

SCHLETTER
AN ENSTALL COMPANY

PRODUCT CATALOG

ROOF 2026



IMPRINT

SCHLETTER SOLAR GMBH
Alustrasse 1
83527 Kirchdorf
Germany

www.schletter-group.com
info@schletter-group.com

WE SUPPORT SOLAR.

AT SCHLETTER, WE BELIEVE ANY
BUSINESS, BIG OR SMALL, CAN ONLY
BENEFIT FROM DEDICATED SUPPORT.

And if ever there were an industry worth supporting, it's solar. That's why we prioritize the success of every solar company, including yours. We're here to support you and your efforts with a first-class service and products engineered for the long-term success of your projects. Together, we'll change lives, improve societies, and transform this unique and unlikely planet for the better.

Think of it this way: if you don't deserve our support, who does?

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PRODUCT CATALOG



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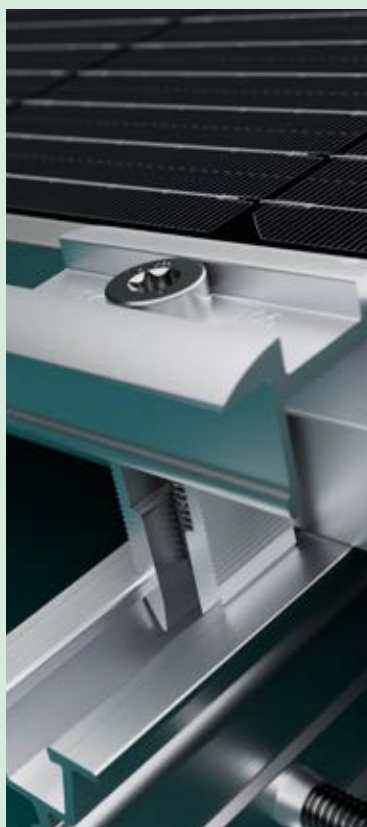
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GENERAL INFORMATION

PLANNING AID

The Schletter Configurator is one of the most popular planning programs for solar systems. It assists you with the professional planning and calculation of your rooftop system. And the best part: It is available for free at schletter-group.com.

TOLERANCES

Production-specific tolerances are to be considered with all dimension specifications.

STATICS

Structural calculation according to the current country-specific standards (in Germany EN 1991, EC1). Structural analysis supplement for the dimensioning of the number of required fixing points, based on the structural analysis. Please always observe the structural analysis information.

The verification of the holding force of the respective roof on the substructure is not included in the general structural analysis documents.

INFORMATION MATERIAL

You will find current catalogs, product sheets and instructions in our download area. They provide a detailed overview of the application and assembly of our products.



[www.schletter-group.com/
download-center/](http://www.schletter-group.com/download-center/)



MATERIALS USED

- **Roof hooks and their main components:**
High-strength steel with zinc flake coating, stainless steel 1.4301 or aluminum EN AW 6063
- **Bolts and nuts:**
Stainless steel A2 or higher grade
- **Steel sheet components:**
Stainless steel 1.4301 or aluminum EN AW 6063
- **Rails:**
Aluminum EN AW 6063, T66 or similar
- **Module clamps:**
Aluminum EN AW 6063, T66 or similar
- **Sealing rubber:**
EPDM (UV-resistant)

Deviating materials are described with the individual items.

SERIES MARKING

The markings at the bottom make it clear at a glance which series the individual items belong to. Of course, our expert technicians will be at your disposal should you have any questions in this regard.

If no marking is indicated, then the item or system is compatible with both series.



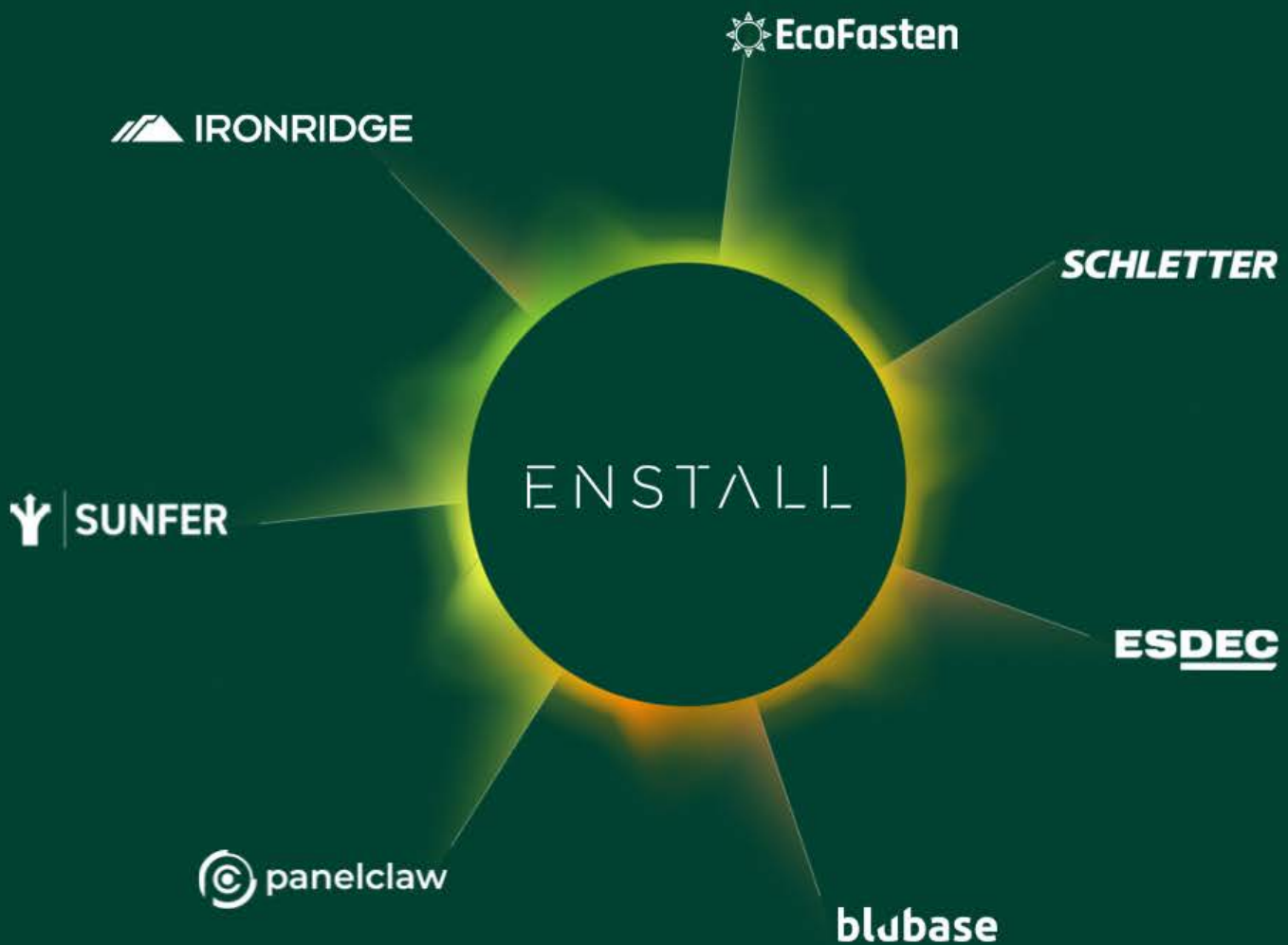
**COMPATIBLE WITH OUR
CLASSIC SERIES**



**COMPATIBLE WITH OUR
PROLINE SERIES**

LOGISTICAL QUANTITIES

For each item you will find the respective packaging unit in the box/package (PU), as well as the loading unit (LU). The latter refers to the total quantity of items per transport pallet.



ON A STRONG FOUNDATION

SCHLETTER AS PART OF THE ENSTALL GROUP

Today, Schletter stands on the strong foundation of the Enstall Group – the leading provider of solar mounting systems for roofs worldwide. For our customers, this means access to an expanded product portfolio, bundled know-how and new services that make the planning, implementation and operation of solar power plants more efficient. Stability, scalability and sustainable growth thus become an integral part of every project.

QUALITY WITHOUT COMPROMISES

SCHLETTER PRODUCTS WITHSTAND ALL WEATHER CONDITIONS.

Over the past few decades, we have dedicated ourselves to improving the durability, safety, sustainability and overall quality of our solar mounting systems.

Our quality control is meticulous, uncompromising, and conscientious down to the last detail. We use only the highest quality steel and aluminum.

Whether stormy winds, monsoon-like rains, excessive snow loads, sandstorms, hail or even earthquakes – our indestructible constructions are specially designed for use in bad weather and in any terrain and can withstand even the toughest conditions – for 25 years or more.



International
Electrotechnical
Commission



BLACK & VEATCH



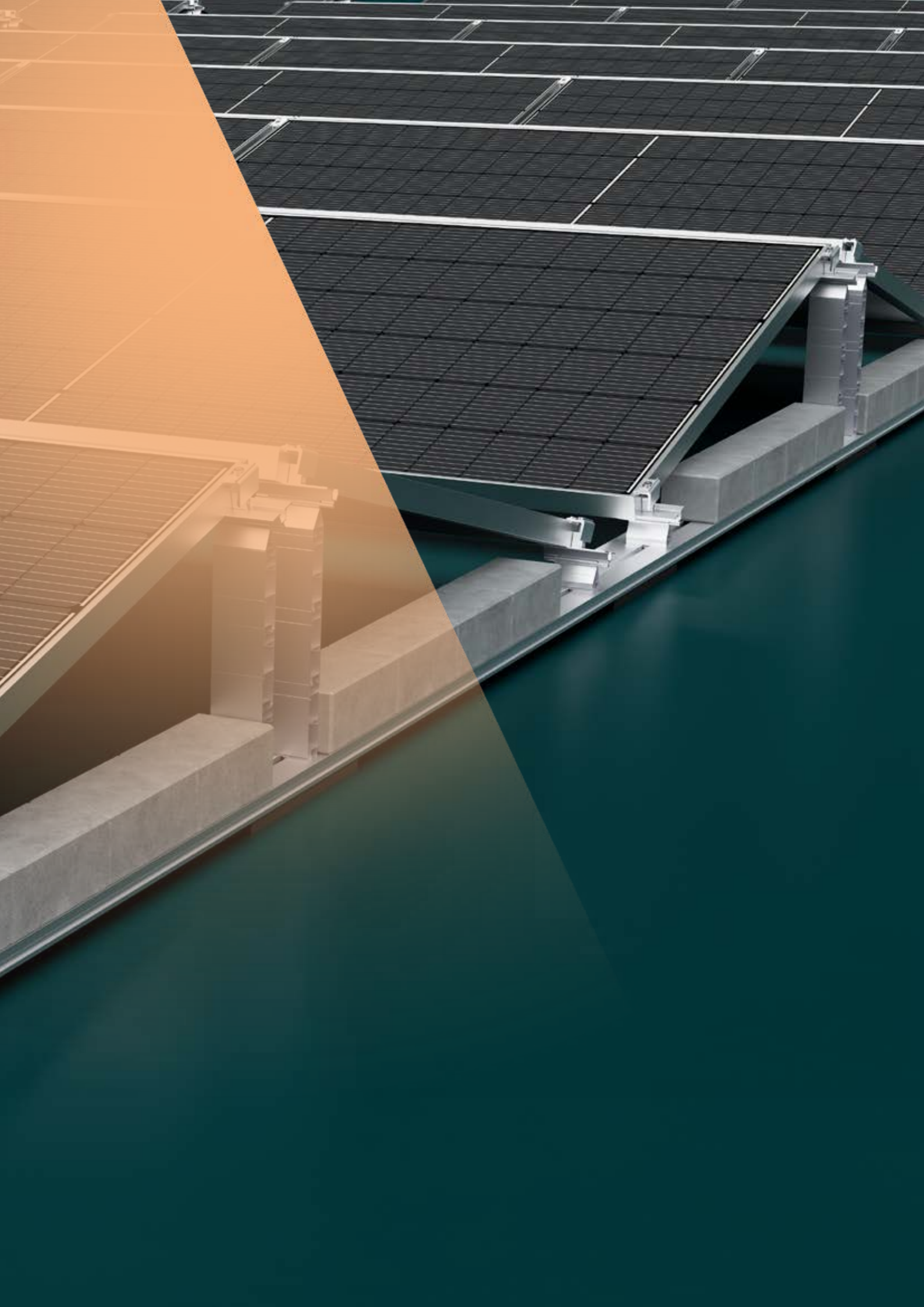
Deutsches
Institut
für
Bautechnik



FLAT ROOF SYSTEMS

BALLASTED SOLUTIONS FOR
EVERY STRUCTURE.





FIXGRID PRO



ENDLESS POSSIBILITIES.

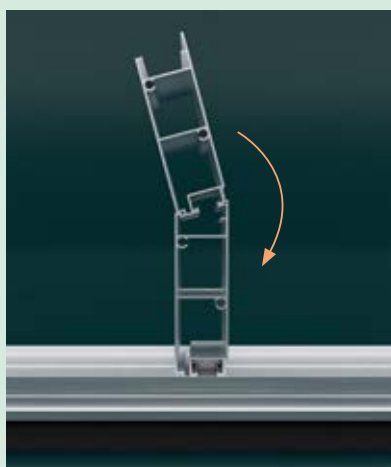
USING FIXGRID PRO, THE
DESIRED TILT ANGLE CAN
BE ACHIEVED WITH JUST
A FEW COMPONENTS.

- + Ballast optimization and reduction through improved aerodynamics
- + Planning and mounting are flexible and time-saving
- + Compatible with the module clamps of our ProLine series
- + Tool-free assembly of the extension elements
- + Modules can be mounted in landscape or portrait orientation; clamping can be performed on the short or long side
- + Possible mounting angles 5°, 10° or 15°, regardless of module clamping, orientation and size
- + Fastening without roof penetration with integrated structural protection
- + Single and double orientation (South and East/West)
- + Lightning current carrying capability
- + Planning, documentation and structural analysis via the Schletter Configurator



PRACTICAL DESIGN

The FixGrid Pro components are designed to be quickly and easily assembled without tools by simply plugging them together. This saves valuable time and labor costs.



HOOK IN

Place Module Support Pro on Elevation Pro at a slight angle.



CLICK IN

..and click in at long side.

FIXGRID PRO PLUS

NEW

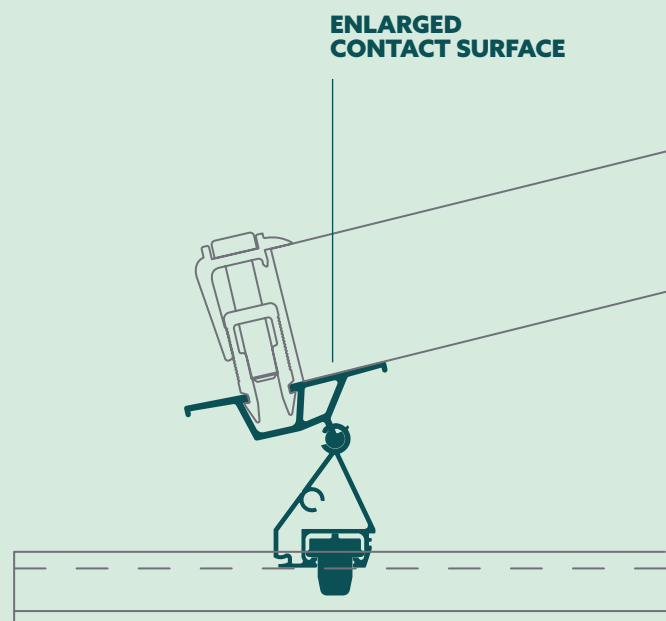
FIXGRID PRO PLUS WITH MODULE SUPPORT FLEX PRO

QUARTER POINT CLAMPING
ON THE LONG SIDE EVEN
UNDER INCREASED LOADS.

The new Module Support Flex Pro enables quarter-point clamping on the long side even under increased wind and snow loads.

Clamping at the module corner may not be possible with large modules due to the high loads expected. The Module Support Flex Pro allows clamping at the quarter point (i.e. FixGrid Pro Plus).

The system's load-bearing capacity benefits from the enlarged contact surface of the asymmetrical rotary head. The Module Support Flex Pro can also be used in standard systems with corner clamping.



FLAT ROOF BALLASTED

ELEVATED PROLINE SYSTEMS



FIXGRID PRO

SINGLE- OR DOUBLE-SIDED ELEVATED SYSTEM
WITH UP TO 15° MODULE INCLINATION

- Material: aluminum, stainless steel connection elements
- Fastening without roof penetration
- Surface protection mat made of rubber granulate with aluminum Triplex lamination on the underside to prevent softener migration
- Module pitch in 5°/10°/15° with variable module clamping and configuration

Base rails FixGrid Pro, FlatGrid Pro

165001-01500	Base Rail Pro 1500 mm	PU: 100	LU: 100
165001-02500	Base Rail Pro 2500 mm	PU: 100	LU: 100
165001-03500	Base Rail Pro 3500 mm	PU: 100	LU: 100
165001-04500	Base Rail Pro 4500 mm	PU: 100	LU: 100
165001-06000	Base Rail Pro 6000 mm	PU: 100	LU: 100

129200-001	Connector Base Rail Pro	PU: 70	LU: 5,600
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2 inside connectors are required for each connection.

Module support

165005-001	Screw-In Module Support Pro For installation on Base Rail Pro	PU: 25	LU: 2,800
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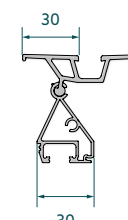
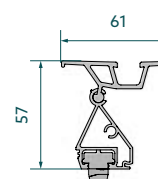
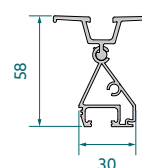
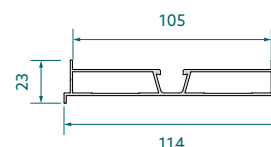
165005-004	Module Support Pro For installation on Screw-In and Elevation Pro	PU: 25	LU: 2,800
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165005-007	Screw-In Module Support Flex Pro For installation on the Base Rail Pro	PU: 20	LU: 2,240
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Optimized for use in FixGrid Pro green roofs & FixGrid Pro Plus

165005-008	Module Support Flex Pro For installation on Screw-In and Elevation Pro	PU: 20	LU: 2,240
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Optimized for use in FixGrid Pro green roofs & FixGrid Pro Plus



FLAT ROOF BALLASTED

ELEVATED PROLINE SYSTEMS

Heightening element

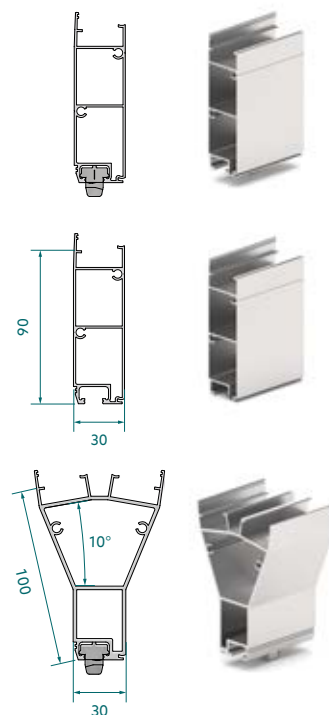
165005-002	Screw-In Elevation Pro For installation on Base Rail Pro	PU: 25	LU: 2,800
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165005-003	Elevation Pro For installation on Screw-In and Elevation Pro	PU: 25	LU: 2,800
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The quantity of the heightening elements varies depending on the elevation angle: 1 piece = 5°, 2 pieces = 10°, 3 pieces = 15°

165005-100	FixGrid 100 Pro Screw-In Center Base For installation on the Base Rail Pro	PU: 25	LU: 1,200
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The FixGrid 100 Pro Screw-In Center Base is designed for an elevation angle of 10°.



169008-006	FixGrid Pro screw-in tool	PU: 2	LU: 224
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For easier assembly of the screw-in module supports and screw-in heightening elements.



Ballast and composite rails

165002-01600	Pro ballast + composite rail 1600 mm	PU: 133	LU: 133
165002-02000	Pro ballast + composite rail 2000 mm	PU: 133	LU: 133
165002-02350	Pro ballast + composite rail 2350 mm	PU: 133	LU: 133
165002-02700	Pro ballast + composite rail 2700 mm	PU: 133	LU: 133
165002-06000	Pro ballast + composite rail 6000 mm	PU: 133	LU: 133

129200-002	Connector Ballast Rail Pro	PU: 40	LU: 3,200
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165001-00550	Base Rail Pro 550	PU: 25	LU: 800
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As intermediate support for Pro ballast + composite rail

129063-002	RapidConnect90	PU: 100	LU: 5,200
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Base rail connector to ballast and composite rail





Ballast shaft

169020-100**	Ballast Tray Pro	PU: 150	LU: 150
169020-001**	End Plate Ballast Tray Pro	PU: 20	LU: 6,400
169200-000**	Wedge Clamp Ballast Tray Pro	PU: 10	LU: 11,200

2 clamping wedges are required per Ballast Tray Pro.

