

Connect

When installing high quality solar panels, you want to be able to trust the quality of the mounting system. Connect not only excels in solid construction, but also offers the fastest installation in the market. Almost all parts are delivered pre-assembled. This allows you to have just one base element on the roof. Unfold, click, done.

MINIMUM BALLAST, MAXIMUM FLEXIBILITY

Connect is suitable for all set-ups and every common PV module. The unique construction enables fewer ballast and lower roof loads. Additionally, the back plates provide extra stability and optimal wind deflection.

SMART CABLE MANAGEMENT

Using the smart cable guides in the high base and the profile, you can easily manage all cables quickly and safely.



WHY CONNECT?

- ✓ Ready-made base element
- ✓ Including cable management
- ✓ Clicking, so no screws
- ✓ Recyclable carriers and UV resistant
- ✓ All set-ups, every surface
- ✓ Very little packaging material
- ✓ Maximum 5 different articles
- ✓ 25 year warranty



CONVENIENT CALCULATOR FOR INSTALLERS

Make a calculation for your next project? Use our calculator to make a quick calculation and directly place your order. Including:

- ✓ Bill of materials
- ✓ Schematic view
- ✓ Ballast plan

PRODUCT INFORMATION	
Orientation of solar panels	<i>Landscape / Portrait</i>
Setup angle	<i>Landscape 13°, Portrait 10°</i>
Maximum roof pitch	<i>0 - 5°</i>
Material	<i>Magnelis steel / stainless steel / aluminum / plastic</i>
Roof type	<i>Flat roofs with concrete, bitumen, PVC* or pebbles**</i>
Solar panels	<i>See tables below</i>
Warranty	<i>25 years on materials (when installed according to the manual)</i>
<i>*With our leveling blocks, (50mm, art. 500810) the pebbles do not need to be removed everywhere.</i>	

SYSTEM OPTIONS LANDSCAPE ORIENTATION PANEL

SINGLE	WIDTH		LENGTH		THICKNESS	MORE
	Minimum	Maximum	Minimum	Maximum		Information
500170	933	1129	1663	2126	30 or 35	Page 4
500175	1130	1150	1663	2126	30 or 35	Page 6

DUAL	WIDTH		LENGTH		THICKNESS	MORE
	Minimum	Maximum	Minimum	Maximum		Information
500170	1051	1150	1663	2126	30 or 35	Page 8
500157	1051	1150	1663	2126	30 or 35	Page 10

SYSTEM OPTIONS PORTRAIT ORIENTATION PANEL

SINGLE	WIDTH		LENGTH		THICKNESS	MORE
	Minimum	Maximum	Minimum	Maximum		Informatie
500180	1035	1150	1626	1860	28-45	Page 12

DUAL	WIDTH		LENGTH		THICKNESS	MORE
	Minimum	Maximum	Minimum	Maximum*		Informatie
500180	1035	1150	1626	1860	28-45	Page 14

*The maximum value depends on the applied coupler

BALLAST

The system needs to be weighted according to NEN 1991-1-4. This can be done with stones in the ballast tray.

EDGE ZONE

Check the calculator for correct determination of the zone.

