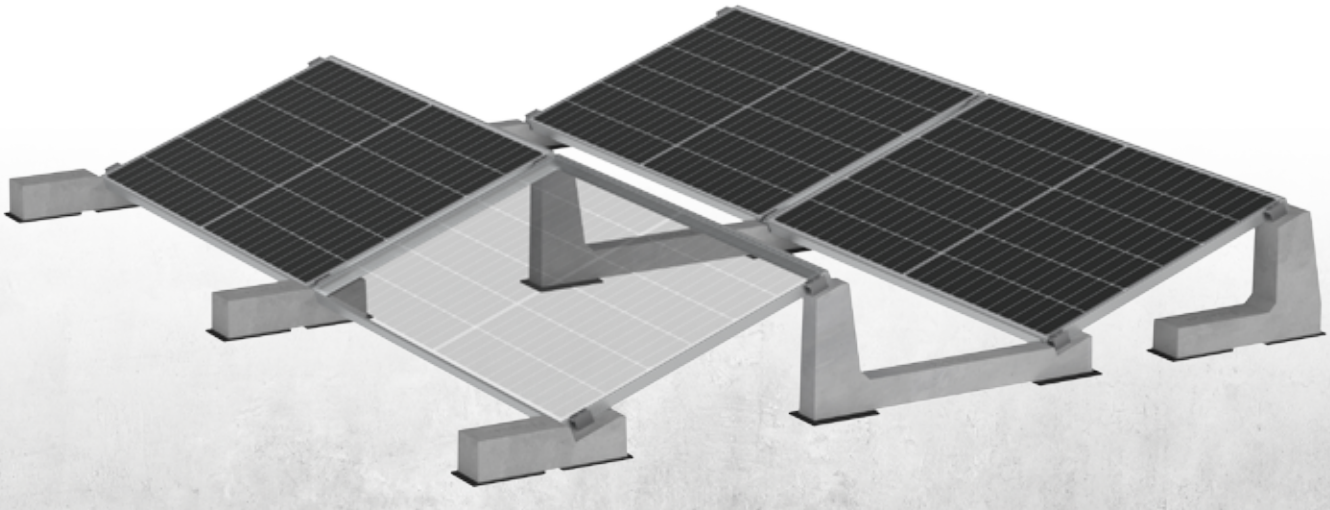
SUN BALLAST®
Made to last
Patented systems

SINCE 2012
IDEAL SOLAR
MOUNTING SYSTEM
FOR FLAT ROOFS

Technical Sheet
Connect 20°

ART.23020.CF/CR/CRT



11/2025

CONNECT 20°

ART. 23020.CF/CR/CRT

The perfect balance between strength and lightness: the Connect system links modules and ballasts into a single reticular structure, reducing roof loads and transportation costs, while ensuring perfectly balanced weight distribution.

Tilt angle	20°
Module positioning	Horizontal - Short side
Compatible accessories	Sheathing (KGN23115), 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)

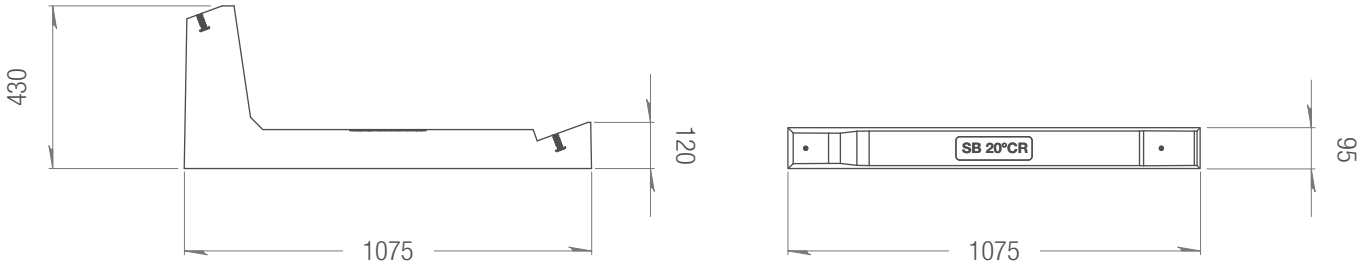
BALLAST ART. 23020.CF			
Ballast weight	22 kg	**Pallet dimensions**	1050x1010x412h mm
Quantity per pallet	28 pieces	**Pallet weight**	630 kg