** Item will be discontinued. Available while stocks last.



Building protection mats

169004-003	Surface protection mat 300 x 110 x 20 mm AK SK	PU: 25	LU: 900
169004-008***	Surface protection mat 300 x 110 x 20 mm FH AK SK	PU: 25	LU: 900

AK (aluminum-laminated), SK (self-adhesive), FH (flame-retardant)

*** On request. Please note longer delivery times.



Windsafe sheet metal

169205-135	Pro Windsafe 5 up to 1350 mm module	PU: 50	LU: 50
169205-180	Pro Windsafe 5 up to 1800 mm module	PU: 50	LU: 50
169205-215	Pro Windsafe 5 up to 2150 mm module	PU: 50	LU: 50
169205-250	Pro Windsafe 5 up to 2500 mm module	PU: 50	LU: 50
169210-135	Pro Windsafe 10 up to 1350 mm module	PU: 50	LU: 50
169210-180	Pro Windsafe 10 up to 1800 mm module	PU: 50	LU: 50
169210-215	Pro Windsafe 10 up to 2150 mm module	PU: 50	LU: 50
169210-250	Pro Windsafe 10 up to 2500 mm module	PU: 50	LU: 50
169215-135	Pro Windsafe 15 up to 1350 mm module	PU: 50	LU: 50
169215-180	Pro Windsafe 15 up to 1800 mm module	PU: 50	LU: 50
169215-215	Pro Windsafe 15 up to 2150 mm module	PU: 50	LU: 50
169215-250	Pro Windsafe 15 up to 2500 mm module	PU: 50	LU: 50



943001-232	Thin sheet metal bolt 6.0 x 22 A2 with oZ sealing washer	PU: 100
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Fastening bolts for Windsafe sheet metal

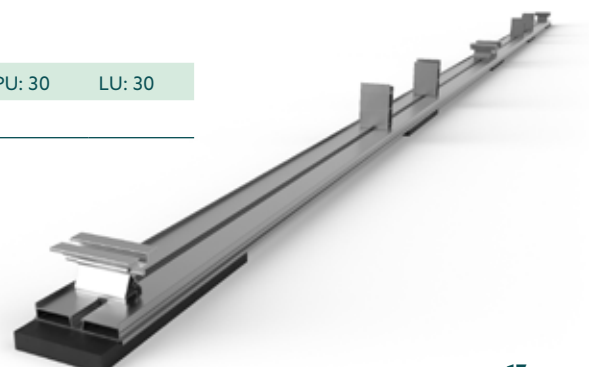


163000-400	FixGrid Pro Kit East/West	PU: 30	LU: 30
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All the features and benefits of the FixGrid Pro in a practical, pre-assembled kit.

INFORMATION:

The kits consist of the required rails, building protection mats as well as the Screw-In Module Support Pro and the Screw-In Elevation Pro. This optimizes the pre-planning and logistics for the construction site and facilitates on-site assembly.





NEW

FIXGRID PRO GREEN ROOF

USING THE SUPPORT SHEETS, FIXGRID PRO CAN BE TRANSFORMED INTO A GREEN ROOF SYSTEM IN NO TIME.

The Pro extension elements allow for different installation heights. But what if an extra high ground clearance is required, e.g. for green roof systems?

With the help of FixGrid Pro support sheets, the extension elements can be stiffened to such an extent that stability is guaranteed even at a height of up to 35 cm, even under extreme conditions.

- + Material-efficient use of the support sheets, only needed on the lower side of the support
- + 2 different versions allow for: 5°, 10° and 15° tilt angles



FLAT ROOF BALLASTED

ELEVATED PROLINE SYSTEMS

Support sheets			
165005-005	FixGrid Pro Support sheet 2 For bracing in case of 2 elevation elements.	PU: 45	LU: 2,160
165005-006	FixGrid Pro Support sheet 3 For bracing in case of 3 elevation elements.	PU: 30	LU: 1,440

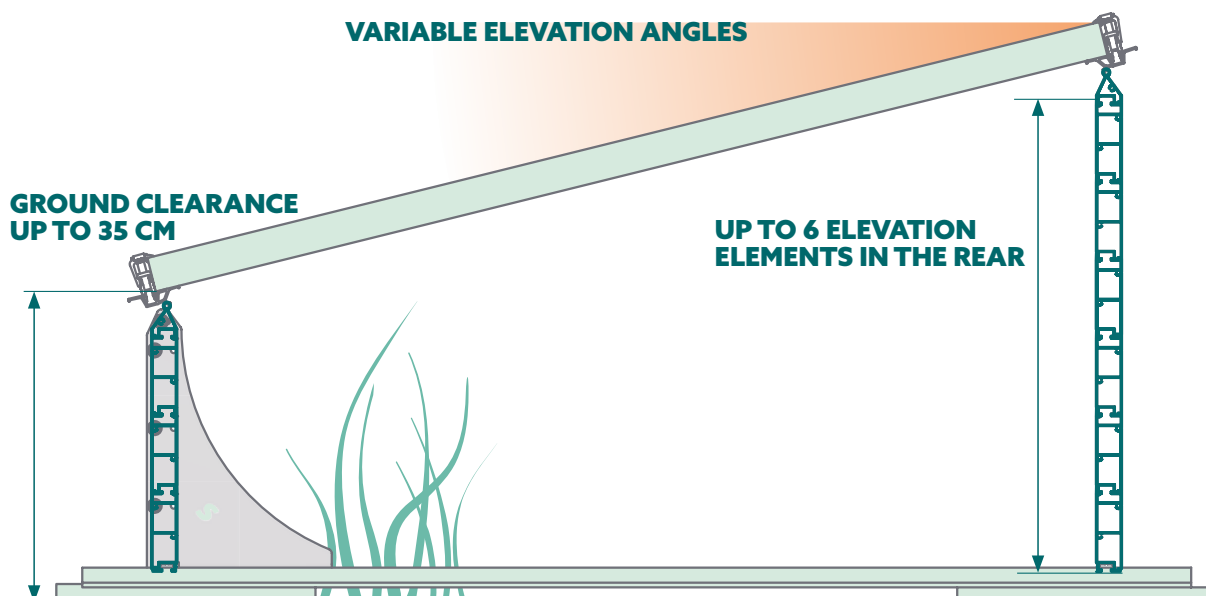
INFORMATION:

The support sheets are fastened at each lower support; the upper side does not require a support sheet.



Accessories for support sheets			
943001-238	Half-round bolt M8 x 16, DIN 34805-2, Torx 40, A2, with locking teeth and Gleitmo coating	PU: 100	
942000-902	Pro hammerhead nut	PU: 100	LU: 9,600
943000-360	6.0 x 25 A2 thin sheet metal bolt with sealing washer	PU: 100	

3 thin sheet bolts are required per support sheet 2.
4 thin sheet bolts are required per support sheet 3.



FLAT ROOF BALLASTED

ELEVATED CLASSIC SYSTEMS



FIXGRID 18

FLAT ROOF SYSTEM SUPPORTED ON ONE OR BOTH SIDES

- Material: aluminum, stainless steel connection elements
- Fastening without roof penetration
- Surface protection mat made of rubber granulate with aluminum Triplex lamination on the underside to prevent softener migration
- Module pitch in approx. 5°/10°/13° with variable configuration

Building protection mats

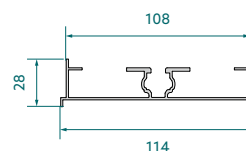
169004-003	Surface protection mat 300 x 110 x 20 mm AK SK	PU: 25	LU: 900
169004-008***	Surface protection mat 300 x 110 x 20 mm FH AK SK	PU: 25	LU: 900

AK (aluminum-laminated), SK (self-adhesive), FH (flame-retardant)

*** On request. Please note longer delivery times.

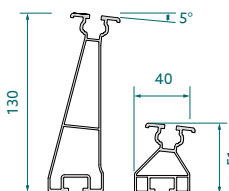
Base rail FixGrid, FlatGrid

128039-006	Base rail for FlatGrid 6000 mm	PU: 100	LU: 100
128039-203	Base rail for FlatGrid 2150 mm	PU: 100	LU: 100
128039-214	Base rail for FlatGrid 4200 mm	PU: 100	LU: 100
128039-215	Base rail for FlatGrid 6300 mm	PU: 100	LU: 100



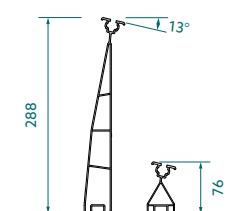
Modular mounting rails FixZ-7

121001-04400	FixZ-7 system rail18 upper 4400 mm	PU: 50	LU: 50
121001-05500	FixZ-7 system rail18 upper 5500 mm	PU: 50	LU: 50
121010-04400	FixZ-7 system rail18 lower 4400 mm	PU: 120	LU: 120
121010-05500	FixZ-7 system rail18 lower 5500 mm	PU: 120	LU: 120



Modular mounting rails FixZ-15

121008-04400	FixZ-15 system rail18 upper 4400 mm	PU: 20	LU: 20
121008-05500	FixZ-15 system rail18 upper 5500 mm	PU: 20	LU: 20
121009-04400	FixZ-15 system rail18 lower 4400 mm	PU: 84	LU: 84
121009-05500	FixZ-15 system rail18 lower 5500 mm	PU: 84	LU: 84



FixZ rails pieces incl. FixGrid screw-in connector

163900-011	FixZ-7 system rail upper 96 mm with connector	PU: 25	LU: 1,200
163900-012	FixZ-7 system rail lower 96 mm with connector	PU: 25	LU: 1,200
163900-021	FixZ-10 system rail upper 96 mm with connector	PU: 25	LU: 600
163900-022	FixZ-10 system rail lower 96 mm with connector	PU: 25	LU: 1,200
163900-023	FixZ-10 system rail center 96 mm with connector	PU: 25	LU: 200
163900-001	FixZ-15 system rail upper 96 mm with connector	PU: 25	LU: 600
163900-002	FixZ-15 system rail lower 96 mm with connector	PU: 25	LU: 1,200
163900-003	FixZ-15 system rail center 96 mm with connector	PU: 25	LU: 200



ALTERNATIVE

Flat roofs with elevation can be implemented using FixGrid Pro (p. 12)



Ballast shafts			
169020-170	FixGrid ballast shaft up to 1700 mm	PU: 50	LU: 50
169020-210	FixGrid ballast shaft up to 2067 mm	PU: 50	LU: 50
169020-240	FixGrid ballast shaft up to 2400 mm	PU: 50	LU: 50
169020-000	FixGrid end plate ballast shaft only for 169020-240	PU: 20	LU: 11,200

FixZ Windsafe			
169018-170	FixZ-7 Windsafe up to 1700 mm	PU: 50	LU: 50
169018-210	FixZ-7 Windsafe up to 2067 mm	PU: 50	LU: 50
169017-170	FixZ-10 Windsafe up to 1700 mm	PU: 50	LU: 50
169017-210	FixZ-10 Windsafe up to 2067 mm	PU: 50	LU: 50
169017-240	FixZ-10 Windsafe up to 2400 mm	PU: 50	LU: 50
169019-170	FixZ-15 Windsafe up to 1700 mm	PU: 50	LU: 50
169019-210	FixZ-15 Windsafe up to 2067 mm	PU: 50	LU: 50
169019-240	FixZ-15 Windsafe up to 2400 mm	PU: 50	LU: 50

Rail connector			
129002-002	E Solo, SoloPlus, FixZ-7, FixZ-15 connector, pre-assembled	PU: 100	LU: 2,400

129019-011	Additional connector for FixZ-15 top	PU: 100	LU: 22,400
943001-232	Thin sheet metal bolt 6.0 x 22 A2 with oZ sealing washer	PU: 100	

1 additional connector and 2 sheet metal bolts are required per connection.

129063-000	Rapid cross connector Completely pre-assembled for Klicknut M8	PU: 200	LU: 4,800
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Connectors			
129062-021	Tension connector	PU: 100	LU: 2,400

2 tension connectors per connection are needed.

129061-001	Ridge connector set	PU: 50	LU: 1,200
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Accessories for tension, and ridge connectors for FixGrid Classic			
943000-025	Allen bolt M8 x 20, DIN EN ISO 4762, A2 with locking teeth and Gleitmo coating	PU: 100	
943000-043	Large washer M8, DIN EN ISO 7093-1, A2	PU: 100	
943914-008	Square nut M8	PU: 100	
129010-008	KlickIn click-in component for M8 nut	PU: 100	LU: 96,000





FLATGRID PRO

NUMEROUS ASSEMBLY VARIANTS THANKS TO THE MODULAR SYSTEM.

A STREAMLINED
COMPONENT RANGE
ALLOWS FOR EASY
ASSEMBLY AND SIMPLIFIED
WAREHOUSING.

- + For flat roofs with slopes up to 10°
- + Easy to assemble thanks to fewer components and tools
- + Fastening without roof penetration with integrated structural protection
- + Portrait and landscape module alignment
- + Clamping at the long and short module side
- + Compatible with the module mounting rails and clamps of the ProLine series
- + Simplified warehousing thanks to fewer components
- + Ballast optimization and reduction through improved aerodynamics
- + Lightning current carrying capability



BUILDING PROTECTION

Protecting the sealing is of utmost priority in flat roof construction. To completely rule out damage from the PV system, building protection mats made of rubber granulate are used as the base.

Lamination with an aluminum triplex film on the underside of the mats prevents plasticizer migration between non-rubber-compatible sealing films and the protective layer.

SCREW-IN RAIL

The simple installation of the Pro70 screw-in rail enables quick system setup on flat roofs.

For uneven roofs, the adjustable Rapid Pro L angle connector provides height compensation of up to 30 mm.

BALLASTING

The system offers several options for ballasting. It can be done using ballast stones placed in the base rails.

Additionally, ballast stones can be placed between the base rails in ballast trays if more ballast is needed at specific points due to high wind loads, e.g. in edge and corner areas.

FLAT ROOF BALLASTED

ROOF PARALLEL SYSTEMS PROLINE



FLATGRID PRO

FOR ROOFS WITH SLOPES UP TO 10°

- Material: aluminum, stainless steel connection elements
- Fastening without roof penetration
- Surface protection mat made of rubber granulate with aluminum Triplex lamination on the underside to prevent softener migration

Base rails FlatGrid Pro, FixGrid Pro			
165001-01500	Base Rail Pro 1500 mm	PU: 100	LU: 100
165001-02500	Base Rail Pro 2500 mm	PU: 100	LU: 100
165001-03500	Base Rail Pro 3500 mm	PU: 100	LU: 100
165001-04500	Base Rail Pro 4500 mm	PU: 100	LU: 100
165001-06000	Base Rail Pro 6000 mm	PU: 100	LU: 100

129200-001	Connector Base Rail Pro	PU: 70	LU: 5,600
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2 inside connectors are required for each connection.

Connectors			
119026-122	Rapid Pro L angle connector	PU: 100	LU: 6,400

Dimensions please refer to p. 65

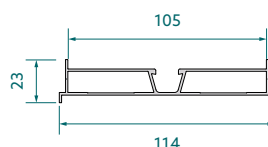
129062-021	Tension connector	PU: 100	LU: 2,400
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2 tension connectors per connection are needed.

129061-001	Ridge connector set	PU: 50	LU: 1,200
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Accessories for angle, tension, and ridge connectors for FlatGrid Pro			
943001-238	Half-round bolt M8 x 16, DIN 34805-2, Torx 40, A2, with locking teeth and Gleitmo coating	PU: 100	
942000-902	Pro hammerhead nut	PU: 100	LU: 9,600



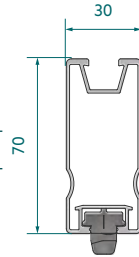


Modular mounting rails Pro

120020-00100	Pro35 100 mm module support rail	PU: 100	LU: 4,800
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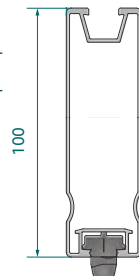
120022-000	Screw-in rail Pro70	PU: 100	LU: 2,400
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120023-000*	Screw-In rail Pro100	PU: 70	LU: 1,680
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Sufficient height for standard concrete blocks for ballasting

*available from Q3/2026



Ballast shaft

169020-100**	Ballast Tray Pro	PU: 150	LU: 150
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169020-001**	End Plate Ballast Tray Pro	PU: 20	LU: 6,400
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169200-000**	Wedge Clamp Ballast Tray Pro	PU: 10	LU: 11,200
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2 clamping wedges are required per Ballast Tray Pro.

** Item will be discontinued. Available while stocks last.



Building protection mats

169004-003	Surface protection mat 300 x 110 x 20 mm AK SK	PU: 25	LU: 900
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169004-008***	Surface protection mat 300 x 110 x 20 mm FH AK SK	PU: 25	LU: 900
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AK (aluminum-laminated), SK (self-adhesive), FH (flame-retardant)

*** On request. Please note longer delivery times.



FLAT ROOF BALLASTED

ROOF PARALLEL SYSTEMS CLASSIC

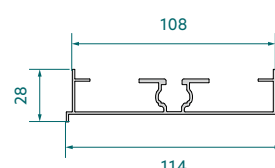


FLATGRID CLASSIC

FOR ROOFS WITH SLOPES UP TO 10°

- Material: aluminum, stainless steel connection elements
- Fastening without roof penetration
- Surface protection mat made of rubber granulate with aluminum Triplex lamination on the underside to prevent softener migration

Base rail FlatGrid Classic			
128039-006	Base rail for FlatGrid 6000 mm	PU: 100	LU: 100
128039-203	Base rail for FlatGrid 2150 mm	PU: 100	LU: 100
128039-214	Base rail for FlatGrid 4200 mm	PU: 100	LU: 100
128039-215	Base rail for FlatGrid 6300 mm	PU: 100	LU: 100



129078-001	Interior connector FlatGrid	PU: 50	LU: 2,400
943001-232	Thin sheet metal bolt 6.0 x 22 A2 with oZ sealing washer	PU: 100	

2 inside connectors and 4 thin metal sheet bolts are required for each connection.



Connectors			
119026-122	Rapid Pro L angle connector	PU: 100	LU: 6,400

Dimensions please refer to p. 65



129062-021	Tension connector	PU: 100	LU: 2,400
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2 tension connectors per connection are needed.



129061-001	Ridge connector set	PU: 50	LU: 1,200
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Accessories for angle, tension, and ridge connectors for FlatGrid Classic			
943000-025	Allen bolt M8 x 20, DIN EN ISO 4762, A2 with locking teeth and Gleitmo coating	PU: 100	
943000-043	Large washer M8, DIN EN ISO 7093-1, A2	PU: 100	
943914-008	Square nut M8	PU: 100	
129010-008	KlickIn click-in component for M8 nut	PU: 100	LU: 96,000





Building protection mats

169004-003	Surface protection mat 300 x 110 x 20 mm AK SK	PU: 25	LU: 900
169004-008***	Surface protection mat 300 x 110 x 20 mm FH AK SK	PU: 25	LU: 900

AK (aluminum-laminated), SK (self-adhesive), FH (flame-retardant)
 *** On request. Please note longer delivery times.

Other accessories

169017-000	Loading Tray for Base Rail	PU: 50	LU: 400
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169004-013	Surface protection mat 230 x 110 x 8 mm (laminated)	PU: 100	LU: 3,000
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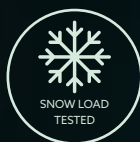


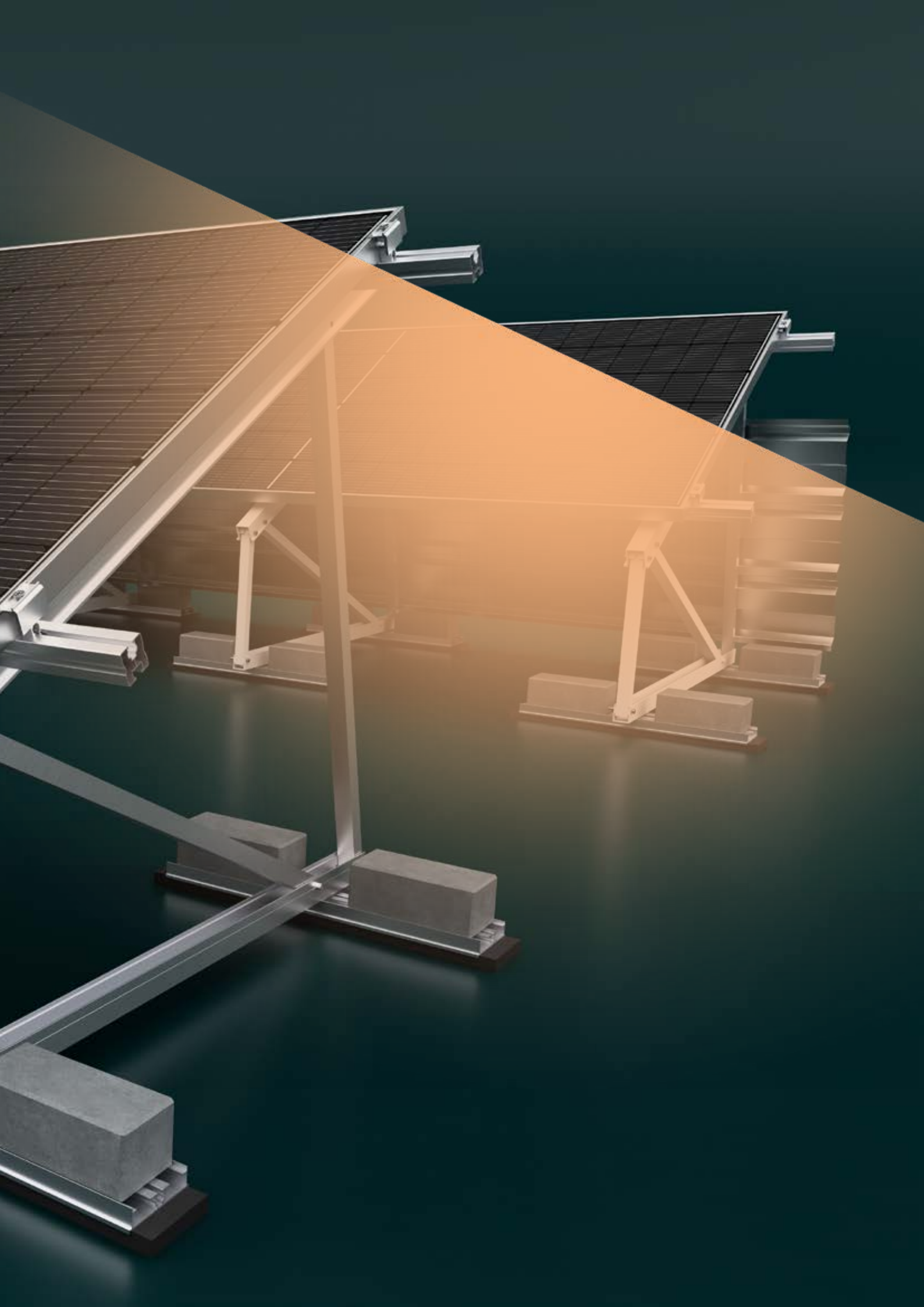
ALTERNATIVE

Flat roofs can be implemented using FlatGrid Pro (p. 22)

SUPPORT SYSTEMS

- FLAT ROOF
- FACADE
- GREEN ROOF
- ACCESSORIES





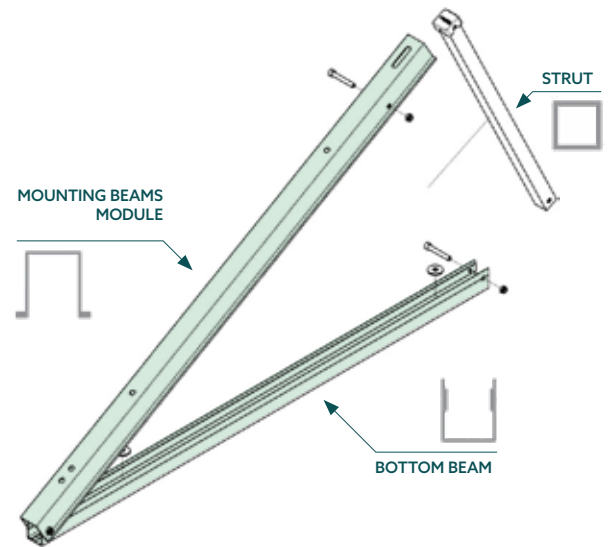
BEAM KITS

SUPPORTS

The pre-assembled support beam kit consist of the floor support and the assembly support module.
To complete the beam kits, struts and fastening materials are needed.

