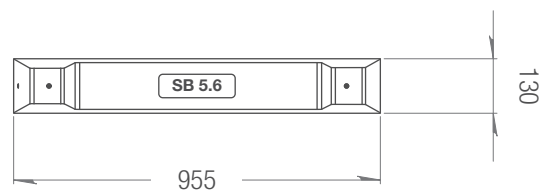
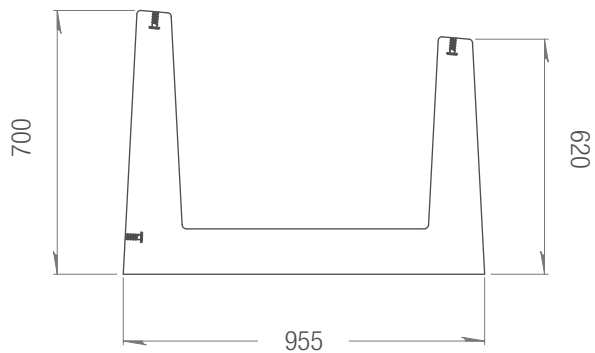
BALLAST 23005.3 DIMENSIONS



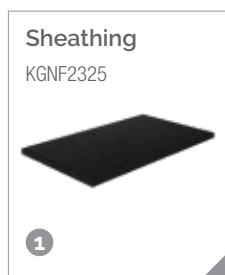
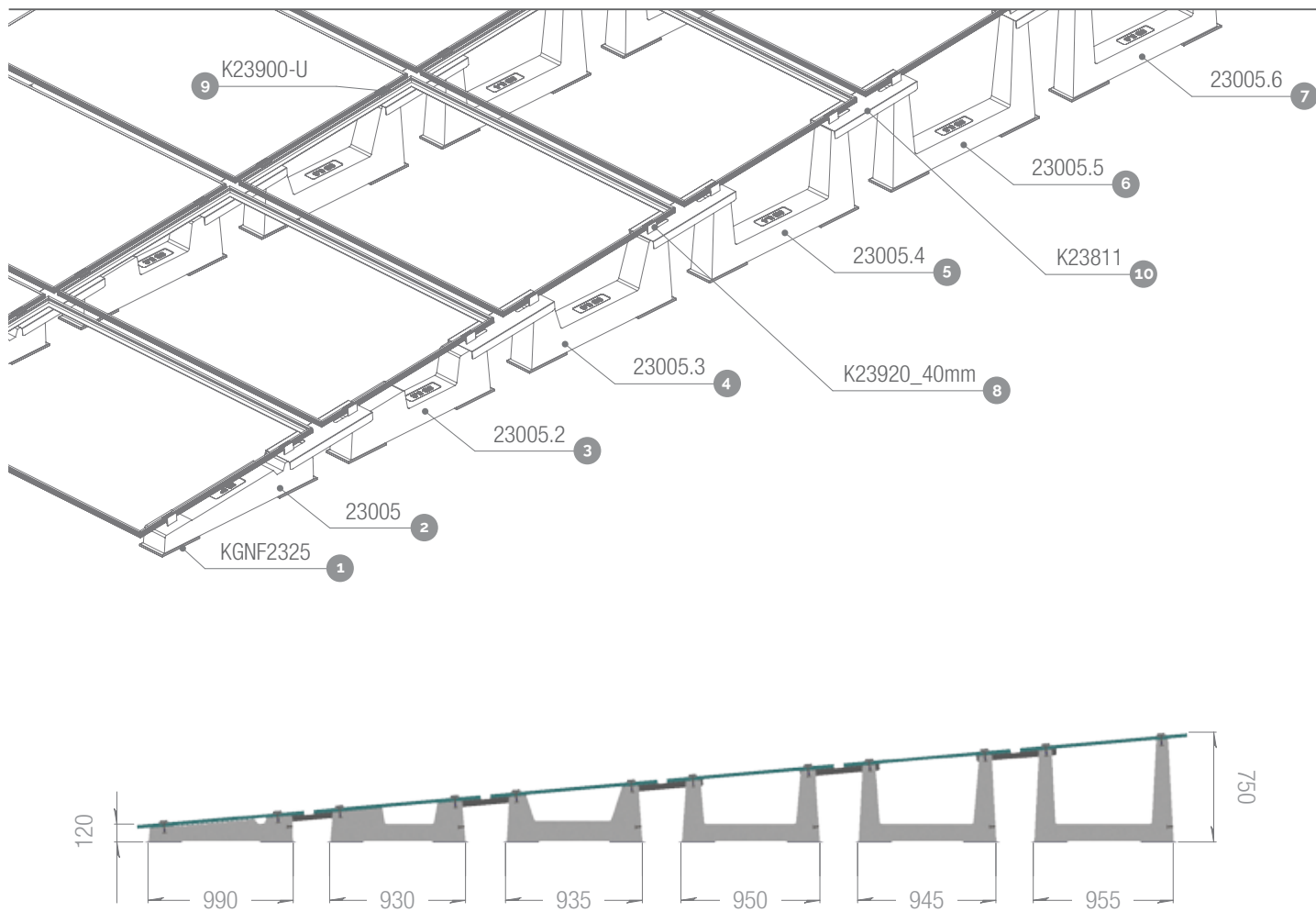
BALLAST 23005.4 DIMENSIONS

**BALLAST 23005.5 DIMENSIONS**

**BALLAST 23005.6 DIMENSIONS**



HORIZONTAL MODULE INSTALLATION - Short Side



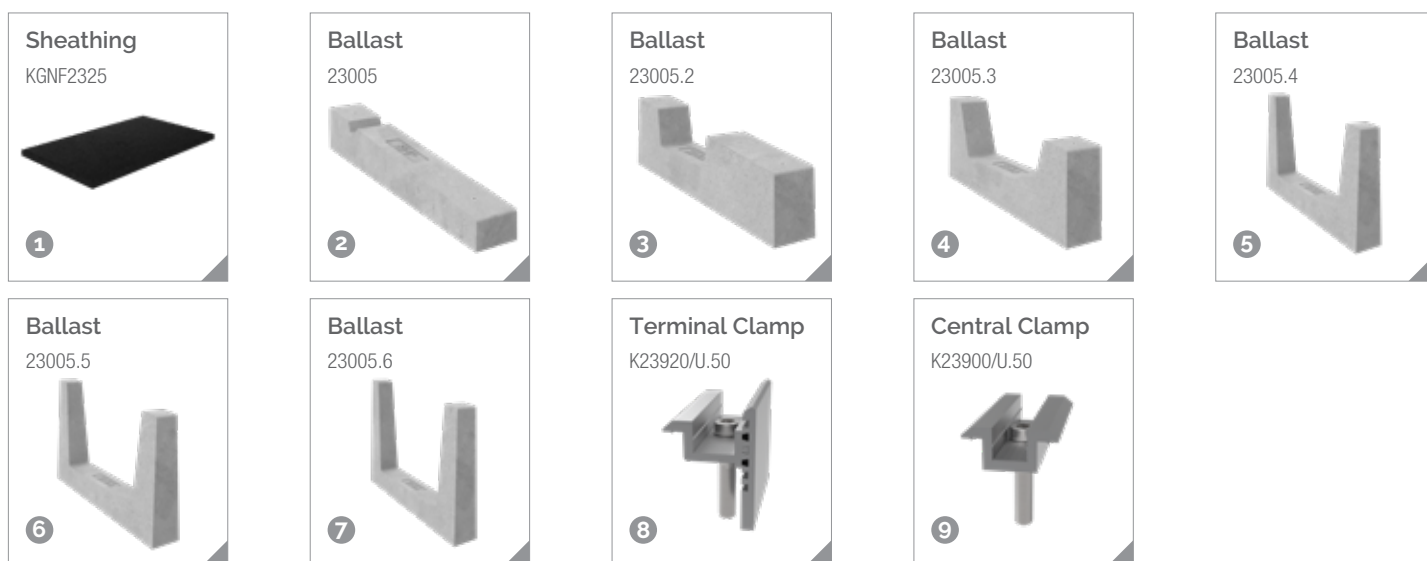
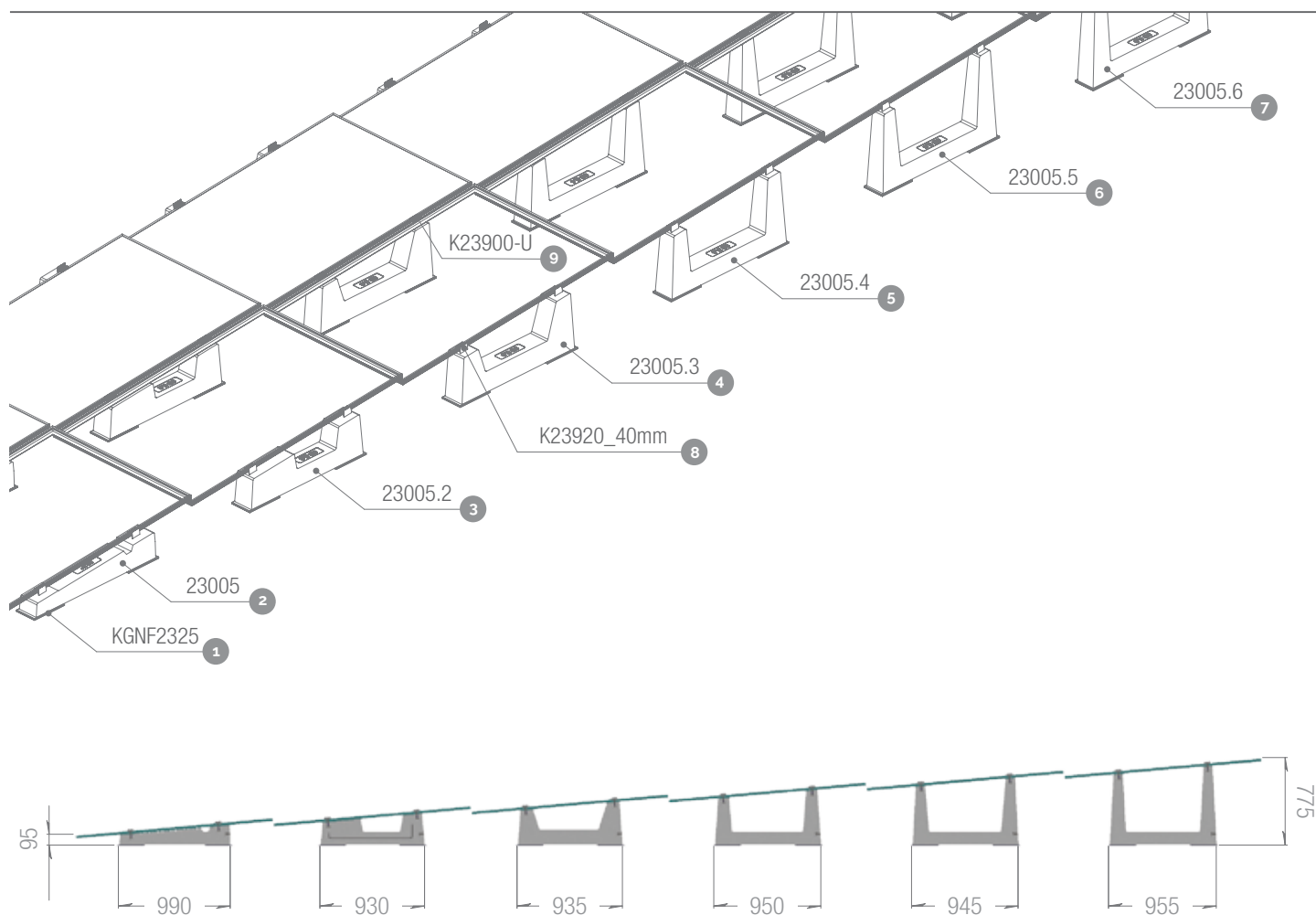
INFO

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All dimensions shown in the figure are expressed in millimeters.

