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Patented systems

**TECHNICAL
DATA SHEETS**

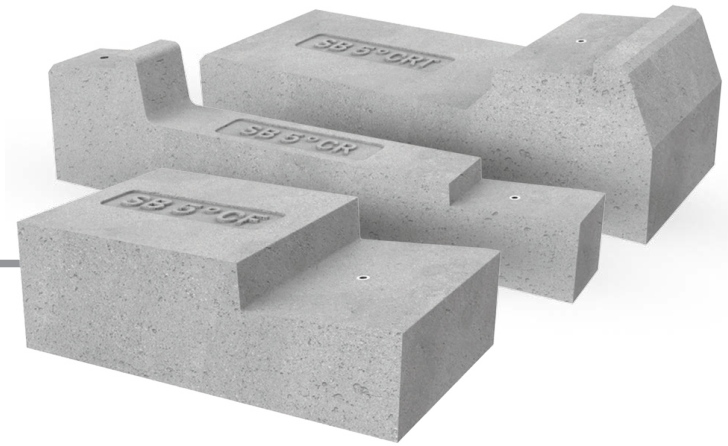
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SYSTEM:

CONNECT 5°

ART. 23005.CF/.CR/.CRT



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	Rubber protection sheath (KGN23115), No-Flex (K23712), Universal junction plate (K23804), U-Block XS (23015.CRP)		
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

Front Ballast Art. 23005.CF

Ballast weight	20 kg	Pallet dimensions	70 cm x 98 cm h = 85 cm
Quantity per pallet	32 pieces	Pallet weight	640 kg

Central Ballast Art. 23005.CR

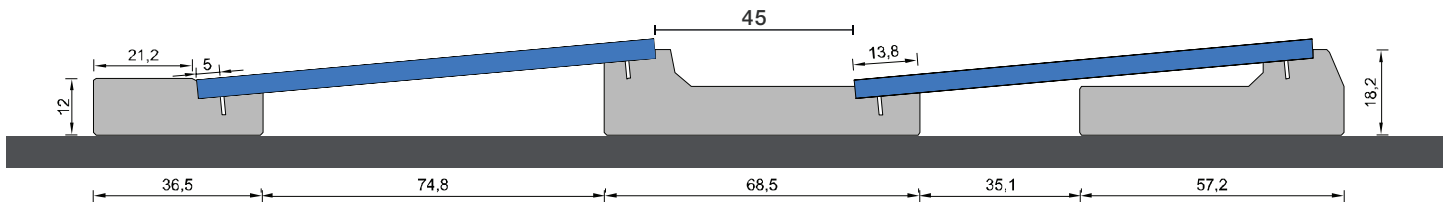
Ballast weight	16 kg	Pallet dimensions	88 cm x 65 cm h = 57 cm
Quantity per pallet	36 pieces	Pallet weight	576 kg

Terminal Ballast Art. 23005.CRT

Ballast weight	35 kg	Pallet dimensions	90 cm x 98 cm h = 45 cm
Quantity per pallet	16 pieces	Pallet weight	560 kg

HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 45



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

SYSTEM: 5° SAIL SHAPED CONNECT



ART. 23005.CF/.CRC/.CRR/.CRTT

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), 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

Front Ballast Art. 23005.CF

Ballast weight	20 kg	Pallet dimensions	70cm x 98cm h = 85 cm
Quantity per pallet	32 pieces	Pallet weight	640 kg

Central Ballast Art. 23005.CRC

Ballast weight	20 kg	Pallet dimensions	88cm x 65cm h = 57 cm
Quantity per pallet	24 pieces	Pallet weight	480 kg

Central Ballast Art. 23005.CRR

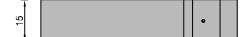
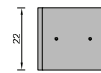
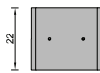
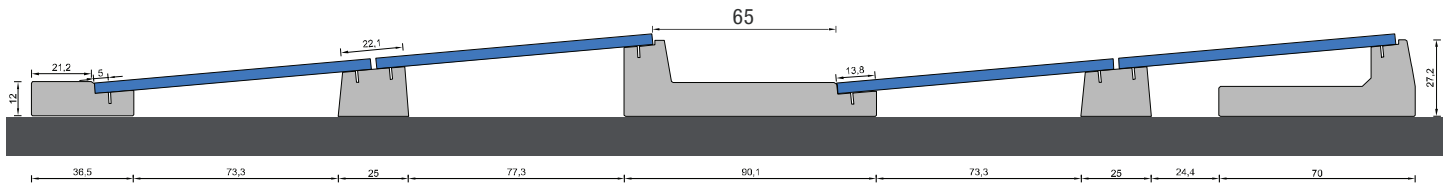
Ballast weight	28 kg	Pallet dimensions	88cm x 65cm h = 57 cm
Quantity per pallet	18 pieces	Pallet weight	504 kg

Terminal Ballast Art. 23005.CRTT

Ballast weight	33 kg	Pallet dimensions	90 cm x 98 cm h= 45 cm
Quantity per pallet	24 pieces	Pallet weight	792 kg

HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 65



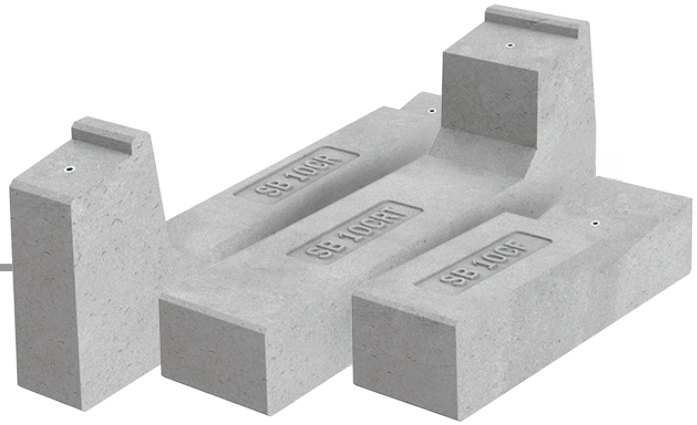
INFO

- 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

SYSTEM:

CONNECT 10°

ART. 23010.CF/.CR/.CRT



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), No-Flex (K23712), Junction plate for ballast (K23804)		
Applicazione	Any type of flat roof with a slope of max. 5°, on the ground, on beaten earth, or on paved surfaces		
Angle of Inclination	10 °	Module positioning	Horizontal

Front Ballast Art. 23010.CF

Ballast weight	20 kg	Pallet dimensions	90 cm x 98 cm h= 35 cm
Quantity per pallet	24 pieces	Pallet weight	480 kg

Central Ballast Art. 23010.CR

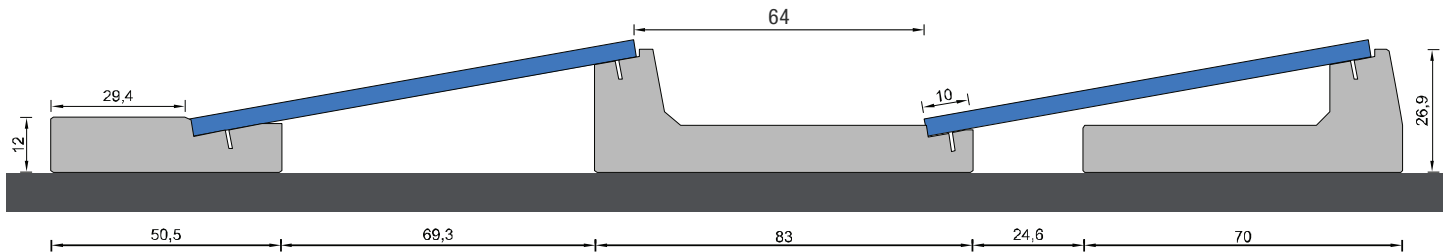
Ballast weight	22 kg	Pallet dimensions	120 cm x 80 cm h= 46 cm
Quantity per pallet	24 pieces	Pallet weight	528 kg

Terminal Ballast Art. 23010.CRT

Ballast weight	33 kg	Pallet dimensions	120 cm x 70 cm h= 46 cm
Quantity per pallet	14 pieces	Pallet weight	462 kg

HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 64



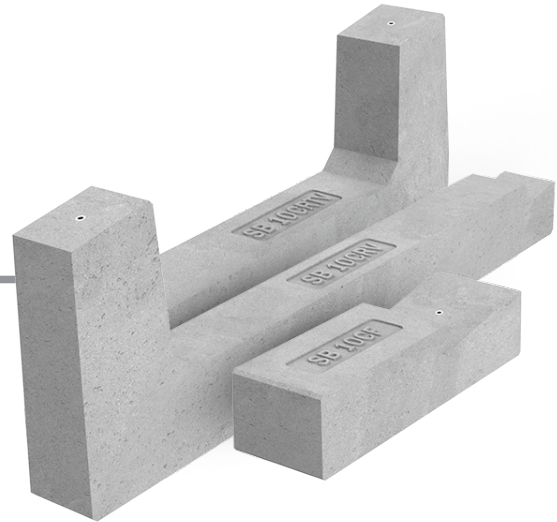
INFO

- 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

SYSTEM:

CONNECT 10°

ART. 23010.CF/.CRV/.CRTV



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), Junction plate for ballast (K23804)		
Applicazione	Any type of flat roof with a slope of max. 5°, on the ground, on beaten earth, or on paved surfaces		
Angle of Inclination	10 °	Module positioning	Vertical

Front Ballast Art. 23010.CF

Ballast weight	20 kg	Pallet dimensions	80 cm x 80 cm h= 42 cm
Quantity per pallet	24 pieces	Pallet weight	480 kg

Central Ballast Art. 23010.CRV

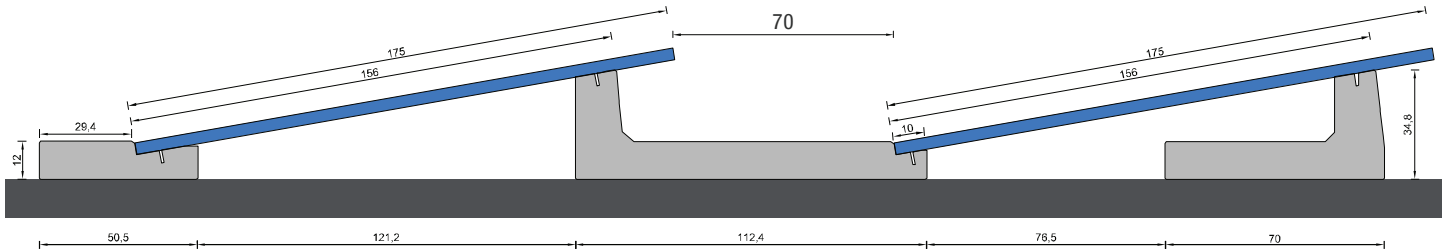
Ballast weight	38 kg	Pallet dimensions	84 cm x 98cm h= 60 cm
Quantity per pallet	16 pieces	Pallet weight	608 kg

Terminal Ballast Art. 23010.CRTV

Ballast weight	33 kg	Pallet dimensions	70 cm x 98 cm, h= 50 cm
Quantity per pallet	16 pieces	Pallet weight	528 kg

VERTICAL PANEL LAYING

Recommended minimum distance between module rows 70



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

SYSTEM:

CONNECT 15°

ART. 23015.CF/.CR/.CRT



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), 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	15 °	Module positioning	Horizontal

Front Ballast Art. 23015.CF

Ballast weight	21 kg	Pallet dimensions	98 cm x 90 cm h = 44 cm
Quantity per pallet	30 pieces	Pallet weight	630 kg