PLEASE NOTE: Possible mounting positions of the module support rails can be found in the respective dimension tables (dimensions c, d, e). Observe the specifications of the module manufacturer.

PLEASE NOTE: For all types of flat roof fastener, depending on the substrate and fastener, diagonal reinforcement of the support units may be useful. These stiffeners can also be installed on-site if required, e.g. with our mounting perforated strip 16 with a length of 50 m (119015-003).



STRUTS FOR BEAM KIT

— Material: aluminum 3.3206 / EN AW 6060-T6 and end cap PA (Polyamid)

159005-001	Strut with end cap 338 mm	PU: 50	LU: 1,200
159005-002	Strut with end cap 428 mm	PU: 100	LU: 800
159005-003	Strut with end cap 520 mm	PU: 100	LU: 800
159005-004	Strut with end cap 613 mm	PU: 150	LU: 600
159005-005	Strut with end cap 700 mm	PU: 150	LU: 600
159005-006	Strut with end cap 781 mm	PU: 500	LU: 500
159005-007	Strut with end cap 1359 mm	PU: 400	LU: 400



BEAM KIT SUPPORT MATERIAL

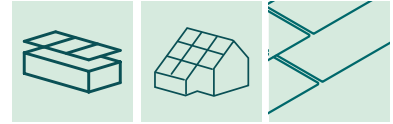
943000-024	Cylinder head hexagon socket bolt M8x55, DIN EN ISO 4762, A2 with Gleitmo coating (2 pieces/strut)	PU: 100
943001-240	Hexagonal self-locking nut M8, DIN EN ISO 7040, A4 (2 pieces/strut)	PU: 500
943000-043	Large washer M8, DIN EN ISO 7093-1, A2 (1 piece/screw-on point bottom support)	PU: 100
943000-056	Large washer M10 DIN EN ISO 7093-1, A2 (1 piece/screw-on point bottom support)	PU: 100



A2 and A4: corrosion-resistant stainless steel

FLAT ROOF

SUPPORT BEAM KITS

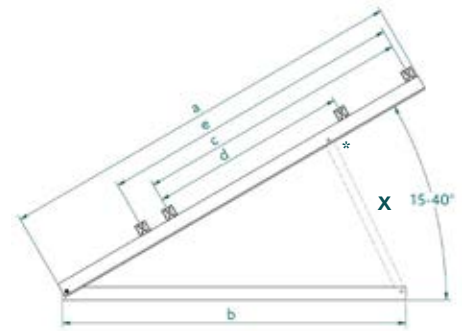


FLAT ROOF BEAM KIT SMALL

FOR MODULE FASTENING WITH CLAMPING ON LONG SIDE

- Material: Aluminum
- Angles of 15° up to 40° are available
- For landscape and portrait module mounting

150002-130	Flat roof support Light 1,3 m beam kit				PU: 100 LU: 100
	a	b	c	d	e
mm	1195	1193	810 - 850	600	997 - 1067

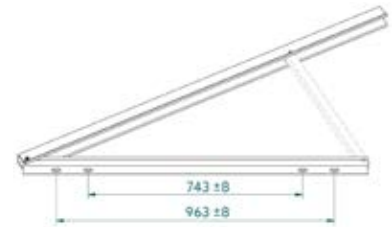


FLAT ROOF BEAM KIT MEDIUM

FOR FASTENING WITH STANDARD MODULE LENGTHS STARTING AT 1.50 M

- Material: Aluminum
- Angles of 15° up to 40° are available
- For landscape and portrait module mounting

150002-150	Flat roof support Light 1,5 m beam kit				PU: 100 LU: 100
	a	b	c	d	e
mm	1445	1193	920 - 960	690	997 - 1067

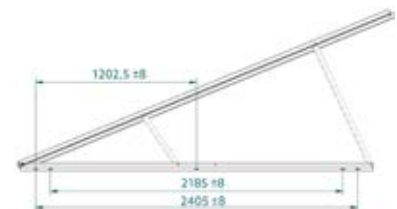
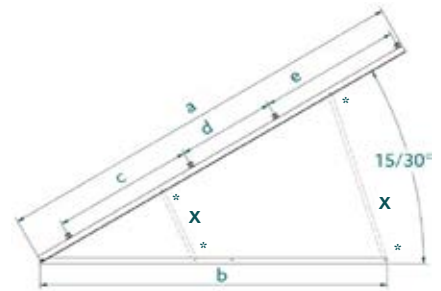


FLAT ROOF BEAM KIT LARGE

FOR LARGE AREA MODULE ASSIGNMENT, E.G. 2 PORTRAIT MODULE ROWS

- Material: Aluminum
- Angles of 15° or 30° are available
- For landscape and portrait module mounting

155002-320	Flat roof support Light 3,2 m beam kit				PU: 100 LU: 100
	a	b	c	d	e
mm	3195	2635	1080	733	1072



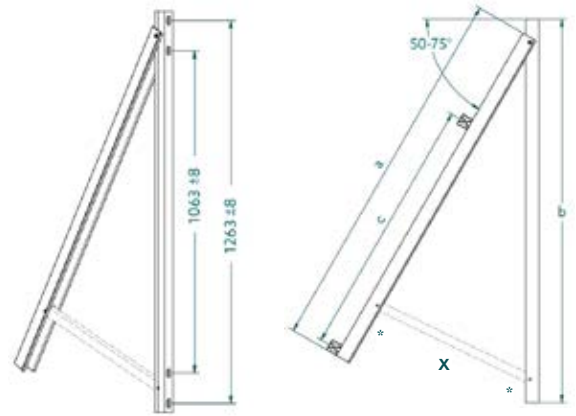
FLAT ROOF STRUT TABLE

	15°	20°	25°	30°	35°	40°
150002-130	159005-001	159005-002	159005-003	159005-004	159005-005	159005-006
150002-150	159005-001	159005-002	159005-003	159005-004	159005-005	159005-006
155002-320	159005-005 159005-001			159005-007 159005-004		

SUPPORT BEAM KITS

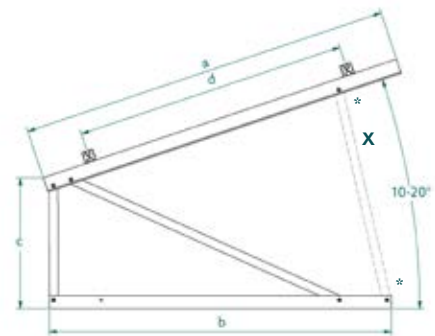
VERTICAL ELEVATION

- | 156002-160 Facade support Light 1.3 m beam kit | | | PU: 100 | LU: 100 |
|--|------|------|---------|---------|
| | a | b | c | |
| mm | 1285 | 1323 | 900 | |

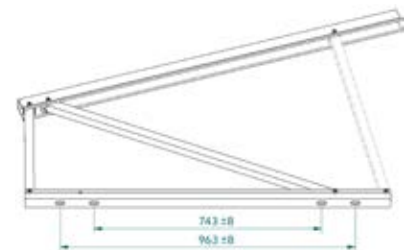


	50°	55°	60°	65°	70°	75°
156002-160	159005-006	159005-005	159005-004	159005-003	159005-002	159005-001

152001-001 Green roof support up to 1.6 m beam kit				PU: 50	LU: 50
	a	b	c	d	
mm	1300	1193	455	950	



	10°	15°	20°
152001-001	159005-004	159005-005	159005-006



Green roofs can be implemented using FlatGrid Pro support plates (p. 18)

ACCESSORIES

SUPPORTS



WEIGHING SET

FOR LOADING WITH CONCRETE BOULDERS AND CONCRETE BLOCKS

- Material: aluminum with surface protection mat



159000-027	Concrete block weighing set18	PU: 100	LU: 100
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Set consisting of 2 aluminum rail pieces including bolts. 1 set is required per support

SOLRACK ALU

FOR WEIGHING, E.G. WITH GRAVEL

- Material: aluminum, thickness: 1 mm
- Area: 0.55 m²
- 2 bolts each, washers and flange nuts are required for each SolRack Alu



160002-001	SolRack AL (1 plate)	PU: 400	LU: 400
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Accessories for SolRack Alu

943610-025**	Bolt M10 x 25 hexagonal DIN 933, A2 with Gleitmo coating	PU: 100
943000-029	M10 x 25 bolt hexagonal DIN EN ISO 4017, A2 with Gleitmo coating	PU: 100
943000-056	Large washer M10, DIN EN ISO 7093-1, A2	PU: 100
943000-022	M10 flange nut with locking teeth, DIN EN 1661, A4 (stainless steel in V4A quality)	PU: 100

A2 and A4: corrosion-resistant stainless steel

** Item will be discontinued. Available while stocks last.



WINDSAFE

REAR WALL PANELING FOR ELEVATED SYSTEMS TO REDUCE WIND LOADS

- Material: Aluminum



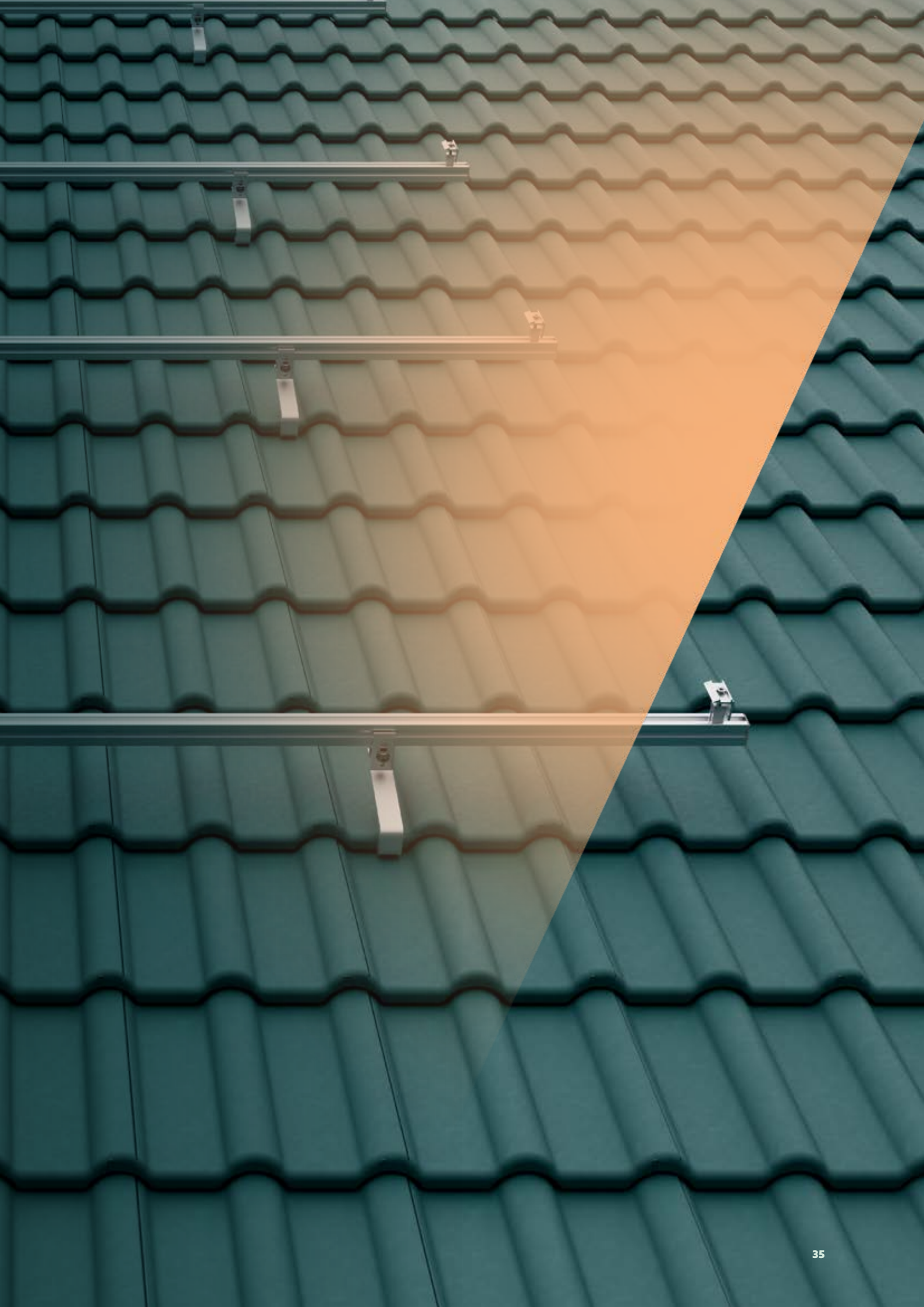
164160-180	Windsafe Vario AL 160 x 1830 mm	PU: 200	LU: 200
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164250-180	Windsafe Vario AL 250 x 1830 mm	PU: 200	LU: 200
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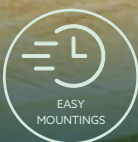
PITCHED ROOF

ROOF-PENETRATING FIXINGS FOR
PITCHED ROOFS.





TILE ROOF



21

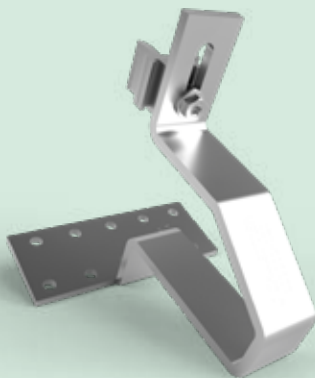
ROOF HOOKS FOR EVERY CONCEIVABLE SITUATION.

EXTREMELY DURABLE, EASY TO INSTALL,
AND HIGHLY RESILIENT.

Schletter roof hooks are highly durable, quick and easy to install, and can be used on all common roof and tile types. They also have optimized geometries to prevent tile breakage.

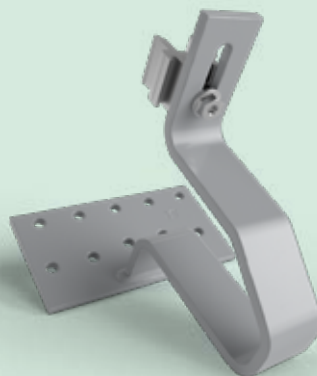
Depending on the requirements, they are designed for high snow or wind loads so that the material requirements can be calculated efficiently.

- + Roof hook for all common tile types
- + Compatible with all Classic and ProLine rails
- + High-quality materials
- + Adaptable to all structural conditions



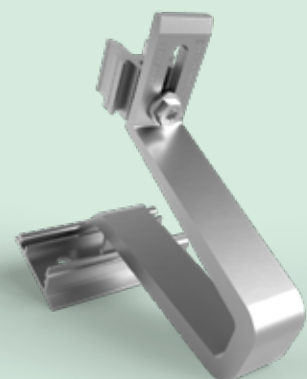
STAINLESS STEEL ROOF HOOK

Versatile, robust, welded stainless steel.



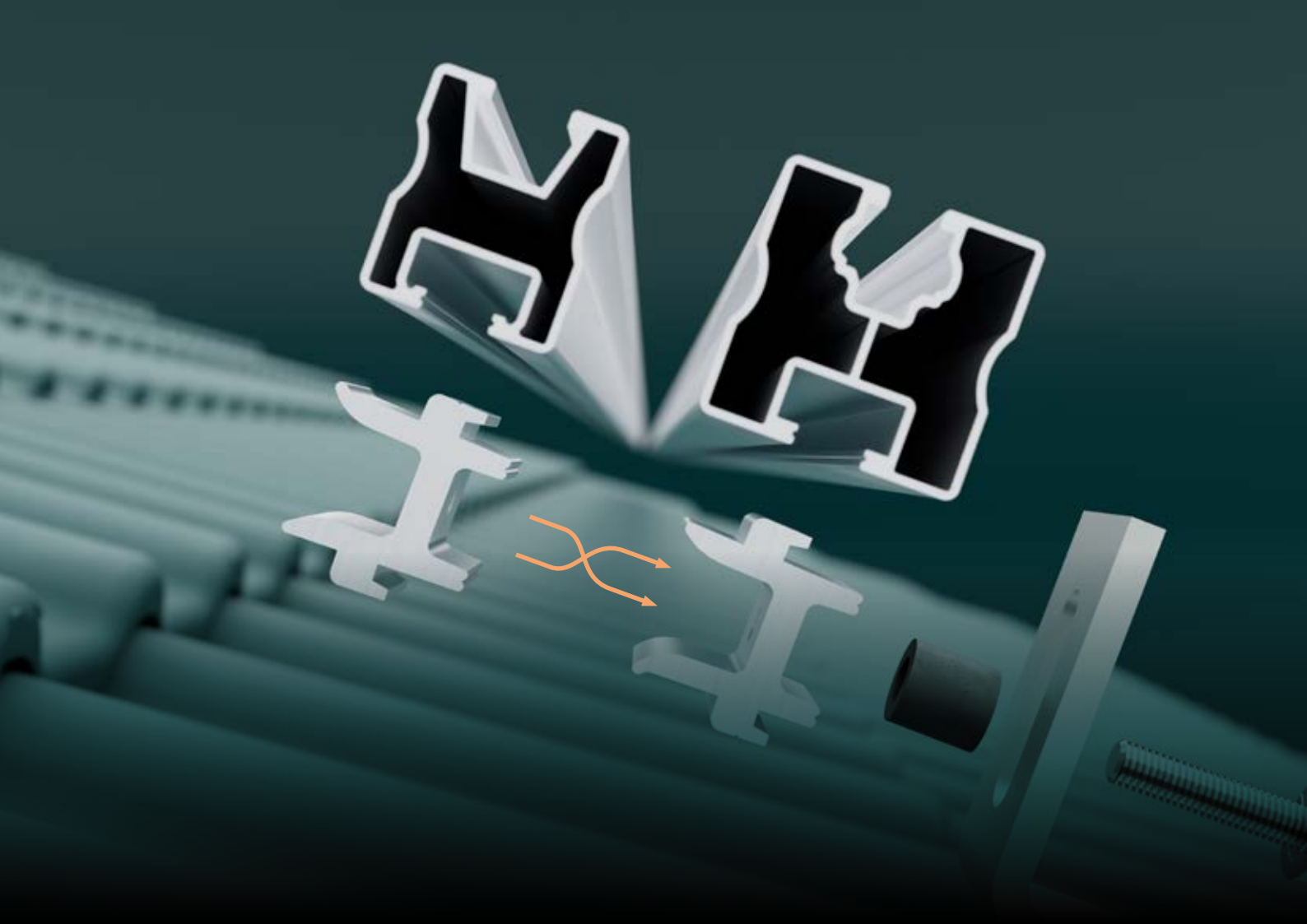
ROOF HOOKS MADE OF HIGH-STRENGTH STEEL

Welded hooks with a protective zinc flake coating are the ideal solution for heavy snow loads.