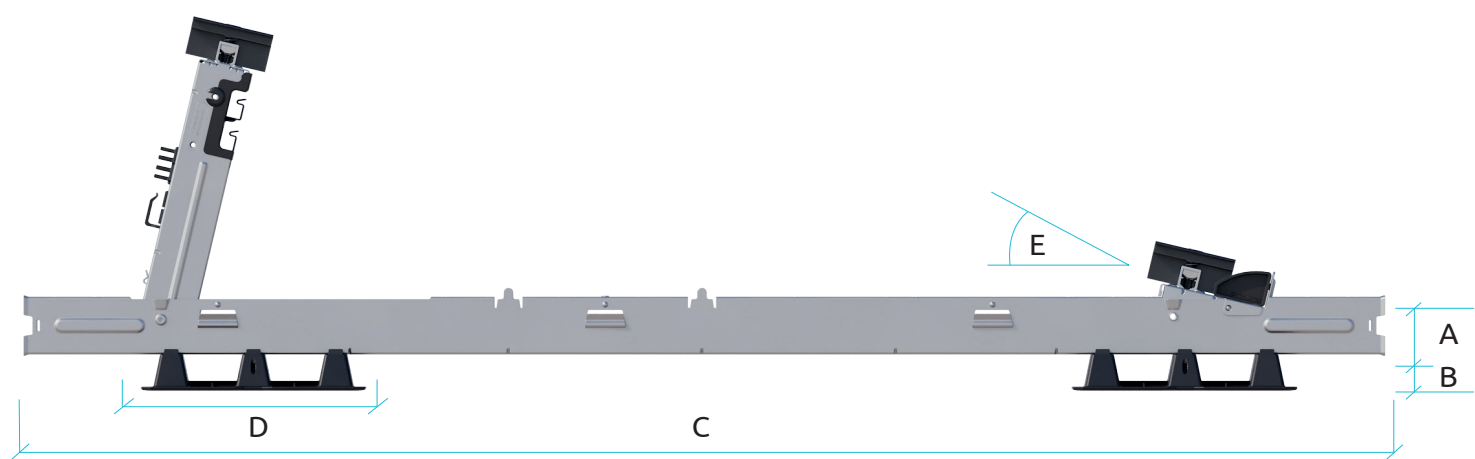
EQUIPOTENTIAL BONDING

The high base has equipotential bonding points that penetrate the coating of the solar panels and make contact. This prevents voltage buildup in the system and avoids malfunctions in the inverters or micro-inverters. NEN 1010.

APPLICABLE REGULATIONS

NEN-EN 1990
NEN-EN 1991-1-3
NEN-EN 1991-1-4
NEN 7250
NEN-EN 1999-1-4
NEN-EN 1997

Eurocode - Basis of structural design
Actions on structures - Snowloads
Actions on structures - Windactions
Solar energy systems - Integration in roofs and facades
Design of aluminium structures
Geotechnical design



PANEL SIZES

	UNIT	VALUE
Width	mm	933-1129
Length	mm	1663-2126
Thickness	mm	30 of 35

SYSTEM SIZES

	UNIT	VALUE
A	mm	50
B	mm	32
C	mm	1160
D	mm	190
E	°	13

Side deflectors

ART. CODE	DESCRIPTION
500130	Connect side deflector left
500131	Connect side deflector right
500005	Connect cable grommet

Ballast Trays

ART. CODE	DESCRIPTION
500530	Connect ballast tray, landscape, pl=1663-1778, L=1901, Magnelis
500531	Connect ballast tray, landscape, pl=1779-1894, L=2017, Magnelis
500532	Connect ballast tray, landscape, pl=1895-2010, L=2133, Magnelis
500533	Connect ballast tray, landscape, pl=2011-2126, L=2249, Magnelis

Back plates

ART. CODE	DESCRIPTION
500240	Connect back plate 72-cell panels
500245	Connect back plate 72-cell panels lar
500236	Connect back plate landscape 66-cells
500250	Connect back plate landscape large
500230	Connect back plate landscape small
500630	Connect back plate landscape, pl=1663-1778, clear

Clamps

ART. CODE	DESCRIPTION
860030	Easy end Clamp 30mm <i>*also available in black</i>
860035	Easy end clamp 35mm <i>*also available in black</i>
852630	Easy mid clamp 26-30 mm <i>*also available in black</i>
853540	Easy mid clamp 35-40 mm <i>*also available in black</i>

Coupler - walkway

ART. CODE	DESCRIPTION	ART. CODE	DESCRIPTION
500013	Connect connector 1320	500017	Connect connector 1700
500015	Connect connector 1500		