VERTICAL MODULE INSTALLATION - Long Side



INFO

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BALLAST 5°

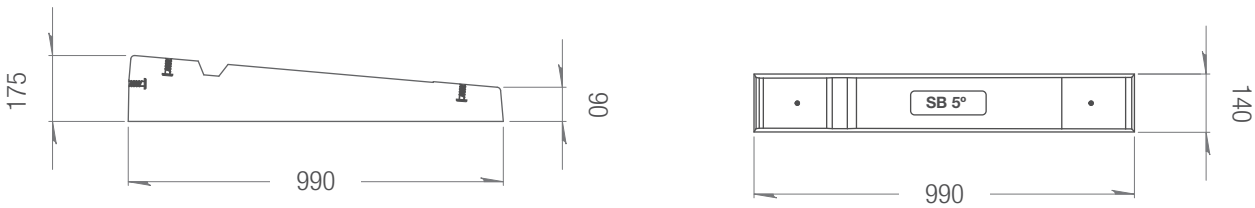
ART. 23005



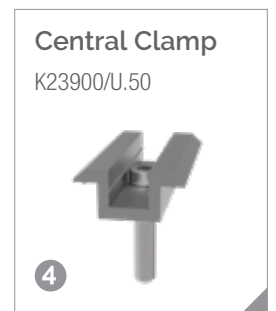
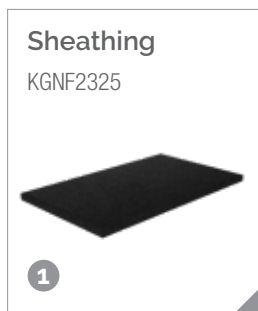
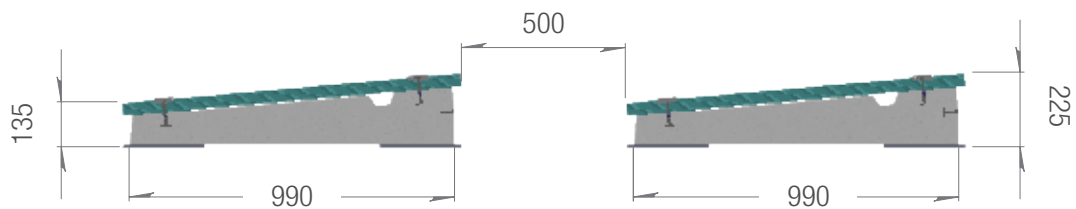
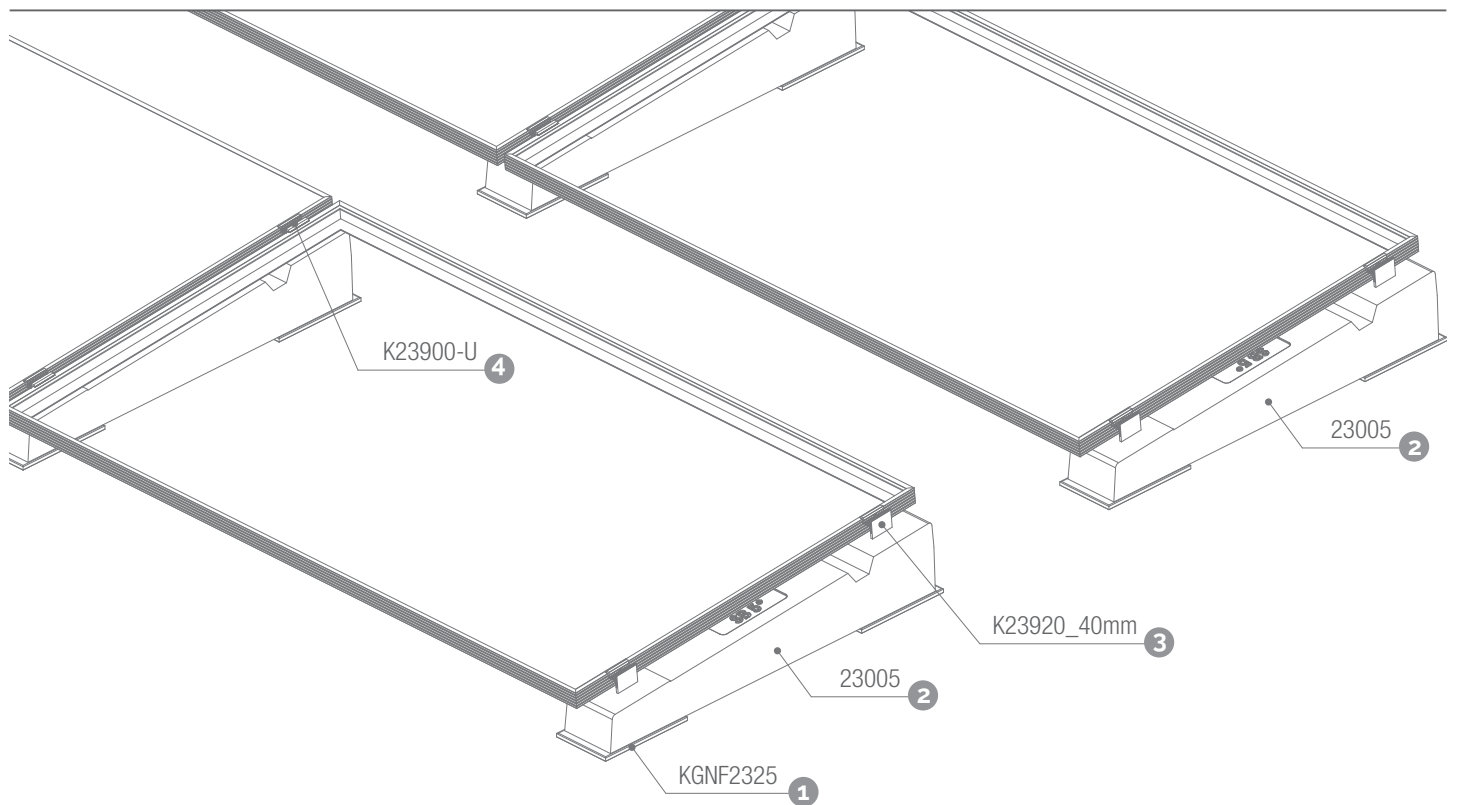
The Single-Row system offers a simple and highly versatile solution: available in a wide range of tilt angles from 0° to 30°, the ballasts allow for mounting of the panels vertically, horizontally, or with an East-West orientation. The mounting system enables flexible modulation of the distance between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

Tilt angle	5°
Module positioning	Horizontal - Short side / Vertical - Long side
Ballast weight	40 kg
Quantity per pallet	14 pieces
Pallet dimensions	1010x1020x417h mm
Pallet weight	573 kg
Compatible accessories	Sheathing (KGNF2325), Universal clamps (K23900/U.50, K23920/U.50), PowerClamp plate (K23900/PWC.50, 23920/PWC), Junction plate (K23804), No-Flex (K23712), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.160 - CW.CABLOWIND.185)

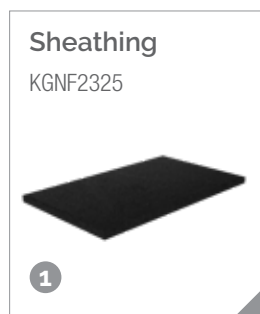
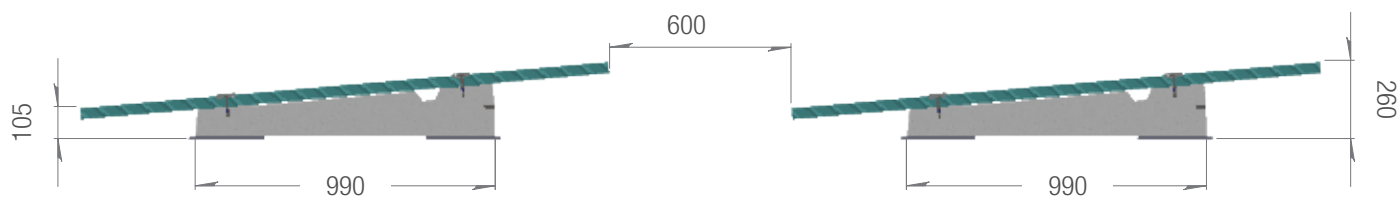
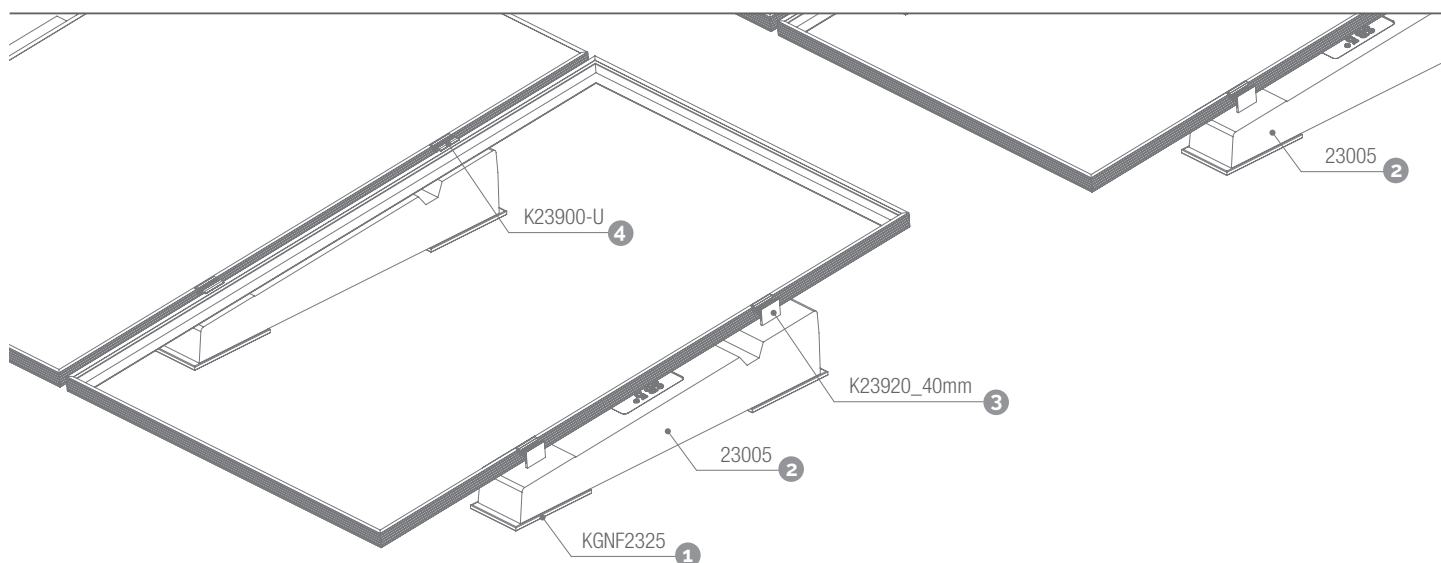
BALLAST DIMENSIONS