Central Ballast Art. 23015.CR

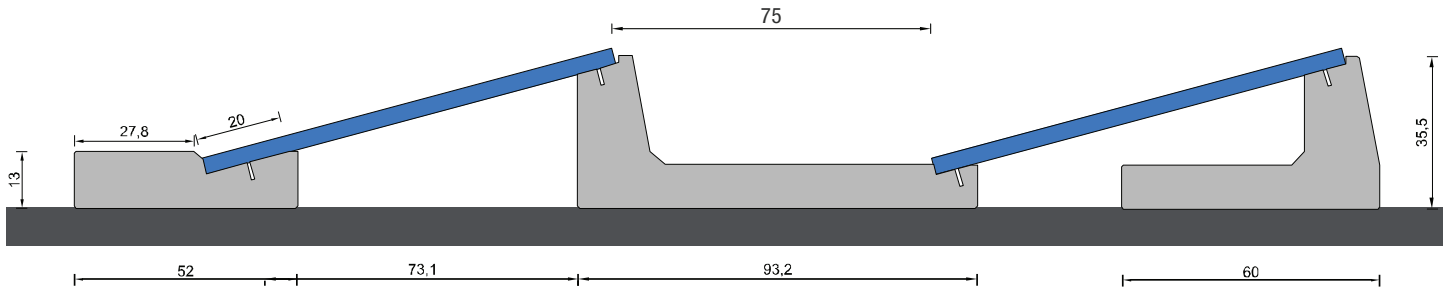
Ballast weight	28 kg	Pallet dimensions	98 cm x 90 cm h = 61 cm
Quantity per pallet	20 pieces	Pallet weight	560 kg

Terminal Ballast Art. 23015.CRT

Ballast weight	30 kg	Pallet dimensions	80 cm x 80 cm h = 57 cm
Quantity per pallet	14 pieces	Pallet weight	420 kg

HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 75



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

SYSTEM:

CONNECT 20°

ART. 23020.CF/.CR/.CRT



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), 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	20 °	Module positioning	Horizontal

Front Ballast Art. 23020.CF

Ballast weight	22 kg	Pallet dimensions	70 cm x 98 cm h = 52 cm
Quantity per pallet	30 pieces	Pallet weight	660 kg

Central Ballast Art. 23020.CR

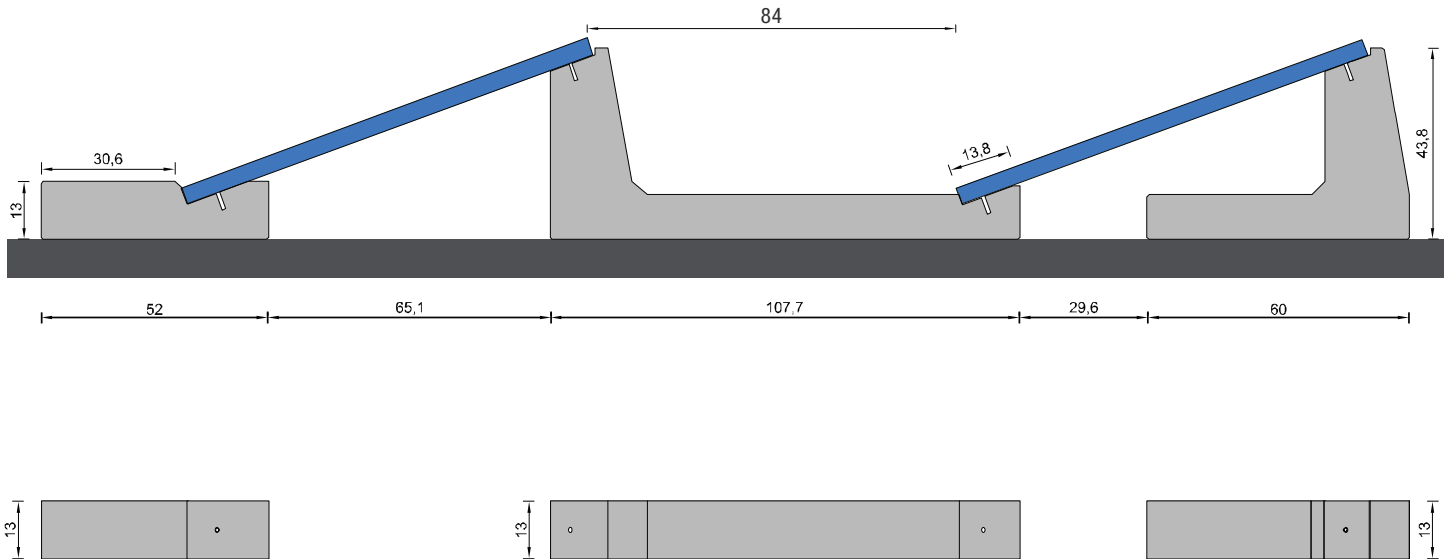
Ballast weight	33 kg	Pallet dimensions	90 cm x 86 cm h = 64 cm
Quantity per pallet	18 pieces	Pallet weight	594 kg

Terminal Ballast Art. 23020.CRT

Ballast weight	35 kg	Pallet dimensions	70 cm x 98 cm h = 70 cm
Quantity per pallet	16 pieces	Pallet weight	560 kg

HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 84

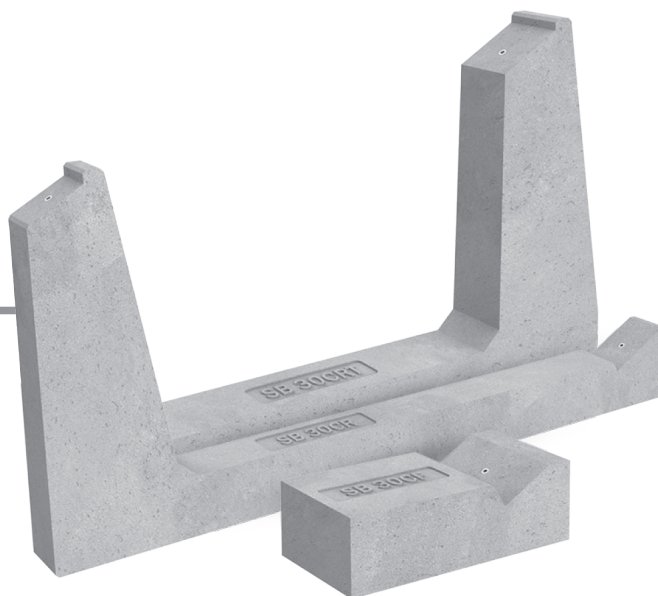


INFO

- 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

SYSTEM: CONNECT 30°

ART. 23030.CF/.CR/.CRT



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), 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	30 °	Module positioning	Horizontal

Front Ballast Art. 23030.CF

Ballast weight	20 kg	Pallet dimensions	86 cm x 86 cm h = 60 cm
Quantity per pallet	30 pieces	Pallet weight	600 kg

Central Ballast Art. 23030.CR

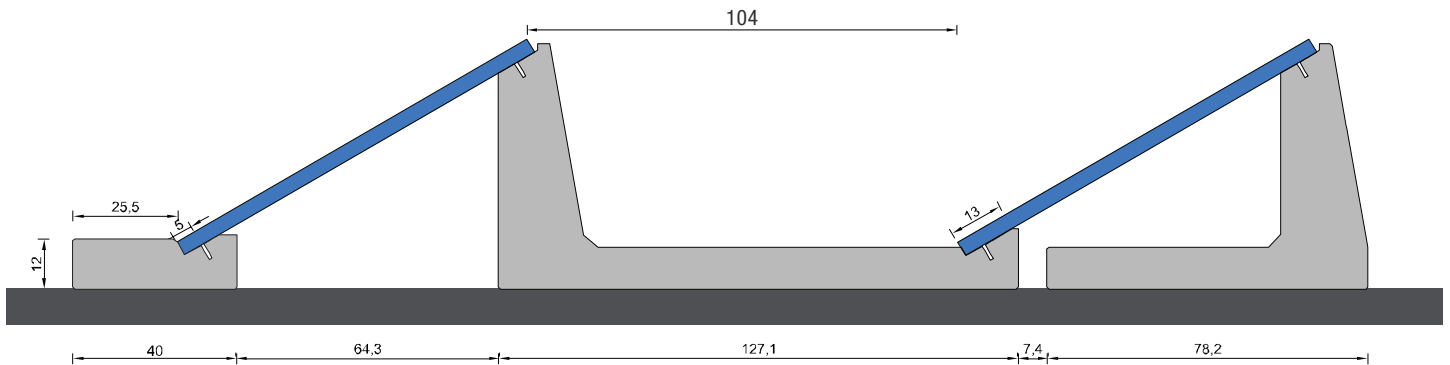
Ballast weight	45 kg	Pallet dimensions	125 cm x 69 cm h = 58 cm
Quantity per pallet	12 pieces	Pallet weight	540 kg

Terminal Ballast Art. 23030.CRT

Ballast weight	45 kg	Pallet dimensions	75 cm x 65 cm h = 84 cm
Quantity per pallet	12 pieces	Pallet weight	540 kg

HORIZONTAL PANEL LAYING

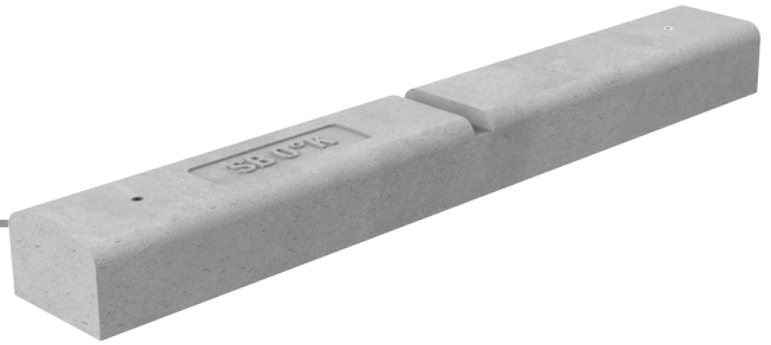
Recommended minimum distance between module rows 104



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 0°



ART. 23000

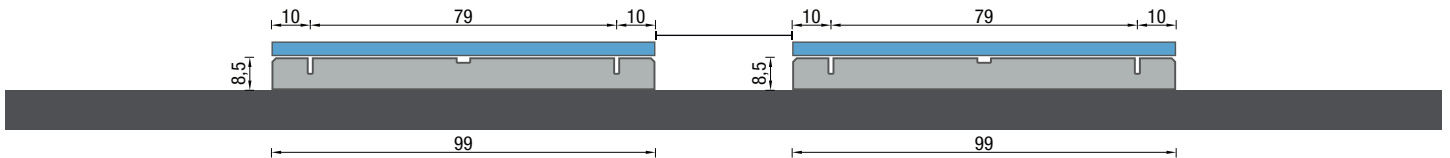
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	Rubber protection sheath (KGN23115), No-Flex (K23712), Universal junction 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	0°	Module positioning	Horizontal / Vertical

Ballast Art. 23000

Ballast weight	30 kg	Pallet dimensions	90 cm x 98 cm h = 35 cm
Quantity per pallet	18 pieces	Pallet weight	540 kg

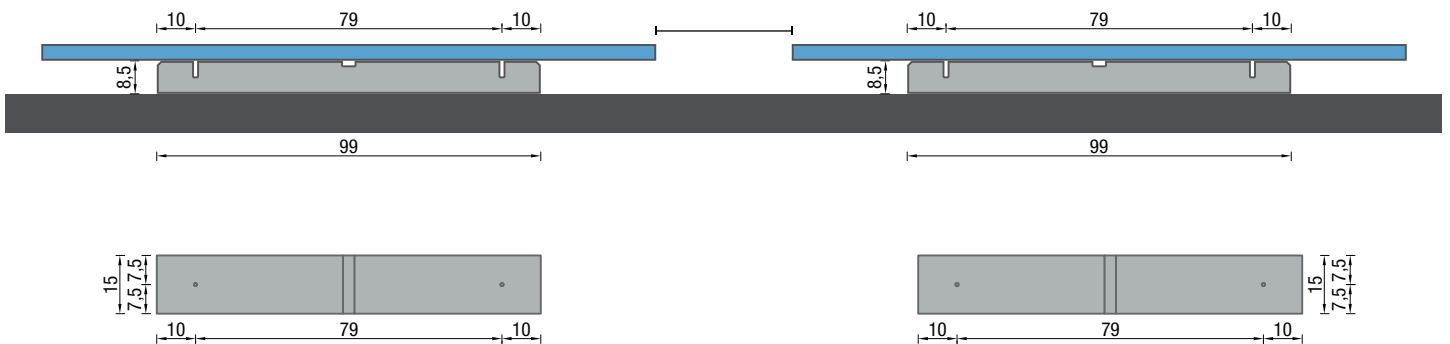
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 0



