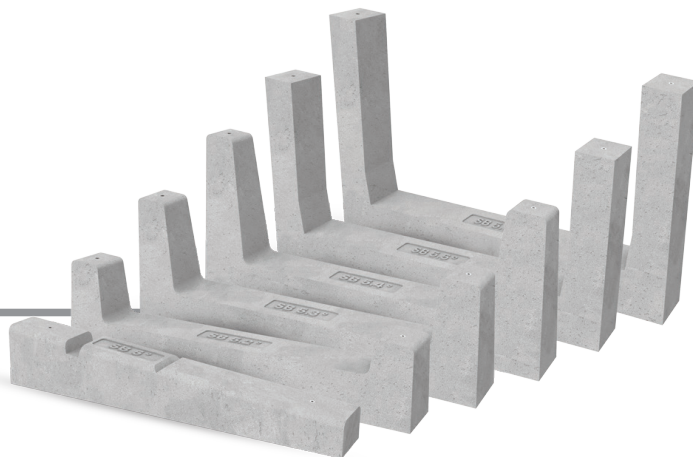


SYSTEM:

SAIL SHAPED 5°

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



Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Rubber protection sheath (KGN23115), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712), Universal junction plate (K23804)		
Application	Any type of flat roof with a slope of max. 5°, on the ground, on beaten earth, or on paved surfaces		
Angle of Inclination	5°	Module positioning	Horizontal / Vertical

Ballast Art. 23005

Ballast weight	39 kg	Pallet dimensions	58 cm x 96 cm, h = 77 cm
Quantity per pallet	14 pieces	Pallet weight	546 kg

Ballast Art. 23005.2

Ballast weight	41 kg	Pallet dimensions	58 cm x 96 cm, h = 74 cm
Quantity per pallet	12 pieces	Pallet weight	492 kg

Ballast Art. 23005.3

Ballast weight	49 kg	Pallet dimensions	70 cm x 98 cm, h = 74 cm
Quantity per pallet	12 pieces	Pallet weight	588 kg

Ballast Art. 23005.4

Ballast weight	53 kg	Pallet dimensions	70 cm x 98 cm, h = 87 cm
Quantity per pallet	10 pieces	Pallet weight	530 kg

Ballast Art. 23005.5

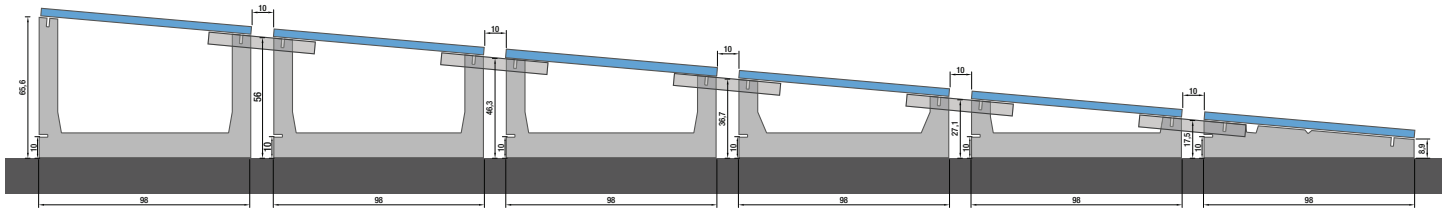
Ballast weight	59 kg	Pallet dimensions	70 cm x 98 cm, h = 87 cm
Quantity per pallet	10 pieces	Pallet weight	590 kg

Ballast Art. 23005.6

Ballast weight	64 kg	Pallet dimensions	70 cm x 98 cm, h = 87 cm
Quantity per pallet	8 pieces	Pallet weight	512 kg

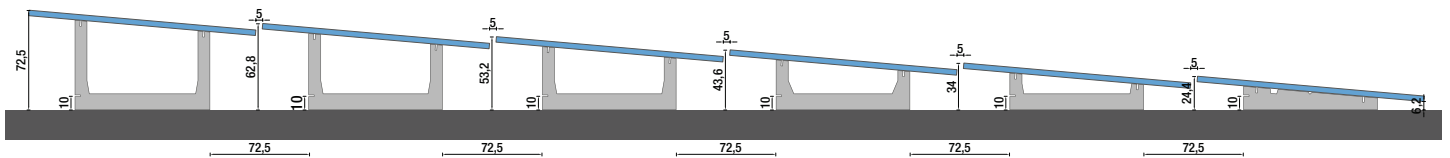
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 150