HORIZONTAL MODULE INSTALLATION - Short Side



VERTICAL MODULE INSTALLATION - Long Side



INFO

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BALLAST 5.2°

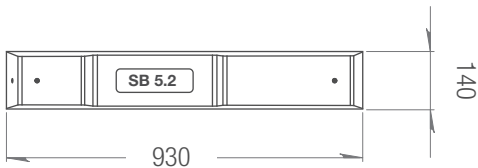
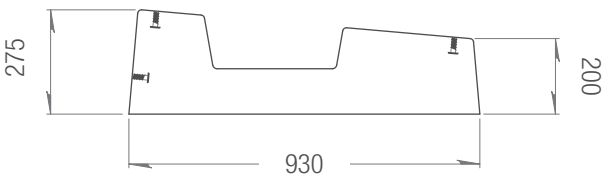
ART. 23005.2



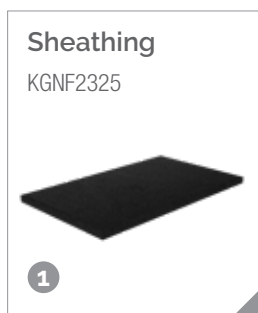
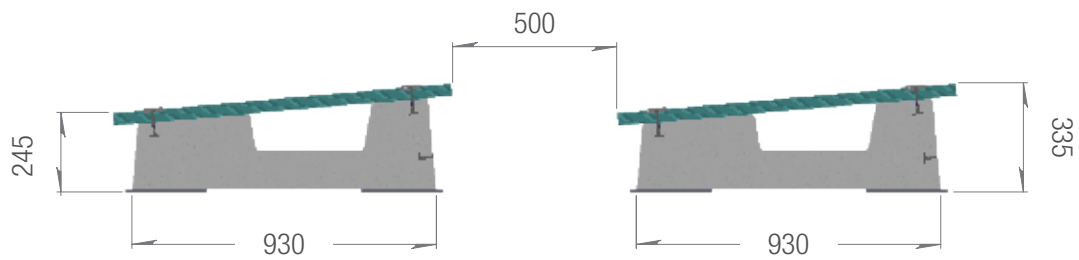
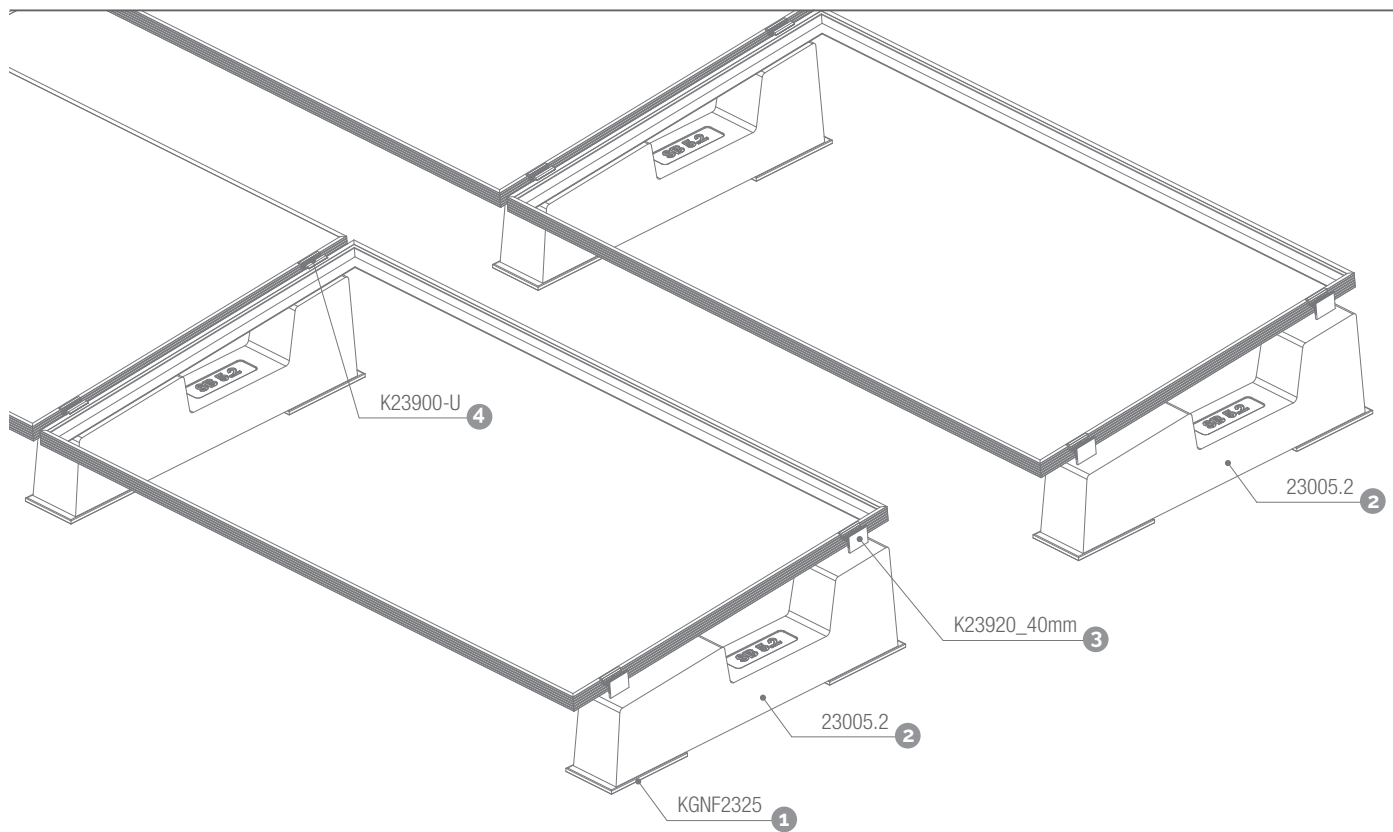
The Single-Row system offers a simple and highly versatile solution: available in a wide range of tilt angles from 0° to 30°, the ballasts allow for mounting of the panels vertically, horizontally, or with an East-West orientation. The mounting system enables flexible modulation of the distance between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

Tilt angle	5.2°
Module positioning	Horizontal - Short side / Vertical - Long side
Ballast weight	55 kg
Quantity per pallet	10 pieces
Pallet dimensions	950x730x627h mm
Pallet weight	560 kg
Compatible accessories	Sheathing (KGNF2325), Universal clamps (K23900/U.50, K23920/U.50), PowerClamp plate (K23900/PWC.50, 23920/PWC), Junction plate (K23804), U-Block (23015.CRP - 23030.CRP), No-Flex (K23712) Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.160 - CW.CABLOWIND.185)

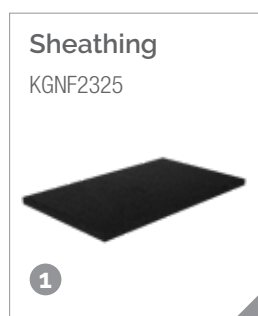
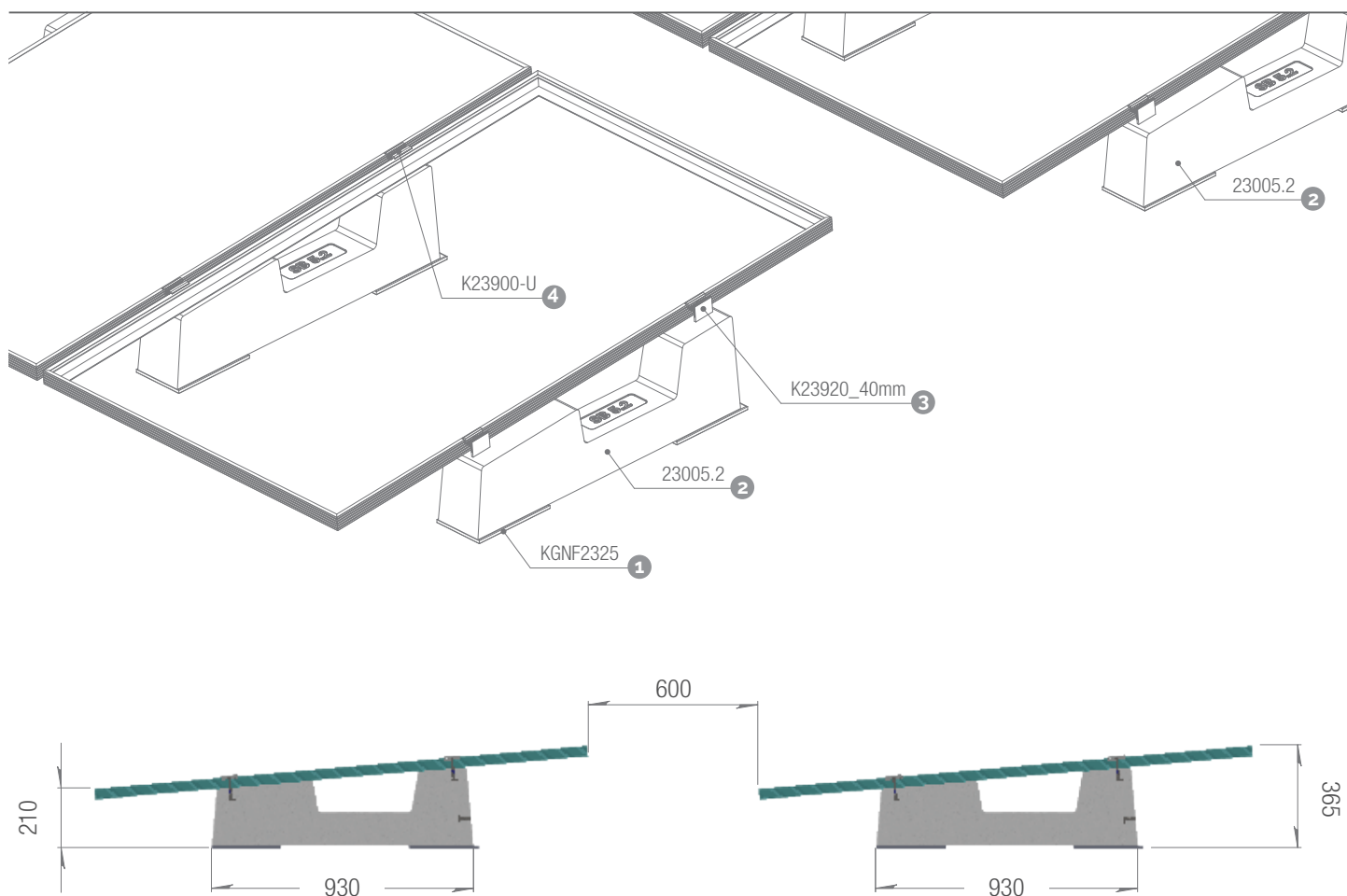
BALLAST DIMENSIONS



