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www.sl-rack.com

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Innovative Product Development



„Our racking systems have been developed since 1996 and are continuously optimized. Pre-assembled components that are quick and easy to install, prompt order processing, a reliable product supply and cost-effectiveness are our focus.

All our components follow a convenient top-down installation approach, ensuring a smooth and timesaving workflow. SL Rack systems are installer-friendly, intuitive and standardized, while still having the flexibility to adapt to each respective project site.“

Sincerely,

Ludwig Schletter

SL Rack in numbers:



25..... Years of experience

30..... GW installed worldwide

15..... Product specialists are happy to support you

EU..... Almost exclusively manufactured in Germany and Europe

100% Aluminum and stainless steel- **extremely durable**

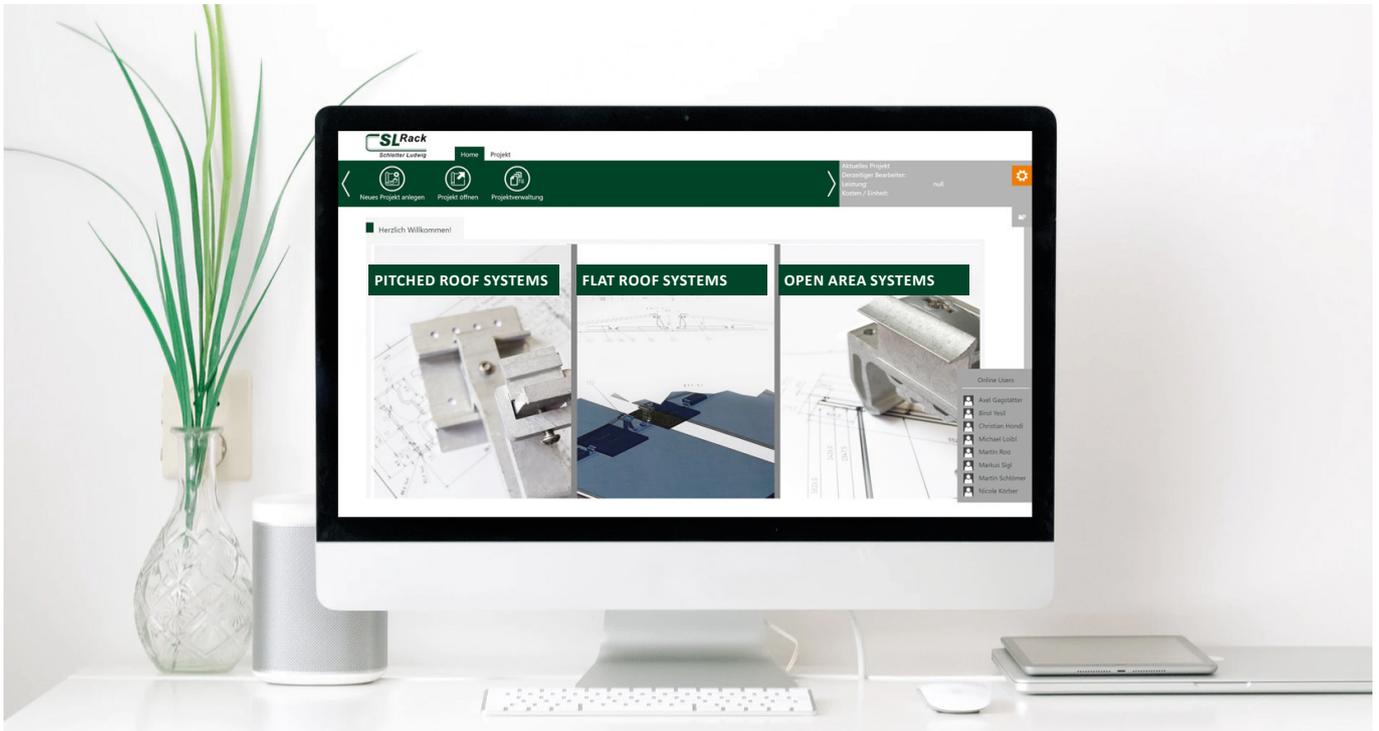


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Check out our
YouTube-channel:
[Installation videos >](#)