ROOF HOOKS MADE OF ALUMINUM

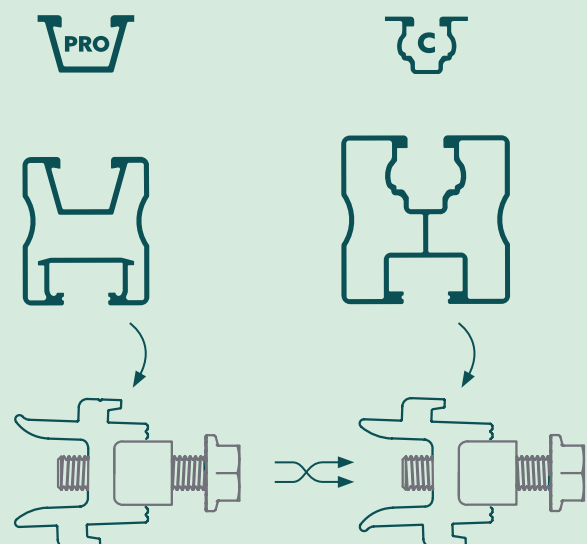
Lightweight, economical, and efficient.



THE RAPID EXTENSION

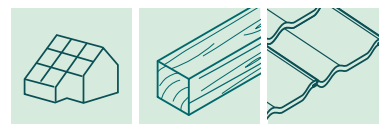
All Rapid roof hooks are pre-assembled with a multi-adapter. By rotating the Rapid attachment, each roof hook can be adapted to both the Classic and ProLine rails.

The Rapid-A series aluminum roof hooks and the Rapid Pro L and Rapid Pro SML connectors are also equipped with the adapter.



STAINLESS STEEL ROOF HOOK

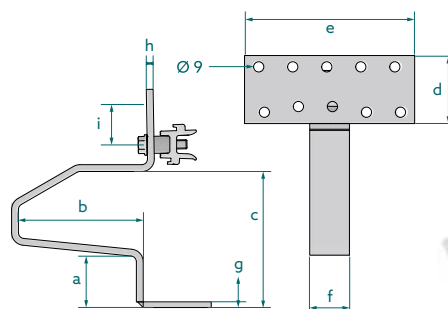
TILE ROOF



RAPID 2+

PRE-ASSEMBLED MULTI-ADAPTER FOR A QUICK RAIL MOUNTING

- Roof hook material: stainless steel
- Welded
- Symmetric bar arrangement
- Compatible with Classic and ProLine rails



101001-020 Rapid ² + Pro 45 roof hooks									PU: 20	LU: 480
	a	b	c	d	e	f	g	h	i	
mm	45	110	118	60	150	35	5	6	30	

101002-020 Rapid ² + Pro 35 roof hooks									PU: 20	LU: 480
	a	b	c	d	e	f	g	h	i	
mm	35	110	108	60	150	35	5	6	30	

101004-020 Rapid ² + Pro roof hooks									PU: 10	LU: 240
	a	b	c	d	e	f	g	h	i	
mm	40-52	110	115-127	74	150	35	5	6	30	

Universal: Height-adjustable and adjustable for vertical rail mounting, with a center bar that can be used in three positions

101005-020 Rapid ² + Pro Max roof hook									PU: 10	LU: 240
	a	b	c	d	e	f	g	h	i	
mm	45	120	125	80	150	35	6	8	30	

Max: Extra strong bar for heavy snow loads

101005-021 Rapid ² + Pro Max 150 roof hook									PU: 10	LU: 240
	a	b	c	d	e	f	g	h	i	
mm	45	150	125	80	150	35	6	8	30	

Max 150: Extra strong and large bar for long tiles overlap

101006-020 Rapid ² + Pro MaxV roof hook									PU: 10	LU: 240
	a	b	c	d	e	f	g	h	i	
mm	45	120	125	80	150	35	6	8	30	

MaxV: For heavy snow loads and adjustable for vertical rail mounting



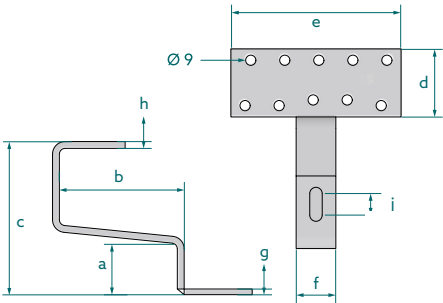
STAINLESS STEEL ROOF HOOK

TILE ROOF

ECO

ROOF HOOK WITH ECONOMIC DESIGN

- Roof hook material: stainless steel
- Welded
- Symmetrical bar arrangement



100004-000 Eco S 135 roof hook									PU: 20	LU: 480
	a	b	c	d	e	f	g	h	j	
mm	45	110	135	60	150	35	5	6	19	

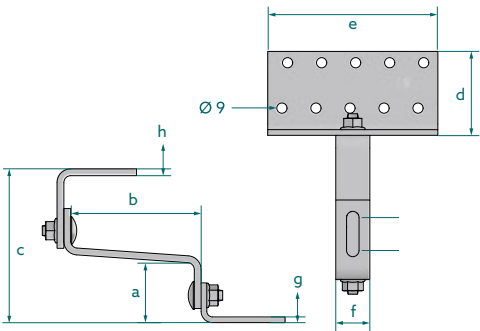
Eco: Cost-effective roof hook without multi-adapter for most applications



ECO UNIVERSAL

ARM HEIGHT AND BAR ARRANGEMENT VARIABLE

- Roof hook material: stainless steel
- Pre-assembled center bar
- Center bar can be used in three positions



100001-000 Universal roof hooks (Frankfurt pantile or interlocking tiles)									PU: 20	LU: 480
	a	b	c	d	e	f	g	h	j	
mm	42-52	115	102-135	74	150	30	5	6	29	



ROOF HOOKS MADE OF HIGH-STRENGTH STEEL

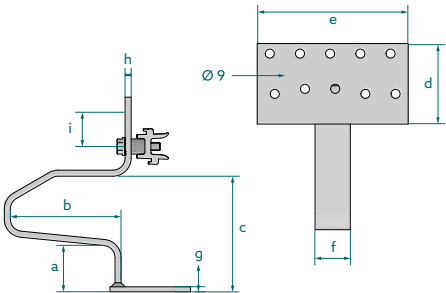
TILE ROOF



RAPID 2+ HSL

FOR VERY HEAVY SNOW LOADS

- Roof hook material: high-strength steel
- Zinc flake coating surface
- Welded
- Symmetrical bar arrangement
- Pre-assembled multi-adapter included



101001-022 Rapid ² + Pro 45 HSL roof hooks										PU: 20	LU: 480
	a	b	c	d	e	f	g	h	i		
mm	45	110	115	80	150	35	5	6	30		

HSL: Extra strong bar for areas with highest snow and wind loads



101005-024 Rapid ² + Pro Max HSL roof hooks										PU: 10	LU: 240
	a	b	c	d	e	f	g	h	i		
mm	45	132	114	80	150	35	6	8	30		

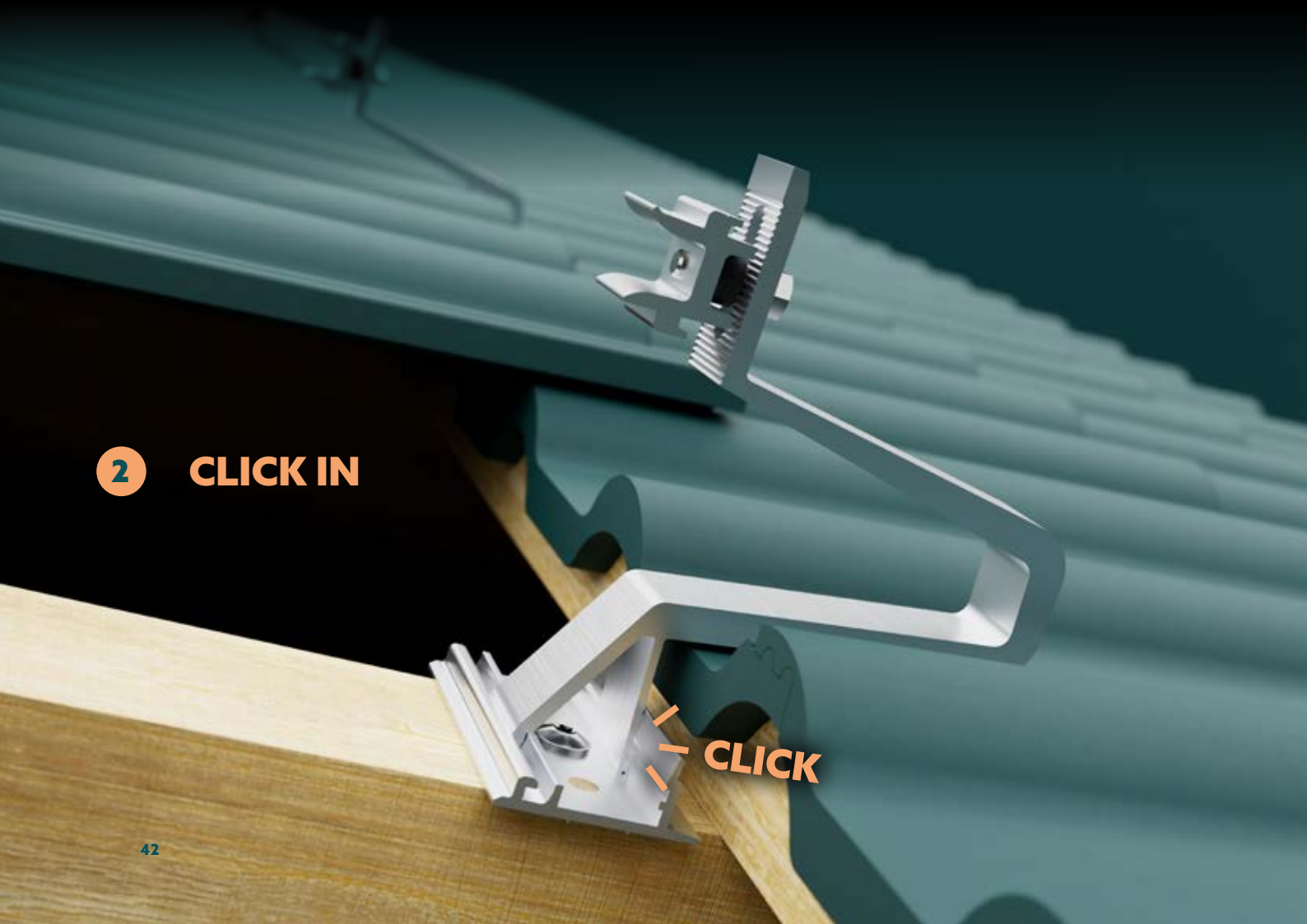
Max HSL: Extra strong and long bar for areas with highest snow and wind loads



1 HOOK IN

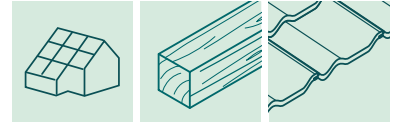


2 CLICK IN



ROOF HOOKS MADE OF ALUMINUM

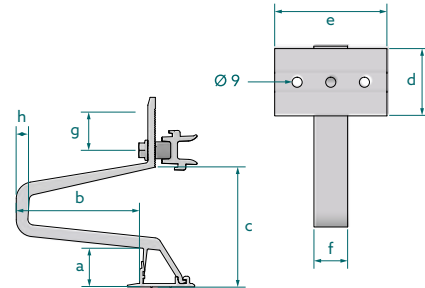
TILE ROOF



ECO-A AND RAPID-A

LIGHT, STABLE, QUICK TO ASSEMBLE

- Roof hook material: aluminum
- Bar can be clicked into place on mounting plate
- Mountable with only one bolt



100020-100 EcoA 45 Max roof hooks								PU: 20	LU: 1,280
	a	b	c	d	e	f	g	h	
mm	45	110	116	60	100	30	-	11.5	

EcoA Max: Cost-effective roof hook without multi-adapter for increased snow load



101020-220 RapidA 35 Pro Max roof hooks								PU: 30	LU: 960
	a	b	c	d	e	f	g	h	
mm	35	110	107	60	100	30	30	11.5	

RapidA Max: With pre-assembled multi-adapter for increased snow load



101020-120 RapidA Pro 45 Max roof hooks								PU: 30	LU: 960
	a	b	c	d	e	f	g	h	
mm	45	110	116	60	100	30	30	11.5	

RapidA Max: With pre-assembled multi-adapter for increased snow load



101024-120 RapidA 45 Pro Universal Max roof hooks								PU: 20	LU: 640
	a	b	c	d	e	f	g	h	
mm	45	110	116	60	100	30	30	11.5	

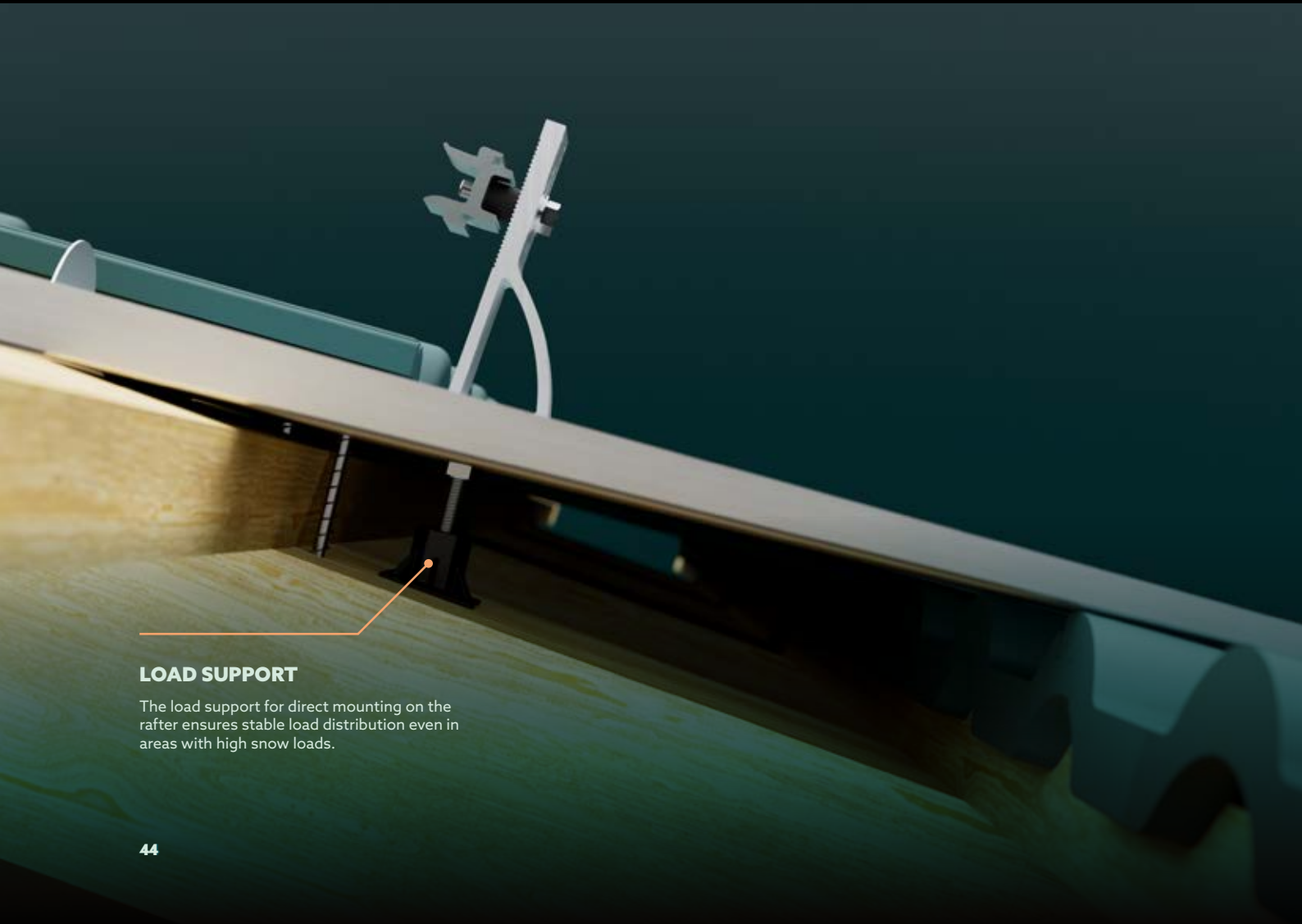
RapidA Universal Max: Adjustable for vertical rail mounting with pre-assembled multi-adapter for increased snow load





SHEET METAL REPLACEMENT TILES

Extensive selection of replacement sheet metal kit tiles for various roof shapes with guide rail for positioning the roof hook connection.

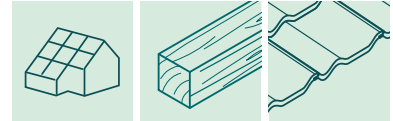


LOAD SUPPORT

The load support for direct mounting on the rafter ensures stable load distribution even in areas with high snow loads.

ROOF HOOK KITS AND SHEET METAL REPLACEMENT TILES

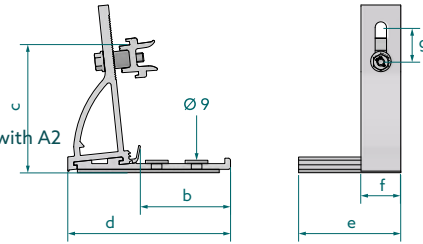
TILE ROOF



ALU-TILE SET

KIT AND SHEET REPLACEMENT TILE REPLACE TILES WITH HOOKS

- Material: roof hooks in aluminum, EPDM bolt seal, load support in plastic with A2 stainless-steel bolt
- Suitable for heavy snow loads
- Consists of roof hook, bolt seals, and load support
- Suitable for horizontal and vertical rail arrangements



103006-020 Alu-tile Pro roof hook set								PU: 10	LU: 480
	a	b	c	d	e	f	g		
mm	-	80	113	144	90	35	30		



SHEET METAL REPLACEMENT TILES

Tile	Item No.	PU: 10	LU: 250
BRAAS			
Frankfurt pantile	103005-003		
Taunus pantile	103005-011		
Harz pantile	103005-022		
Tegalit	103005-025		
Topas 13V	103005-067		
ERLUS			
Interlocking tile	103005-002		
Large interlocking tile	103005-007		
Large interlocking tile XXL	103005-010		
E 58 (not for E 58 S / SL / RS / Max / Plus ..)	103005-015		
Forma	103005-024		
Linea	103005-049		
Reform pantile XXL	103005-057		
ETERNIT			
Heidelberger	103005-006		
CREATON (FORMERLY MEINDL)			
Rustico	103005-004		
Meindl MZ3	103005-184		



Braas Frankfurt pantile



Braas Tegalit



Erlus interlocking tile



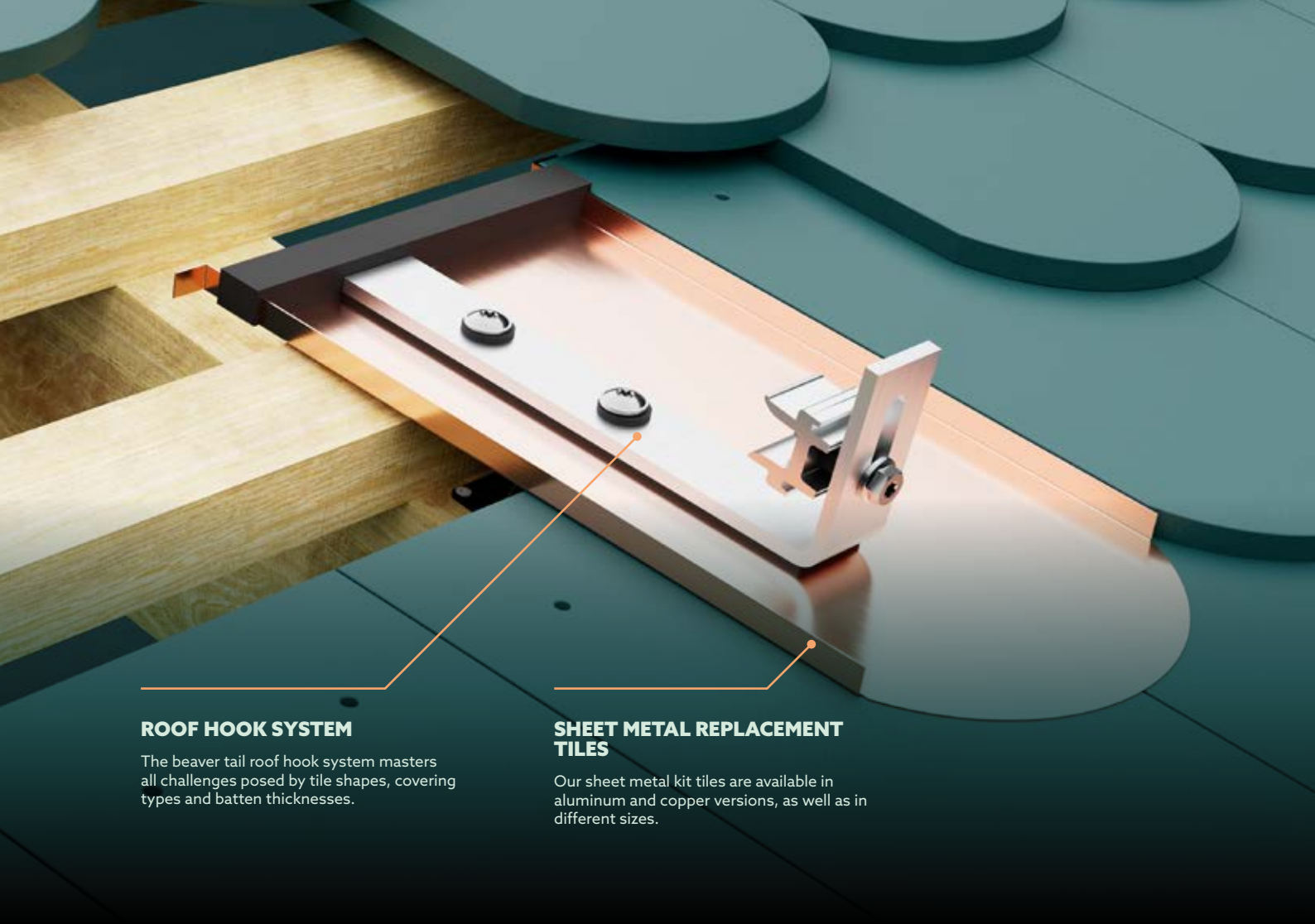
Erlus Forma



Creaton Meindl MZ3

INFORMATION:

Other tile formats available upon request.