VERTICAL PANEL LAYING

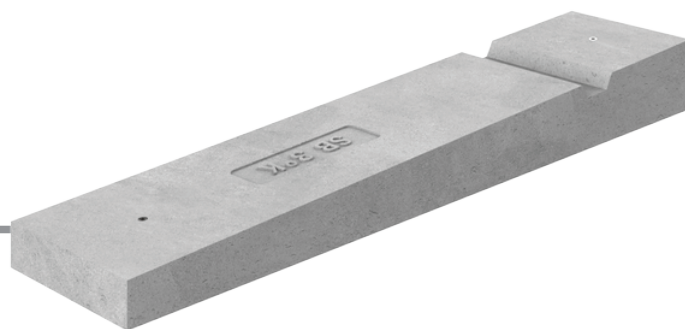
Recommended minimum distance between module rows 0



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 3°



ART. 23003

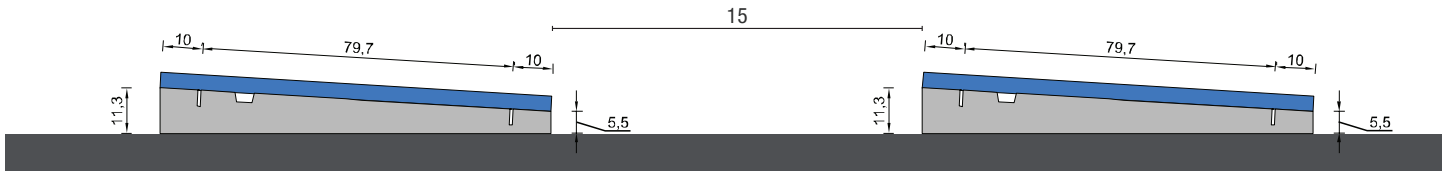
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	Rubber protection sheath (KGN23115), No-Flex (K23712), Universal junction 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	3°	Module positioning	Horizontal / Vertical

Ballast Art. 23003

Ballast weight	41 kg	Pallet dimensions	98 cm x 65 cm h = 46 cm
Quantity per pallet	12 pieces	Pallet weight	492 kg

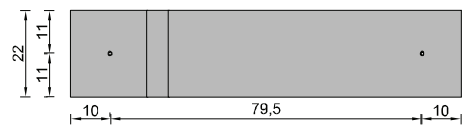
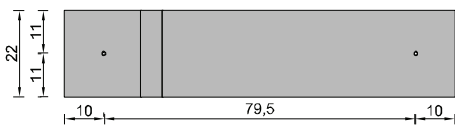
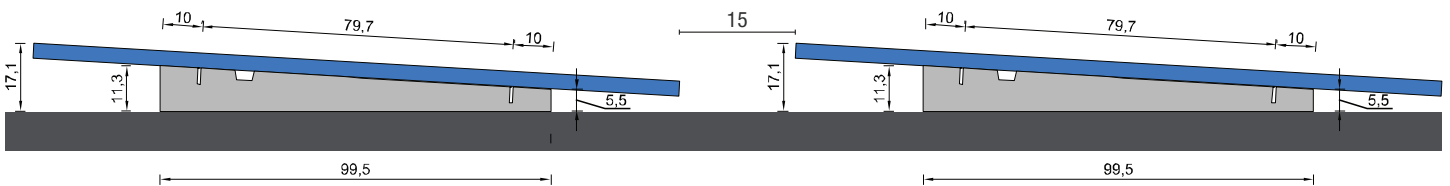
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 15



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 15



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°L

ART. 23005.L

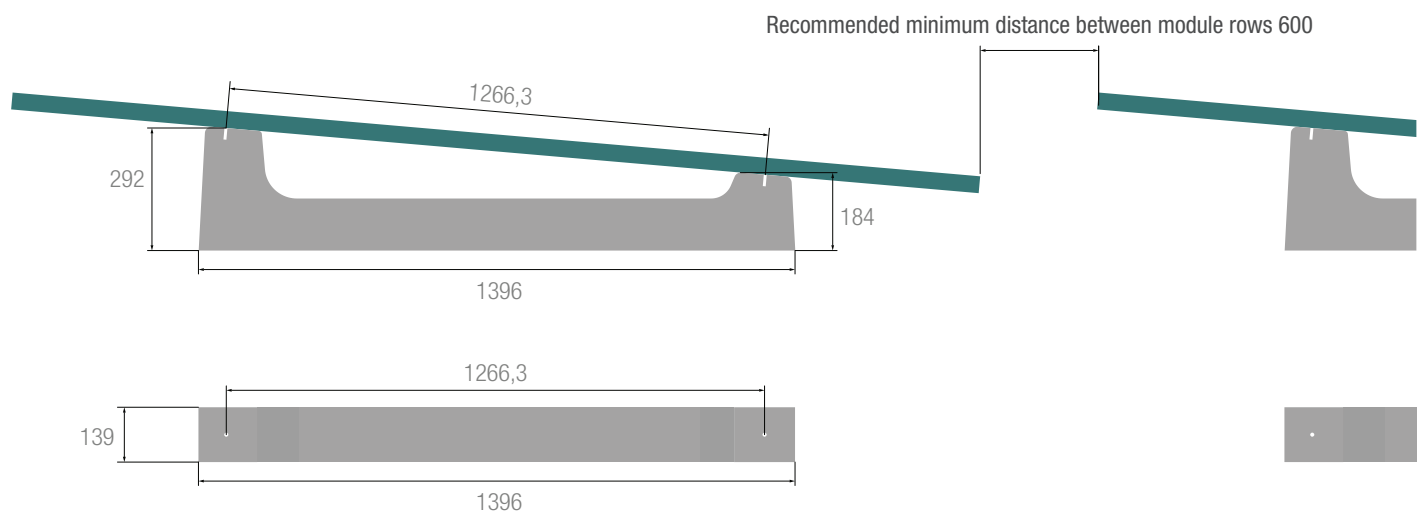


Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23125), Cablowind (CW.CABLOWIND.95)		
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	Vertical

Ballast Art. 23005.L

Ballast weight	65 kg	Pallet dimensions	141 cm x 73 cm h = 70 cm
Quantity per pallet	10 pieces	Pallet weight	670 kg

VERTICAL PANEL LAYING

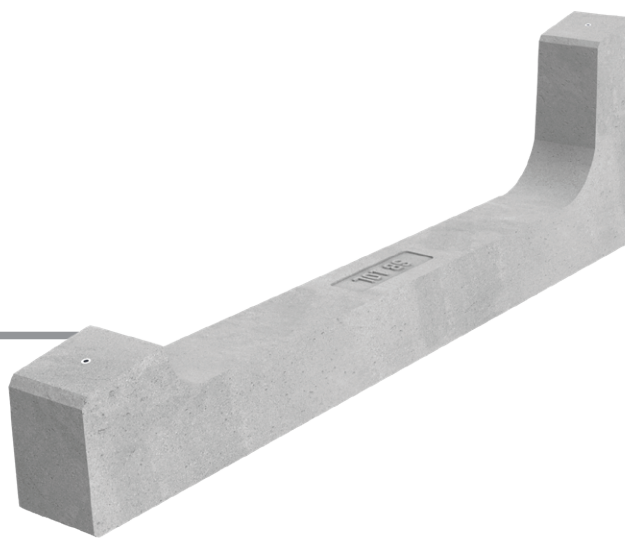


INFO

- 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 millimeters.
- For further information, please visit www.sunballast.en

BALLAST 10°L

ART. 23010.L

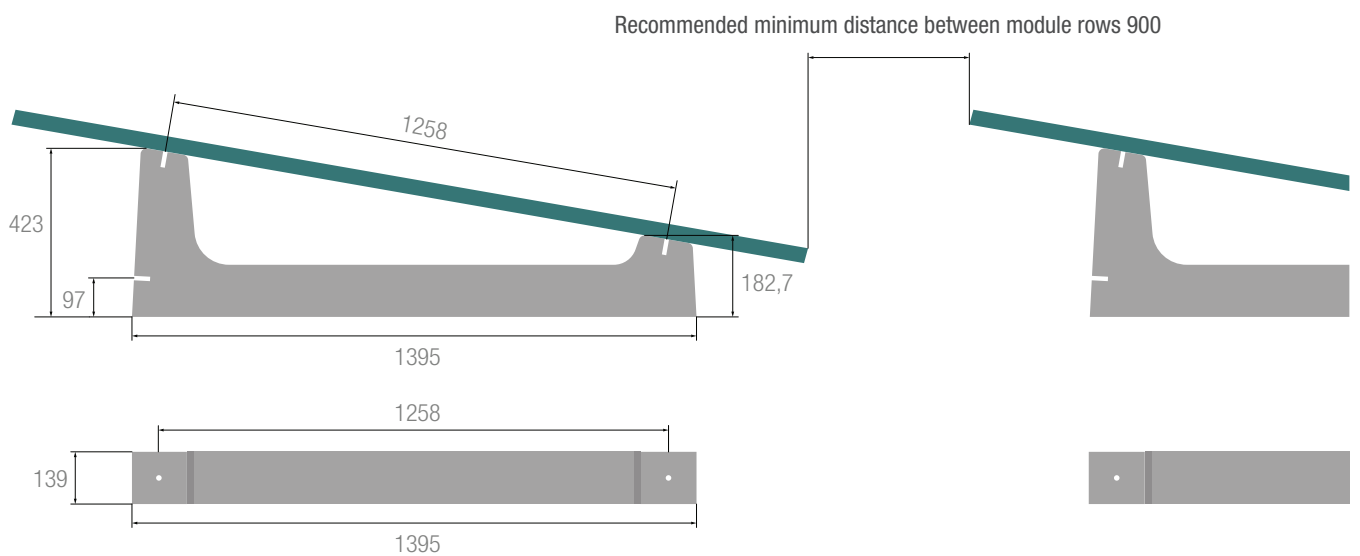


Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23125), Cablowind (CW.CABLOWIND.95)		
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	10°	Module positioning	Vertical

Ballast Art. 23010.L

Ballast weight	70 kg	Pallet dimensions	138 cm x 70 cm h = 72 cm
Quantity per pallet	10 pieces	Pallet weight	720 kg

VERTICAL PANEL LAYING

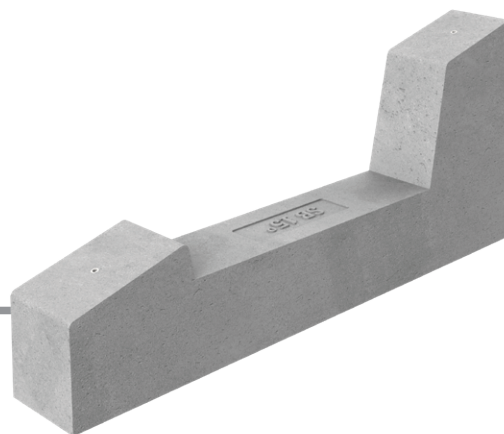


INFO

- 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 millimeters.
- For further information, please visit www.sunballast.en

BALLAST 15°

ART. 23015



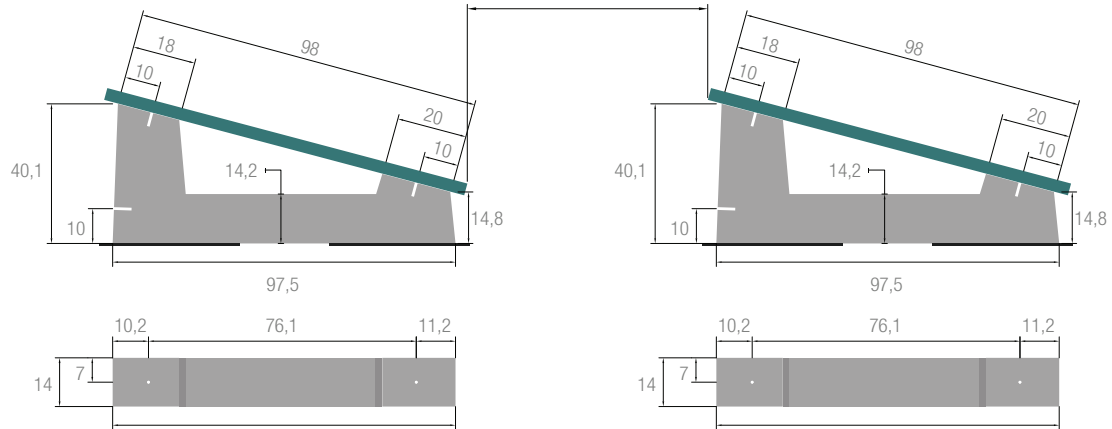
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23125), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712)		
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	15°	Module positioning	Horizontal / Vertical