Leveling block

ART. CODE	DESCRIPTION
500810	Connect leveling block

End cap

ART. CODE	DESCRIPTION
220293	Connect end cap

Screw

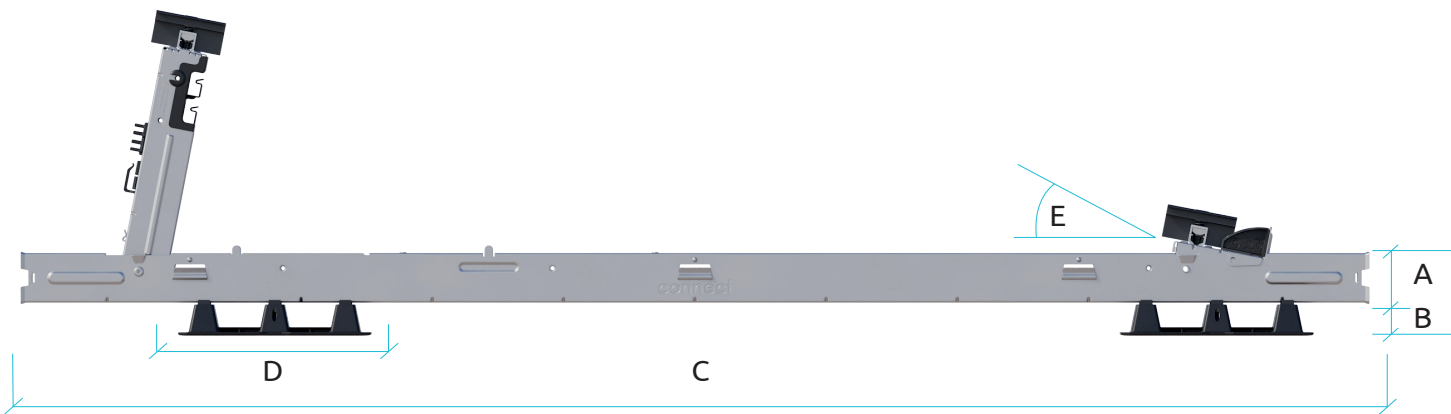
ART. CODE	DESCRIPTION
500901	Connect cladding screw

Cable Clip

ART. CODE	DESCRIPTION
200441	Cable clip panel frame

Friction mat

ART. CODE	DESCRIPTION
140920	Connect friction mat
140930	Connect friction mat, PVC



PANEL SIZES

	UNIT	VALUE
Width	mm	1130-1150
Length	mm	1663-2126
Thickness	mm	30 of 35

SYSTEM SIZES

	UNIT	VALUE
A	mm	50
B	mm	32
C	mm	1336
D	mm	190
E	°	11

Side deflectors

ART. CODE	DESCRIPTION
500135	Connect side deflector left
500136	Connect side deflector right
500005	Connect cable grommet

Ballast Trays

ART. CODE	DESCRIPTION
500530	Connect ballast tray, landscape, pl=1663-1778, L=1901, Magnelis
500531	Connect ballast tray, landscape, pl=1779-1894, L=2017, Magnelis
500532	Connect ballast tray, landscape, pl=1895-2010, L=2133, Magnelis
500533	Connect ballast tray, landscape, pl=2011-2126, L=2249, Magnelis

Back plates

ART. CODE	DESCRIPTION
500240	Connect back plate 72-cell panels
500245	Connect back plate 72-cell panels large
500236	Connect back plate landscape 66-cells
500250	Connect back plate landscape large
500230	Connect back plate landscape small
500630	Connect back plate landscape, pl=1663-1778, clear

Clamps

ART. CODE	DESCRIPTION
860030	Easy end Clamp 30mm <i>*also available in black</i>
860035	Easy end clamp 35mm <i>*also available in black</i>
852630	Easy mid clamp 26-30 mm <i>*also available in black</i>
853540	Easy mid clamp 35-40 mm <i>*also available in black</i>

Coupler - walkway

ART. CODE	DESCRIPTION	ART. CODE	DESCRIPTION
500013	Connect connector 1320	500017	Connect connector 1700
500015	Connect connector 1500		