*Our warranty conditions apply. They are available at www.sl-rack.com



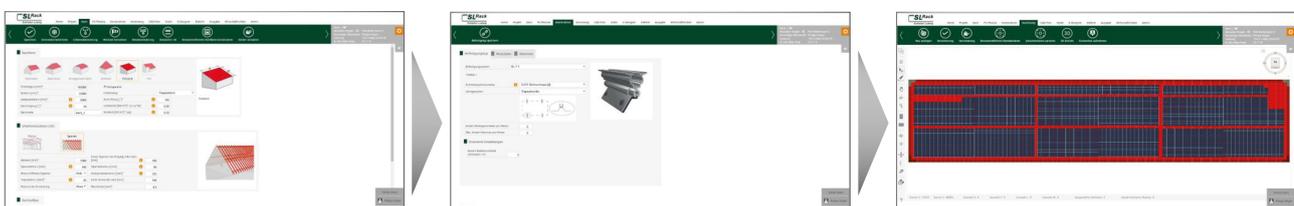
Welcome to our **Solar.Pro.Tool.**

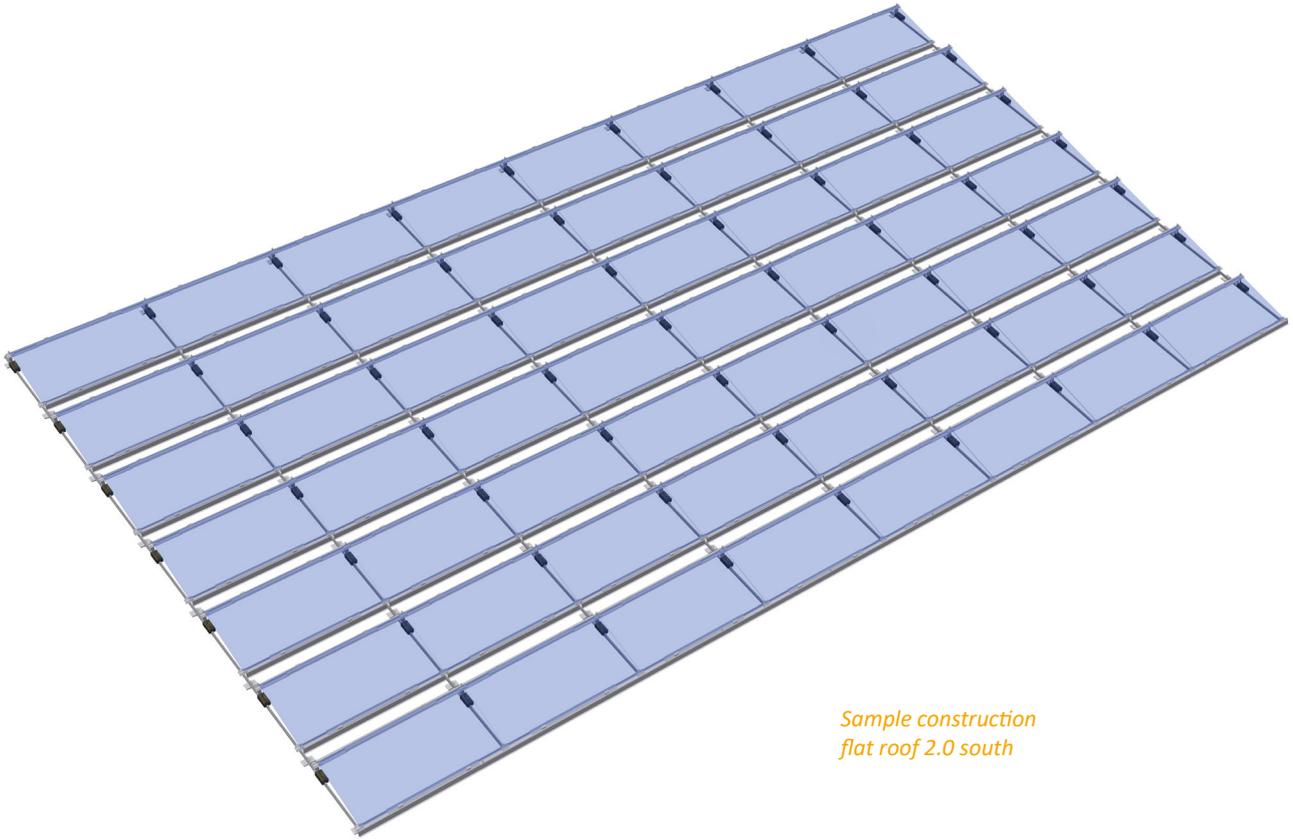
Solar.Pro.Tool.



Design your rooftop projects quickly and with ease using our **Solar.Pro.Tool.**, available on our website.

- » For all pitched and flat roofs
- » Finish your design in 10 simple steps
- » In 2D or 3D (PDF, DXF, DWG)
- » Building authority certified
- » Precise ballast calculations for any type of flat roof
- » Drawings and bill of material