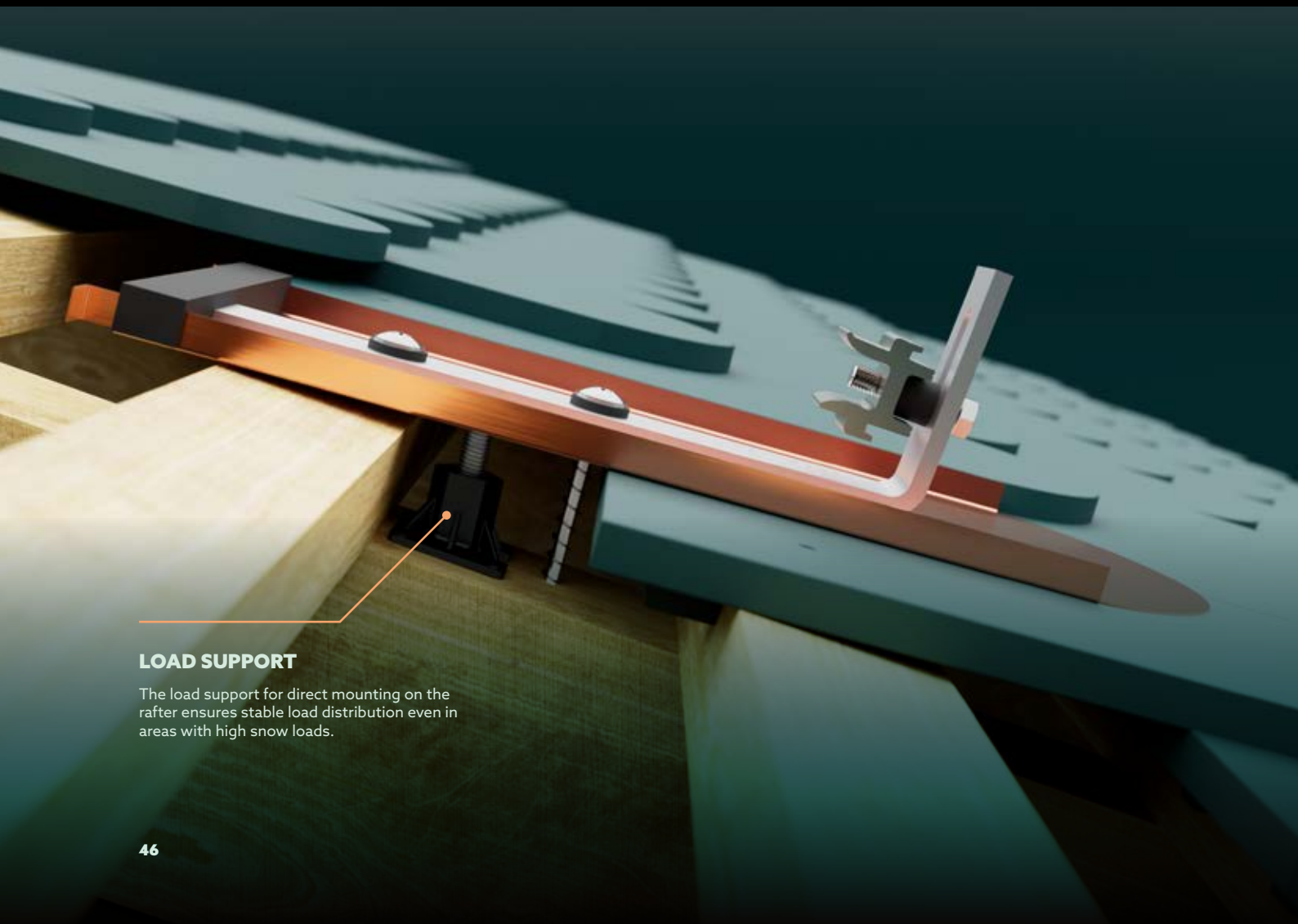


ROOF HOOK SYSTEM

The beaver tail roof hook system masters all challenges posed by tile shapes, covering types and batten thicknesses.

SHEET METAL REPLACEMENT TILES

Our sheet metal kit tiles are available in aluminum and copper versions, as well as in different sizes.

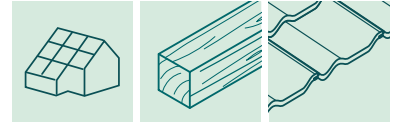


LOAD SUPPORT

The load support for direct mounting on the rafter ensures stable load distribution even in areas with high snow loads.

BEAVER TAIL ROOF HOOK SET

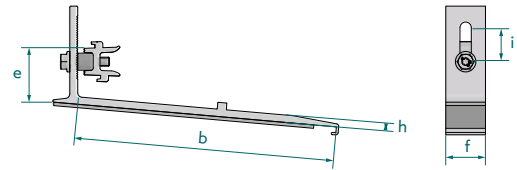
TILE ROOF



BEAVER TAIL SET

KIT AND SHEET REPLACEMENT TILE REPLACE
BEAVER TAIL TILES WITH ROOF HOOKS

- Material: roof hooks in aluminum or stainless steel, EPDM bolt seal, load support in plastic with A2 stainless-steel bolt



109019-020 Roof hooks for RapidPro aluminum beaver tail									PU: 20	LU: 960
	a	b	c	d	e	f	g	h	i	
mm	-	228	-	-	48	35	-	7	30	



109016-007	BEZ Rapid beaver tail AL 180 x 380	PU: 20	LU: 480
109016-009	BEZ Rapid beaver tail AL 170 x 380	PU: 20	LU: 480



109019-022 Roof hooks for RapidPro beaver tail 190 x 400									PU: 20	LU: 960
	a	b	c	d	e	f	g	h	i	
mm	-	250	-	-	50	35	-	6	30	



109016-010	BEZ Rapid beaver tail AL 190 x 400	PU: 20	LU: 480
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109019-021 Roof hooks for RapidPro beaver tail									PU: 20	LU: 960
	a	b	c	d	e	f	g	h	i	
mm	-	232	-	-	50	35	-	6	30	



109016-008	BEZ Rapid beaver tail Cu 180 x 380	PU: 20	LU: 480
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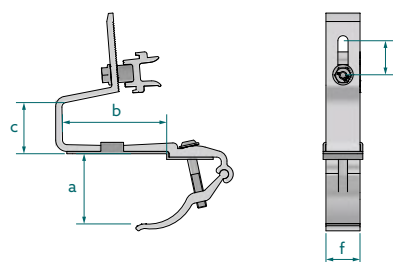


ROOF HOOKS SPECIAL DESIGNS

TILE ROOF

ROOF HOOKS FOR HANGING AT THE ROOF BATTENS

- Material: roof hook in aluminum, molded part made of EPDM
- Fast mounting by clamping to the roof battens
- Protection of the tiles thanks to pre-mounted EPDM molding



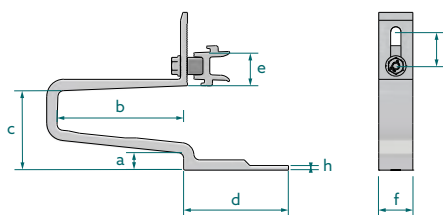
109019-025* Pro-N roof hooks									PU: 30 LU: 720
	a	b	c	d	e	f	g	h	i
mm	35-60	90	-	-	-	30	-	-	30

PLEASE NOTE: The Pro-N roof hooks are currently available in the Netherlands, Belgium, France, and the UK.



ROOF HOOK FOR ROOF WITH INSULATION ROOF ELEMENTS

- Material: roof hooks in aluminum

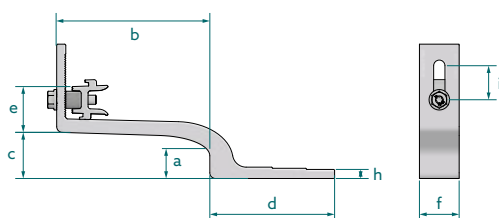


101028--020 RapidA Pro 2L roof hooks									PU: 30 LU: 720
	a	b	c	d	e	f	g	h	i
mm	15	110	70	92	30	30	-	4	30



ROOF HOOKS FOR SLATE ROOFS

- Material: roof hooks in aluminum, Overlay made of PE soft foam (UV-resistant)
- Suitable for many shingle types
- Roof panel with flexible corrugated strip
- Direct load on rafters
- For slate covers of up to 125 mm



109019-024 Rapid2+ Pro Slate125 roof hooks									PU: 20 LU: 960
	a	b	c	d	e	f	g	h	i
mm	28	135	41	110	41	35	-	8	30

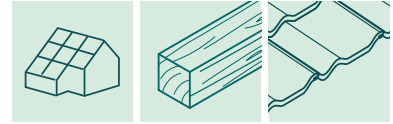


109017-010 Shingle for roof hook Rapid2+ Pro Slate125									PU: 20 LU: 960
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ROOF HOOK ACCESSORIES

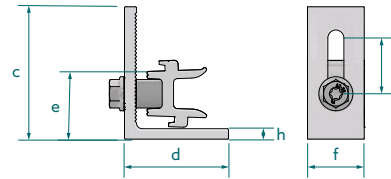
TILE ROOF



RAPIDPRO L

ANGLED, HEIGHT-ADJUSTABLE CONNECTION

- Material: aluminum angle
- Various connection options



119026-122	Rapid Pro L								PU: 100	LU: 6,400
	a	b	c	d	e	f	g	h	i	
mm	-	-	70	55	36	30	-	5.5	29	



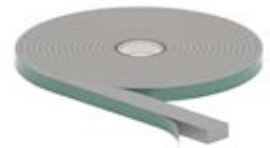
973000-075 Shim roof hook 2.5/5 mm

PU: 100



973000-683 Gray roof hook sealing tape TP600 10 m

PU: 15



109008-003 RapFix - extension for Eco roof hooks

PU: 50

LU: 2,400

For Eco roof hook with elongated hole



109008-023 RapFix Pro - extension for Eco roof hooks

PU: 50

LU: 2,400

For Eco roof hook with elongated hole



925120-002 Spacer sleeve, plastic, 1 m

PU: 15

LU: 600

As a spacer sleeve for rafter insulation in conjunction with extra long fastening bolts. Inner diameter 15 mm, outer diameter 35 mm. Plastic version prevents cold bridges. Cut to desired length.



109010-000 Additional bracket Iso07

PU: 20

LU: 3,200

For the relief bolt for rafter insulation



PRODUCT FEATURES

ROOF HOOKS

	STAINLESS STEEL RAPID						
	RAPID 2+ PRO 45	RAPID 2+ PRO 35	RAPID 2+ PRO UNIVERSAL	RAPID 2+ PRO MAX	RAPID 2+ PRO MAX 150	RAPID 2+ PRO MAXV	
Planning using the Schletter Creator is possible	•	•	•	•	•	•	
Compatible with Classic and ProLine rails	•	•	•	•	•	•	
For particularly low battens		•					
For particularly large tile overlap					•		
Heavy-duty design for special applications				•	•	•	
Pre-assembled multi-adapter (rotatable)	•	•	•	•	•	•	
Free positioning by clicking							
Center bar can be used in three positions			•				
Free positioning along the mounting plate							
Vertical rail mounting possible			•			•	
Height adjustment (at the upper connection)			•				
Reduced weight per packaging unit							

ENVIRONMENTAL INFLUENCES / REGIONS

Particularly suitable for coastal regions							
Snow and wind loads*	+	+	+	++	++	++	

* + Moderate to medium loads ++ Higher loads +++ Snow loads in alpine regions



STAINLESS STEEL ECO			HIGH-STRENGTH STEEL			ALUMINUM ECO		ALUMINUM RAPID		
ECO S 135		UNIVERSAL	RAPID 2+ PRO 45 HSL			ECO-A 45 MAX		RAPID-A 35 PRO MAX	RAPID-A PRO 45 MAX	RAPID-A 45 PRO UNIVERSAL MAX
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STANDING SEAM ROOF



16

SEAM CLAMPS FOR ALL STANDING ROOF TYPES.

RELIABLE MOUNTING SOLUTIONS FOR ALL
TYPES OF STANDING ROOFS.

Our wide range of seam clamps has been developed to meet the requirements of all common standing seam roof manufacturers and to provide you with a universal solution.

- + Quick assembly thanks to clamping solution
- + Versatile
- + High efficiency
- + Alternative clamping options
project-specific on request

The sheet metal seam clamps enable a stable fastening free of roof penetration on all common standing seam roofs without the use of additional bolts.

CLASSIC SHEET METAL SEAM CLAMPS

STANDING SEAM ROOF



CLASSIC SHEET METAL SEAM CLAMPS

FOR DIRECT FASTENING AT THE STANDING SEAM

— Material: aluminum or stainless steel (seam clamp 503 VA and 525 VA)

112001-000	Seam clamp 503 VA for standing seam roof	PU: 50	LU: 5,600
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Compatible with Classic and ProLine



112001-005	Seam clamp 503 Rapid for standing seam roof	PU: 50	LU: 2,400
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112001-010	Seam clamp 504 for standing seam roof	PU: 50	LU: 2,400
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Especially suitable for double standing seam roofs made of titanium zinc sheets

Possible dimensions of the border fold (dimension drawing):
h = 11–13 mm, b1 = 4–6 mm, b2 = max. 3 mm



The 504 seam clamp was developed together with the supplier Rheinzink for use on double standing seam roofs made of titanium zinc sheets.



112002-003	Seam clamp 510 Rapid	PU: 50	LU: 2,400
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Suitable for round seam roofs by Kalzip®, Bemo®, a.s.



112003-003	Seam clamp 520 Rapid	PU: 50	LU: 2,400
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Suitable for Zambelli RibRoof® 465, a.s.

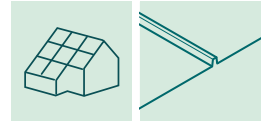


112004-002	Seam clamp 522 Rapid	PU: 50	LU: 2,400
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Suitable for Zambelli RibRoof® 500, a.s.



* All trademarks mentioned herein are the property of their respective owners.



112006-002 Seam clamp 524 Rapid

PU: 50

LU: 2,400

Suitable for Fischer KlipTec*, a.s.



112007-000 Seam clamp 525 VA

PU: 50

LU: 1,200

Suitable for Domitec*, a.s.

Compatible with Classic and Pro



PLEASE NOTE: The tightening torque must be limited in such a way that the sheet metal seam does not become distorted and the thermal expansion of the sheets is not prevented. Limit the rail length to 3 m especially for titan zinc sheets.

NOTE: The compatibility and installability on existing roofs as well as their load-bearing capacity must be checked on site. Material compatibility between components must also be considered.

EXTENSIONS FOR CLASSIC SHEET METAL SEAM CLAMPS FOR THE ACCEPTANCE OF MODULE SUPPORT RAILS

— Material: aluminum connector



129063-000 Rapid cross connector

PU: 200

LU: 4,800

Completely pre-assembled for Klicknut M8



109008-004 RapFix - Extension flat

PU: 50

LU: 5,600

For seam clamps of other supplier



SHEET METAL SEAM CLAMP PROLINE

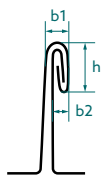
STANDING SEAM ROOF



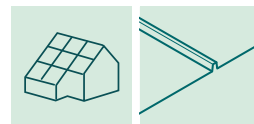
SHEET METAL SEAM CLAMP PROLINE

FOR DIRECT FASTENING AT THE STANDING SEAM

- Material: aluminum or stainless steel (seam clamp 503 VA and 525 VA)

112001-000	Seam clamp 503 VA for standing seam roof	PU: 50	LU: 5,600
Compatible with Classic and ProLine			
112001-105	Seam clamp Pro 503 for standing seam roof	PU: 50	LU: 2,400
112001-110	Seam clamp Pro 504 for standing seam roof	PU: 50	LU: 2,400
Especially suitable for double standing seam roofs made of titanium zinc sheets Possible dimensions of the border fold (dimension drawing): h = 11-13 mm, b1 = 4-6 mm, b2 = max. 3 mm The PRO 504 seam clamp was developed together with the supplier Rheinzink for use on double standing seam roofs made of titanium zinc sheets.			
112001-210	Seam clamp Pro 504	PU: 50	LU: 2,400
Suitable for double standing seam roofs. This design is typically installed in France Possible dimensions of the border fold: h = 10 - 12 mm, b1 = 4 - 6 mm, b2 = max. 3 mm Diagram see 112001-110 seam clamp Pro 504			
112002-103	Seam clamp Pro 510	PU: 50	LU: 2,400
Suitable for round seam roofs by Kalzip[®], Bemo[®], a.s.			
112003-103	Seam clamp Pro 520	PU: 50	LU: 1,200
Suitable for Zambelli RibRoof[®] 465, a.s.			

* All trademarks mentioned herein are the property of their respective owners.



112004-102 Seam clamp Pro 522

PU: 50 LU: 1,200

Suitable for Zambelli RibRoof* 500, a.s.



112006-102 Seam clamp Pro 524

PU: 50 LU: 1,200

Suitable for Fischer KlipTec*, a.s.



112007-000 Seam clamp 525 VA

PU: 50 LU: 1,200

Suitable for Domitec*, a.s.
Compatible with Classic and Pro



112012-112 Seam clamp Pro 562 Universal

PU: 50 LU: 1,600

PLEASE NOTE: The tightening torque must be limited in such a way that the sheet metal seam does not become distorted and the thermal expansion of the sheets is not prevented. Limit the rail length to 3 m especially for titan zinc sheets.

NOTE: The compatibility and installability on existing roofs as well as their load-bearing capacity must be checked on site. Material compatibility between components must also be considered.



ATTACHMENT FOR PRO SEAM CLAMPS

FOR THE ACCEPTANCE OF MODULE SUPPORT RAILS

— Material: Connectors made of aluminum or die-cast zinc (RapidConnect90)



129063-002 RapidConnect90

PU: 100 LU: 5,200



129063-020 Rapid cross connector 90 Pro

PU: 150 LU: 7,200

Fully pre-assembled for ProLine channel (not for SoloPro)



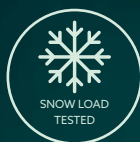
109008-024 RapFix Pro - Extension flat

PU: 50 LU: 5,600

For seam clamps of other supplier



TRAPEZOIDAL ROOF



4

DIRECT FASTENERS.

MOUNTING SOLUTIONS ON THE ROOF MEMBRANE FOR TRAPEZOIDAL SHEET METAL AND SANDWICH ROOFS.

Cantilevered trapezoidal sheet metal roofs do not always allow the connection of fastening systems to the substructure, but often have sufficient load-bearing capacity for fastening to the roof membrane. This is where Schletter direct fasteners offer an unrivaled simple and fast fastening option.

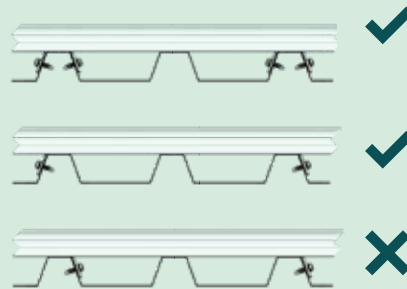
Our direct fasteners can be attached directly to the roof surface, regardless of the substructure. The installation is carried out without pre-drilling, without covering the roof and by direct bolting from above.

- + For portrait and landscape module mounting
- + Bolt fastening at the side of the trapezoidal sheets for optimal load distribution
- + A connection to the substructure is not required
- + Absolutely waterproof with EPDM sealing rubber

RELIABLY FASTEN AT THE ROOF MEMBRANE

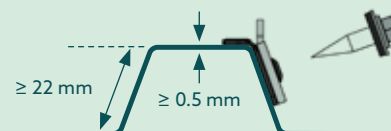
1

Direct fasteners always consist of 2 fasteners and must be installed opposite each other, in pairs, at the sides of the top chords.



2

The height of the top chords must be ≥ 22 mm, the thickness of the metal sheet must be ≥ 0.5 mm.



3

Do not mount at overlapping sheet edges.



DIRECT FASTENER

TRAPEZOIDAL SHEET

CLAMPFIT

DIRECT CLAMPING ON TRAPEZOID METAL SHEET IN LANDSCAPE MODULE ALIGNMENT

- Material: aluminum and EPDM rubber
- For steel and aluminum sheet metal starting at 0.5 mm



130004-200	ClampFit	PU: 100	LU: 2,400
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2 thin sheet metal bolts per ClampFit are needed.



130004-300	ClampFit Pro	PU: 100	LU: 2,400
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2 thin sheet metal bolts per ClampFit Pro are needed.