Leveling block

ART. CODE	DESCRIPTION
500810	Connect leveling block

End cap

ART. CODE	DESCRIPTION
220293	Connect end cap

Screw

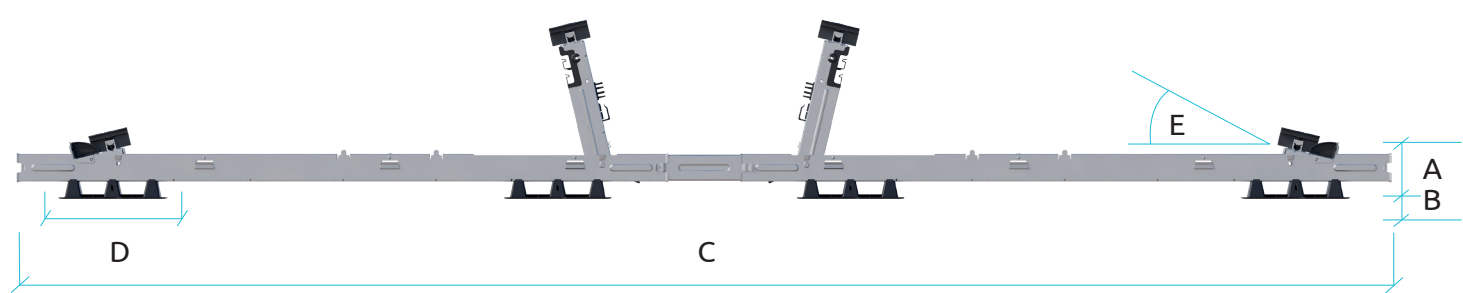
ART. CODE	DESCRIPTION
500901	Connect cladding screw

Cable Clip

ART. CODE	DESCRIPTION
200441	Cable clip panel frame

Friction mat

ART. CODE	DESCRIPTION
140920	Connect friction mat
140930	Connect friction mat, PVC



PANEL SIZES

	UNIT	VALUE
Width	<i>mm</i>	1051-1150
Length	<i>mm</i>	1663 - 2126
Thickness	<i>mm</i>	30 of 35

SYSTEM SIZES

	UNIT	VALUE
A	<i>mm</i>	50
B	<i>mm</i>	32
C	<i>mm</i>	2450
D	<i>mm</i>	190
E	°	13

Side deflectors

ART. CODE	DESCRIPTION
500130	Connect side deflector left
500131	Connect side deflector right
500005	Connect cable grommet

Ballast Trays

ART. CODE	DESCRIPTION
500531	Connect ballast tray, landscape, pl=1779-1894, L=2017, Magnelis
500532	Connect ballast tray, landscape, pl=1895-2010, L=2133, Magnelis
500533	Connect ballast tray, landscape, pl=2011-2126, L=2249, Magnelis

Clamps

ART. CODE	DESCRIPTION
860030	Easy end Clamp 30mm <i>*also available in black</i>
860035	Easy end clamp 35mm <i>*also available in black</i>
852630	Easy mid clamp 26-30 mm <i>*also available in black</i>
853540	Easy mid clamp 35-40 mm <i>*also available in black</i>

Coupler - high base

ART. CODE	DESCRIPTION
500013	Connect connector 1320

Coupler - walkway

ART. CODE	DESCRIPTION
500013	Connect connector 1320
500015	Connect connector 1500
500017	Connect connector 1700

Leveling block

ART. CODE	DESCRIPTION
500810	Connect leveling block

End cap

ART. CODE	DESCRIPTION
220293	Connect end cap

Screw

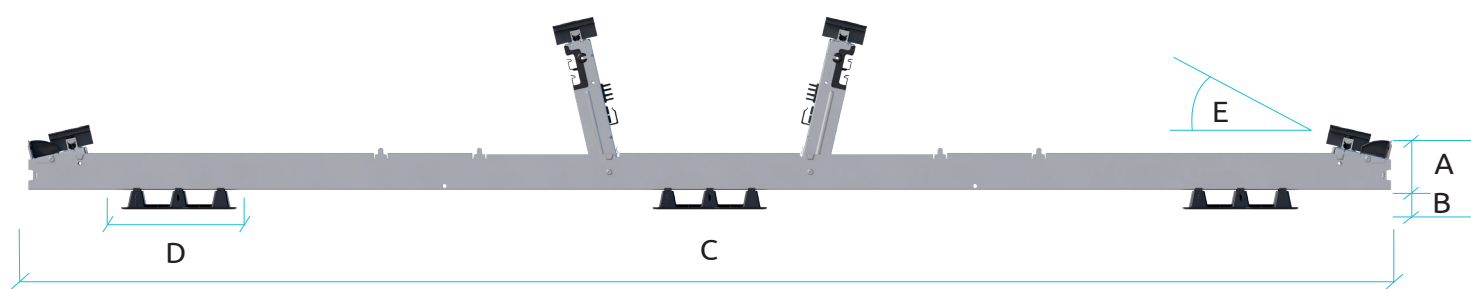
ART. CODE	DESCRIPTION
500901	Connect cladding screw