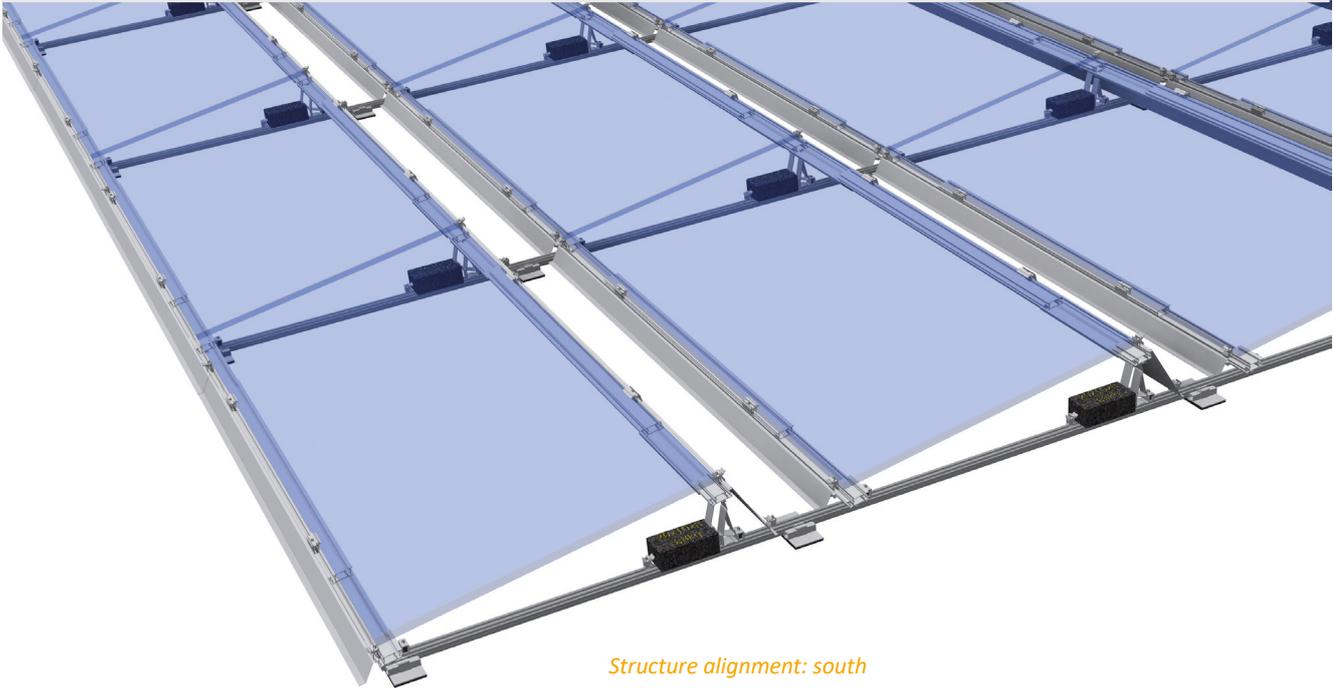


*Sample construction
flat roof 2.0 south*

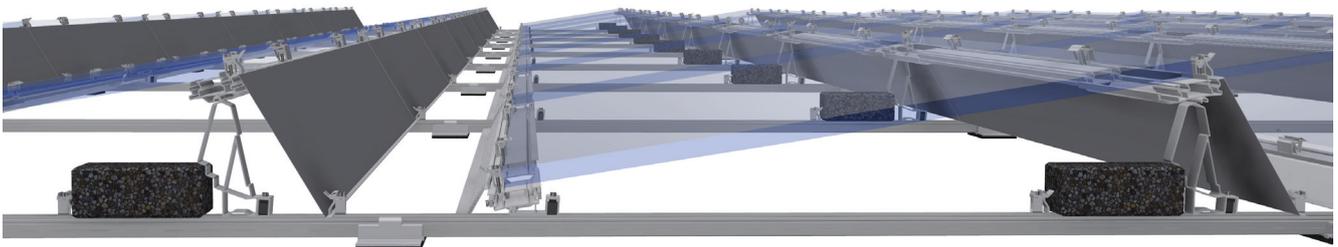
FLA-SYSTEM 2.0 SOUTH – use the advantage of this unique system with material-optimized quarter-point clamping!

FLA-SYSTEM 2.0 impresses with additional advantages to let you complete your projects as efficiently as possible.

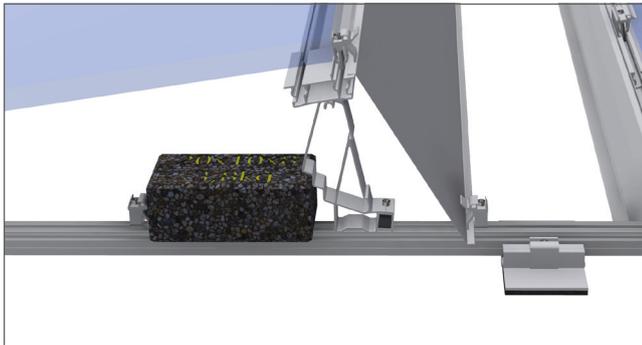
Material-optimized quarter-point clamping adds significant value by simplifying the assembly process while complying with the module manufacturer's installation instructions. The components of our new generation will impress you with their well thought-out simplifications, making the installation easier and quicker.