BALLAST ART. 23020.CR			
Ballast weight	33 kg	**Pallet dimensions**	880x1090x729h mm
Quantity per pallet	18 pieces	**Pallet weight**	607 kg

BALLAST ART. 23020.CRT			
Ballast weight	35 kg	**Pallet dimensions**	1080x610x736h mm
Quantity per pallet	16 pieces	**Pallet weight**	575 kg

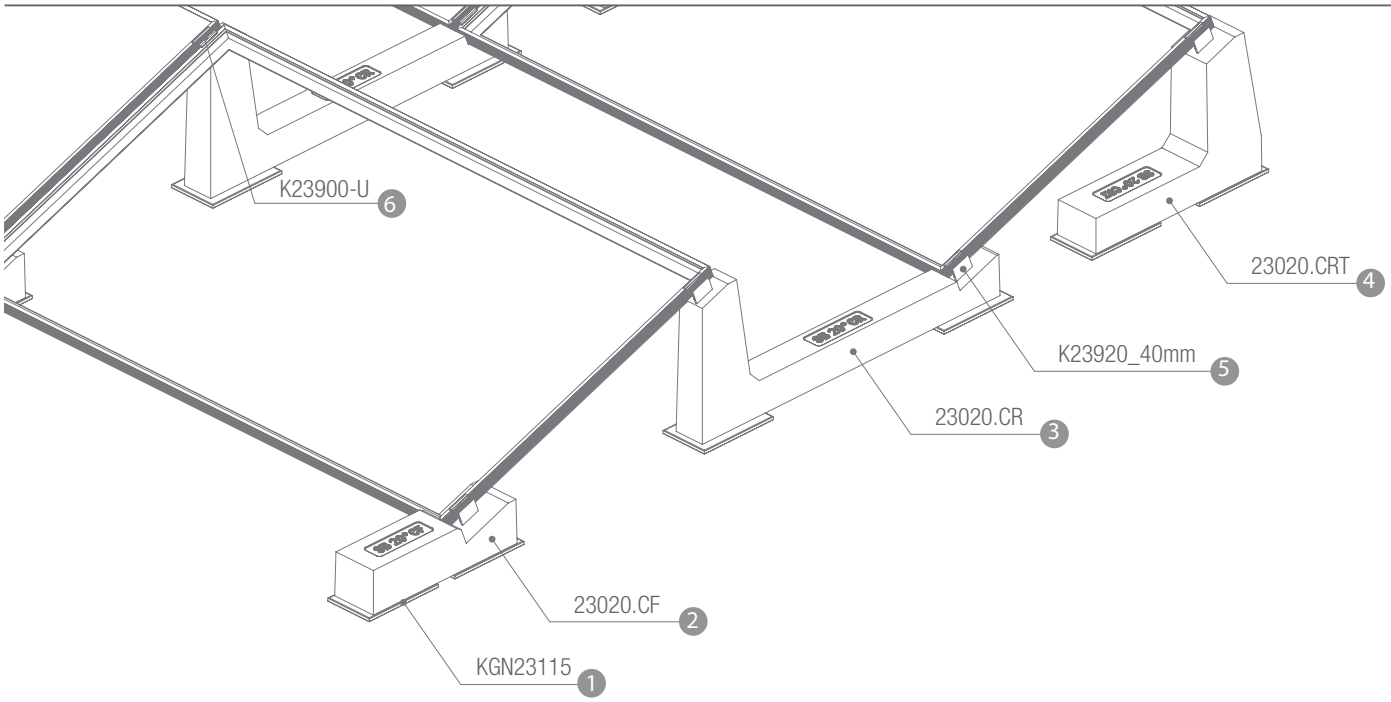
BALLAST 23020.CF DIMENSIONS

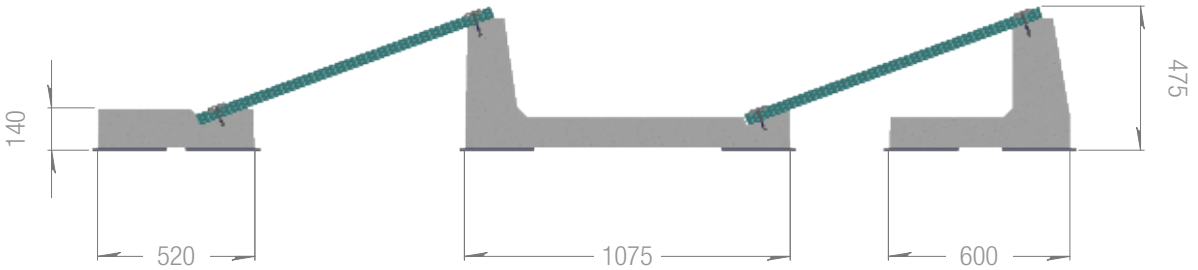
BALLAST 23020.CR DIMENSIONS



BALLAST 23020.CRT DIMENSIONS

HORIZONTAL MODULE INSTALLATION - Short Side