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 150

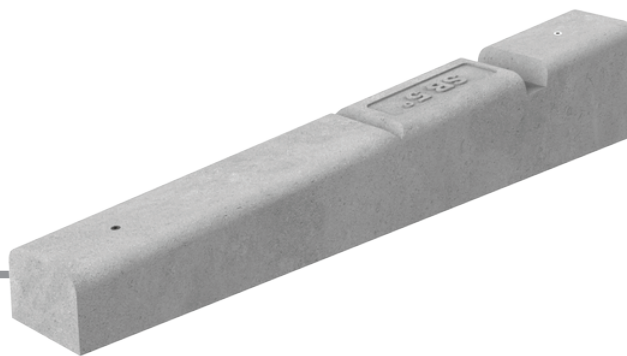


INFO

- The torque applied must refer to the mechanical standard conforming to the bolt in use, with M8 stainless steel bolts using a torque of 12 - 14 Nm
- Avoid impact wrenches.
- Always refer to the information given in the panel manufacturer's installation sheet.
- Follow the Sun Ballast® installation instructions.
- The dimensions shown are all in centimeters.
- For further information, please visit www.sunballast.en

BALLAST 5°

ART. 23005



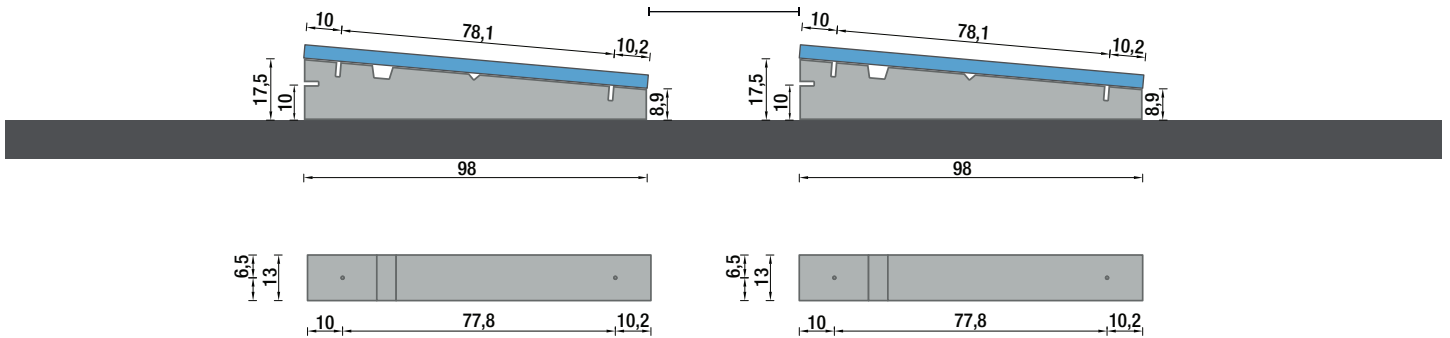
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	Sheathing (KGN23115), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712), Junction plate for ballast (K23804)		
Application	Any type of flat roof with a slope of max. 5°, on the ground, on beaten earth, or on paved surfaces		
Angle of Inclination	5°	Module positioning	Horizontal / Vertical

Ballast Art. 23005

Ballast weight	39 kg	Pallet dimensions	110 cm x 98 cm h = 35 cm
Quantity per pallet	14 pieces	Pallet weight	546 kg

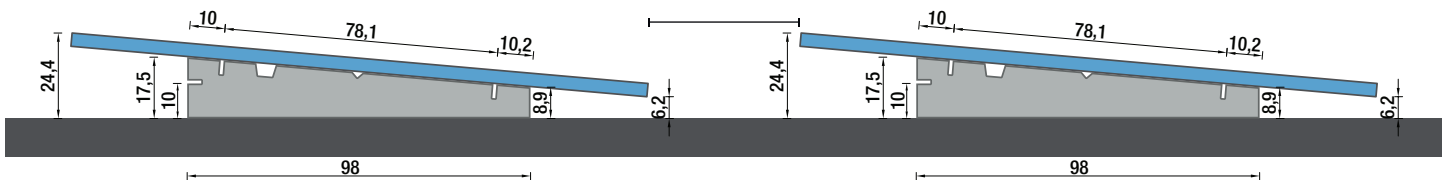
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 60