ECORAPID

LANDSCAPE MODULE MOUNTING WITHOUT MODULE CLAMP

- Material: stainless steel and EPDM rubber

113014-000	EcoRapid	PU: 200	LU: 4,800
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Clamp directly on frame, for corrugation heights from 22 mm
EcoRapid at module field edge: 2 bolts; EcoRapid at module field center: 1 bolt



THIN METAL SHEET BOLTS

IN COMBINATION WITH SINGLEFIX PRO, CLAMPFIT / CLAMPFIT PRO, AND ECORAPID

- Material: Bimetal bolt with EPDM sealing washer

943000-700	5.5 × 25 A2 thin sheet metal bolt with sealing washer With ETA, ETN, MCS012, and German building authority approval. For use in GER, FR, and UK. For use on sandwich elements approved for this purpose.	PU: 100
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943000-360	6.0 × 25 A2 thin sheet metal bolt with sealing washer With ETA, ETN, MCS012, and German building authority approval. For use in GER, FR, and UK.	PU: 100
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943001-232	Thin sheet metal bolt 6.0 x 22 A2 with oZ sealing washer For use outside GER, FR, and UK.	PU: 100
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SINGLEFIX MOUNTING SET

TRAPEZOIDAL SHEET



SINGLEFIX

TRAPEZOID SHEET METAL FASTENING FOR STEEL AND ALUMINUM METAL SHEET STARTING AT 0.5 MM

- Material: stainless steel and EPDM rubber
- The SingleFix mounting set can be assembled and ordered from the individual products. The following products are required for a complete set:
2 x SingleFix Pro, 4 x sheet metal bolts and 1 x module support rail

113009-003 SingleFix Pro

PU: 100 LU: 11,200

For corrugation heights starting at 22 mm
2 thin sheet metal bolts per SingleFix Pro are needed.



MODULE SUPPORT RAILS

450 MM RAIL PIECES IN CONJUNCTION WITH SINGLEFIX PRO



120011-00450	EcoLight 450 mm module support rail	PU: 50	LU: 1,200
121010-202	FixZ-7 system rail18 lower 450 mm	PU: 25	LU: 400
121001-202	FixZ-7 system rail18 upper 450 mm	PU: 25	LU: 100
121009-202	FixZ-15 system rail18 lower 450 mm	PU: 25	LU: 400
121008-202	FixZ-15 system rail18 upper 450 mm	PU: 25	LU: 100

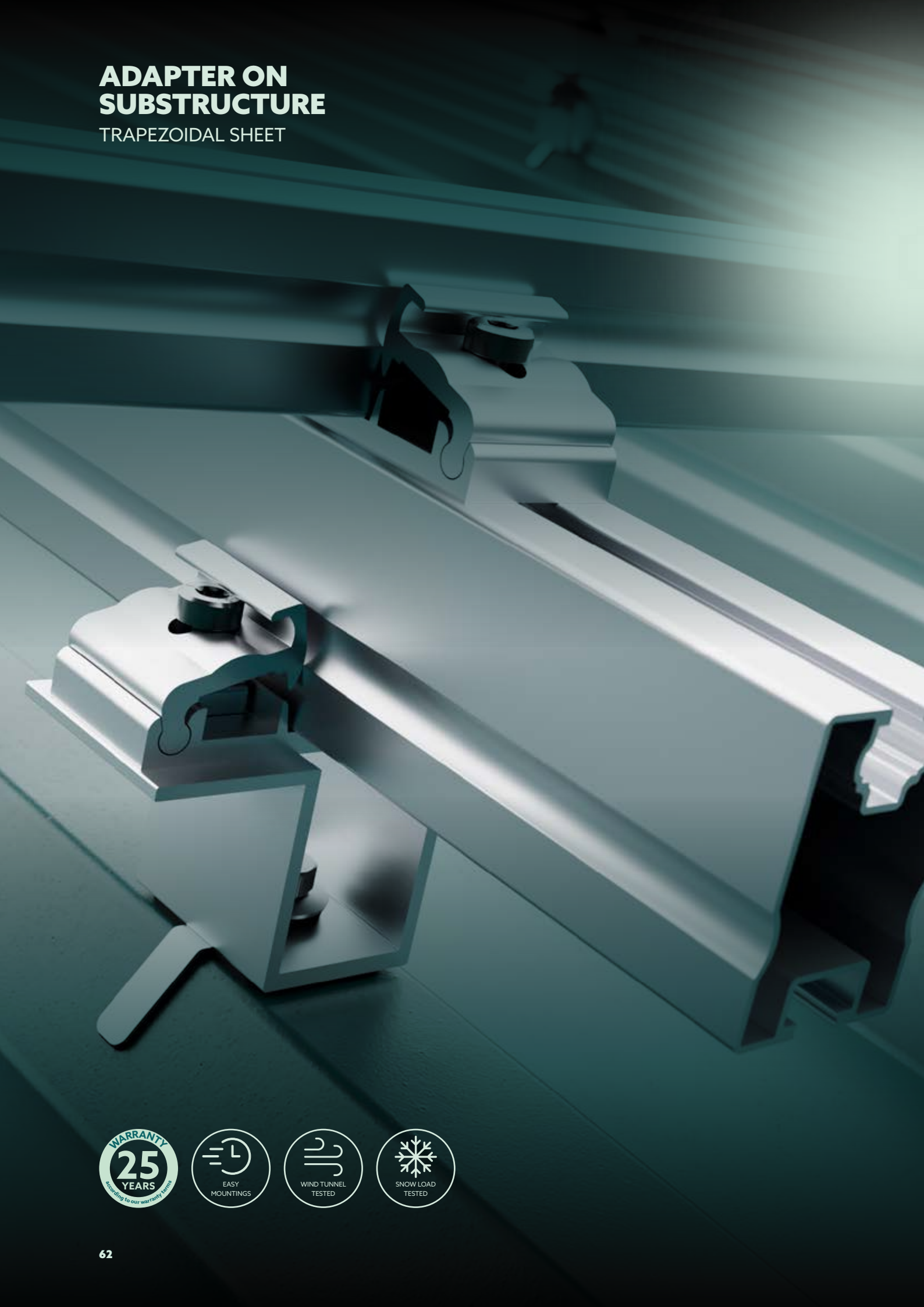


120020-00450	Pro35 450 mm module support rail	PU: 50	LU: 800
120023-00450	Pro100 450 mm module support rail	PU: 35	LU: 280



ADAPTER ON SUBSTRUCTURE

TRAPEZOIDAL SHEET



5

ADAPTERS ON WOOD OR STEEL SUBSTRUCTURES.

EXCEPTIONAL STRENGTH FOR ALL TRAPEZOIDAL AND SANDWICH ROOFS.

Attaching the roof to the substructure is advisable in many cases, as the roof membrane does not have a sufficient or reliable load-bearing capacity. The roofing is penetrated and fixed to the supporting substructure using threaded rods and bolts.

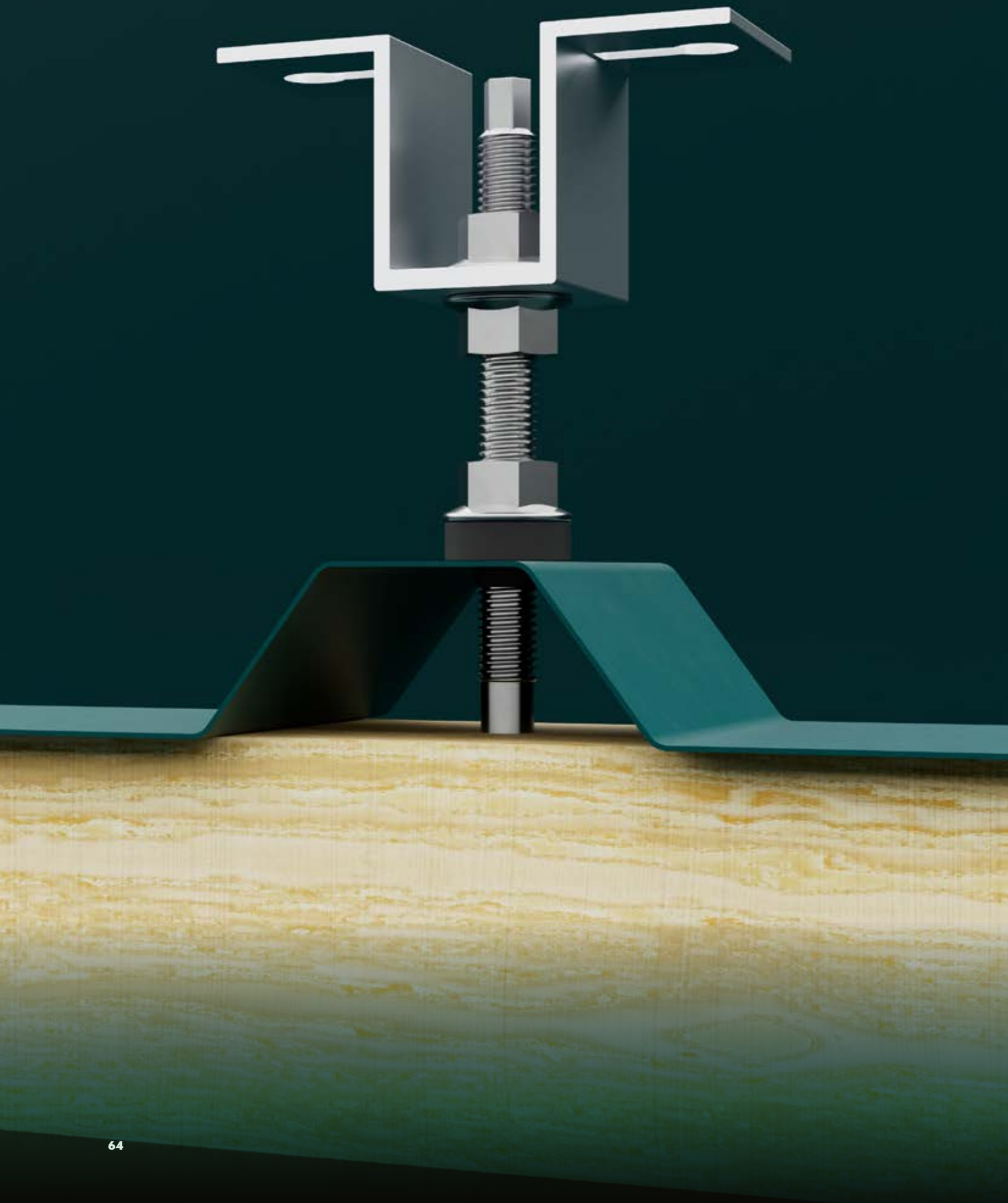
One focus is on ensuring a 100% seal at the penetration. Different adapters, tailored to the respective configuration, are used to connect the rails.

Our stud and threaded bolts offer a safe and stable way to attach solar modules to a variety of different roof surfaces, regardless of the type of roofing material.

- + Excellent stability on sloping, flat and trapezoidal surfaces
- + Wide range of options

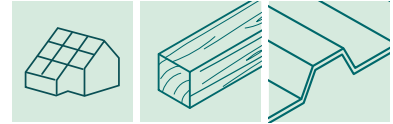
ADAPTER ON WOOD SUBSTRUCTURE

TRAPEZOIDAL SHEET



ADAPTER ON WOOD SUBSTRUCTURE

TRAPEZOIDAL SHEET



MOUNTING PLATE FOR HANGER BOLT

- Material: aluminum
- Dimensions: 120 x 60 x 6 mm

119002-000	Mounting plate for hanger bolts M10 / M12	PU: 50	LU: 5,600
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KLICKTOP PRO EXTENSION PART

- Material: aluminum

119001-020	KlickTop Pro extension part for hanger bolt	PU: 50	LU: 2,400
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UNIVERSAL ADAPTER DUO

- Material: aluminum

119033-004	Universal adapter Duo M10 / M12	PU: 50	LU: 400
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UNO UNIVERSAL ADAPTER

- Material: aluminum
- On request, mounting rails can be adapted with cross connectors.

119033-001	Universal adapter Uno M10 / M12	PU: 50	LU: 2,400
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HANGER BOLT SETS

IN CONJUNCTION WITH MOUNTING PLATE, KLICKTOP, UNIVERSAL ADAPTER

- Material: bolts and nuts V4A, seal EPDM vulcanized (UV-resistant)
- Pre-assembled with seal and 3 flange nuts

110010-200**	Hanger bolt set 10 x 200 mounted	PU: 50	LU: 5,600
110210-200	Hanger bolt set 10 x 200 mounted	PU: 50	LU: 3,200
110012-200**	Hanger bolt set 12 x 200 mounted	PU: 50	LU: 5,600
110212-200	Hanger bolt set 12 x 200 mounted	PU: 50	LU: 3,200
110012-300**	Hanger bolt set 12 x 300 mounted	PU: 50	LU: 2,000
110212-300	Hanger bolt set 12 x 300 mounted	PU: 50	LU: 1,600

** Item will be discontinued. Available while stocks last.



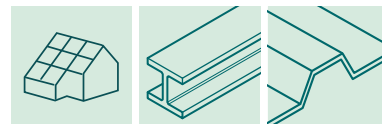
ADAPTER ON STEEL SUBSTRUCTURE

TRAPEZOIDAL SHEET



ADAPTER ON STEEL SUBSTRUCTURE

TRAPEZOIDAL SHEET



UNIVERSAL ADAPTER ON TRAPEZOID SHEET METAL AND SANDWICH ROOF

- Material: aluminum and EPDM calotte
- On request, mounting rails can be adapted with cross connectors.

119033-002	Uno M8 universal adapter	PU: 50	LU: 2,400
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119005-001	Universal calotte with EPDM	PU: 50	LU: 19,200
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THREADED BOLT SELF-GROOVING

IN COMBINATION WITH UNIVERSAL ADAPTER FASTENING SYSTEM ON STEEL PURLINS

- Material: stainless steel with EPDM seal washer

943763-064**	6.3 x 64	PU: 100
943763-115**	6.3 x 115	PU: 100
943763-200**	6.3 x 200	PU: 50

** Item will be discontinued. Available while stocks last.

943718-064	8 x 64	PU: 100
943718-125	8 x 125	PU: 50
943718-150	8 x 150	PU: 50
943718-200	8 x 200	PU: 50



INFORMATION: Please note that illustrations and thread lengths may vary.

CORRUGATED ROOF



5

ADAPTERS ON WOOD OR STEEL SUBSTRUCTURES.

RELIABLE SOLUTIONS FOR CORRUGATED ROOFS.

Attachment to the supporting substructure is the only reliable option for corrugated roofs. Here too, the installer has access to hanger bolts for the wooden roof truss. The construction is identical to that of a roof covered with a trapezoidal sheet.

When connecting to a steel substructure, however, no cap is used; a seal cap for corrugated roofs ensures a 100% seal. To ensure the long-term resistance of the roof covering to breakage, a spacer sleeve must be inserted between the supporting purlin and the corrugated sheet metal.

Our versatile KlickTop Pro mounting adapter for hanger bolts allows for a particularly easy connection of the mounting rails. By rotating the upper mounting plate, it can be adapted to both Classic and ProLine rails.

- + Stable fastening regardless of the corrugated roof material
- + Suitable for use with all common sinusoidal corrugated sheet metal formats

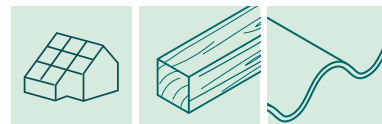
ADAPTER ON WOOD SUBSTRUCTURE

CORRUGATED ROOF



ADAPTER ON WOOD SUBSTRUCTURE

CORRUGATED ROOF



MOUNTING PLATE FOR HANGER BOLT

- Material: aluminum
- Dimensions: 120 x 60 x 6 mm

119002-000 Mounting plate for hanger bolts M10 / M12

PU: 50

LU: 5,600



KLICKTOP PRO EXTENSION PART

- Material: aluminum

119001-020 KlickTop Pro extension part for hanger bolt

PU: 50

LU: 2,400



UNIVERSAL ADAPTER DUO

- Material: aluminum

119033-004 Universal adapter Duo M10 / M12

PU: 50

LU: 400



UNO UNIVERSAL ADAPTER

- Material: aluminum
- On request, mounting rails can be adapted with cross connectors.

119033-001 Universal adapter Uno M10 / M12

PU: 50

LU: 2,400



HANGER BOLT KIT

IN CONJUNCTION WITH MOUNTING PLATE, KLICKTOP, UNIVERSAL ADAPTER

- Material: bolts and nuts V4A, seal EPDM vulcanized (UV-resistant)
- Pre-assembled with seal and 3 flange nuts

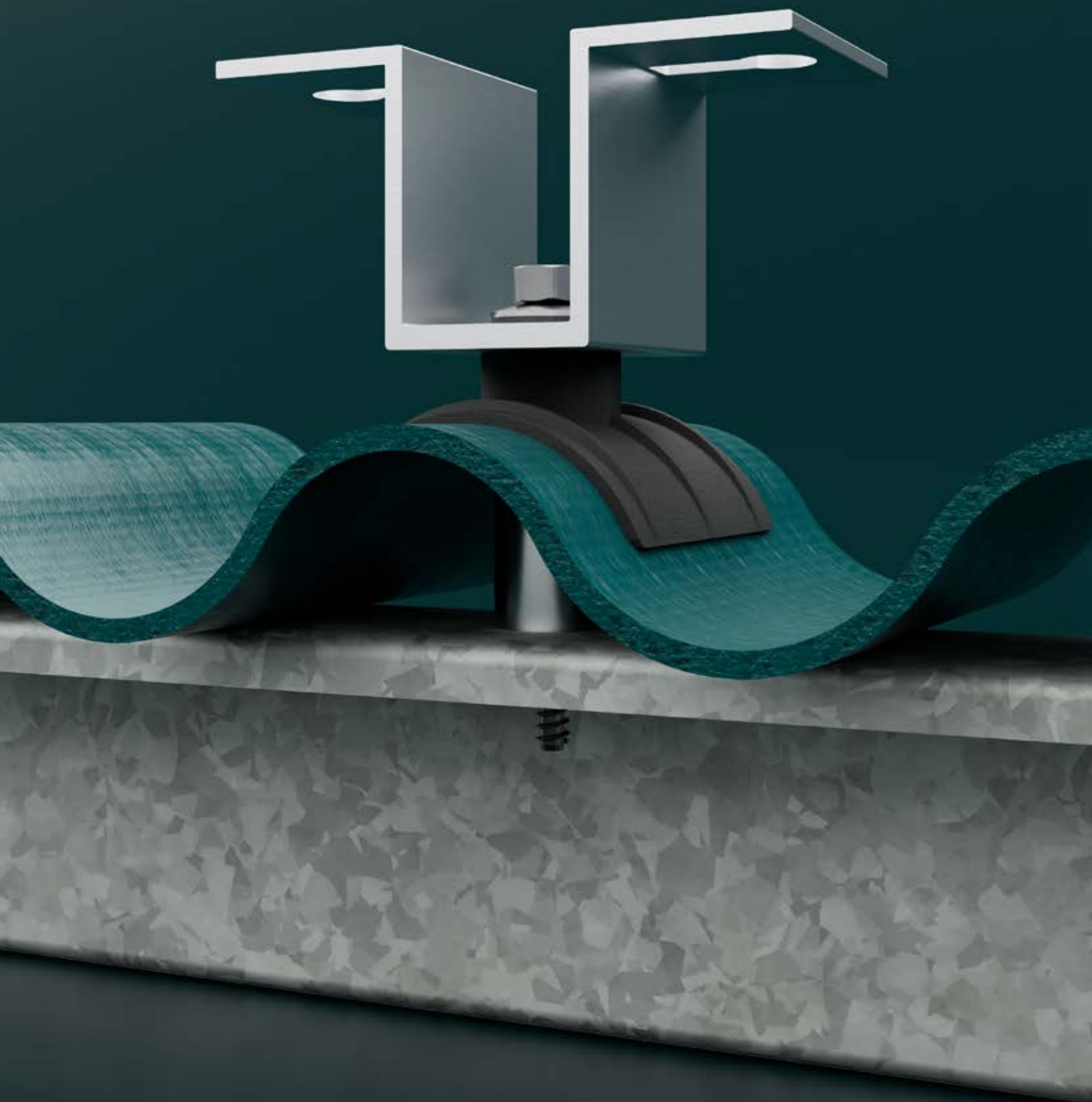
110010-200**	Hanger bolt set 10 x 200 mounted	PU: 50	LU: 5,600
110210-200	Hanger bolt set 10 x 200 mounted	PU: 50	LU: 3,200
110012-200**	Hanger bolt set 12 x 200 mounted	PU: 50	LU: 5,600
110212-200	Hanger bolt set 12 x 200 mounted	PU: 50	LU: 3,200
110012-300**	Hanger bolt set 12 x 300 mounted	PU: 50	LU: 2,000
110212-300	Hanger bolt set 12 x 300 mounted	PU: 50	LU: 1,600

** Item will be discontinued. Available while stocks last.



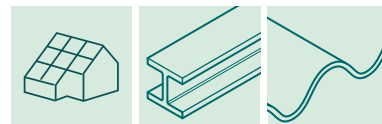
ADAPTER ON STEEL SUBSTRUCTURE

CORRUGATED ROOF



ADAPTER ON STEEL SUBSTRUCTURE

CORRUGATED ROOF



UNIVERSAL ADAPTER ON CORRUGATED ROOF

- Material: aluminum and TPE sealing cap
- For fiber cement corrugated roofs
- On request, mounting rails can be adapted with cross connectors.

119033-002	Uno M8 universal adapter	PU: 50	LU: 2,400
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Also suitable as a dowel clamp for special applications, e.g. on the facade.



119005-000	Seal cap corrugated sheet 5 / 6 / 8	PU: 50	LU: 4,000
119004-003*	Spacer sleeve AL 995 x 20	PU: 30	LU: 600

*The required lengths must be cut to size on site.