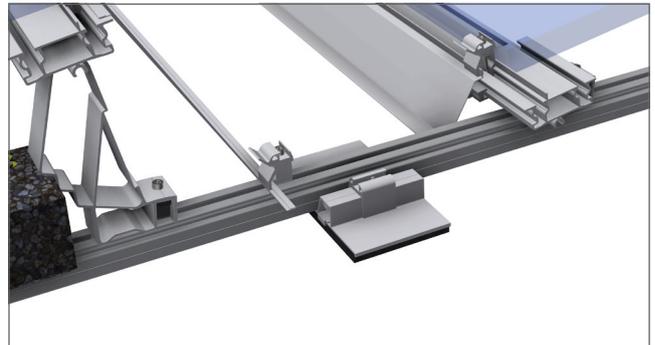
Structure alignment: south



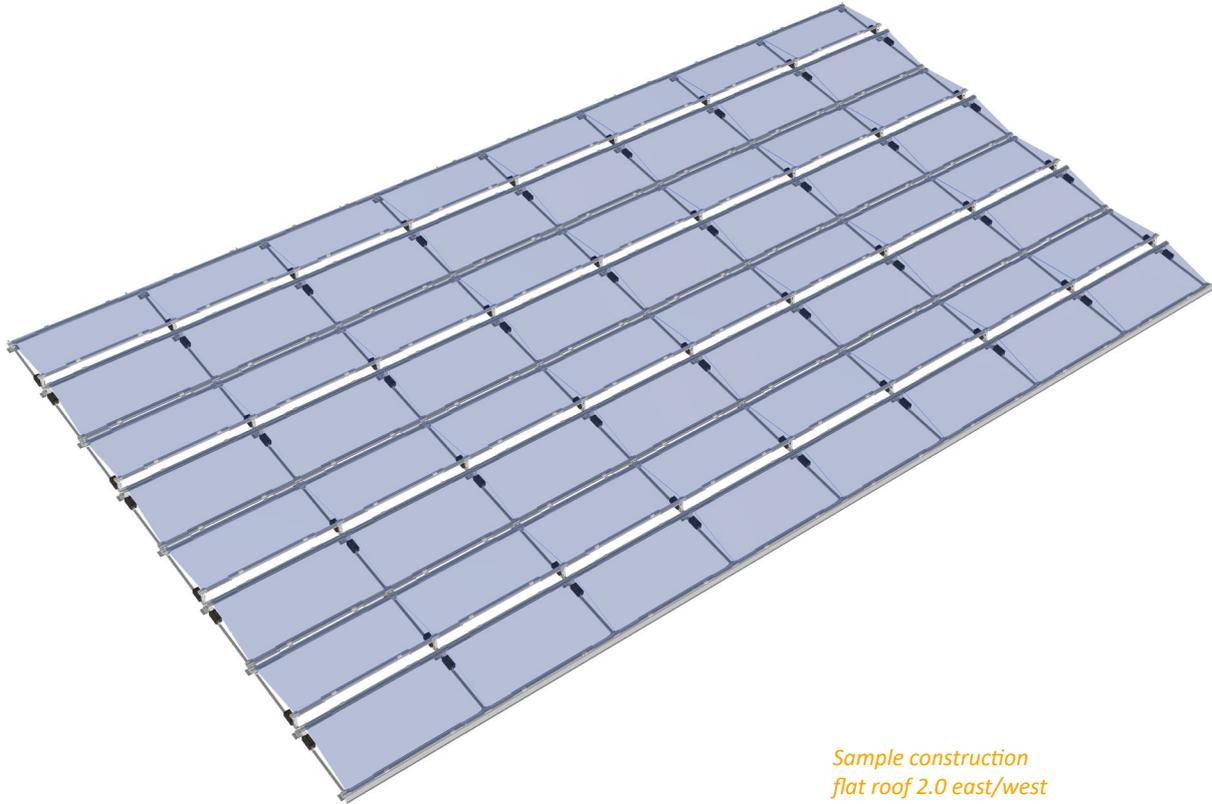
Ballast arrangement



FLA holder top with wind deflector plate top



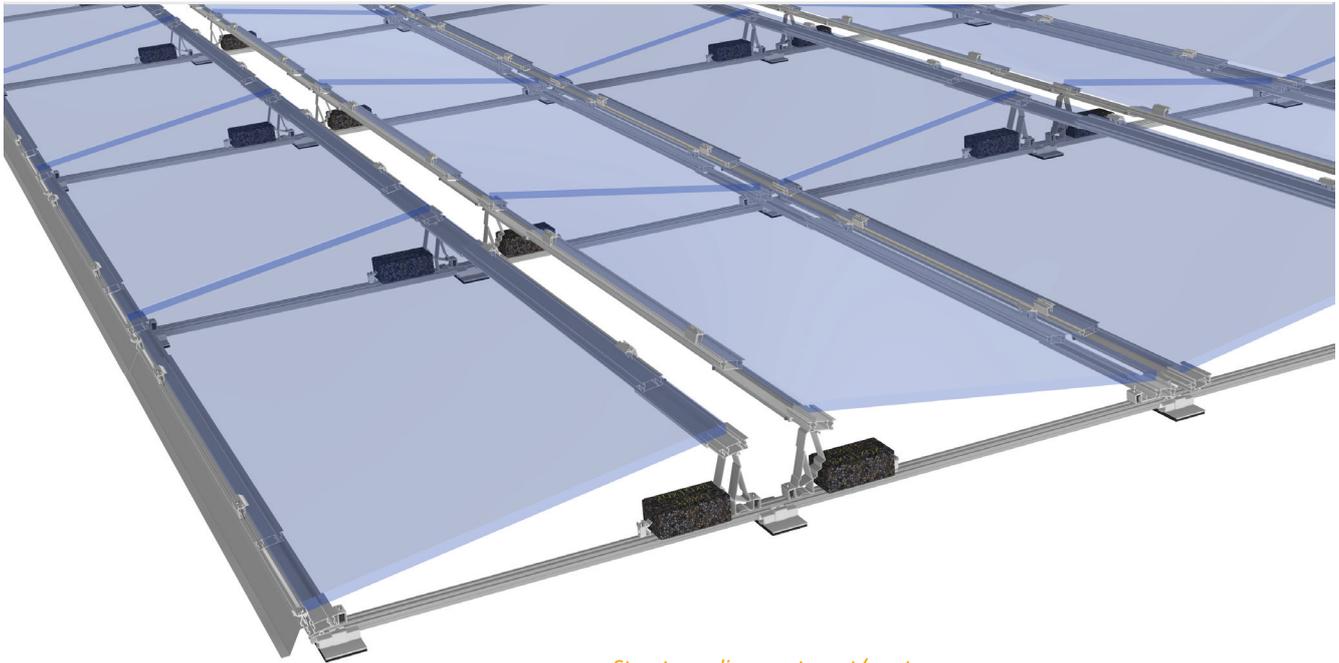
Module with FLA Holder bottom



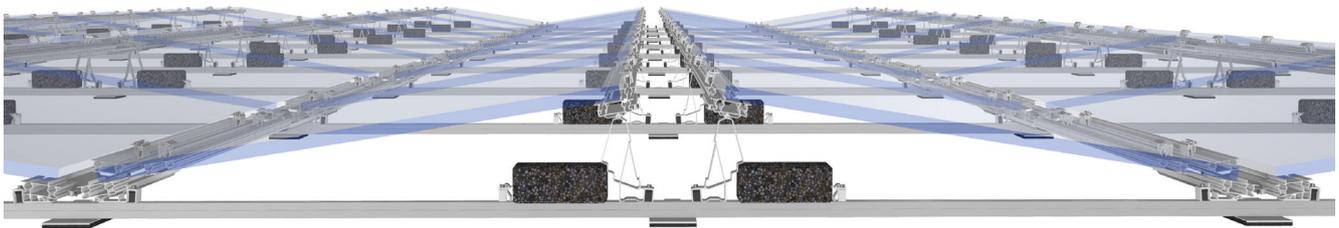
*Sample construction
flat roof 2.0 east/west*

FLA-SYSTEM 2.0 EAST/WEST: Great improvements through optimization and increased flexibility

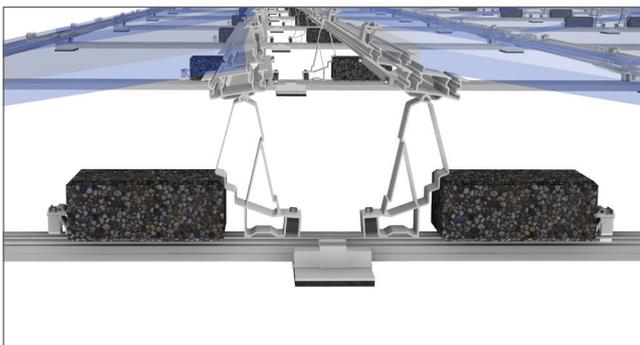
- » Integrated maintenance aisle for convenient access
- » Optional use of wind deflectors to optimize airflow in case of very high wind loads
- » One of the lowest ballasted systems on the market
- » Clamping possible on both sides of the panel as well as quarter-point clamping
- » Use Cable Clip RAIL for cable management
- » Can be integrated into a lightning protection system