Cable Clip

ART. CODE	DESCRIPTION
200441	Cable clip panel frame

Friction mat

ART. CODE	DESCRIPTION
140920	Connect friction mat
140930	Connect friction mat, PVC



PANEL SIZES

	UNIT	VALUE
Width	mm	1051-1150
Length	mm	1663-2126
Thickness	mm	30-35

SYSTEM SIZES

	UNIT	VALUE
A	mm	50
B	mm	32
C	mm	2076
D	mm	190
E	°	11

Side deflectors

ART. CODE	DESCRIPTION
500190	Connect side deflector OW 2280 left
500191	Connect side deflector OW 2280 right
500005	Connect cable grommet

Ballast Trays

ART. CODE	DESCRIPTION
500530	Connect ballast tray, landscape, pl=1663-1778, L=1901, Magnelis
500531	Connect ballast tray, landscape, pl=1779-1894, L=2017, Magnelis
500532	Connect ballast tray, landscape, pl=1895-2010, L=2133, Magnelis
500533	Connect ballast tray, landscape, pl=2011-2126, L=2249, Magnelis

Clamps

ART. CODE	DESCRIPTION
860030	Easy end Clamp 30mm <i>*also available in black</i>
860035	Easy end clamp 35mm <i>*also available in black</i>
852630	Easy mid clamp 26-30 mm <i>*also available in black</i>
853540	Easy mid clamp 35-40 mm <i>*also available in black</i>

Coupler - walkway

ART. CODE	DESCRIPTION
500013	Connect connector 1320
500015	Connect connector 1500
500017	Connect connector 1700

Leveling block

ART. CODE	DESCRIPTION
500810	Connect leveling block

End cap

ART. CODE	DESCRIPTION
220293	Connect end cap

Screw

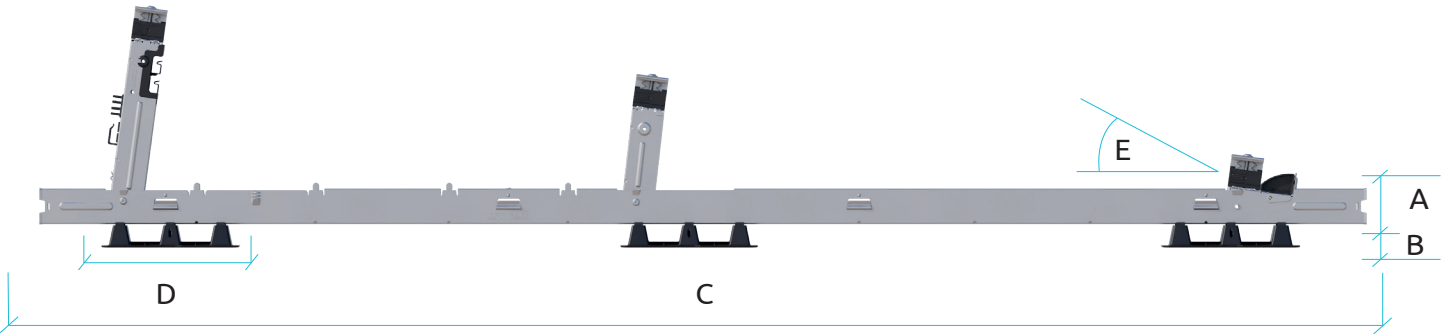
ART. CODE	DESCRIPTION
500901	Connect cladding screw

Cable Clip

ART. CODE	DESCRIPTION
200441	Cable clip panel frame

Friction mat

ART. CODE	DESCRIPTION
140920	Connect friction mat
140930	Connect friction mat, PVC



PANEL SIZES

	UNIT	VALUE
Width	<i>mm</i>	1035-1150
Length	<i>mm</i>	1626-1860
Thickness	<i>mm</i>	28-45