THREADED BOLT SELF-GROOVING

IN COMBINATION WITH UNIVERSAL ADAPTER FASTENING SYSTEM ON STEEL PURLINS

- Material: stainless steel with EPDM seal washer

943763-064**	6.3 x 64	PU: 100
943763-115**	6.3 x 115	PU: 100
943763-200**	6.3 x 200	PU: 50

** Item will be discontinued. Available while stocks last.

943718-064	8 x 64	PU: 100
943718-125	8 x 125	PU: 50
943718-150	8 x 150	PU: 50
943718-200	8 x 200	PU: 50



INFORMATION: Please note that illustrations and thread lengths may vary.

BITUMEN AND SHEET METAL ROOF



3

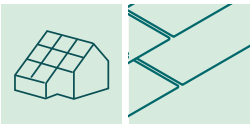
FASTENER AT THE FORMWORK.

RELIABLY TIGHT-FITTING WITH DIRECT FASTENERS ON FLAT SURFACES.

Our direct fasteners make installation on pitched roofs with metal and bitumen shingles particularly easy. They can be mounted directly into the load-bearing wooden formwork from above, without the need to remove any shingles. The EPDM seals ensure a reliable and rainproof seal.

DIRECT FASTENER ON WOODEN FORMWORK

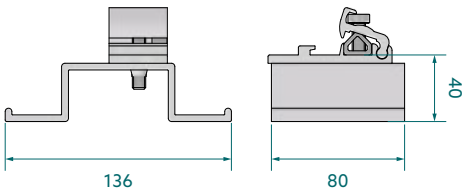
BITUMEN ROOF AND METAL SHINGLES



FIX T-K

FOR BITUMEN ROOFS ON ROOF BOARDING

— Material: aluminum fastener



119014-012	Fix T-K	PU: 50	LU: 1,200
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119014-212	Fix T-K Pro	PU: 50	LU: 1,200
------------	-------------	--------	-----------



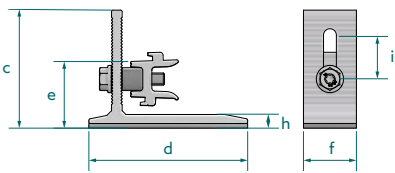
973000-041	EPDM rubber self-adhesive 48 mm wide, reel with 50 m	PU: 1
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RAPID 2+ PRO SML

FOR MOUNTING ON THE METAL SHINGLE

— Material: Aluminum fastener with EPDM seal

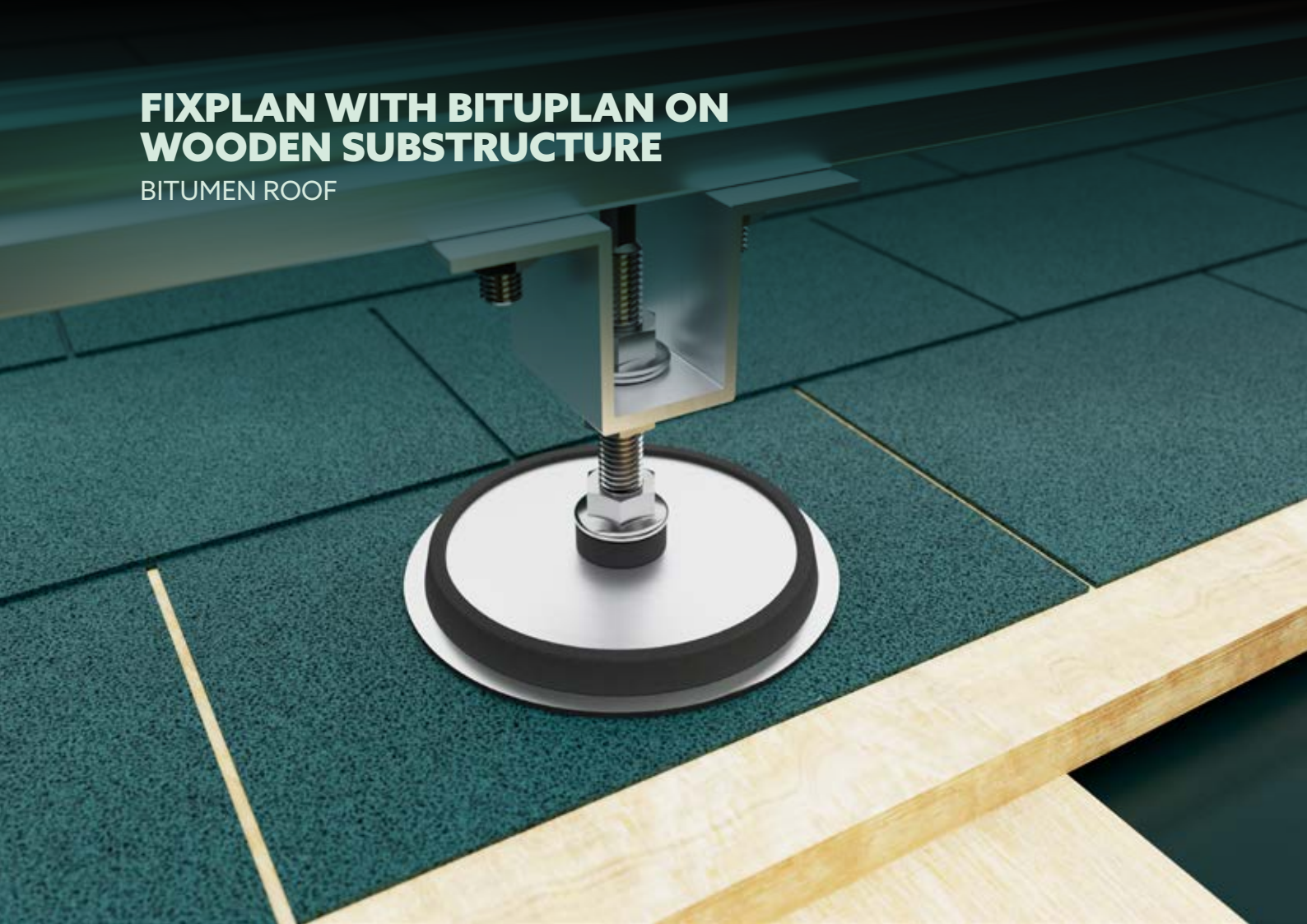


119026-102 Rapid2+ Pro SML roof hooks										PU: 20	LU: 2,240
	a	b	c	d	e	f	g	h	i		
mm	-	-	78	105	45	35	-	6	29		



FIXPLAN WITH BITUPLAN ON WOODEN SUBSTRUCTURE

BITUMEN ROOF



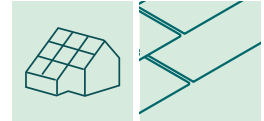
SLATEPLAN ON WOOD SUBSTRUCTURE

SHINGLE ROOF



ADAPTER ON WOOD SUBSTRUCTURE

BITUMEN AND SHINGLE ROOF



FIXPLAN

FOR SHEET METAL ROOFS WHERE FASTENING ON THE FOLD IS NOT POSSIBLE (E.G. TITANIUM ZINC SHEET ROOFS)

- Material: stainless steel with EPDM seal plate

114003-000	FixPlan seal plate	PU: 50	LU: 2,400
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BITUPLAN

FOR BITUMEN ROOFS WITHOUT LOAD-BEARING WOOD SHINGLE - FIXPLAN WITH ADDITIONAL SEAL

- Material: Alu-Butyl

114004-000	Bituplan additional seal for FixPlan	PU: 100	LU: 4,800
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SLATEPLAN

FOR ROOFS WITH SHINGLE COVER (E.G. MADE OF BITUMEN, FIBER CEMENT OR SLATE)

- Material: aluminum with EPDM seal

109017-000	SlatePlan with seal: 270 x 200 x 0.5 mm	PU: 50	LU: 2,400
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109017-001	SlatePlan with seal: 370 x 200 x 0.5 mm	PU: 50	LU: 2,400
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HANGER BOLT SETS

IN COMBINATION WITH FIXPLAN AND SLATEPLAN

- Material: bolts and nuts V4A, seal EPDM vulcanized (UV-resistant)
- Pre-assembled with seal and 3 flange nuts

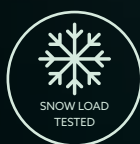
110010-200**	Hanger bolt set 10 x 200 mounted	PU: 50	LU: 5,600
110210-200	Hanger bolt set 10 x 200 mounted	PU: 50	LU: 3,200
110012-200**	Hanger bolt set 12 x 200 mounted	PU: 50	LU: 5,600
110212-200	Hanger bolt set 12 x 200 mounted	PU: 50	LU: 3,200
110012-300**	Hanger bolt set 12 x 300 mounted	PU: 50	LU: 2,000
110212-300	Hanger bolt set 12 x 300 mounted	PU: 50	LU: 1,600

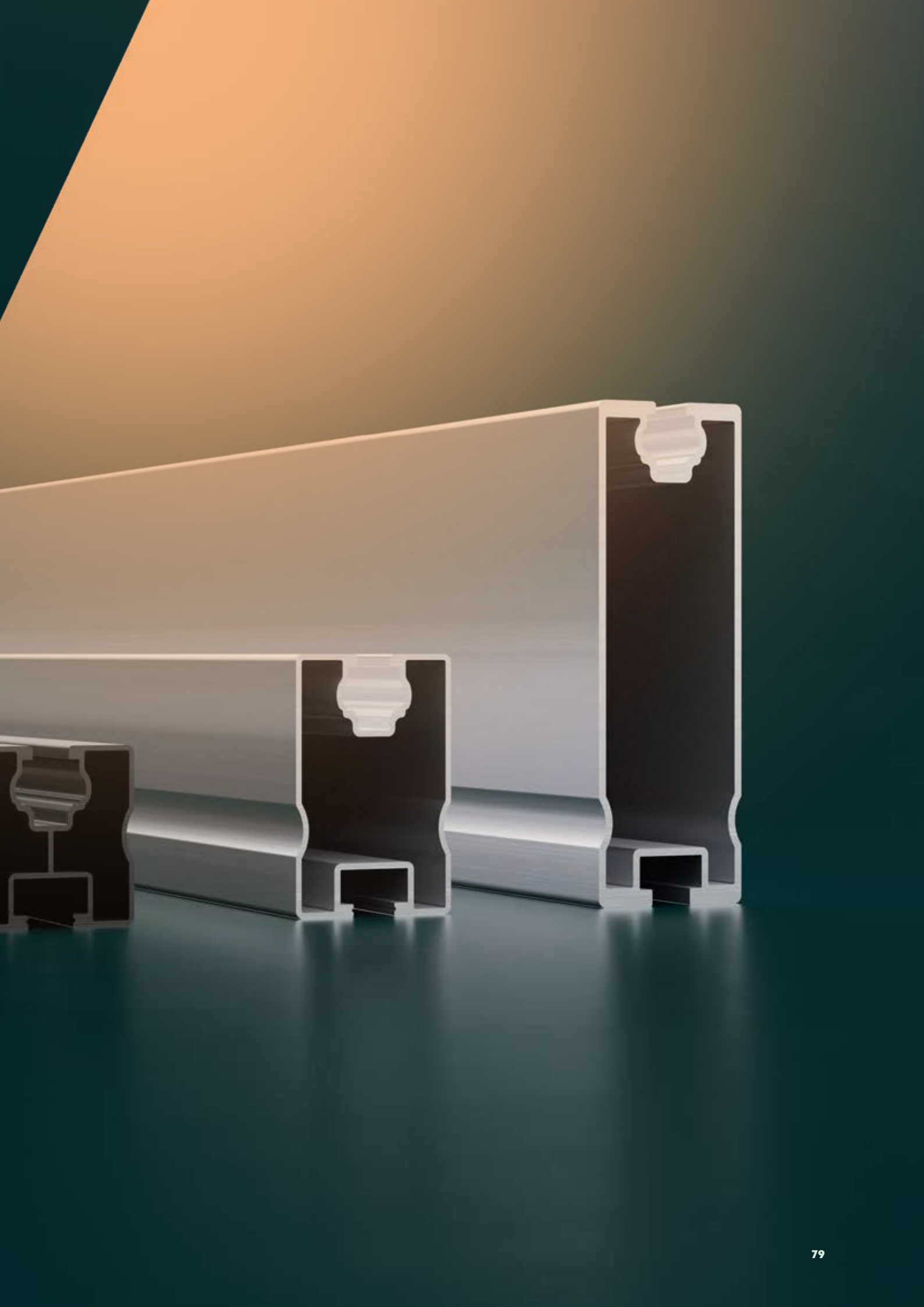


** Item will be discontinued. Available while stocks last.

MOUNTING RAILS

- CLASSIC
- PROLINE
- FIX-Z PRO
- ACCESSORIES





MOUNTING RAILS

CLASSIC

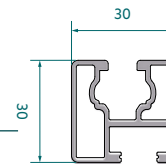


CLASSIC MOUNTING RAILS

- Material: aluminum
- Mechanical connection: clamp channel below, KlickNut M8 above
- Can be combined with all roof hooks
- Assembly with square nut, click system and Rapid2+

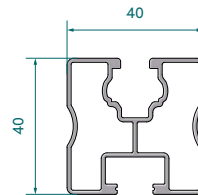
ECO05

AL blank				
120001-03550	3550 mm	PU: 250	LU: 250	
120001-04750	4750 mm	PU: 250	LU: 250	
120001-05900	5900 mm	PU: 250	LU: 250	



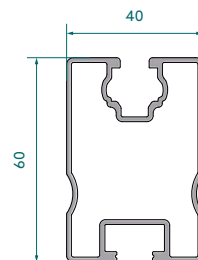
SOLO

AL blank		Black anodized			
120005-02450	2450 mm			PU: 150	LU: 150
120005-03550	3550 mm			PU: 150	LU: 150
120005-04400	4400 mm			PU: 150	LU: 150
120005-04750	4750 mm			PU: 150	LU: 150
120005-05900	5900 mm	120005-95900	5900 mm	PU: 150	LU: 150
120005-06200	6200 mm			PU: 150	LU: 150



SOLOPLUS

AL blank			
120006-05900	5900 mm	PU: 120	LU: 120

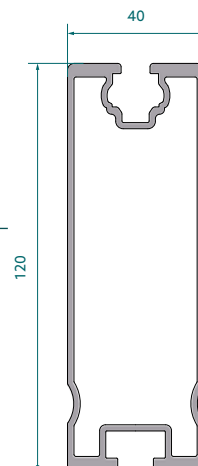


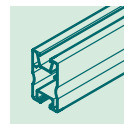
SOLOXL

AL blank			
120015-05900	5900 mm	PU: 60	LU: 60

The bottom clamping channel is only suitable for connection with the square-head screw 943410-025.

Not for Rapid attachments, Rapid cross connectors, KlickTop, or similar.





CLASSIC CONNECTOR

FOR MODULE SUPPORT RAILS OF THE CLASSIC SERIES

— Material: aluminum

CONNECTORS

129001-003	E Eco connector, pre-assembled	PU: 100	LU: 2,400
129002-002	E Solo, SoloPlus, FixZ-7, FixZ-15 connector, pre-assembled	PU: 100	LU: 2,400

INSIDE CONNECTOR

129001-014	Eco05 internal connector 250 mm	PU: 50	LU: 11,200
943001-232	Thin sheet metal bolt 6.0 x 22 A2 with oZ sealing washer	PU: 100	

1 inside connectors and 2 thin metal sheet bolts are required for each connection.

129060-000	Solo slide-in connector	PU: 50	LU: 3,200
943001-232	Thin sheet metal bolt 6.0 x 22 A2 with oZ sealing washer	PU: 100	

2 slide-in connectors and 4 thin metal sheet bolts are required for each connection.

129001-007	SoloPlus internal connector	PU: 25	LU: 1,600
129001-008	EcoLight internal connector	PU: 25	LU: 56,000

129001-019	SoloXL internal connector	PU: 25	LU: 400
943001-232	Thin sheet metal bolt 6.0 x 22 A2 with oZ sealing washer	PU: 100	

1 inside connectors and 4 thin metal sheet bolts are required for each connection.

CROSS CONNECTOR

AL blank	Black anodized			
129063-000	129063-900	Rapid cross connector	PU: 200	LU: 4,800

For Classic cross rail system

129063-010	Cross connector RapidPro	PU: 200	LU: 4,800
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For hybrid cross-rail system Classic - Proline (not for SoloPro)

END CAPS FOR THE RAIL ENDS

Gray	Black			
129011-000	129011-900	Solo plastic end cap	PU: 100	LU: 11,200

For Solo and SoloPro rails



MOUNTING RAILS

PROLINE

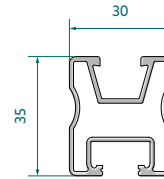


MOUNTING RAILS PROLINE

- Material: Aluminum
- Mechanical connection: clamp channel below, KlickNut Pro above
- Can be combined with all roof hooks
- Mounting with Pro hammerhead nut and all ProLine connections

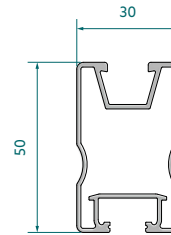
PRO35

AL blank			
120020-00450	450 mm	PU: 50	LU: 800
120020-03550	3550 mm	PU: 200	LU: 200
120020-04400	4400 mm	PU: 200	LU: 200
120020-04750	4750 mm	PU: 200	LU: 200
120020-05900	5900 mm	PU: 200	LU: 200



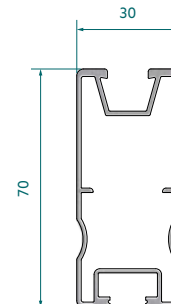
PRO50

AL blank		Black anodized			
120021-00260	260 mm			PU: 50	LU: 1,200
120021-02450	2450 mm			PU: 150	LU: 150
120021-03550	3550 mm			PU: 150	LU: 150
120021-04400	4400 mm			PU: 150	LU: 150
120021-04750	4750 mm	120021-94750	4750 mm	PU: 150	LU: 150
120021-05900	5900 mm			PU: 150	LU: 150



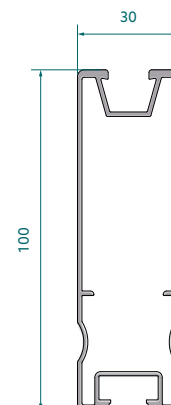
PRO70

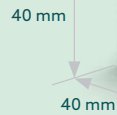
AL blank			
120022-05900	5900 mm	PU: 100	LU: 100



PRO100

AL blank			
120023-00450	450 mm	PU: 35	LU: 280
120023-05900	5900 mm	PU: 68	LU: 68





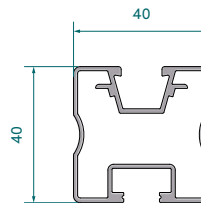
SOLOPRO

PROVEN DIMENSIONS,
FAMILIAR QUALITY.

SOLOPRO

PROLINE WITH THE DIMENSIONS OF THE CLASSIC SERIES

AL blank				
120039-04400	4400 mm	PU: 150	LU: 150	
120039-04750	4750 mm	PU: 150	LU: 150	
120039-05900	5900 mm	PU: 150	LU: 150	
120039-06200	6200 mm	PU: 150	LU: 150	



Not suitable for connection with cross connectors

PROLINE CONNECTOR

FOR MODULE SUPPORT RAILS OF THE PROLINE SERIES

— Material: aluminum or zinc diecasting

129200-000	Pro internal connector	PU: 40	LU: 3,200
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CROSS CONNECTOR			
129063-020	Rapid cross connector 90 Pro	PU: 150	LU: 7,200

Fully pre-assembled for ProLine channel (not for SoloPro)

129063-010	Cross connector RapidPro	PU: 200	LU: 4,800
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For hybrid cross-rail system Classic - Proline (not for SoloPro)
For connecting the ProLine to the universal adapters

129063-002	RapidConnect90	PU: 100	LU: 5,200
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For cross rail system, also for SoloPro
Floor rail connector to ballast and composite rail



END CAPS FOR THE RAIL ENDS			
Gray	Black		
129200-010	129200-910	Pro plastic end cap	PU: 100 LU: 11,200

For the Pro35, Pro50, and Pro70 rails





FIX-Z PRO

THE IDEAL ADDITIONAL BEAM FOR ALL SLOPED AND SHEET METAL ROOFS.

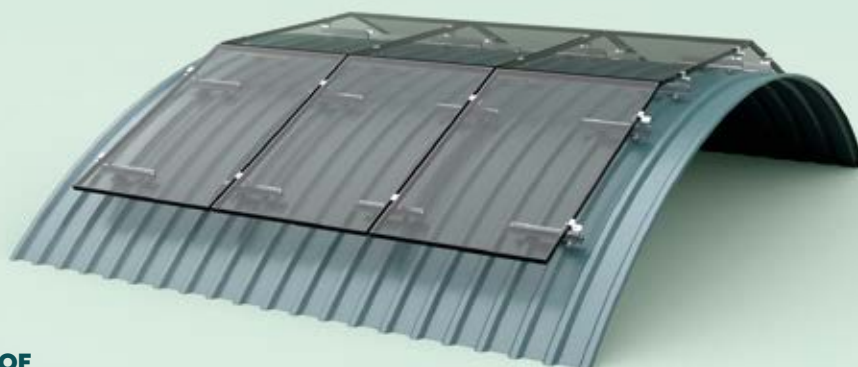
For trapezoidal sheet metal roofs with a slope of less than ten degrees, installing modules parallel to the roof may not be ideal in order to achieve maximum yield or optimal self-cleaning. Conventional support by struts is also often impossible or uneconomical because of the higher loads. In such cases, we recommend the flat mounting brackets of the Fix-Z Pro series.