Ballast Art. 23015

Ballast weight	60 kg	Pallet dimensions	70 cm x 98 cm x h 62 cm
Quantity per pallet	10 pieces	Pallet weight	600 kg

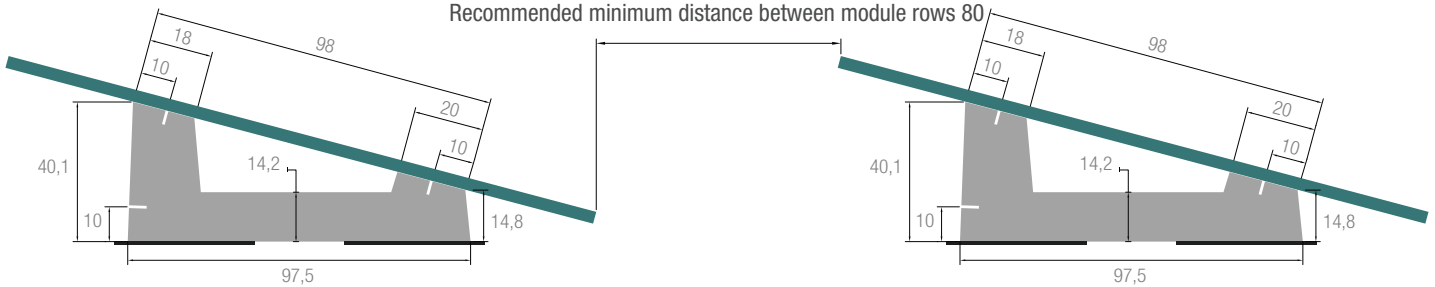
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 80



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 80

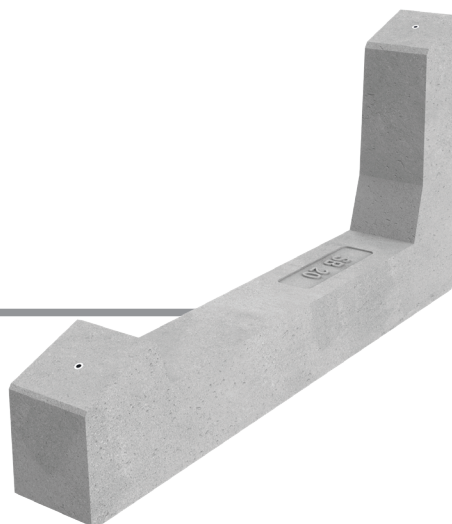


INFO

- 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.eu

BALLAST 20°

ART. 23020



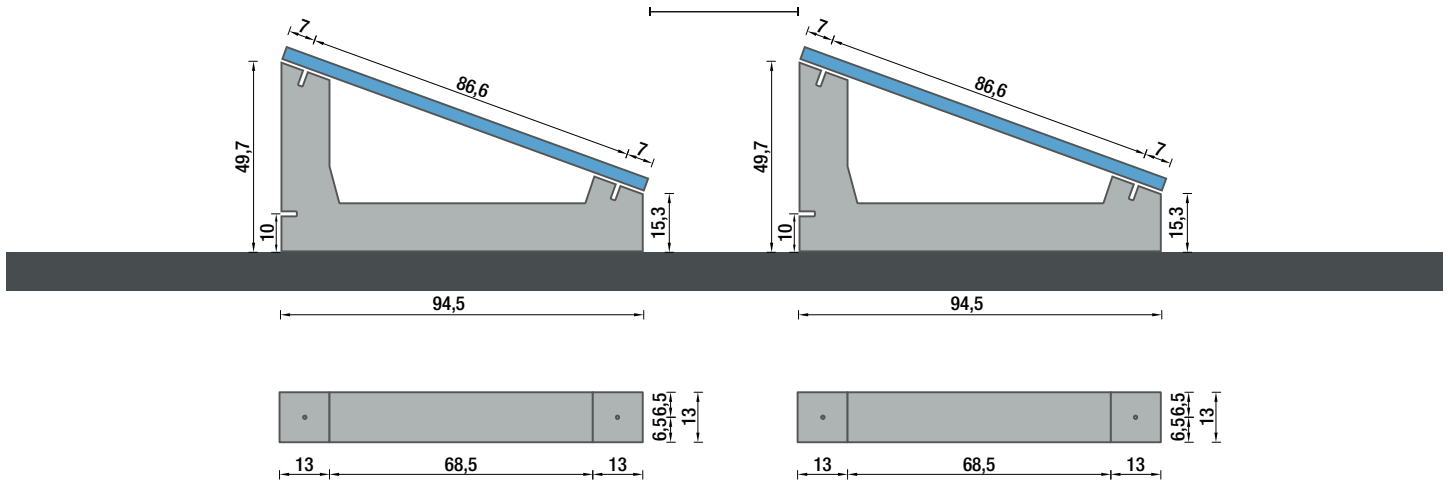
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Rubber protection sheath (KGN23115), Cablowind (CW.CABLOWIND.95 - 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	20°	Module positioning	Horizontal / Vertical

Ballast Art. 23020

Ballast weight	54 kg	Pallet dimensions	98 cm x 70 cm h = 62 cm
Quantity per pallet	10 pieces	Pallet weight	540 kg

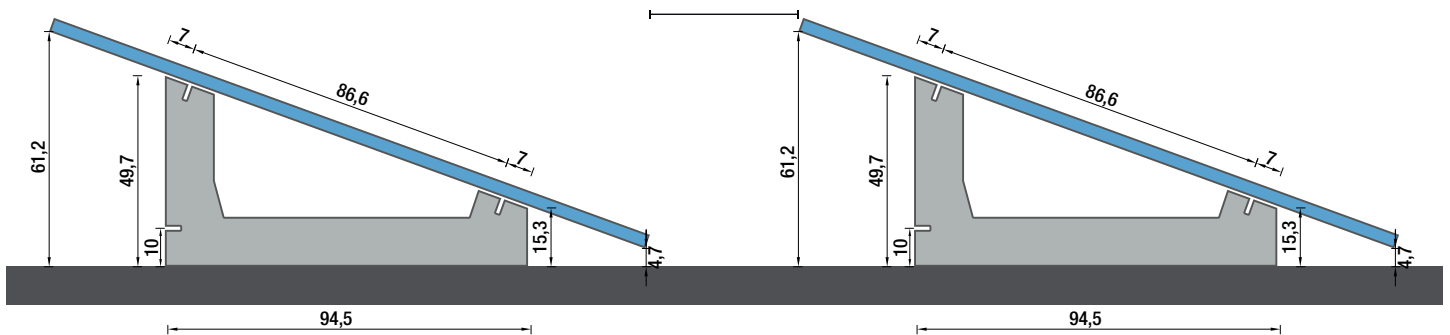
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 80



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 80

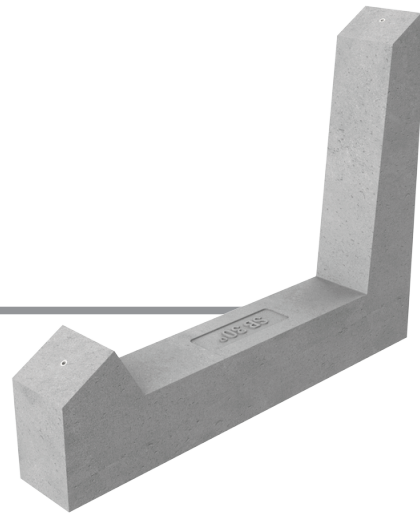


INFO

- 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 30°

ART. 23030



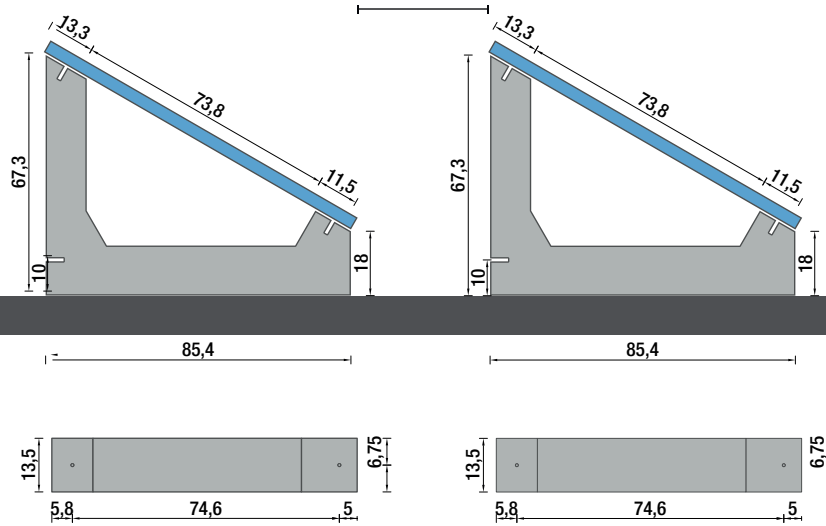
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Rubber protection sheath (KGN23115), Cablowind (CW.CABLOWIND.95 - 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	30°	Module positioning	Horizontal / Vertical

Ballast Art. 23030

Ballast weight	58 kg	Pallet dimensions	86 cm x 86 cm h = 92 cm
Quantity per pallet	10 pieces	Pallet weight	580 kg

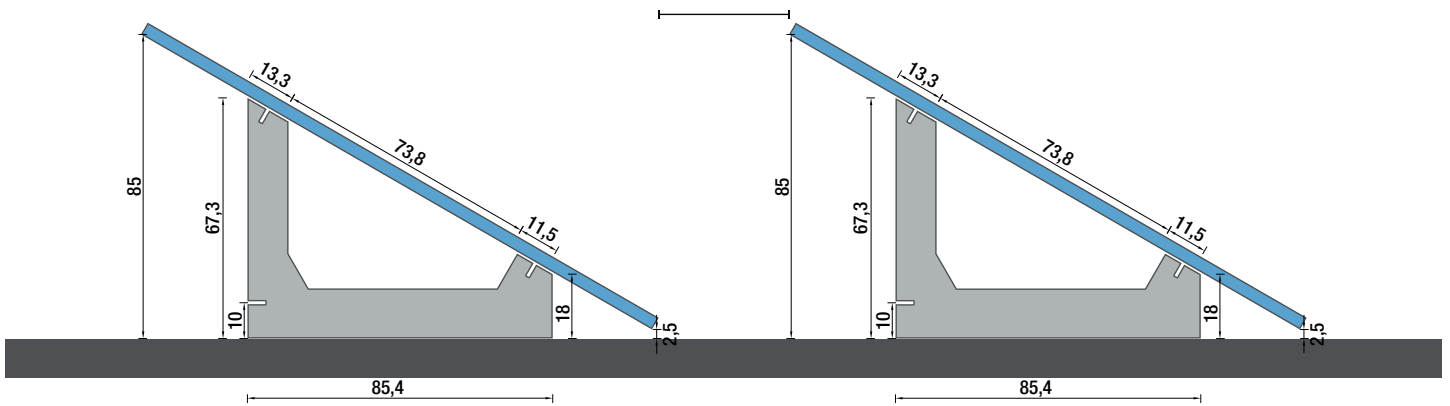
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 100