- » Low number of standardized components – maximum flexibility for module size and clamping positions
- » Simple fixation of ballast stones through indentation for 50 mm / 60 mm and 70 mm
- » Even possible with RAIL 30 / RAIL 35 / RAIL 40 / RAIL 60 or RAIL 120
- » Flexibility in arrangement and number of base plates allows for maximum adaptability to the requirements of the roof membrane
- » Only one tool required: Torx TX40
- » Use Solar.Pro.Tool for an easy system design and project report incl. statics
- » Due to the swivel joint, minor installation errors can be compensated
- » Unevenness of the roof can be absorbed
- » Standard components



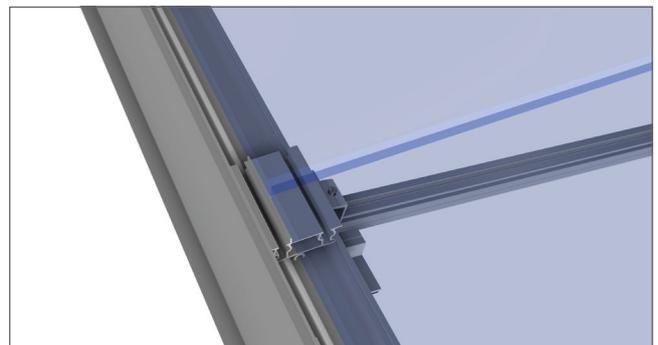
Structure alignment: east/west



Ballast arrangement



FLA holder top with module



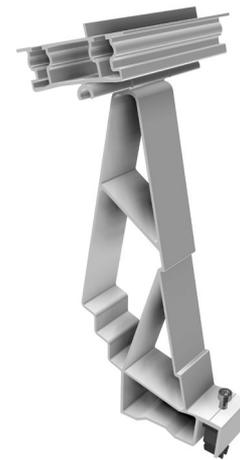
FLA holder bottom with wind deflector plate bottom