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 60

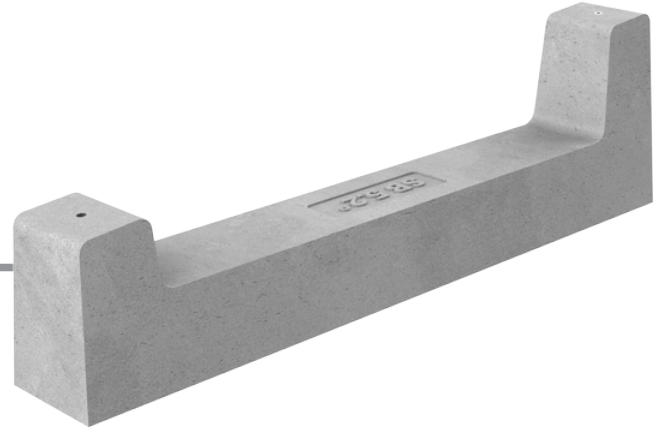


INFO

- The torque applied must refer to the mechanical standard conforming to the bolt in use, with M8 stainless steel bolts using a torque of 12 - 14 Nm
- Avoid impact wrenches.
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- Follow the Sun Ballast® installation instructions.
- The dimensions shown are all in millimeters.
- For further information, please visit www.sunballast.en

BALLAST 5°.2

ART. 23005.2



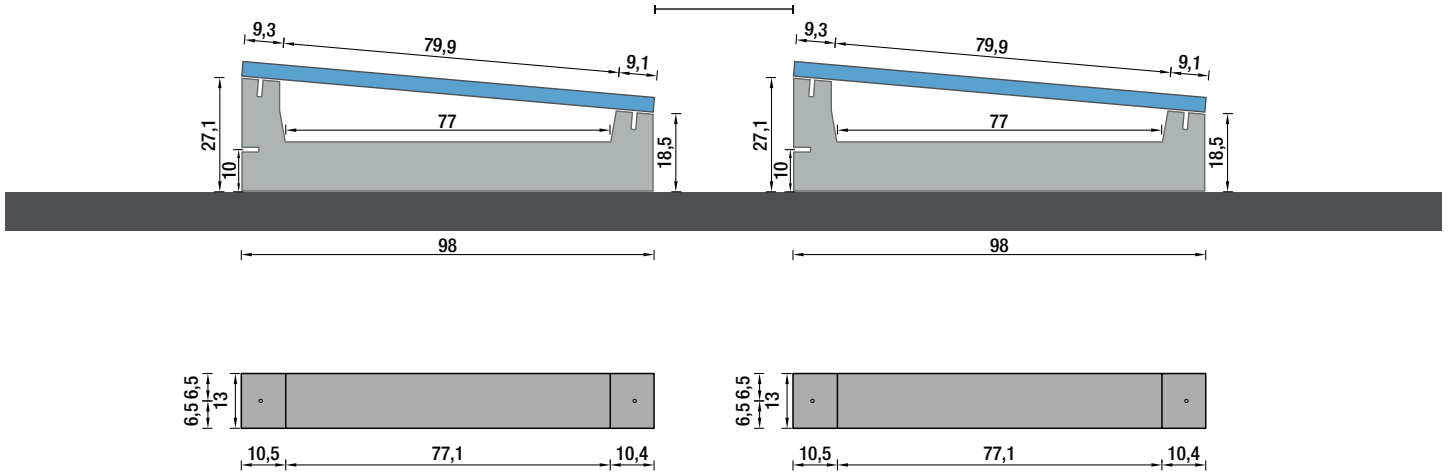
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23115), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712), Junction plate for ballast (K23804)		
Application	Any type of flat roof with a slope of max. 5°, on the ground, on beaten earth, or on paved surfaces		
Angle of Inclination	5°	Module positioning	Horizontal / Vertical

Ballast Art. 23005.2

Ballast weight	41 kg	Pallet dimensions	90 cm x 98 cm h = 35 cm
Quantity per pallet	12 pieces	Pallet weight	492 kg

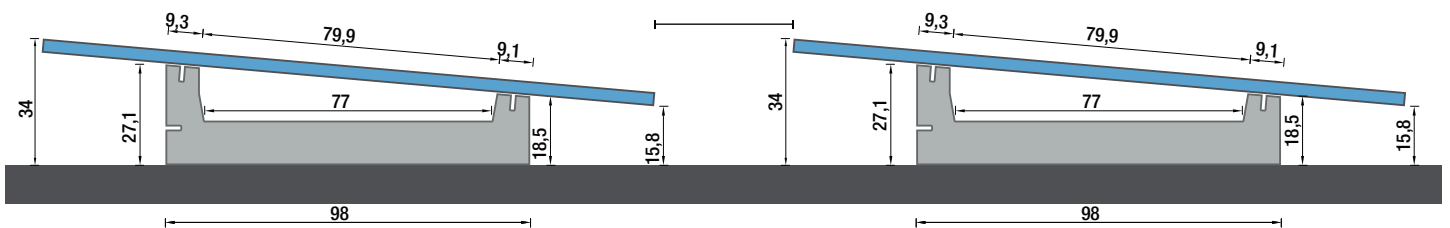
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 60