HORIZONTAL MODULE INSTALLATION - Short Side



VERTICAL MODULE INSTALLATION - Long Side



INFO

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BALLAST 5.3°

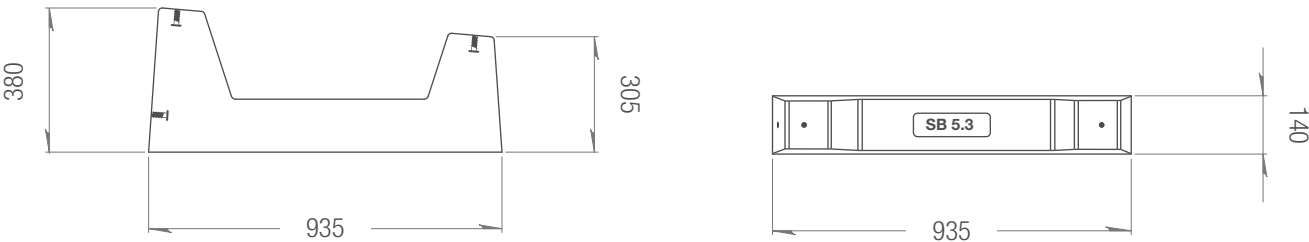
ART. 23005.3



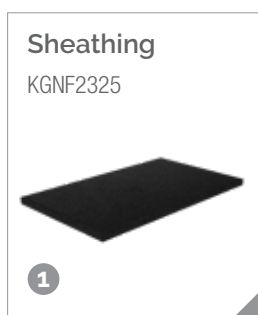
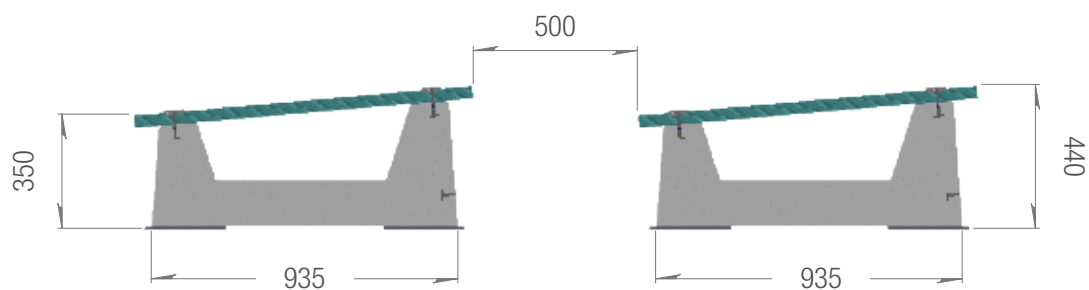
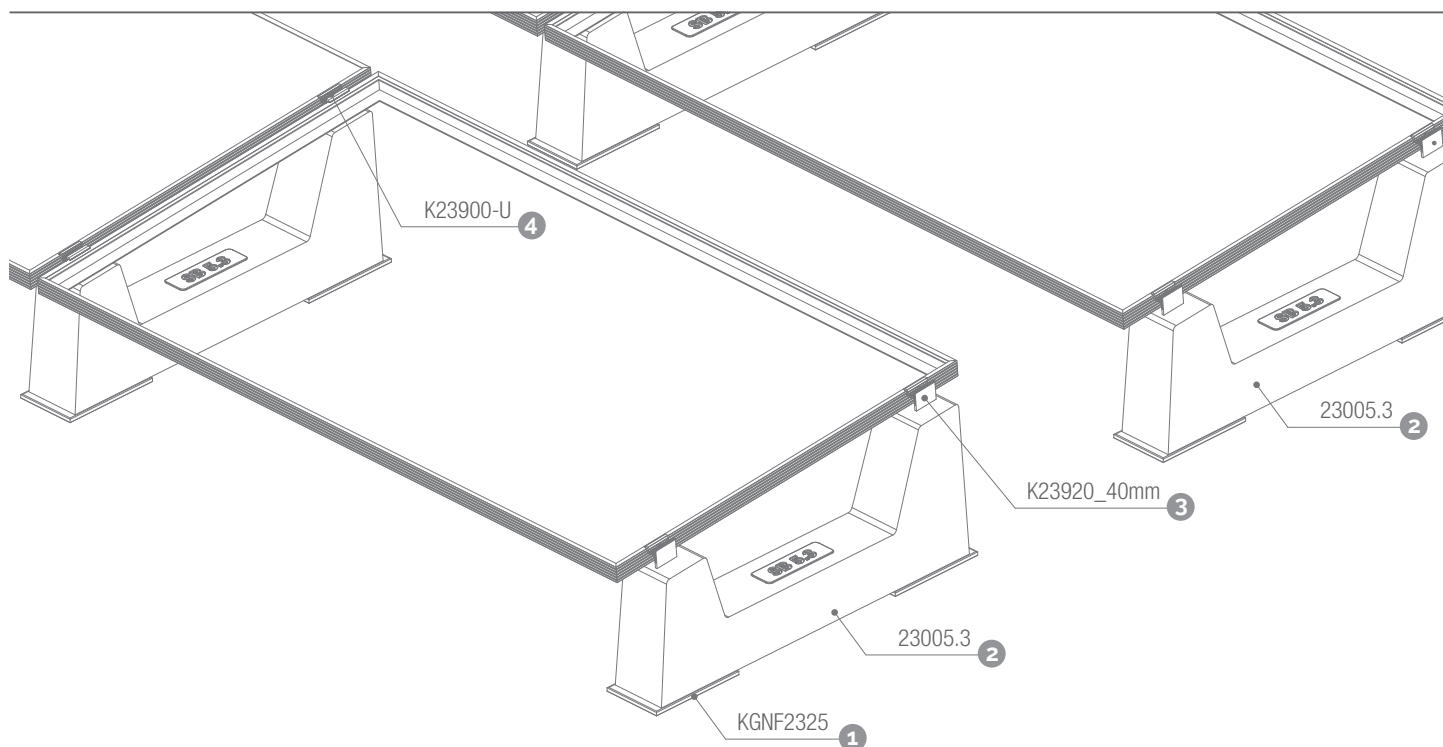
The Single-Row system offers a simple and highly versatile solution: available in a wide range of tilt angles from 0° to 30°, the ballasts allow for mounting of the panels vertically, horizontally, or with an East-West orientation. The mounting system enables flexible modulation of the distance between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

Tilt angle	5.3°
Module positioning	Horizontal - Short side / Vertical - Long side
Ballast weight	61 kg
Quantity per pallet	10 pieces
Pallet dimensions	950x730x838h mm
Pallet weight	620 kg
Compatible accessories	Sheathing (KGNF2325), Universal clamps (K23900/U.50, K23920/U.50), PowerClamp (K23900/PWC.50, 23920/PWC), Junction plate (K23804), U-Block (23015.CRP - 23030.CRP), No-Flex (K23712) Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.160 - CW.CABLOWIND.185)

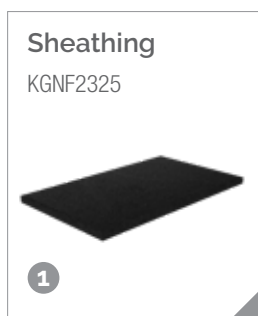
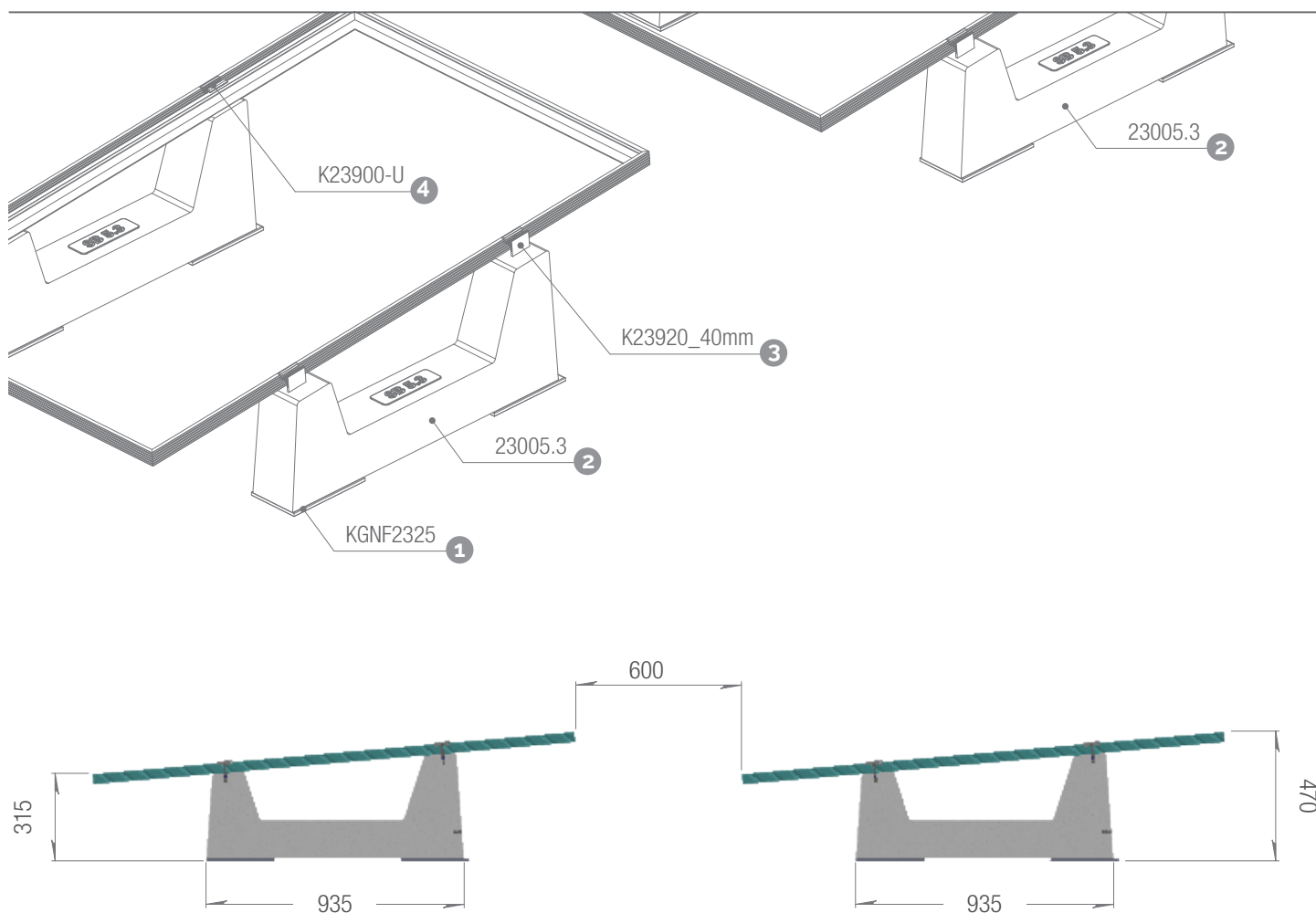
BALLAST DIMENSIONS