FLA Holder Top

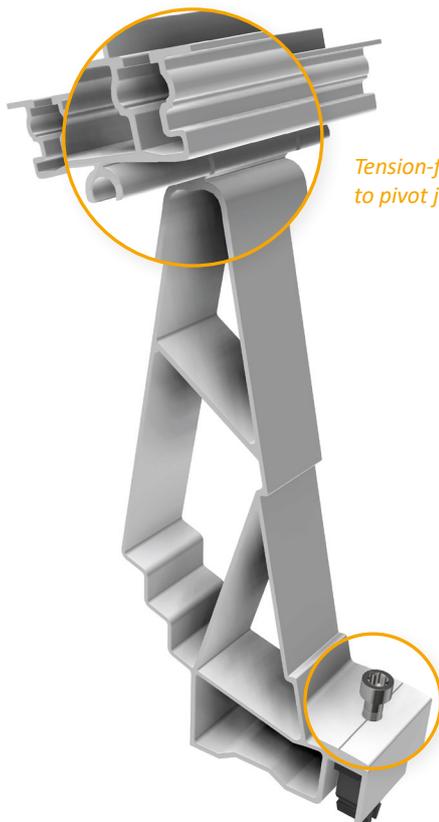
- » Convenient fixation from the top
- » Only one tool required: Torx TX40
- » Short side or long side clamping
- » Tension-free module installation due to the FLA holder's pivot joint 10°/15°
- » Same component for both, south and east/west systems
- » Simple fixation of ballast stones through indentation for 50 mm / 60 mm and 70 mm
- » FLA holder is equipped with 2 rail channels
- » Fast installation, proven connection system
- » Minor installation errors are easily compensated for
- » Can be attached to any RAILS



FLA holder top 10°



FLA holder top 15°



Tension-free module installation due to pivot joint

Convenient fixation from the top with only one tool (Torx TX40)

VARIANTS

Item no. 21113-10	EAN 4262355111763	FLA holder top 10°	10 pcs. per PU
Item no. 21113-15	EAN 4262355111770	FLA holder top 15°	10 pcs. per PU

FLA Holder Bottom

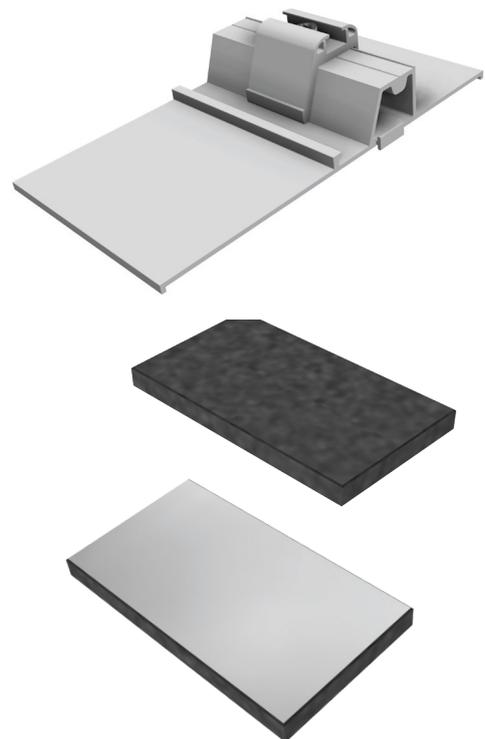
- » Convenient fixation from the top
- » Only one tool required: Torx TX40
- » Short side or long side clamping
- » Tension-free module installation due to the FLA holder's pivot joint
- » Same component for both, south and east/west systems
- » Fast installation, proven connection system
- » Usable in combination with FLA holder top



Item no. 21110-00	EAN 4262355111787	FLA holder bottom	25 pcs. per PU
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FLA Base Plate

- » Convenient fixation from the top
- » Only one tool required: Torx TX40
- » Flexible attachment to RAIL
- » Suitable for all RAILS
- » Wide bearing surface for low point loads
- » The aluminum layer on the bottom of the building protection mat AKSK prevents the possible release of plasticizer to the roof membrane, suitable for foil roofs;
- » Made of EPDM; The force is transferred to the roof deck

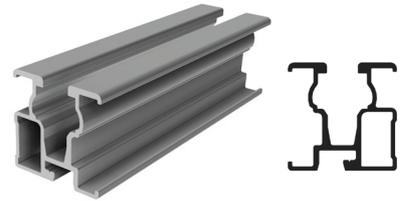


VARIANTS

Item no. 21112-10	EAN 4262355111794	FLA Base Plate with Building Protection Mat SK	25 pcs. per PU
Item no. 21112-20	EAN 4262355111800	FLA Base Plate with Building Protection Mat AKSK with Aluminum Lamination	25 pcs. per PU