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 60

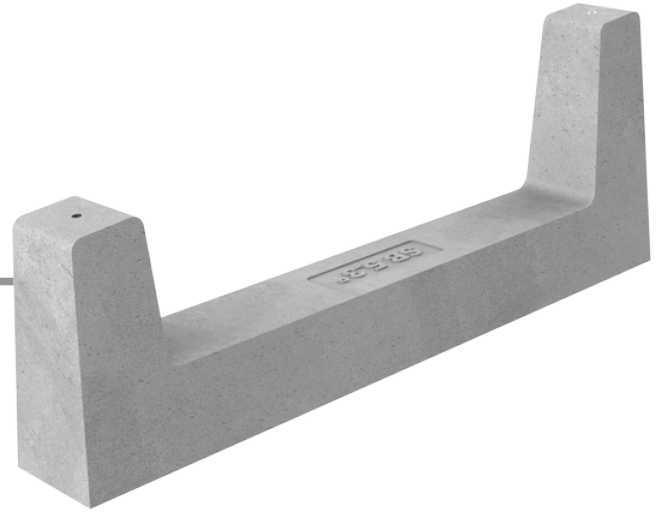


INFO

- The torque applied must refer to the mechanical standard conforming to the bolt in use, with M8 stainless steel bolts using a torque of 12 - 14 Nm
- Avoid impact wrenches.
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- Follow the Sun Ballast® installation instructions.
- The dimensions shown are all in millimeters.
- For further information, please visit www.sunballast.en

BALLAST 5°.3

ART. 23005.3



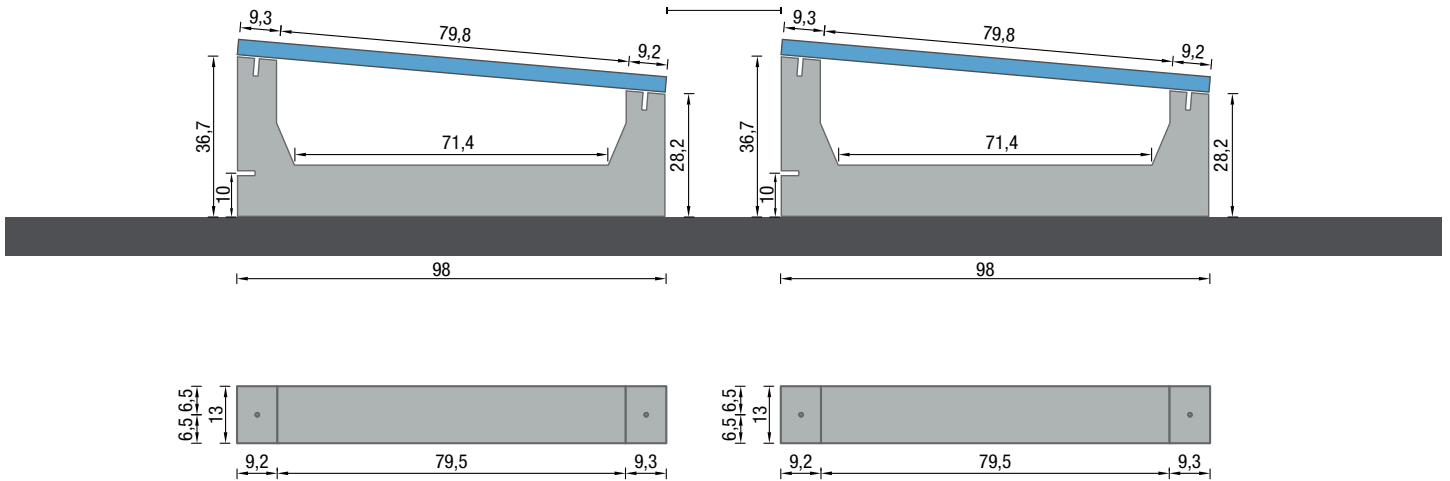
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23115), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712), Junction plate for ballast (K23804)		
Application	Any type of flat roof with a slope of max. 5°, on the ground, on beaten earth, or on paved surfaces		
Angle of Inclination	5°	Module positioning	Horizontal / Vertical