HORIZONTAL MODULE INSTALLATION - Short Side



VERTICAL MODULE INSTALLATION - Long Side



INFO

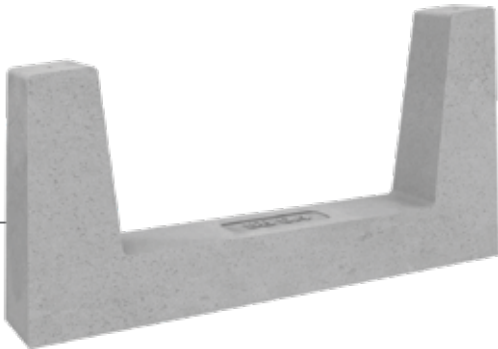
The images shown are for illustrative purposes only and may differ slightly.

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All dimensions shown in the figure are expressed in millimeters.

BALLAST 5.4°

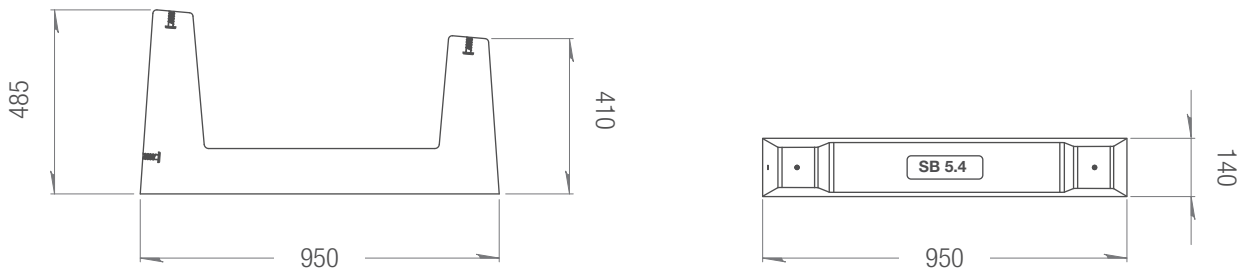
ART. 23005.4



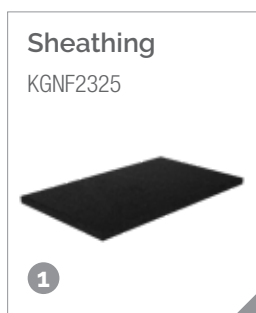
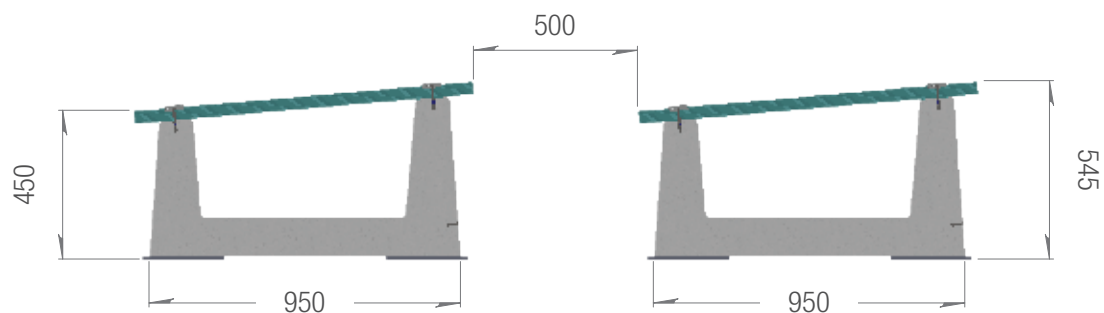
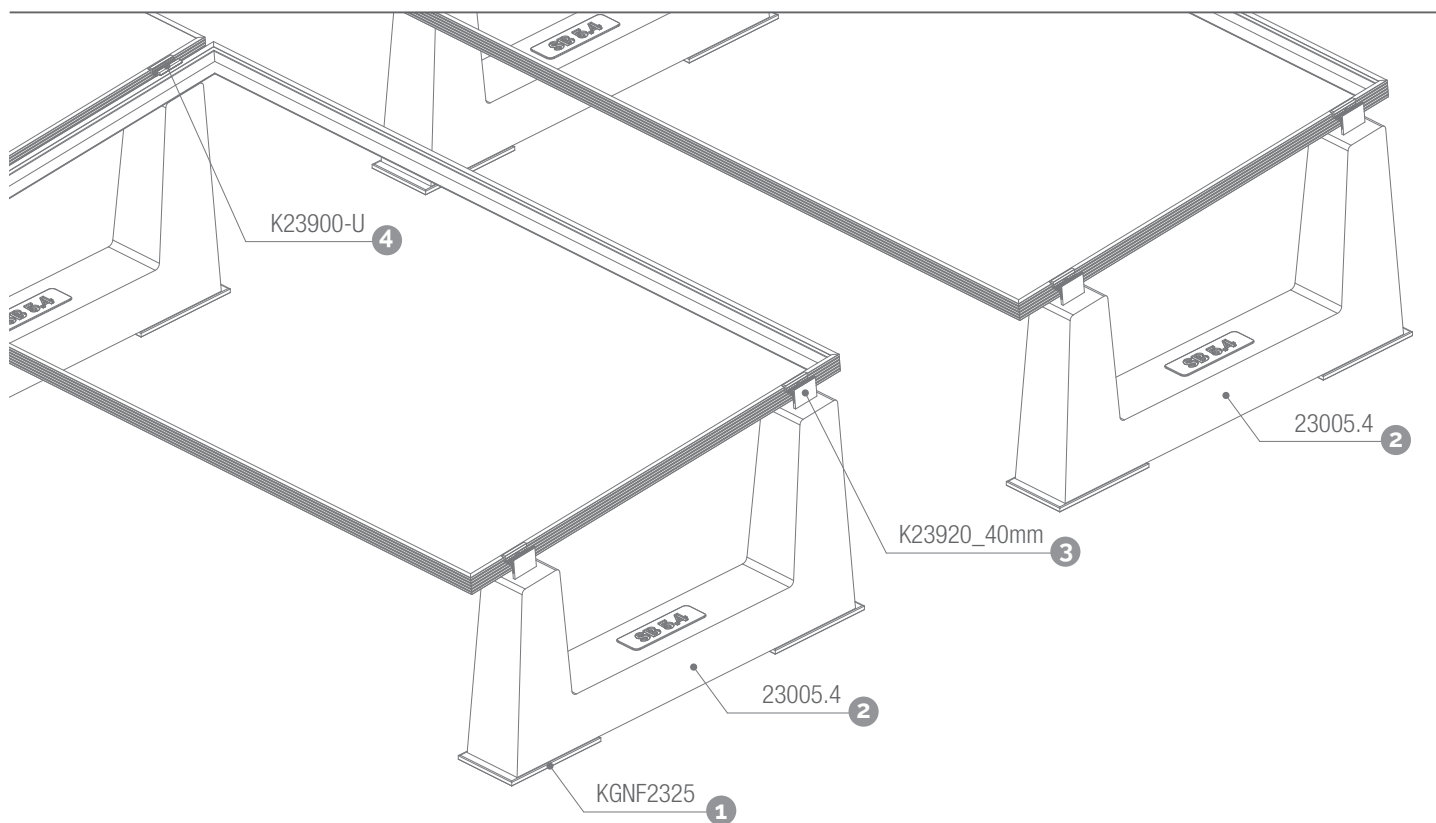
The Single-Row system offers a simple and highly versatile solution: available in a wide range of tilt angles from 0° to 30°, the ballasts allow for mounting of the panels vertically, horizontally, or with an East-West orientation. The mounting system enables flexible modulation of the distance between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

Tilt angle	5.4°
Module positioning	Horizontal - Short side / Vertical - Long side
Ballast weight	61 kg
Quantity per pallet	8 pieces
Pallet dimensions	970x590x1050h mm
Pallet weight	498 kg
Compatible accessories	Sheathing (KGNF2325), Universal clamps (K23900/U.50, K23920/U.50), PowerClamp (K23900/PWC.50, 23920/PWC), Junction plate (K23804), U-Block (23015.CRP - 23030.CRP), No-Flex (K23712) Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.160 - CW.CABLOWIND.185)