VERTICAL PANEL LAYING

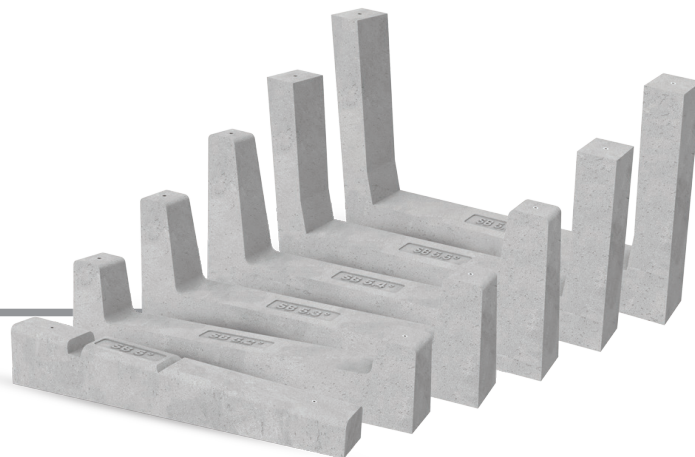
Recommended minimum distance between module rows 100



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 millimeters.
- For further information, please visit www.sunballast.eu

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

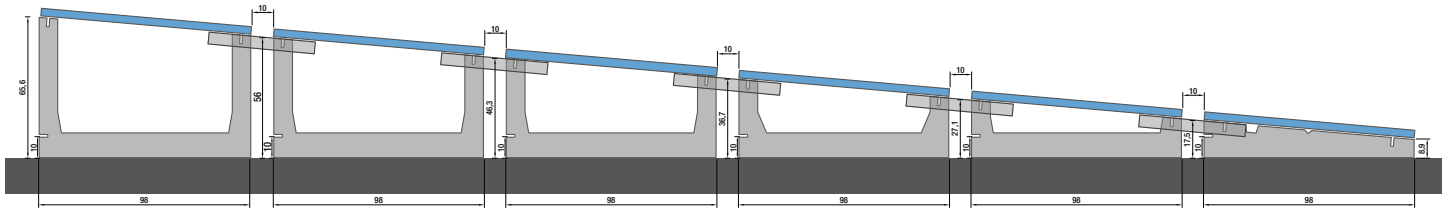
Ballast weight	59 kg	Pallet dimensions	70 cm x 98 cm, h = 87 cm
Quantity per pallet	10 pieces	Pallet weight	590 kg

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

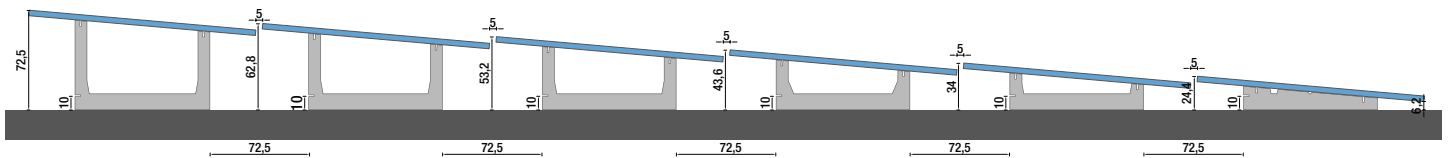
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 150



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 150

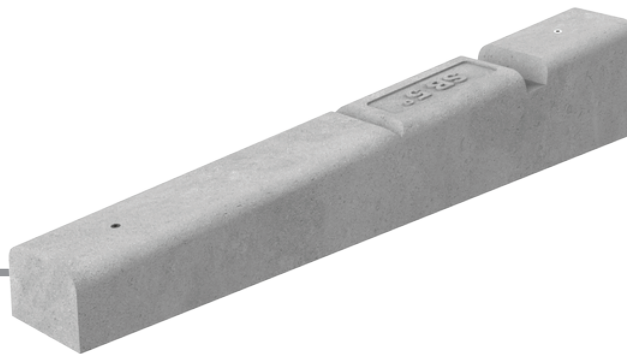


INFO

- 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



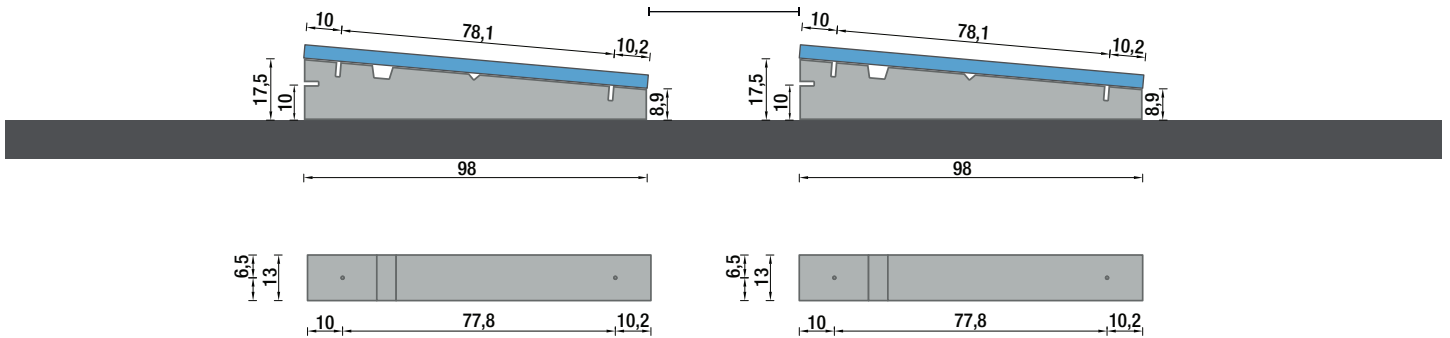
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	Sheathing (KGN23115), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), 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

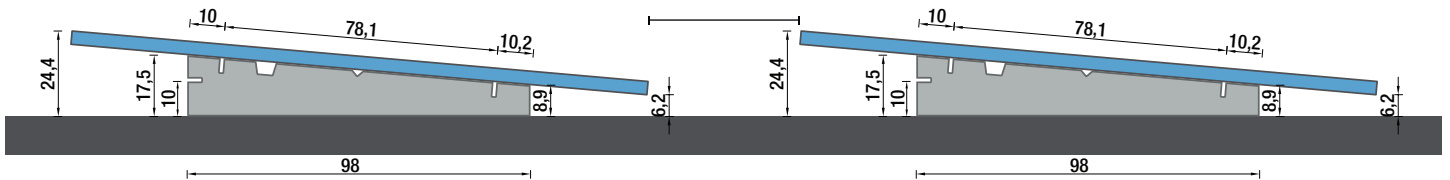
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 60



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 60

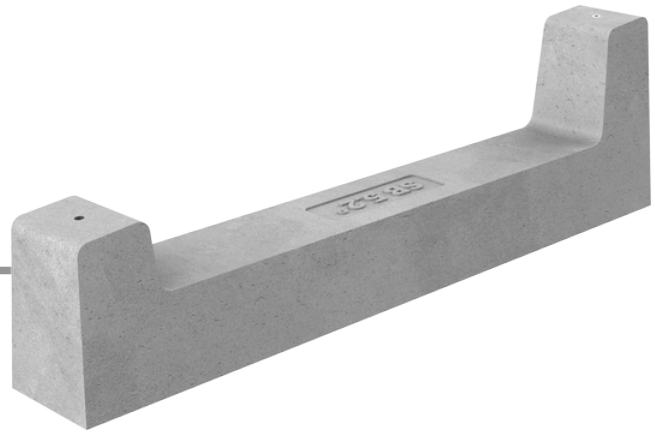


INFO

- 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.
- 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 millimeters.
- For further information, please visit www.sunballast.en

BALLAST 5°.2

ART. 23005.2



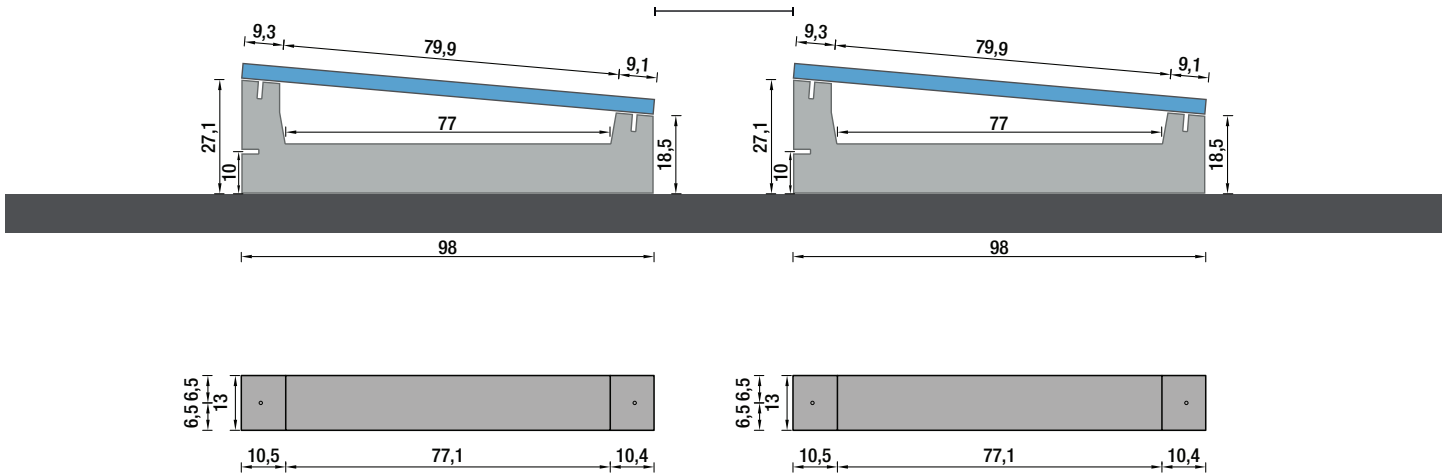
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23115), Cablowind (CW.CABLOWIND.95 - 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

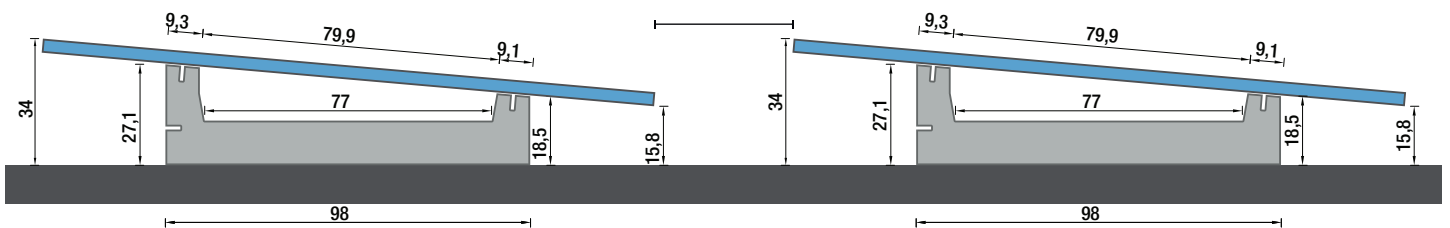
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 60



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 60

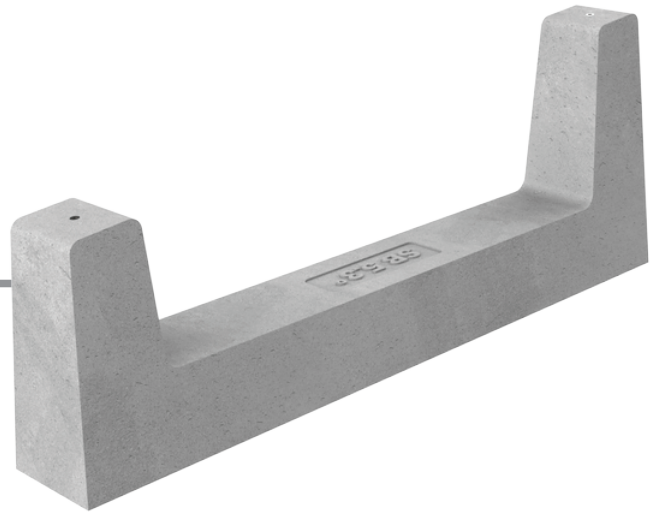


INFO

- 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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- For further information, please visit www.sunballast.en