Ballast Art. 23005.3

Ballast weight	49 kg	Pallet dimensions	130 cm x 98 cm h = 35 cm
Quantity per pallet	12 pieces	Pallet weight	588 kg

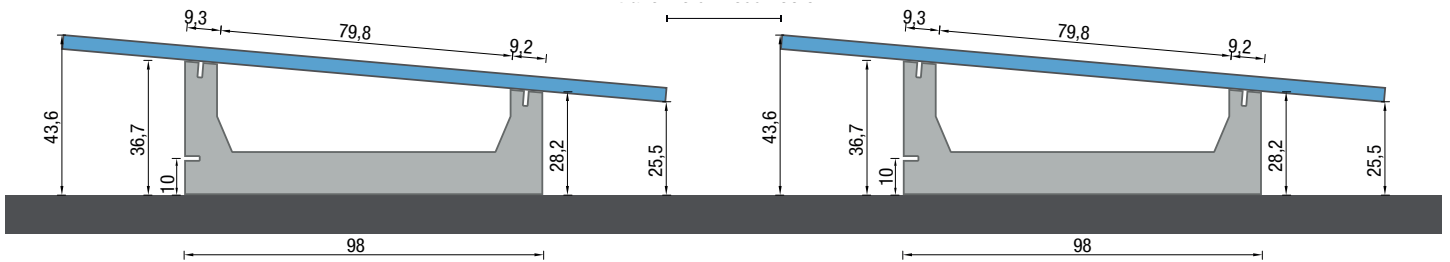
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 60



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 60

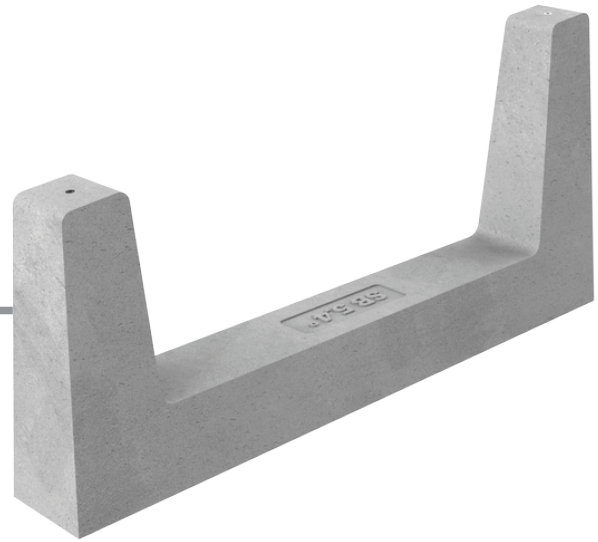


INFO

- The torque applied must refer to the mechanical standard conforming to the bolt in use, with M8 stainless steel bolts using a torque of 12 - 14 Nm
- Avoid impact wrenches.
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- For further information, please visit www.sunballast.en

BALLAST 5°.4

ART. 23005.4



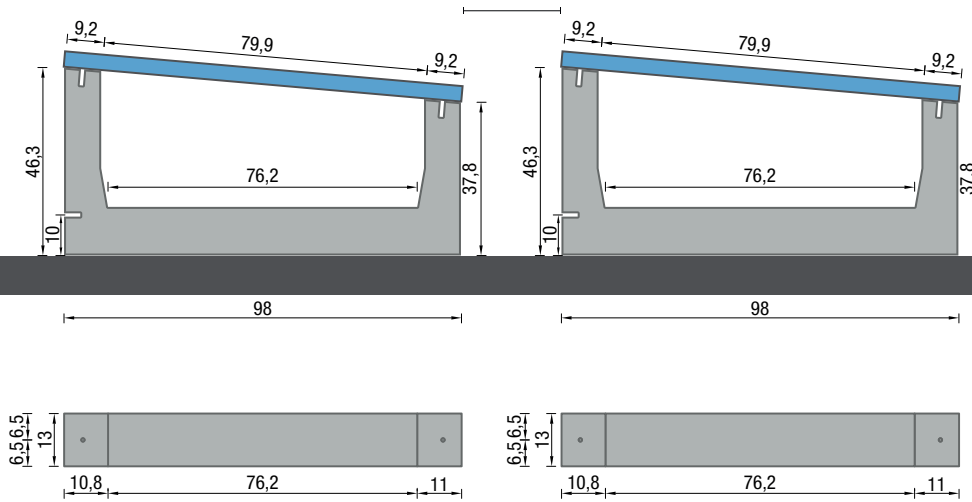
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23115), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712), Junction plate for ballast (K23804)		
Application	Any type of flat roof with a slope of max. 5°, on the ground, on beaten earth, or on paved surfaces		
Angle of Inclination	5°	Module positioning	Horizontal / Vertical