RAIL 30

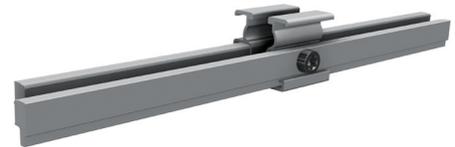
- » Compatible with popular racking on the market
- » Easy handling and stacking
- » Same weight/static values as comparable products



Item no. 81130-5400	EAN 4262355111657	RAIL 30- 5400 mm	200 pcs. per PU
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Internal Connector RAIL 2.0 for RAIL 30

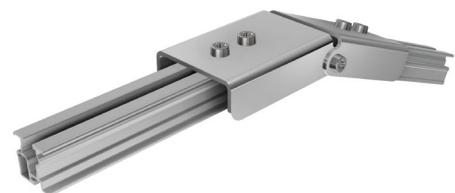
- » The fastest and safest connector on the market
- » Extremely sturdy, precise and easy to install
- » Timesaving, just one part, screws pre-installed
- » Only one tool required: Torx TX40
- » Joining RAILs without disturbing external structures



Item no. 81130-02	EAN 4262355111688	Internal Connector RAIL 2.0 for RAIL 30	50 pcs. per PU
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Ridge connector Module support profiles

- » Secures flat roof structures over the ridge
- » Articulated joint adapts to any roof pitch
- » Fits RAIL 30, 35 and 40

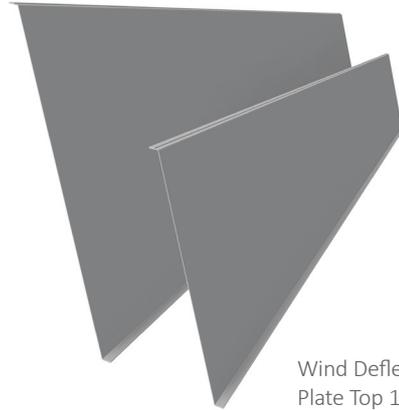


Item no. 23400-00	EAN 4262355111824	Ridge connector Module support profiles	20 pcs. per PU
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Wind Deflector Plate Top 2.0

- » Optimizes the aerodynamics of the system by directing the wind over the solar modules
- » The use of wind deflectors reduces the required ballast
- » Prevents solar modules from lifting off
- » Length 2280 mm
- » Height 389 mm (Wind Deflector Plate Top 15°)
- » Height 289 mm (Wind Deflector Plate Top 10°)

Wind Deflector Plate Top 15°



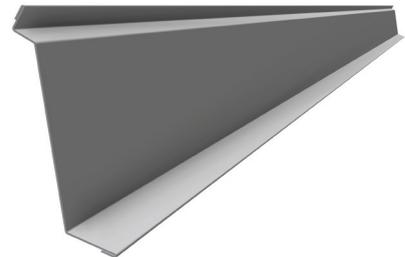
Wind Deflector Plate Top 10°

VARIANTS

Item no. 21212-2280	EAN 4262355111732	Wind Deflector Plate Top 10° 2.0	20 pcs. per PU
Item no. 21217-2280	EAN 4262355111749	Wind Deflector Plate Top 15° 2.0	20 pcs. per PU

Wind Deflector Plate Bottom 2.0

- » Optimizes the aerodynamics of the system by directing the wind over the solar modules
- » For south-aligned systems place inner wind deflectors on each module row
- » Suitable for all RAILS



Item no. 21211-2280	EAN 4262355111756	Wind Deflector Plate Bottom 2.0	20 pcs. per PU
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FLA Universal Clamp

- » Convenient fixation from the top
- » Only one tool required: Torx TX40
- » One clamp for the fixation of ballast blocks as well as wind deflectors



Item no. 21114-00	EAN 4262355111480	FLA Universal Clamp	200 pcs. per PU
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FLA Flex

- » Allows for quarter-point clamping according to manufacturer's specifications
- » Suitable for larger modules
- » For the attachment of any-size modules in snowy regions



Item no. 21107-1500	EAN 4262355111497	FLA Flex	20 pcs. per PU
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FLA Flex-Connector

- » Variable connection of FLA holder with FLA Flex rail
- » Only one tool required: Torx TX40
- » For the attachment of any-size modules in snowy regions



Item no. 21108-370	EAN 4262355111503	FLA Flex-Connector	20 pcs. per PU
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Ballast Tub 2.0

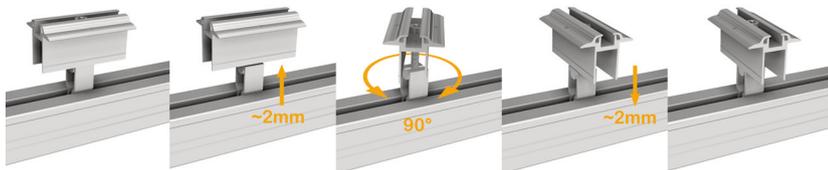
- » For filling with ballast stones according to the ballast plan
- » Ballast tub is placed on the lower edge of the FLA base plate
- » Sheets are adjustable in length to accommodate various sizes of solar modules



Item no. 22111-00	EAN 4262355111725	Ballast Tub 2.0	20 pcs. per PU
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Mid Clamps and End Clamps Vario