BALLAST 5°.3

ART. 23005.3



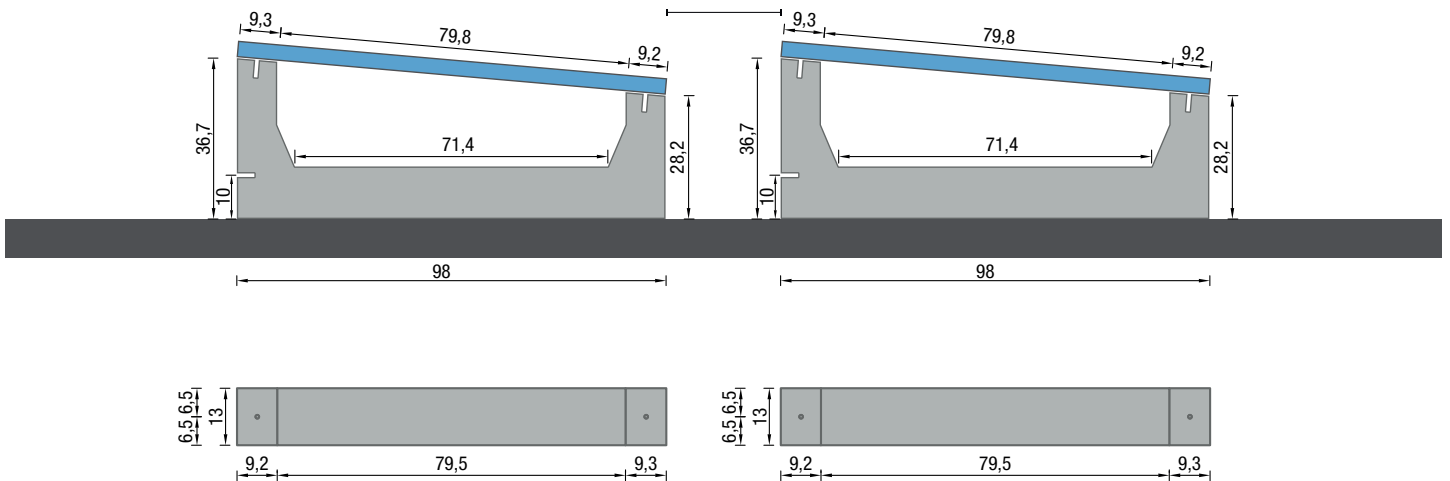
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23115), Cablowind (CW.CABLOWIND.95 - 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

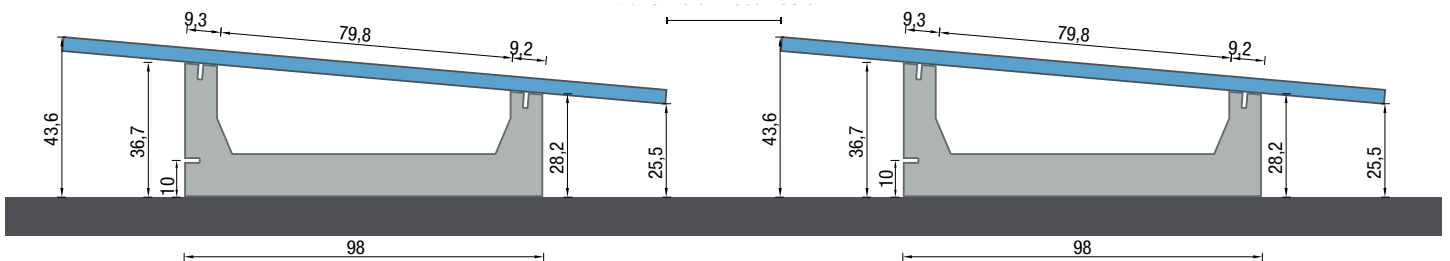
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 60



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 60

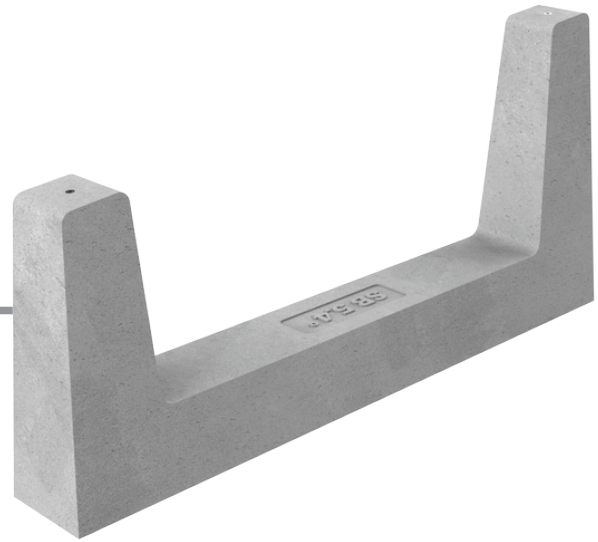


INFO

- 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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- Follow the Sun Ballast® installation instructions.
- The dimensions shown are all in millimeters.
- For further information, please visit www.sunballast.en

BALLAST 5°.4

ART. 23005.4



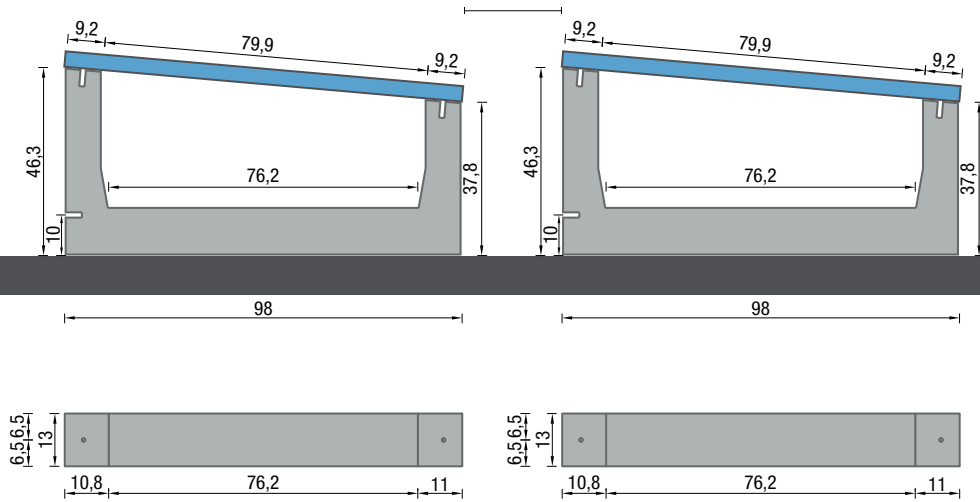
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23115), Cablowind (CW.CABLOWIND.95 - 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

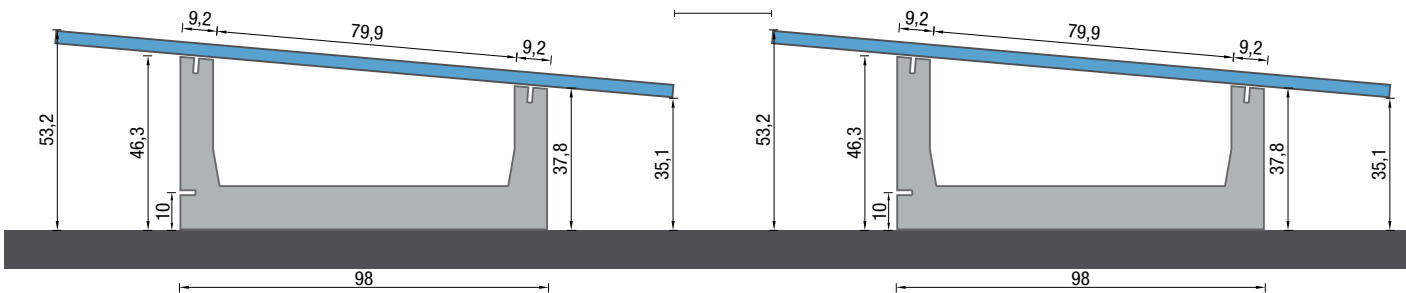
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 60



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 60

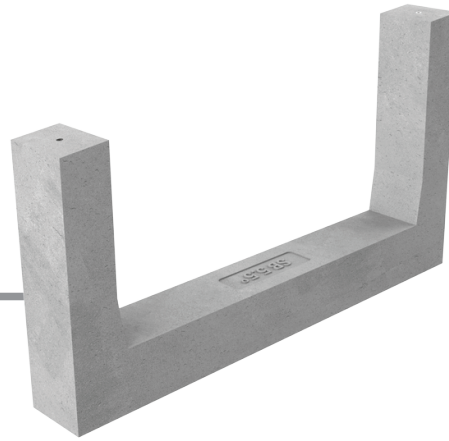


INFO

- 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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- Follow the Sun Ballast® installation instructions.
- The dimensions shown are all in millimeters.
- For further information, please visit www.sunballast.en

BALLAST 5.5°

ART. 23005.5



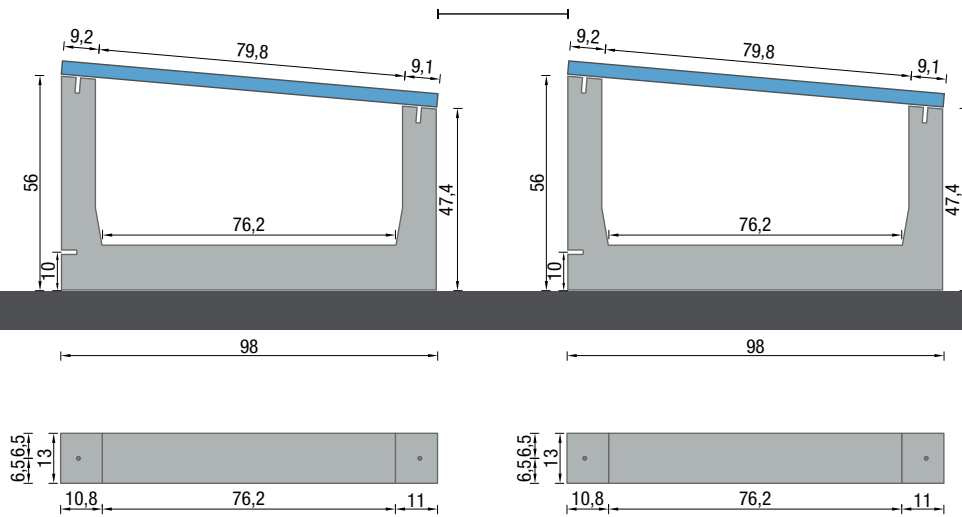
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23115), Cablowind (CW.CABLOWIND.95 - 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

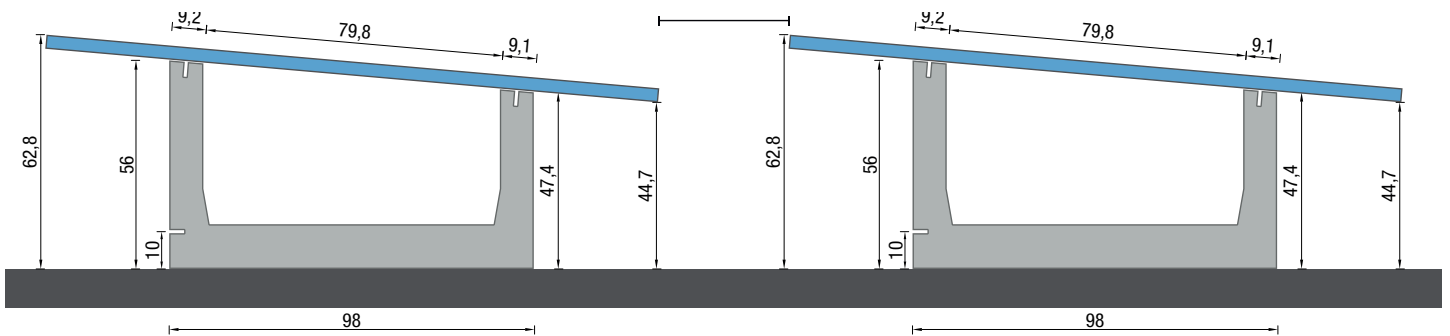
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 60