Ballast Art. 23005.4

Ballast weight	53 kg	Pallet dimensions	90 cm x 98 cm h = 74 cm
Quantity per pallet	12 pieces	Pallet weight	530 kg

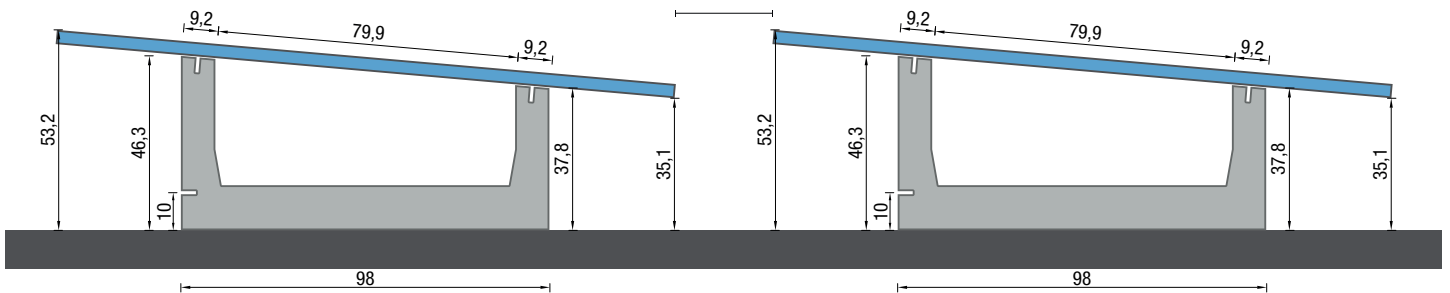
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 60



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 60

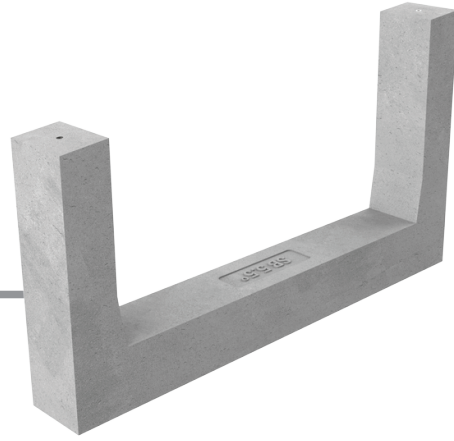


INFO

- The torque applied must refer to the mechanical standard conforming to the bolt in use, with M8 stainless steel bolts using a torque of 12 - 14 Nm
- Avoid impact wrenches.
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- For further information, please visit www.sunballast.en

BALLAST 5.5°

ART. 23005.5



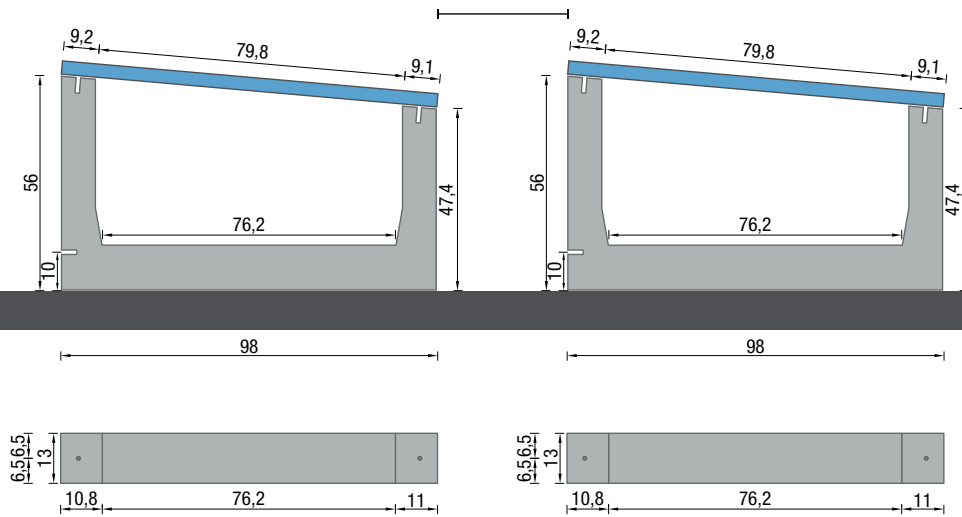
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23115), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712) , Junction plate for ballast (K23804)		
Application	Any type of flat roof with a slope of max. 5°, on the ground, on beaten earth, or on paved surfaces		
Angle of Inclination	5°	Module positioning	Horizontal / Vertical