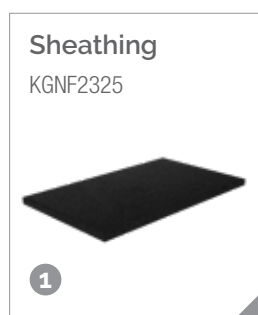
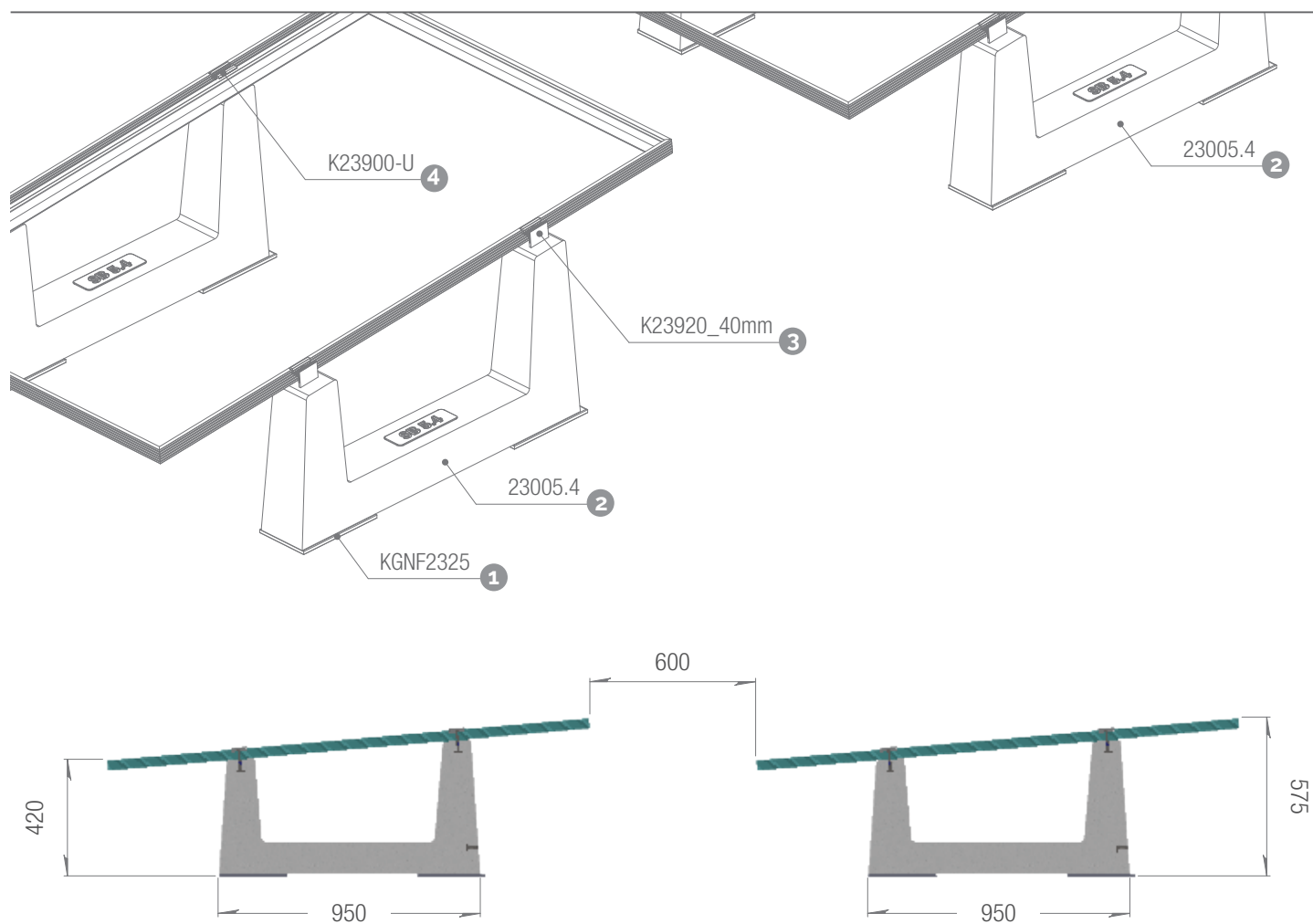
BALLAST DIMENSIONS



HORIZONTAL MODULE INSTALLATION - Short Side



VERTICAL MODULE INSTALLATION - Long Side



INFO

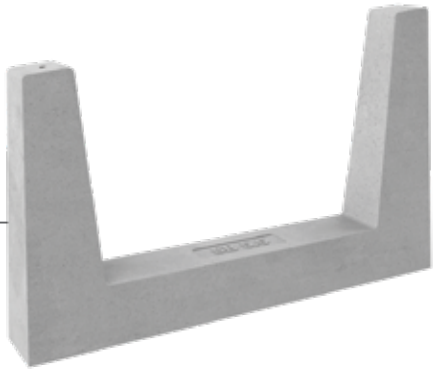
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All dimensions shown in the figure are expressed in millimeters.

BALLAST 5.5°

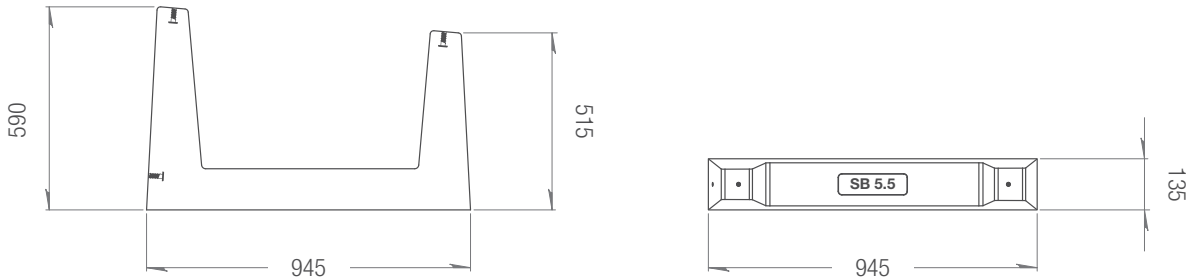
ART. 23005.5



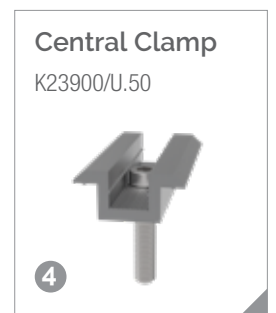
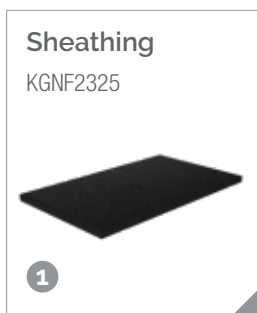
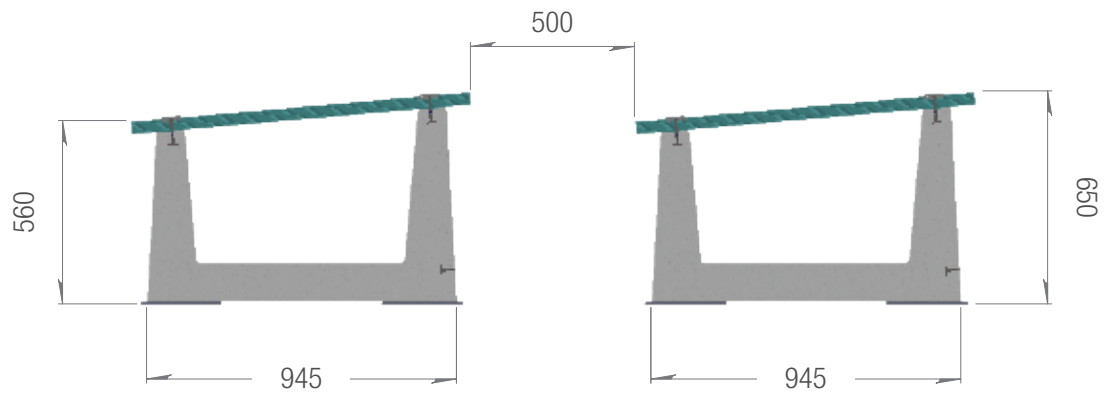
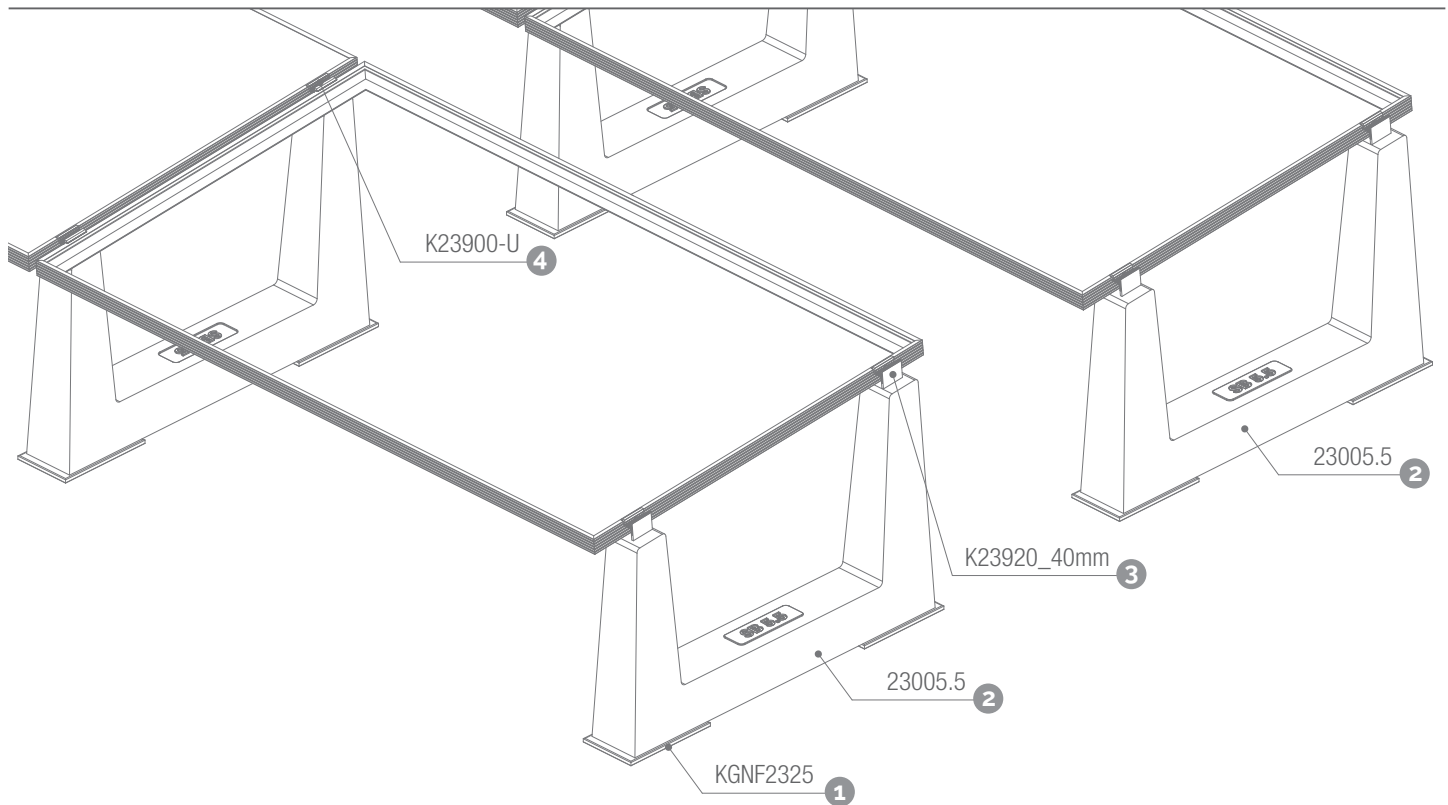
The Single-Row system offers a simple and highly versatile solution: available in a wide range of tilt angles from 0° to 30°, the ballasts allow for mounting of the panels vertically, horizontally, or with an East-West orientation. The mounting system enables flexible modulation of the distance between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