- » Universal mid and end clamp for frame heights 30 mm - 50 mm
- » Vertical or horizontal mounting by simply lifting and turning the claw 90°
- » Completely pre-assembled; compatible with all RAILS
- » Optimized warehousing
- » Convenient top-down installation; Only one tool required: Torx TX40
- » 70 mm clamp length ensures a safe installation
- » Mid clamp available with or without grounding pin for potential equalization
- » Also available in black anodized



Easy switch between horizontal and vertical: just lift and turn the claw 90°



Mid clamp Vario with grounding pin for frame heights 30 mm - 50 mm



Mid clamp Vario without grounding pin for frame heights 30 mm - 50 mm



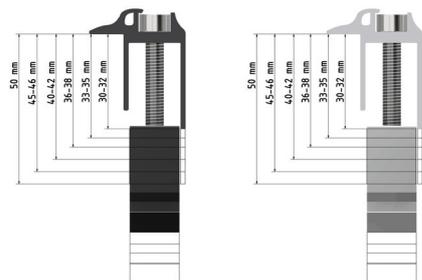
End clamp Vario for frame heights 30 mm - 50 mm

VARIANTS

Item no. 91112-00	EAN 4262355110544	End clamp Vario	100 pcs. per PU
Item no. 96112-00	EAN 4262355110551	End clamp Vario, black anodized	100 pcs. per PU
Item no. 91121-01	EAN 4262355110568	Mid clamp Vario with grounding	100 pcs. per PU
Item no. 96141-01	EAN 4262355110575	Mid clamp Vario with grounding, black anodized	100 pcs. per PU
Item no. 91151-01	EAN 4262355110582	Mid clamp Vario	100 pcs. per PU
Item no. 96151-01	EAN 4262355110599	Mid clamp Vario, black anodized	100 pcs. per PU

End clamp 30 - 50

- » End clamp for frame heights 30 mm - 50 mm
- » Convenient top-down installation; Only one tool required: Torx TX40
- » 70 mm clamp length ensures a safe installation

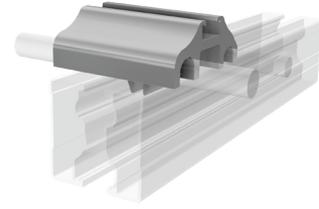


VARIANTS

Item no. 91113-31	EAN 4262355111510	End clamp 30-32 mm	100 Stück pro VPE
Item no. 96113-31	EAN 4262355111527	End clamp 30-32 mm, black anodized	100 Stück pro VPE
Item no. 91113-34	EAN 4262355111534	End clamp 33-35 mm	100 Stück pro VPE
Item no. 96113-34	EAN 4262355111541	End clamp 33-35 mm, black anodized	100 Stück pro VPE
Item no. 91113-37	EAN 4262355111558	End clamp 36-38 mm	100 Stück pro VPE
Item no. 96113-37	EAN 4262355111565	End clamp 36-38 mm, black anodized	100 Stück pro VPE
Item no. 91113-41	EAN 4262355111572	End clamp 40-42 mm	100 Stück pro VPE
Item no. 96113-41	EAN 4262355111589	End clamp 40-42 mm, black anodized	100 Stück pro VPE
Item no. 91113-45	EAN 4262355111596	End clamp 45-46 mm	100 Stück pro VPE
Item no. 96113-45	EAN 4262355111602	End clamp 45-46 mm, black anodized	100 Stück pro VPE
Item no. 91113-50	EAN 4262355111619	End clamp 50 mm	100 Stück pro VPE
Item no. 96113-50	EAN 4262355111626	End clamp 50 mm, black anodized	100 Stück pro VPE

Lightning Protection Clamp

- » Fits all RAIL profiles
- » Convenient installation from the top
- » Only one tool required: Torx TX40
- » Completely pre-assembled
- » One clamp, two options: round wire \varnothing 8 mm and \varnothing 10 mm
- » Certified to DIN EN 62561
- » Metrological tests need to be performed according to the valid electrotechnical standards

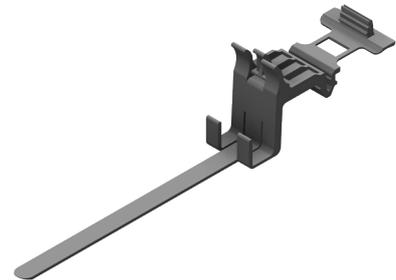


Lightning Protection Clamp top, very low height, suitable for 30 mm module frames

Item no. 91518-00	EAN 4262355110742	Lightning Protection Clamp top	100 pcs. per PU
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Cable Clip RAIL

- » Fits any RAIL and popular profile on the market with a 8 mm top channel
- » Suitable for installation underneath panels with a 30 mm frame
- » Quickly installed and easily de-installed for later re-use
- » Effortless repositioning in the rail channel
- » Space for one connector (e.g. MC4) and up to 15 cables with \varnothing 5,4 mm each
- » Forgot a cable? No problem, our cable clip can be re-opened easily
- » Material: UV- and weather-resistant plastic in matt black



Item no. 91402-00	EAN 4262355110827	Cable Clip RAIL	100 pcs. per PU
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