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 60

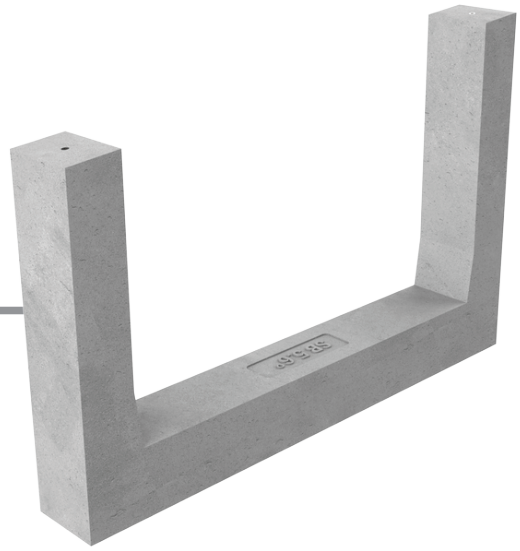


INFO

- 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.
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- For further information, please visit www.sunballast.en

BALLAST 5°.6

ART. 23005.6



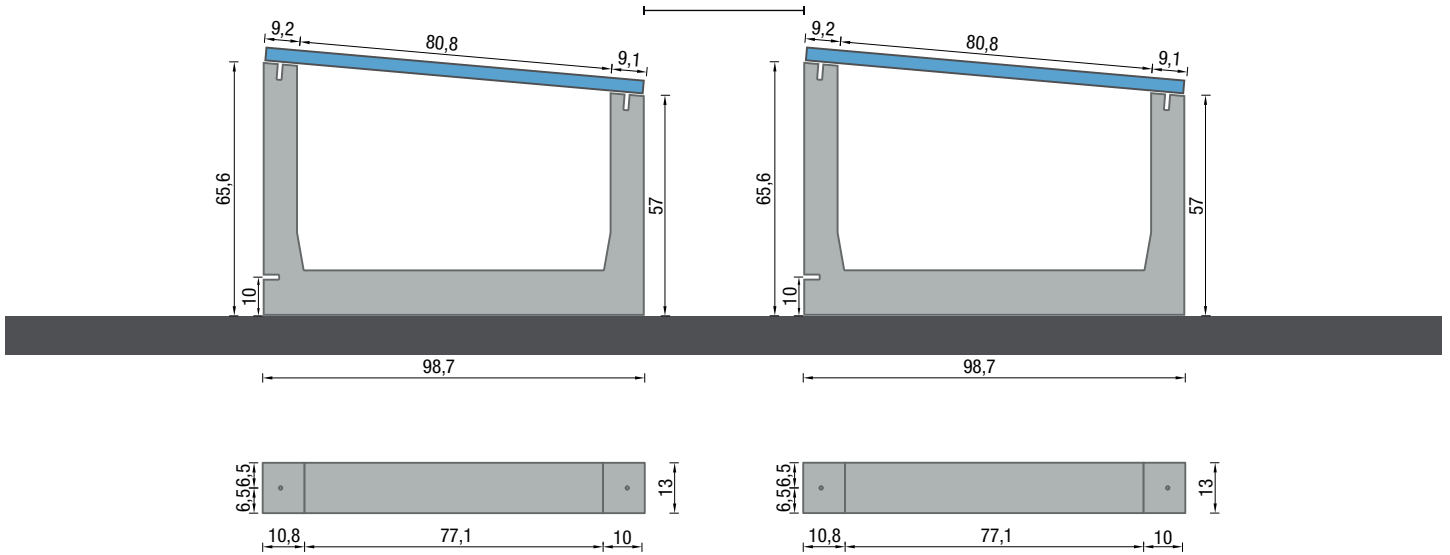
Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Sheathing (KGN23115), Cablowind (CW.CABLOWIND.95 - 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

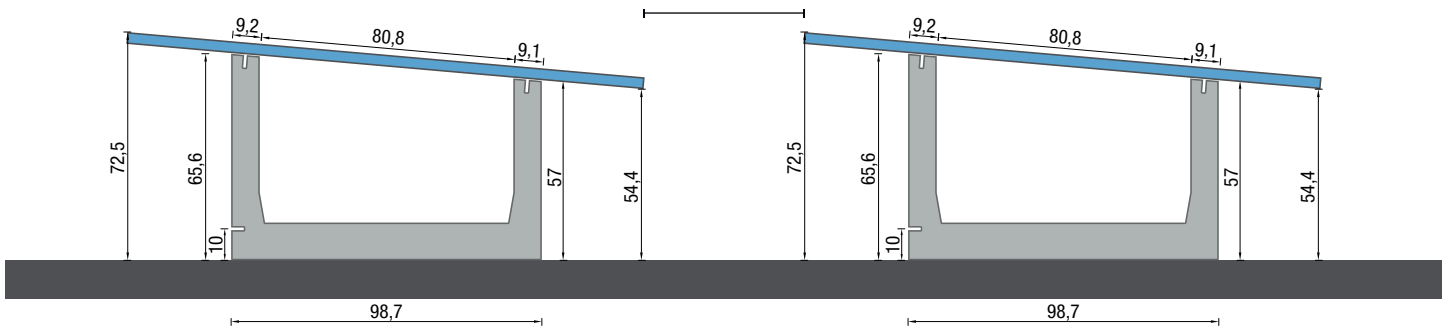
HORIZONTAL PANEL LAYING

Recommended minimum distance between module rows 60



VERTICAL PANEL LAYING

Recommended minimum distance between module rows 60

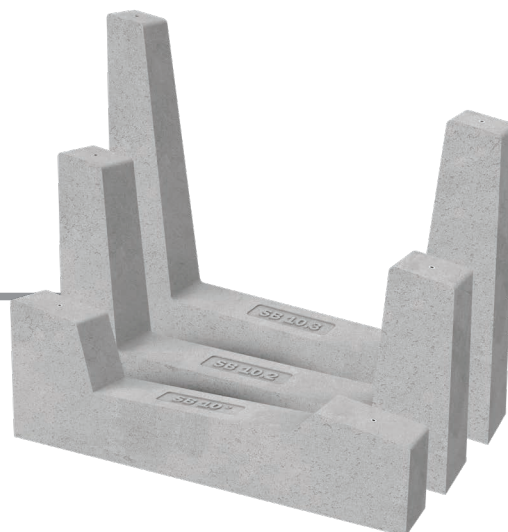


INFO

- 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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- For further information, please visit www.sunballast.en

SISTEMA: VELA 10°

ART. 23010/.2/.3



Materiale	Il materiale principale delle zavorre SUN BALLAST® è il calcestruzzo, che permette una bassa usura nel tempo e la capacità di resistere anche alle perturbazioni più intense e a diverse condizioni climatiche		
Accessori compatibili	U-Block (23030.CRP), Guaina (KGN23115), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712), Piastra di giunzione sistema a vela (23811)		
Applicazione	Qualsiasi tipologia di tetto piano con pendenza max 5°, a terra, su terreni battuti con materiale inerte o pavimentazioni		
Angolo di Inclinazione	10 °	Posizionamento modulo	Orizzontale

Zavorra Art. 23010

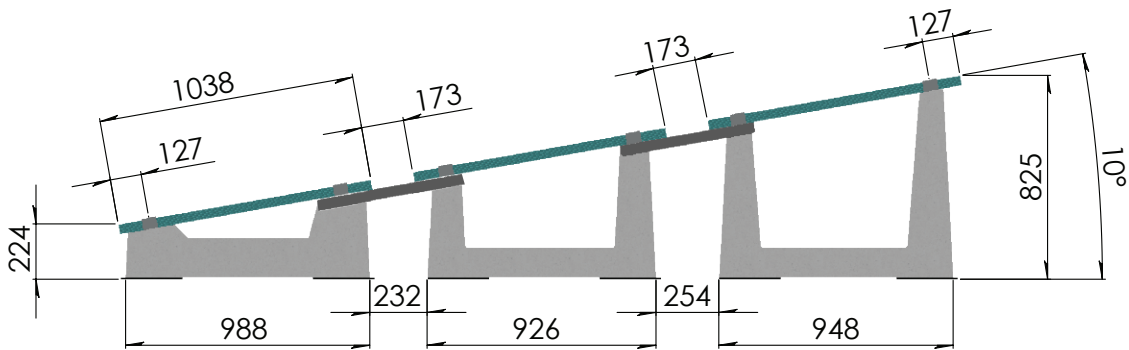
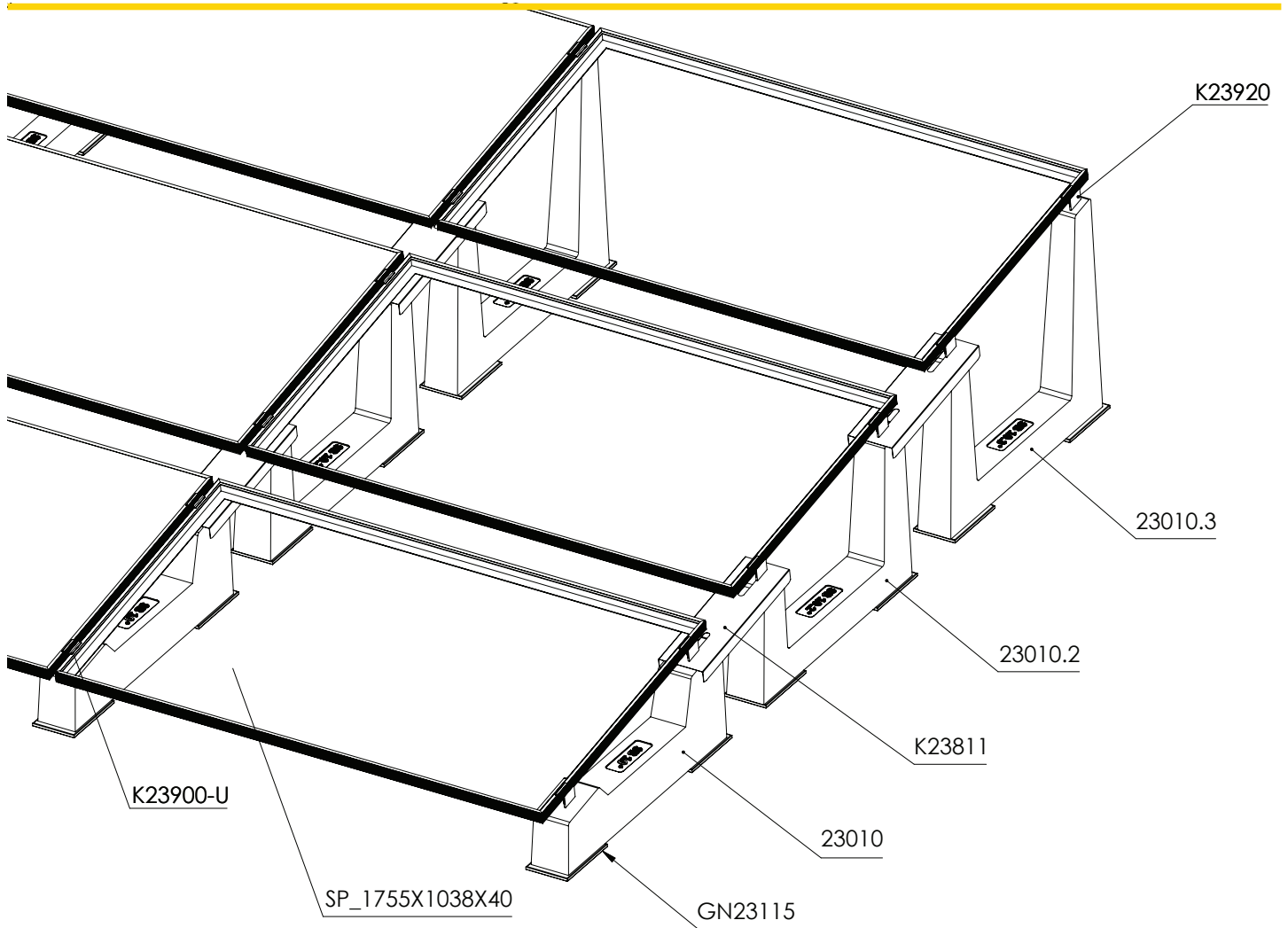
Peso zavorra	60 kg	Dimensioni bancale	100 cm x 73 cm h = 67 cm
Quantità per bancale	10 pezzi	Peso bancale	630 kg

Zavorra Art. 23010.2

Peso zavorra	60 kg	Dimensioni bancale	109 cm x 56 cm h = 72 cm
Quantità per bancale	8 pezzi	Peso bancale	510 kg