Ballast Art. 23005.5

Ballast weight	59 kg	Pallet dimensions	110 cm x 98 cm h = 74 cm
Quantity per pallet	10 pieces	Pallet weight	600 kg

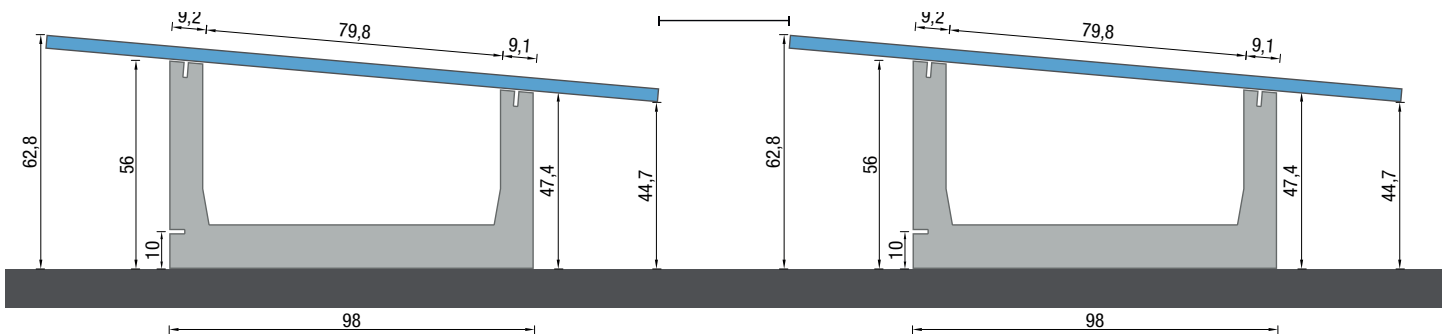
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 60



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 60

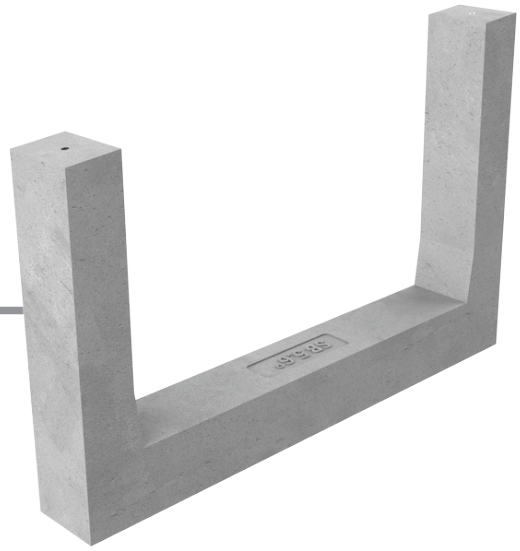


INFO

- The torque applied must refer to the mechanical standard conforming to the bolt in use, with M8 stainless steel bolts using a torque of 12 - 14 Nm
- Avoid impact wrenches.
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- Follow the Sun Ballast® installation instructions.
- The dimensions shown are all in millimeters.
- For further information, please visit www.sunballast.en