Tilt angle	5.5°
Module positioning	Horizontal - Short side / Vertical - Long side
Ballast weight	61 kg
Quantity per pallet	8 pieces
Pallet dimensions	1100x670x629h mm
Pallet weight	500 kg
Compatible accessories	Sheathing (KGNF2325), Universal clamps (K23900/U.50, K23920/U.50), PowerClamp (K23900/PWC.50, 23920/PWC), Junction plate (K23804), U-Block (23015.CRP - 23030.CRP), No-Flex (K23712) Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.160 - CW.CABLOWIND.185)

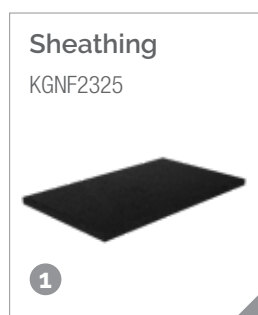
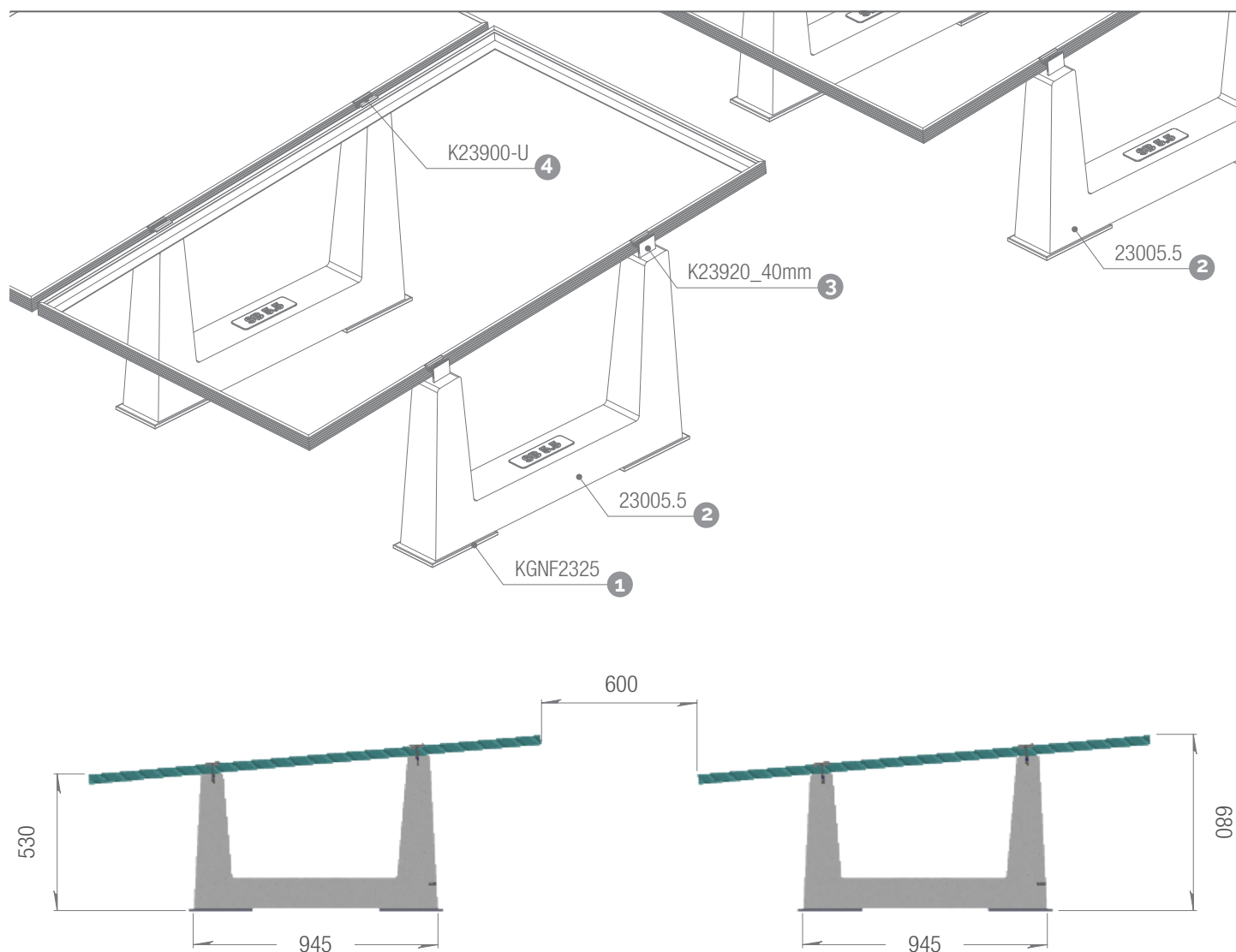
BALLAST DIMENSIONS



HORIZONTAL MODULE INSTALLATION - Short Side



VERTICAL MODULE INSTALLATION - Long Side



INFO

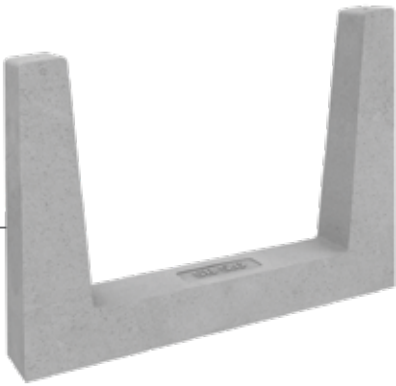
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All dimensions shown in the figure are expressed in millimeters.

BALLAST 5.6°

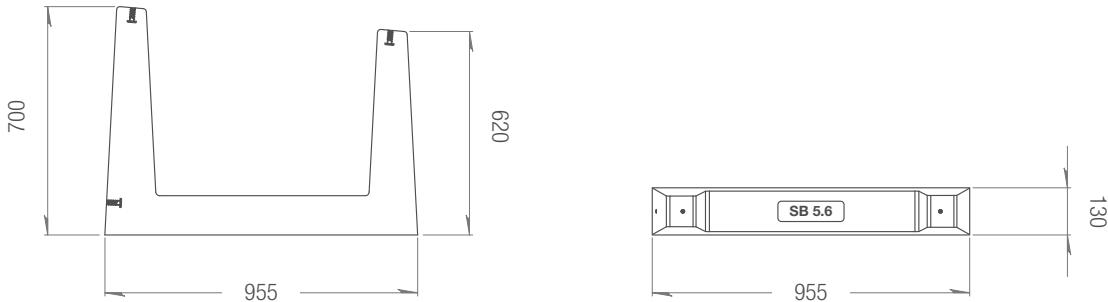
ART. 23005.6



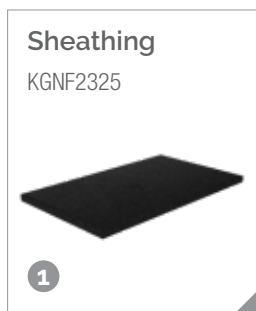
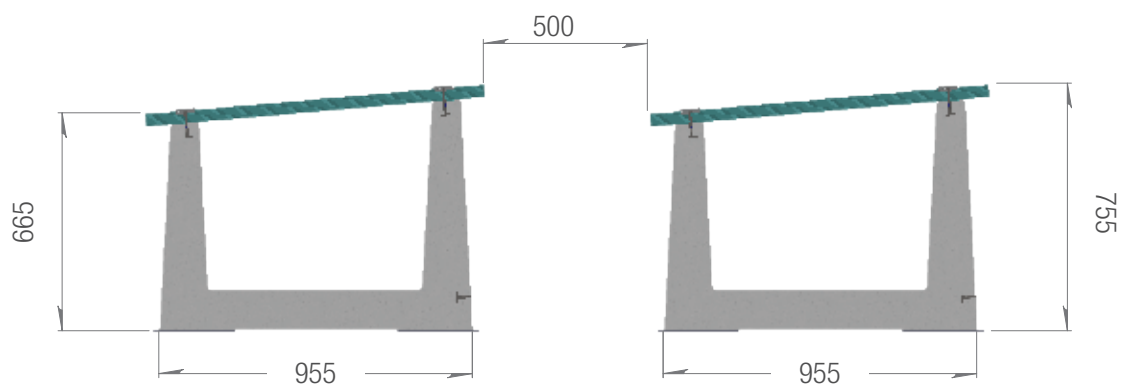
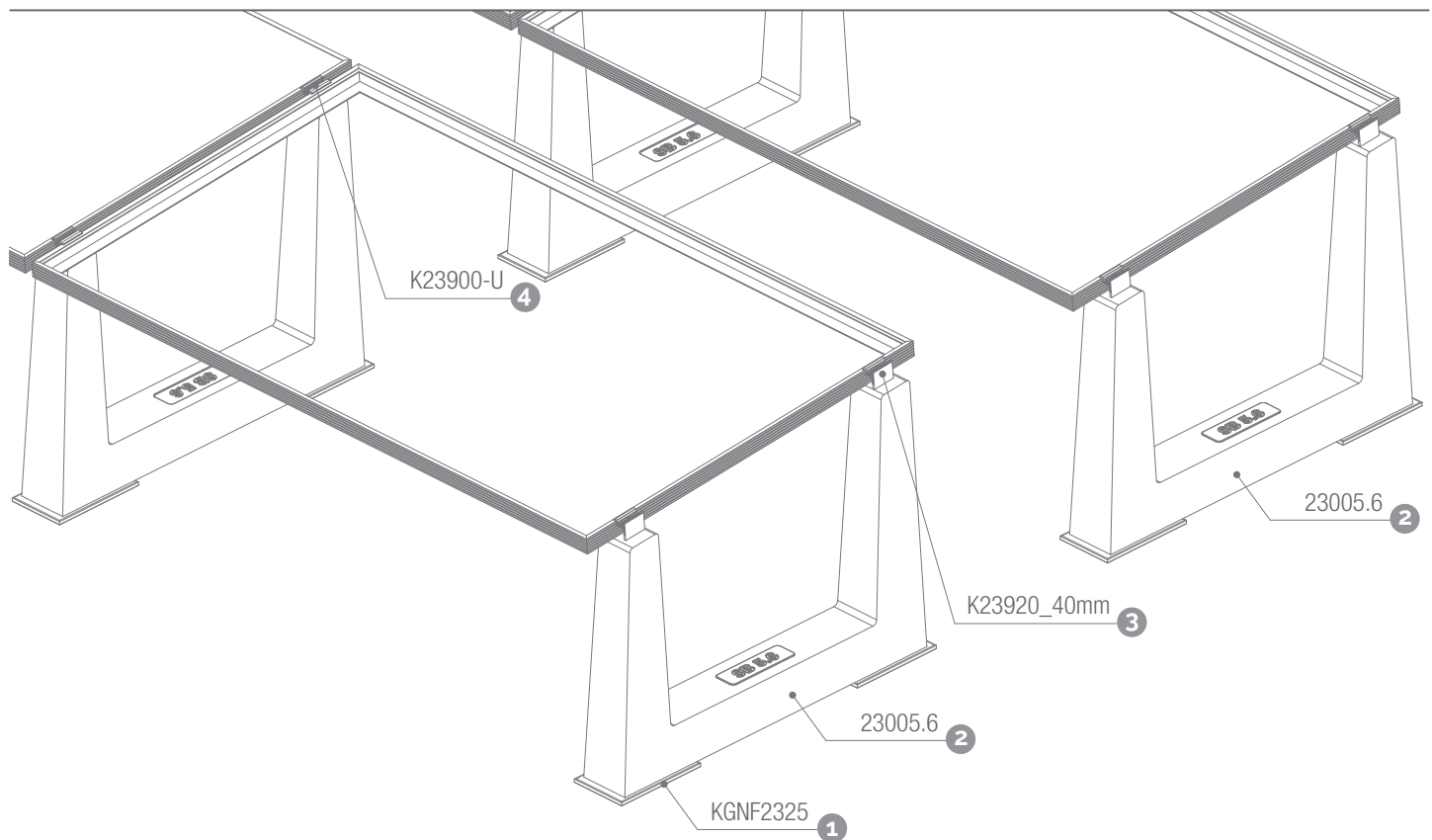
The Single-Row system offers a simple and highly versatile solution: available in a wide range of tilt angles from 0° to 30°, the ballasts allow for mounting of the panels vertically, horizontally, or with an East-West orientation. The mounting system enables flexible modulation of the distance between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