SYSTEM SIZES

	UNIT	VALUE
A	<i>mm</i>	50
B	<i>mm</i>	32
C	<i>mm</i>	1840
D	<i>mm</i>	190
E	°	13

Side deflectors

ART. CODE	DESCRIPTION
500140	Connect side deflector, portrait, left
500141	Connect side deflector, portrait, right
500005	Connect cable grommet

Ballast Trays

ART. CODE	DESCRIPTION
500500	Connect ballast tray, portrait, pw=1035-1150, L=1273, Magnelis

Back plates

ART. CODE	DESCRIPTION
500231	Connect back plate portrait
500232	Connect back plate portrait large

Clamps

ART. CODE	DESCRIPTION
500223	Connect universal Easy clamp
500224	Connect universal Easy clamp black

Coupler - walkway

ART. CODE	DESCRIPTION
500013	Connect connector 1320
500015	Connect connector 1500
500017	Connect connector 1700

Leveling block

ART. CODE	DESCRIPTION
500810	Connect leveling block

End cap

ART. CODE	DESCRIPTION
220293	Connect end cap

Screw

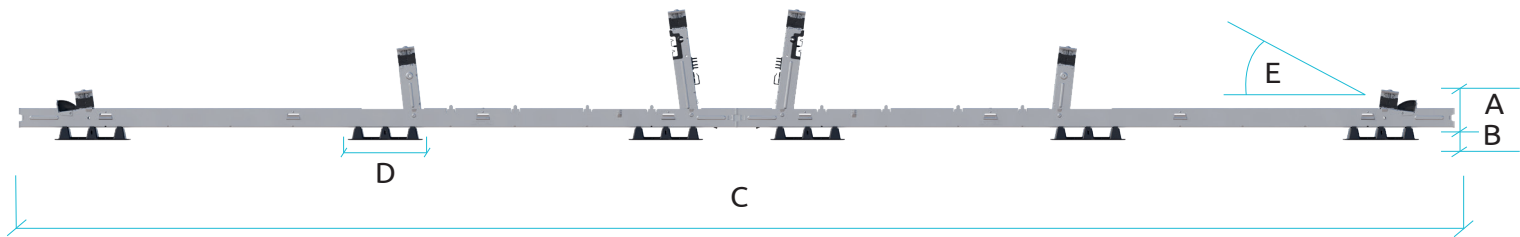
ART. CODE	DESCRIPTION
500901	Connect cladding screw

Cable Clip

ART. CODE	DESCRIPTION
200441	Cable clip panel frame

Friction mat

ART. CODE	DESCRIPTION
140920	Connect friction mat
140930	Connect friction mat, PVC



PANEL SIZES

	UNIT	VALUE
Width	<i>mm</i>	1035-1150
Lengte (500050)	<i>mm</i>	1626-1729
Lengte (500013)	<i>mm</i>	1730-1794
Lengte (500015)	<i>mm</i>	1795-1860
Dikte	<i>mm</i>	28-45

SYSTEM SIZES

	UNIT	VALUE
A	<i>mm</i>	50
B	<i>mm</i>	32
C (500050)	<i>mm</i>	3680
C (500013)	<i>mm</i>	3810
C (500015)	<i>mm</i>	3990
D	<i>mm</i>	190
E	°	13

Side deflectors

ART. CODE	DESCRIPTION
500140	Connect side deflector, portrait, left
500141	Connect side deflector, portrait, right
500005	Connect cable grommet

Ballast Trays

ART. CODE	DESCRIPTION
500500	Connect ballast tray, portrait, pw=1035-1150, L=1273, Magnelis

Clamps

ART. CODE	DESCRIPTION
500223	Connect universal Easy clamp
500224	Connect universal Easy clamp black

Coupler - walkway

ART. CODE	DESCRIPTION
500013	Connect connector 1320
500015	Connect connector 1500
500017	Connect connector 1700

Leveling block

ART. CODE	DESCRIPTION
500810	Connect leveling block

End cap

ART. CODE	DESCRIPTION
220293	Connect end cap

Screw

ART. CODE	DESCRIPTION
500901	Connect cladding screw

Cable Clip

ART. CODE	DESCRIPTION
200441	Cable clip panel frame

Friction mat

ART. CODE	DESCRIPTION
140920	Connect friction mat
140930	Connect friction mat, PVC