Zavorra Art. 23010.3

Peso zavorra	65 kg	Dimensioni bancale	112 cm x 77 cm h = 66 cm
Quantità per bancale	8 pezzi	Peso bancale	557 kg



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.
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- For further information, please visit www.sunballast.en

BALLAST 10°

ART. 23010

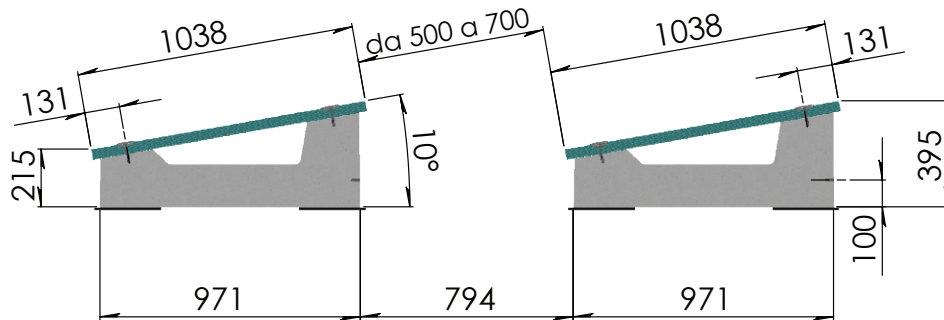


Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Rubber protection sheath (KGN23115), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712), Junction plate for Sail System (23811)		
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	10 °	Module positioning	Horizontal / Vertical

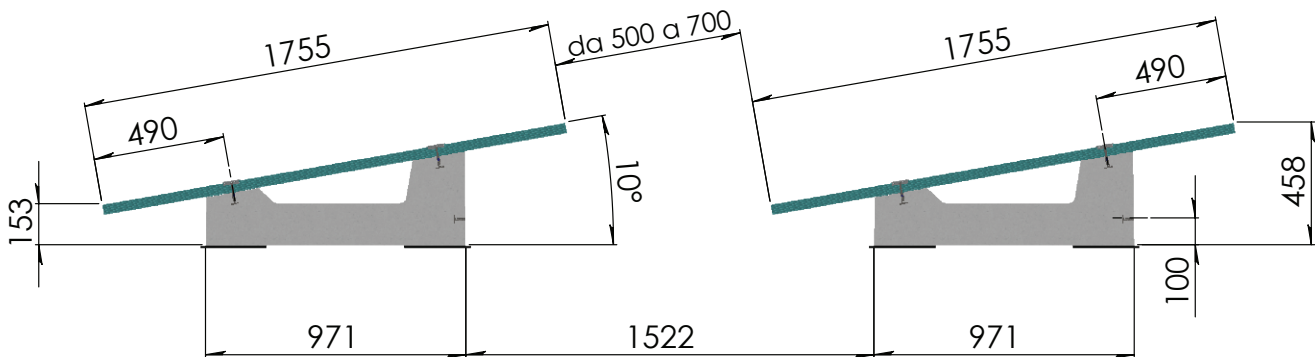
Ballast Art. 23010

Ballast weight	60 kg	Pallet dimensions	100 cm x 73 cm h = 67 cm
Quantity per pallet	10 pieces	Pallet weight	630 kg

HORIZONTAL PANEL LAYING



VERTICAL PANEL LAYING

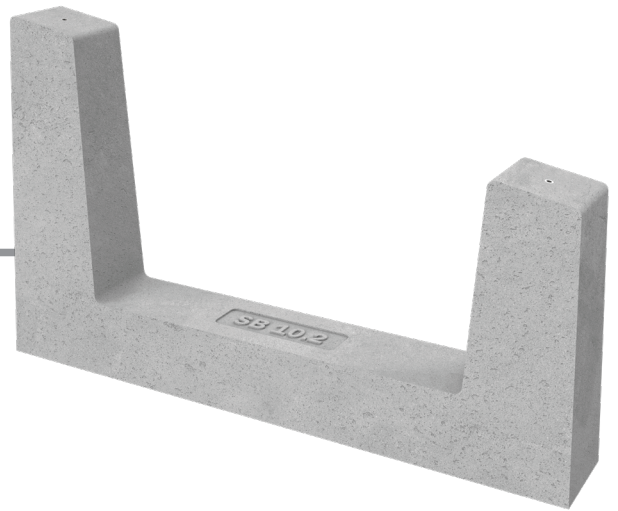


INFO

- 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 millimeters.
- For further information, please visit www.sunballast.en

BALLAST 10°.2

ART. 23010.2

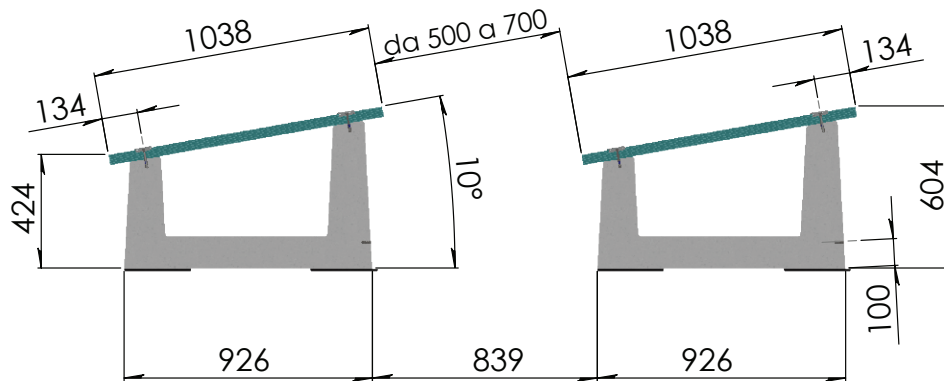


Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Rubber protection sheath (KGN23115), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712), Junction plate for Sail System (23811)		
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	10 °	Module positioning	Horizontal / Vertical

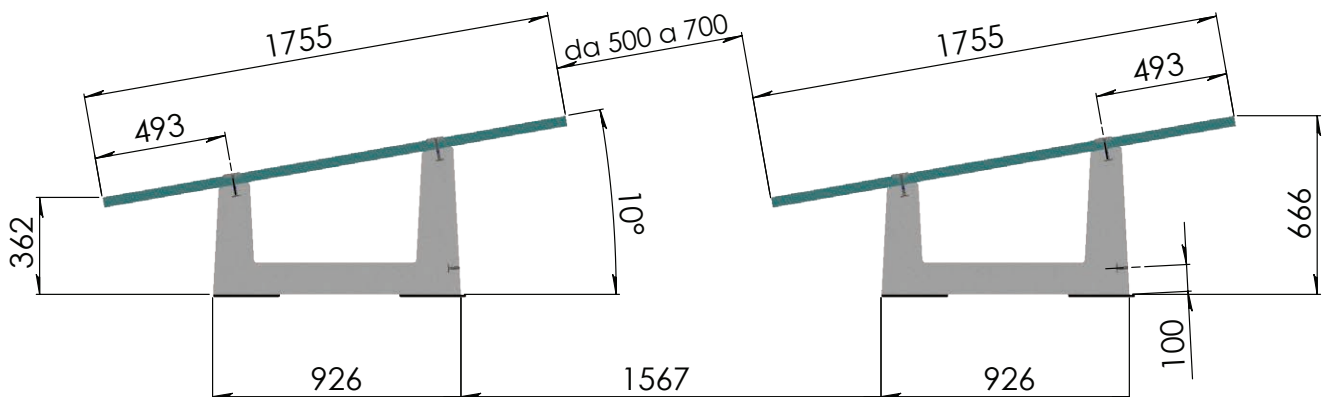
Ballast Art. 23010.2

Ballast weight	60 kg	Pallet dimensions	109 cm x 56 cm h = 72 cm
Quantity per pallet	8 pieces	Pallet weight	510 kg

HORIZONTAL PANEL LAYING



VERTICAL PANEL LAYING



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 millimeters.
- For further information, please visit www.sunballast.en

BALLAST 10°.3

ART. 23010.3

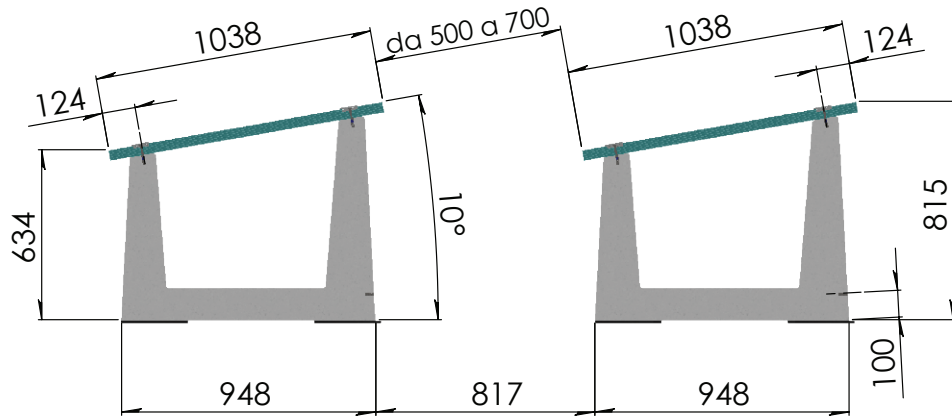


Material	The main material of SUN BALLAST® ballasts is concrete, which allows low wear and tear over time and the ability to withstand even the most intense disturbances and different climatic conditions		
Compatible accessories	U-Block (23030.CRP), Rubber protection sheath (KGN23115), Cablowind (CW.CABLOWIND.95 - CW.CABLOWIND.165 - CW.CABLOWIND.185), No-Flex (K23712), Junction plate for Sail System (23811)		
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	10 °	Module positioning	Horizontal

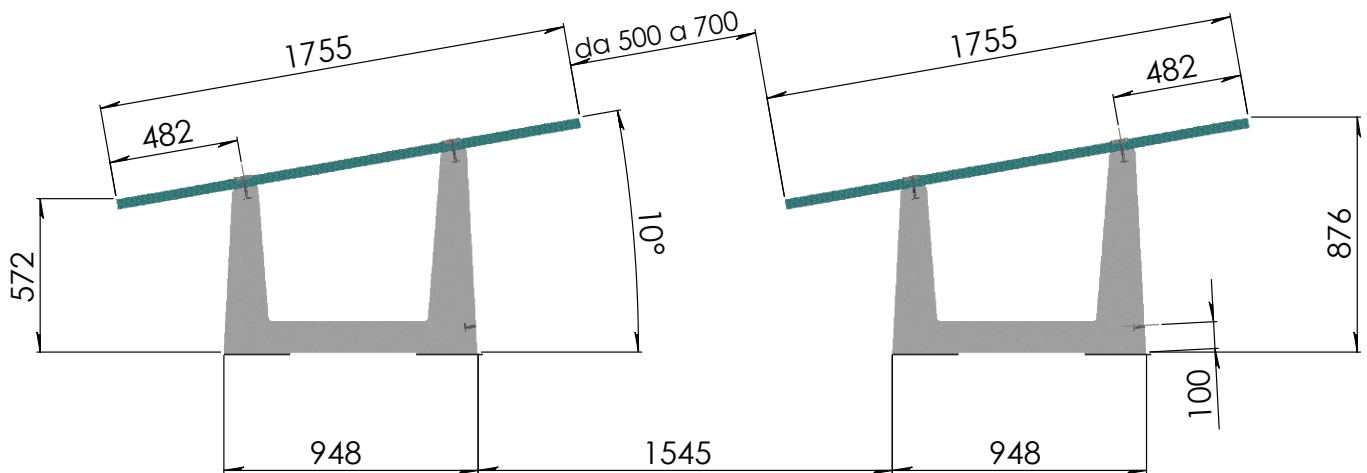
Ballast Art. 23010.3

Ballast weight	65 kg	Pallet dimensions	112 cm x 77 cm h = 66 cm
Quantity per pallet	8 pieces	Pallet weight	557 kg

HORIZONTAL PANEL LAYING



VERTICAL PANEL LAYING



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 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: $\pm 5\%$;
- 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.



Made to last

Patented systems



CRIBIS
Prime Company