Tilt angle	5.6°
Module positioning	Horizontal - Short side / Vertical - Long side
Ballast weight	67 kg
Quantity per pallet	8 pieces
Pallet dimensions	1100x770x629h mm
Pallet weight	548 kg
Compatible accessories	Sheathing (KGNF2325), Universal clamps (K23900/U.50, K23920/U.50), PowerClamp (K23900/PWC.50, 23920/PWC), Junction plate (K23804), U-Block (23015.CRP - 23030.CRP), No-Flex (K23712) Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.160 - CW.CABLOWIND.185)

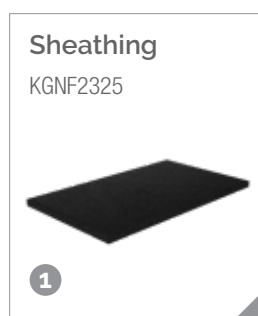
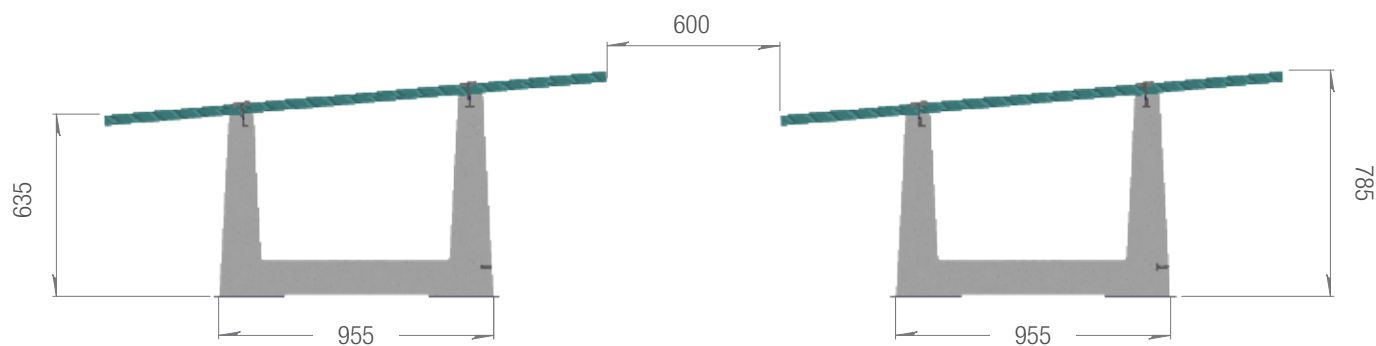
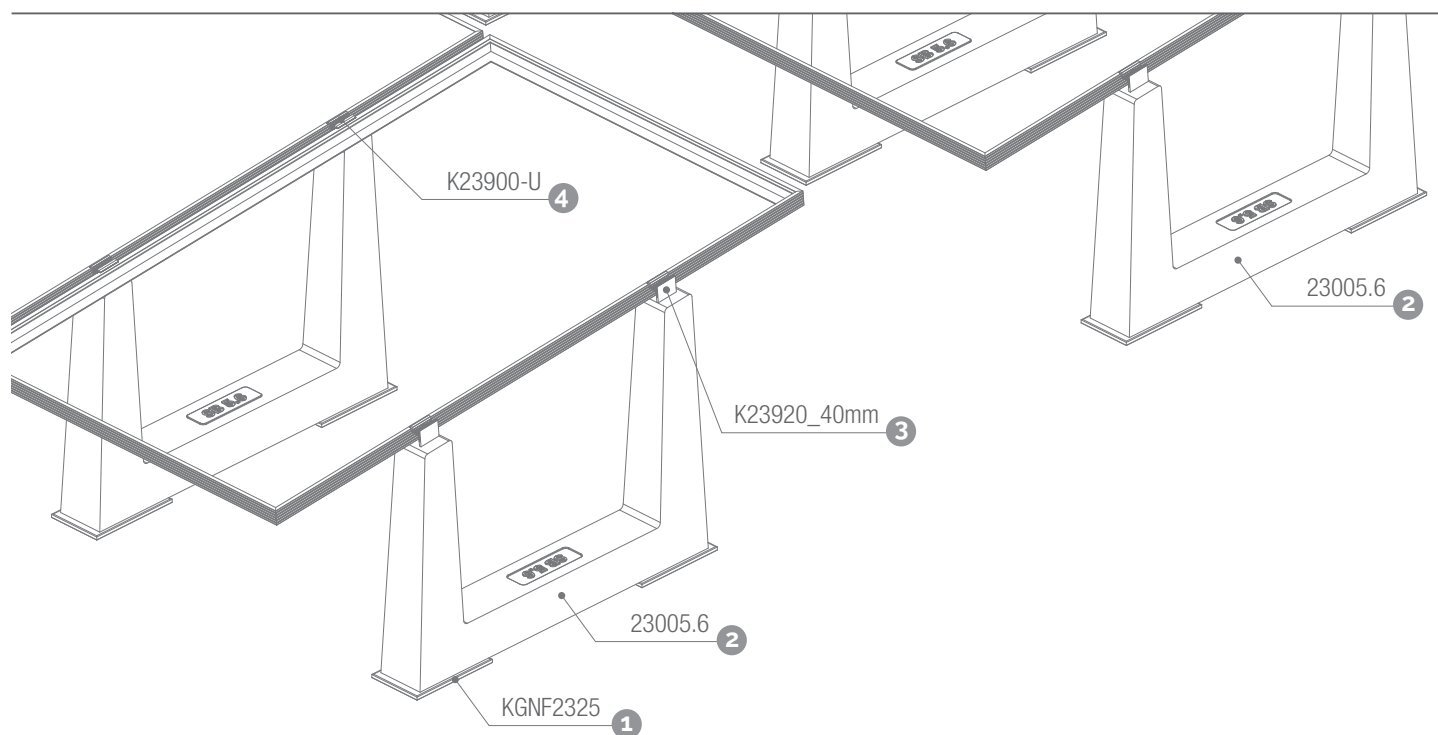
BALLAST DIMENSIONS



HORIZONTAL MODULE INSTALLATION - Short Side



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/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: $\pm 5\%$;
- 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

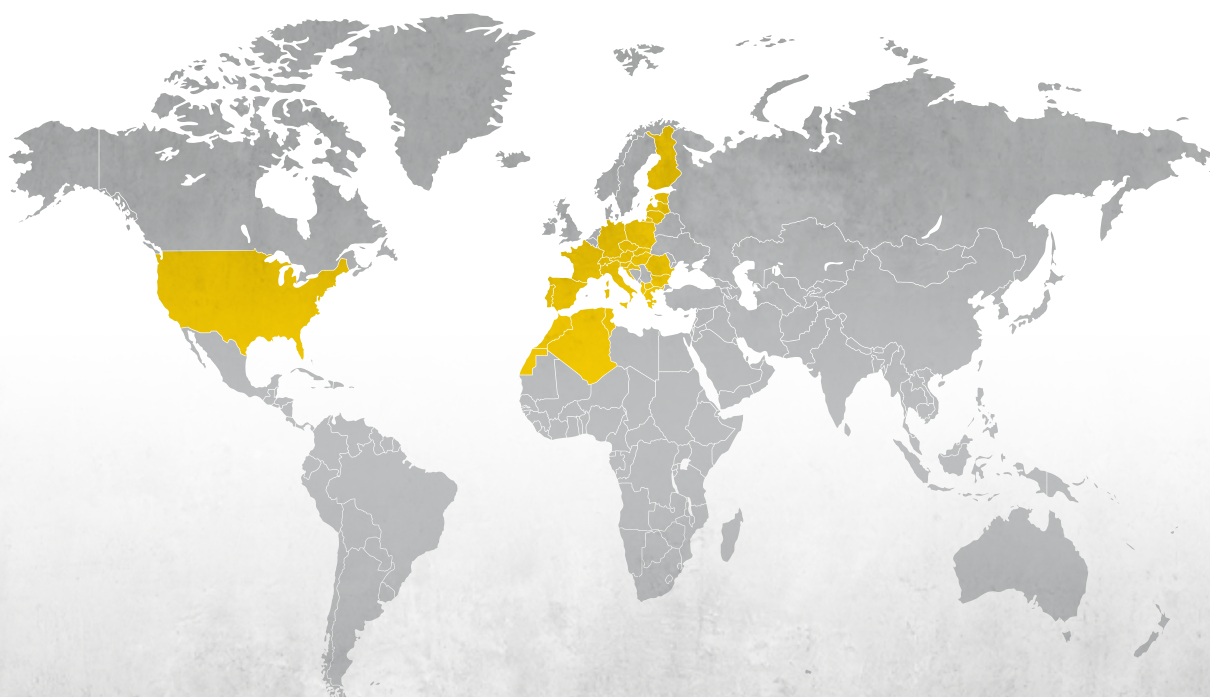
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MADE TO LAST.

www.sunballast.com