Sheathing	Ballast	Ballast	Ballast	Terminal Clamp	Central Clamp
KGN23115	23020.CF	23020.CR	23020.CRT	K23920/U.50	K23900/U.50
1	2	3	4	5	6

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: ±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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Made to last
Patented systems

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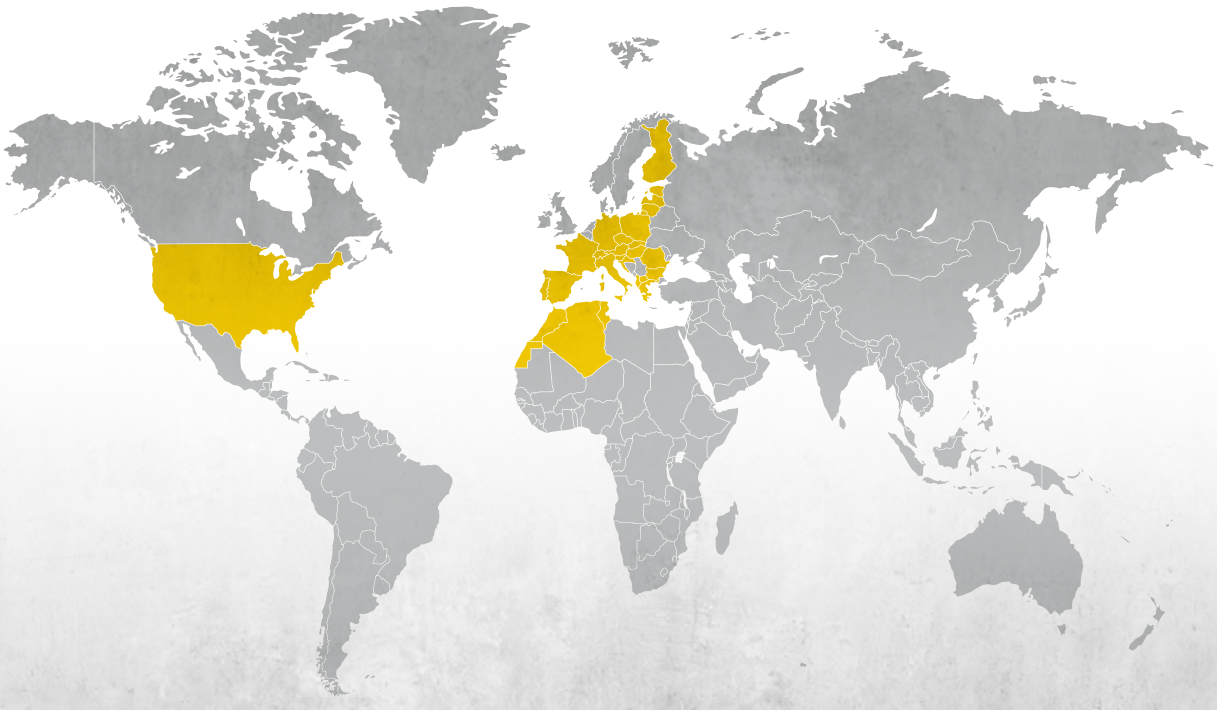

MADE TO LAST.

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