BALLAST 5°.6

ART. 23005.6



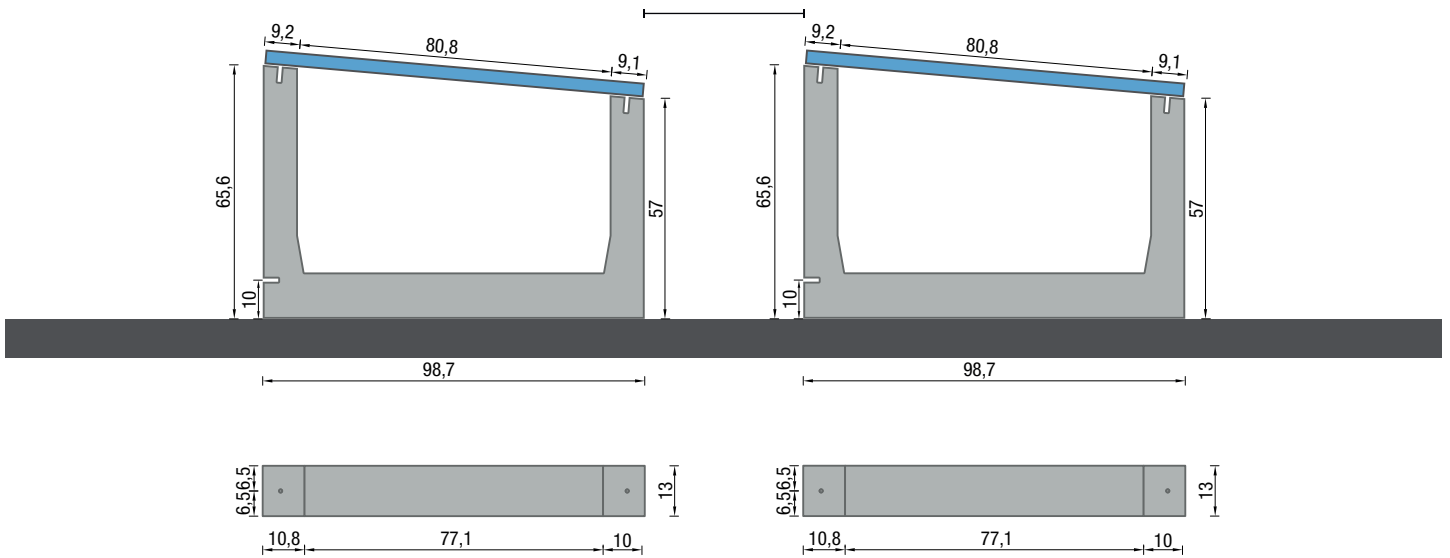
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23115), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712), Junction plate for ballast (K23804)		
Application	Any type of flat roof with a slope of max. 5°, on the ground, on beaten earth, or on paved surfaces		
Angle of Inclination	5°	Module positioning	Horizontal / Vertical

Ballast Art. 23005.6

Ballast weight	64 kg	Pallet dimensions	130 cm x 98 cm h = 61 cm
Quantity per pallet	8 pieces	Pallet weight	512 kg

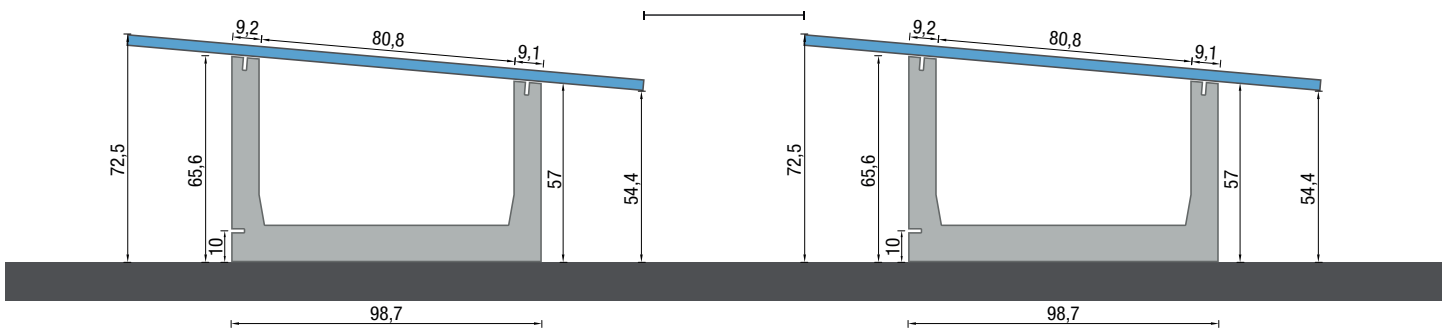
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 60



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 60



INFO

- The torque applied must refer to the mechanical standard conforming to the bolt in use, with M8 stainless steel bolts using a torque of 12 - 14 Nm
- Avoid impact wrenches.
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- Follow the Sun Ballast® installation instructions.
- The dimensions shown are all in millimeters.
- For further information, please visit www.sunballast.en

TECHNICAL REQUIREMENTS

Designation:	Designation: Unreinforced precast concrete ballast. (Inside there is an iron rod to increase mechanical elasticity)
Article:	Sun Ballast (Patented System)

Basic Srl, 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 (spelling correction) renders this declaration of technical requirements null and void. The technical characteristics of the product are listed below.

TECHNICAL CHARACTERISTICS

- 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;
- Average H₂O penetration depth under pressure 500 kPa: 10 mm;
- Weight tolerance: ±5%;
- 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.