- + Quick and easy to assemble
- + Improved rear ventilation
- + Improved self-cleaning
- + Optimum load transfer through the roof covering
- + Increased yield at a favorable system price
- + Lightweight elevation for framed modules (tilt angle 5 - 7° or 13 - 15°)
- + Suitable for all common 60/72 cell modules

FIX-Z PRO

ASSEMBLY EXAMPLES

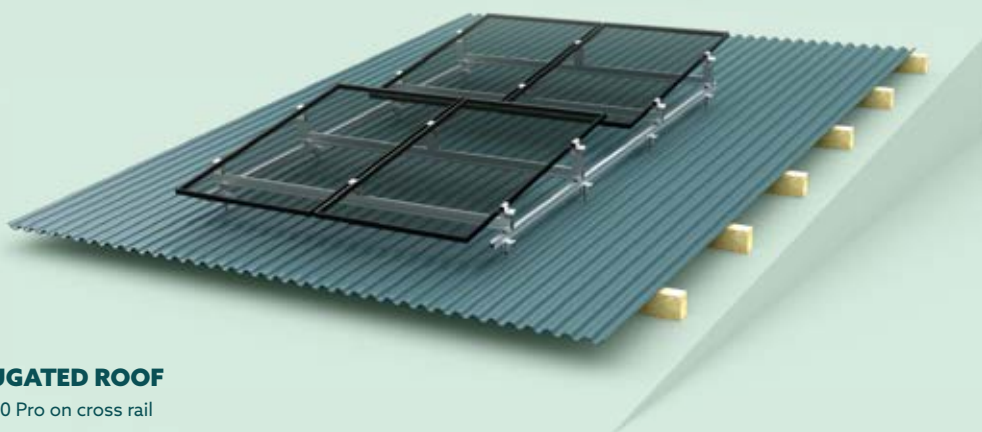
1



FIX-Z PRO ON ARCHED ROOF

with SingleFix Pro and heightening element / Module Support Pro

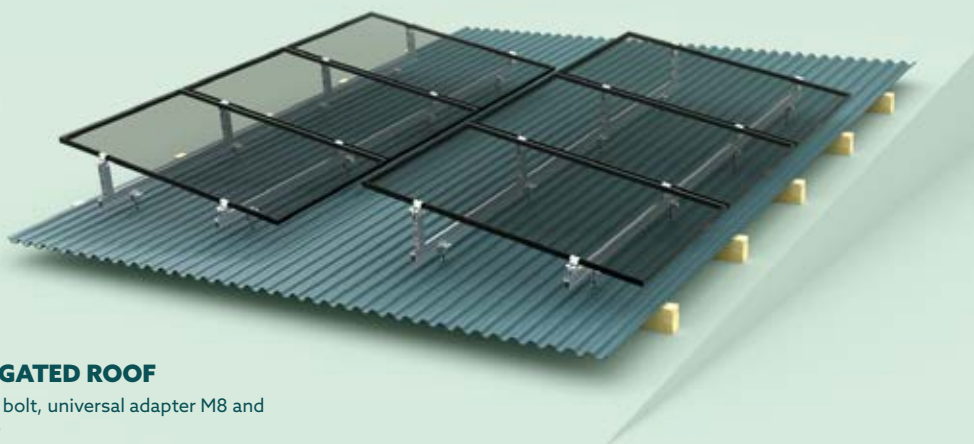
2



FIX-Z PRO ON CORRUGATED ROOF

with Rapid cross connector 90 Pro on cross rail system

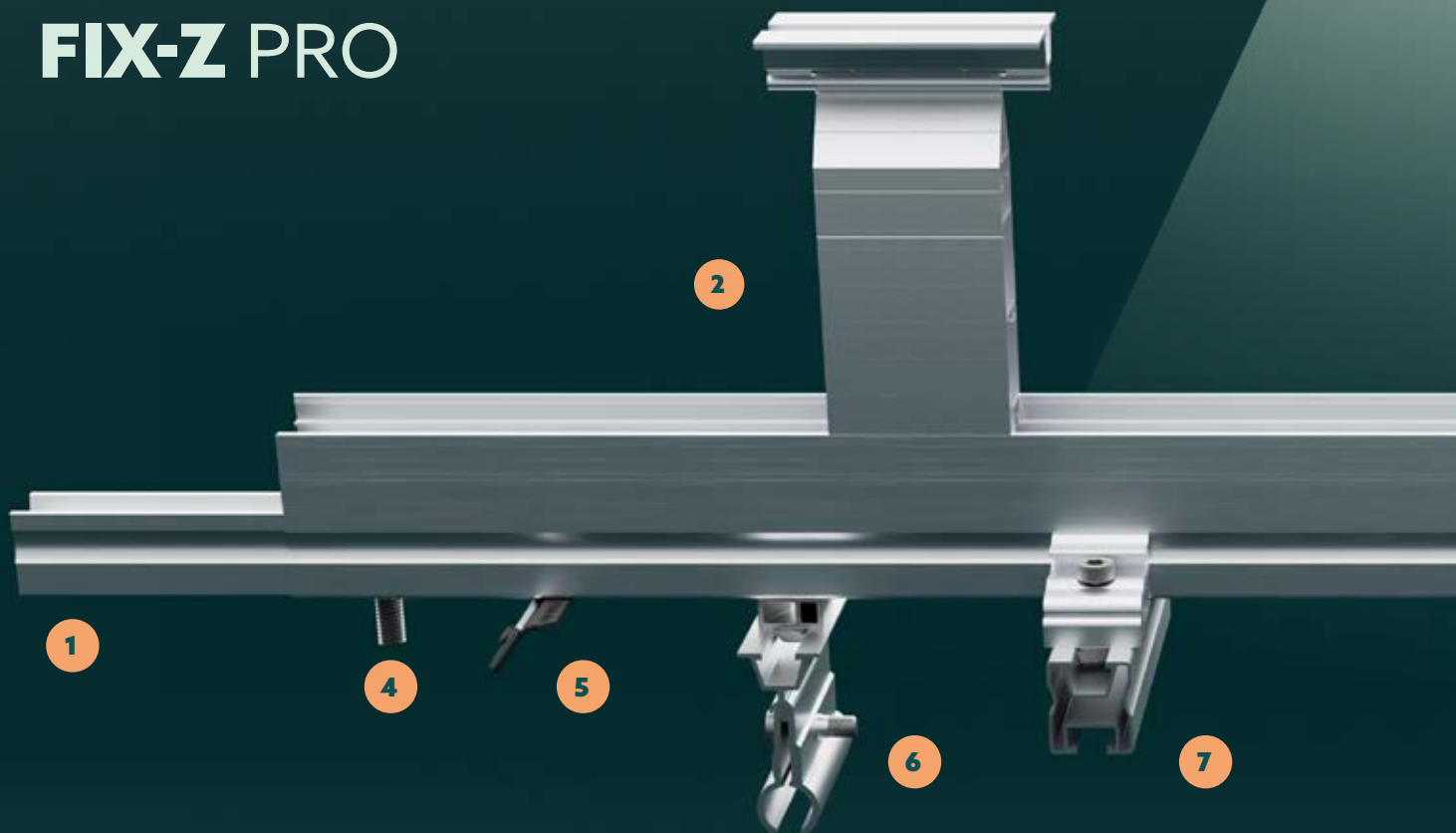
3



FIX-Z PRO ON CORRUGATED ROOF

In east alignment with hanger bolt, universal adapter M8 and Module Support/Elevation Pro

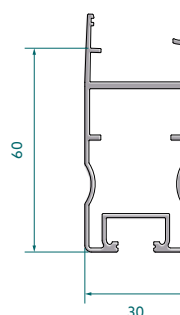
FIX-Z PRO



FIX-Z PRO

MOUNTING RAILS WITH MANY CONNECTION OPTIONS.

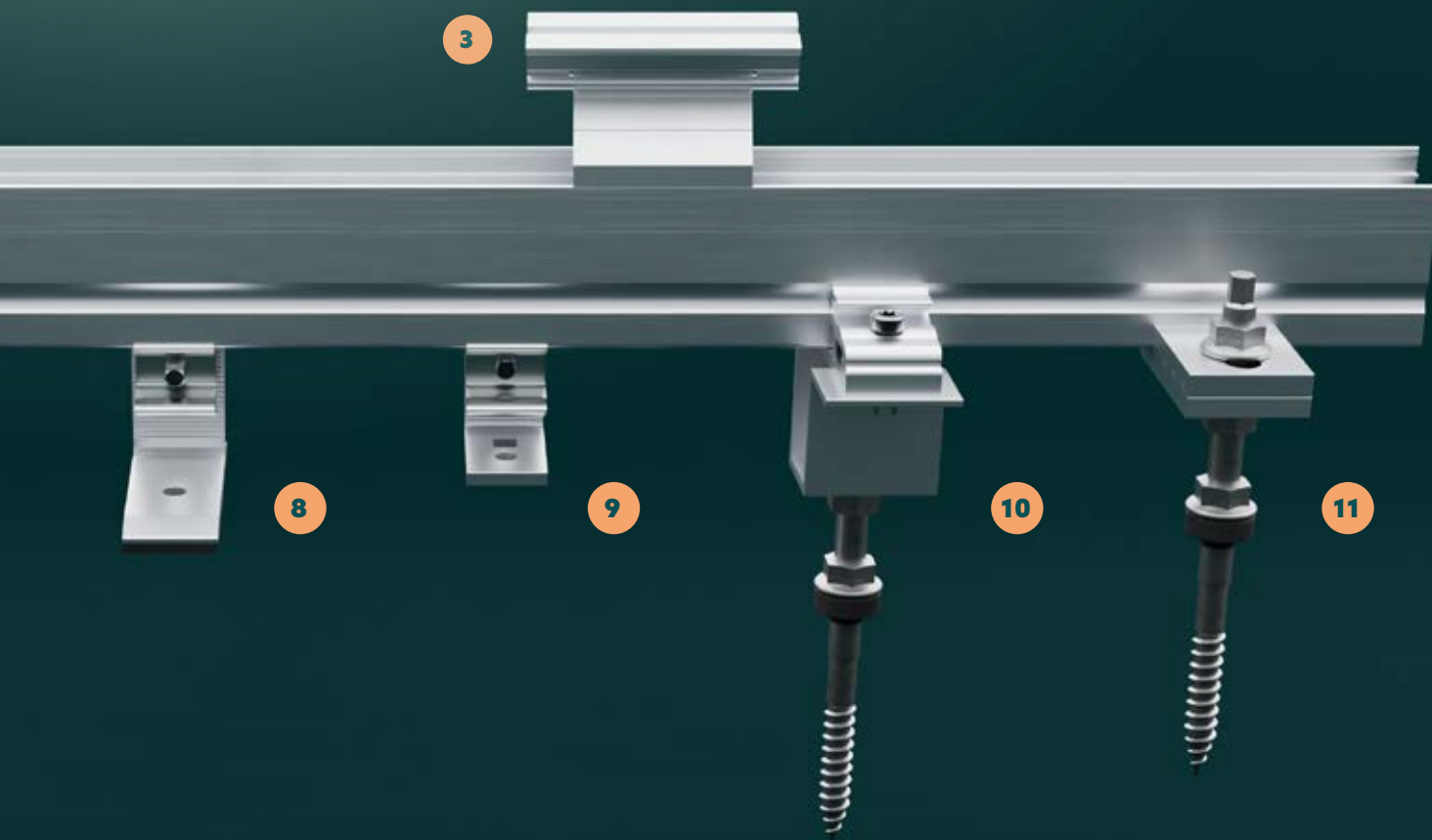
- Material: Aluminum
- Mechanical connection: clamp channel below, FixGrid Pro click-in connection above



AL blank

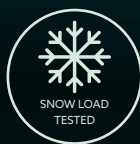
120034-00450	450 mm	PU: 50
120034-03550	3550 mm	
120034-05900	5900 mm	





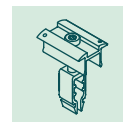
The Fix-Z Pro support rails can be combined with the following items		Position	Catalog
129200-000	Pro internal connector	1	Page 83
165005-003	Elevation Pro	2	Page 16
165005-004	Module Support Pro	3	Page 15
943410-025	Bolt M10x25 square A2	4	Page 98
113009-003	SingleFix Pro	5	Page 61
129063-002	RapidConnect90	6	Page 83
129063-020	Rapid cross connector 90 Pro	7	Page 57
119026-102	Rapid2+ Pro SML	8	Page 75
119026-122	RapidPro L	9	Page 49
129063-010	Cross connector RapidPro	10	Page 81
119001-020	KlickTop Pro extension part for hanger bolt	11	Page 65

MODULE CLAMPS



MODULE CLAMPS CLASSIC

FOR FRAMED MODULES



CLASSIC WIDE

- Material: aluminum blank or black anodized
- Clamping height: 30-40 mm
- Clamping length: 50 mm
- Clamping depth: 10 mm
- For mounting direction portrait (V) and/or landscape (H)

Aluminum, untreated	Black anodized	Item name	Installation type		
131121-021	131121-921	Middle clamp Classic Wide	V + H	PU: 100	LU: 6,400
131101-022	131101-922	End clamp Classic Wide V	V	PU: 50	LU: 6,400
131101-021	131101-921	End clamp Classic Wide H	H	PU: 50	LU: 6,400



RAPID16

- Material: aluminum blank or black anodized
- Clamp height: 30-40 mm or 40-50 mm with two clamp variants
- Clamping length: 50 mm
- Clamping depth: 7 mm
- For mounting direction portrait (V) and/or landscape (H)

Aluminum, untreated	Black anodized	Item name	Installation type		
131121-002	131121-902	Middle clamp Rapid16 40-50	V + H	PU: 100	LU: 6,400
131101-002	131101-902	End clamp Rapid16 40-50	V + H	PU: 50	LU: 6,400
131121-001	131121-901	Middle clamp Rapid16 30-40	V + H	PU: 100	LU: 6,400
131101-001	131101-901	End clamp Rapid16 30-40	V	PU: 50	LU: 6,400
131101-003	131101-903	End clamp Rapid16 30-40	H	PU: 50	LU: 6,400



RAPID16 L

- Material: aluminum blank
- Clamping height: 50 mm
- Clamping length: 100 mm
- Clamping depth: 7 mm
- For mounting direction portrait (V) and/or landscape (H)

AL blank	Item name	Installation type		
131121-111**	Middle clamp Rapid16 30 - 40 L	V + H	PU: 100	LU: 2,400
131101-101**	End clamp Rapid16 30-40 L	V	PU: 50	LU: 2,400

** Item will be discontinued. Available while stocks last.



PROLINE MODULE CLAMPS

FOR FRAMED MODULES



RAPID PRO

- Material: aluminum blank or black anodized
- Clamp height: 30-47 mm with one clamp
- Clamping length: 50 mm
- Clamping depth: 7 mm
- Mounting direction variable, portrait/landscape

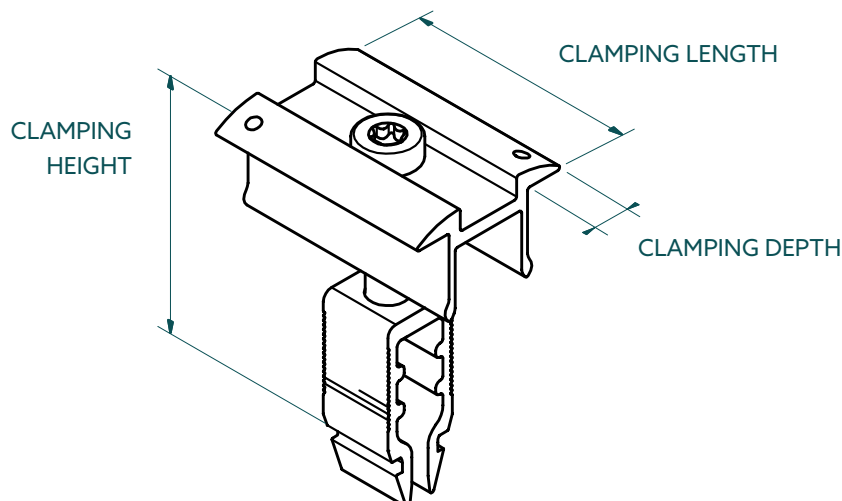
Aluminum, untreated	Black anodized	Item name	Installation type		
131020-001	131020-901	RapidPro middle clamp	V + H	PU: 100	LU: 6,400
131020-000	131020-900	RapidPro end clamp	V + H	PU: 50	LU: 6,400



PRO

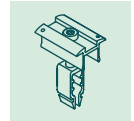
- Material: aluminum blank or black anodized
- Clamp height: 30-47 mm with one clamp
- Clamping length: 50 mm
- Clamping depth: 8.5 mm
- Mounting direction variable, portrait/landscape

Aluminum, untreated	Black anodized	Item name	Installation type		
131021-001	131021-901	Middle clamp Pro	V + H	PU: 100	LU: 4,800
131021-000	131021-900	End clamp Pro	V + H	PU: 50	LU: 5,600



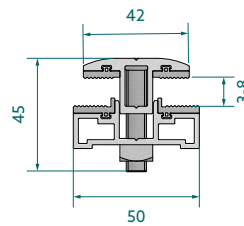
MODULE CLAMPS CLASSIC

FOR LAMINATE MODULES



LAMINATE PROFI SMALL

- Material: aluminum blank, rubber glass protection
- For laminate thicknesses 3-9 mm
- Clamping length: 80 mm
- Glass inset: 11 mm
- Clearance between modules: approx. 20 mm
- Incl. countersunk bolt and square nut



132201-308**	Profi middle clamp narrow 3 - 8 mm set	PU: 100	LU: 2,400
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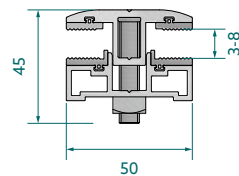
132101-308**	Profi end clamp narrow 3 - 8 mm set	PU: 100	LU: 2,400
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** Item will be discontinued. Available while stocks last.



LAMINATE PROFI WIDE

- Material: aluminum blank, rubber glass protection
- For laminate thicknesses 3-9 mm
- Clamping length: 80 mm
- Glass inset: 15 mm
- Clearance between modules: approx. 20 mm
- Incl. countersunk bolt and square nut



132202-308**	Profi middle clamp wide 3-8 mm set	PU: 100	LU: 2,400
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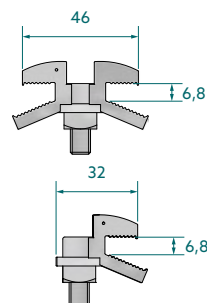
132102-308**	Profi end clamp wide 3-8 mm set	PU: 100	LU: 2,400
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** Item will be discontinued. Available while stocks last.



ECO CLASSIC LAMINATE

- Material: aluminum blank, rubber glass protection
- For laminate thicknesses of 6.8 mm
- Clamping length: 70 mm
- Glass inset: 11 mm
- Clearance between modules: approx. 22 mm
- Incl. M8 x 20 bolt without click-in component
- Certified clamps made of highly insulating EPDM rubber for First Solar Series 4 modules



133264-168**	Eco6-S4 middle clamp laminate 6.8 mm set	PU: 100	LU: 2,400
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133164-168**	Eco6-S4 end clamp laminate 6.8 mm set	PU: 100	LU: 4,800
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** Item will be discontinued. Available while stocks last.

139004-000	Bearing plate for Eco module clamp	PU: 200	LU: 22,400
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Aluminum sheet for the elevation of the overlay area at the Eco laminate clamp



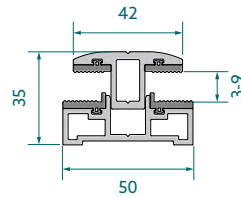
PROLINE MODULE CLAMPS

FOR LAMINATE MODULES



LAMINATE PROLINE SMALL

- Material: aluminum blank, rubber glass protection
- For laminate thicknesses 3-9 mm
- Clamping length: 80 mm
- Glass inset: 11 mm
- Clearance between modules: approx. 20 mm



132201-328**	Pro middle clamp narrow 3 - 9 mm set	PU: 100	LU: 2,400
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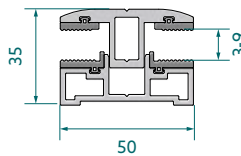
132101-328**	Pro end clamp narrow 3 - 9 mm	PU: 100	LU: 2,400
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** Item will be discontinued. Available while stocks last.



LAMINATE PROLINE WIDE

- Material: aluminum blank, rubber glass protection
- For laminate thicknesses 3-9 mm
- Clamping length: 80 mm
- Glass inset: 15 mm
- Clearance between modules: approx. 20 mm



132202-328**	Pro middle clamp wide 3-9 mm	PU: 100	LU: 2,400
---------------------	-------------------------------------	---------	-----------

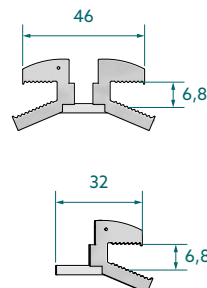
132102-328**	Pro end clamp wide 3-9 mm	PU: 100	LU: 2,400
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** Item will be discontinued. Available while stocks last.



ECO PROLINE LAMINATE

- Material: aluminum blank, rubber glass protection
- For laminate thicknesses of 6.8 mm
- Clamping length: 70 mm
- Glass inset: 11 mm
- Clearance between modules: approx. 22 mm
- Certified clamps made of highly insulating EPDM rubber for First Solar Series 4 modules

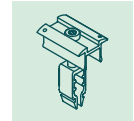


133264-268**	Eco6-S4 middle clamp 6.8 mm Pro	PU: 100	LU: 2,400
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133164-268**	Eco6-S4 end clamp 6.8 mm Pro	PU: 100	LU: 2,400
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** Item will be discontinued. Available while stocks last.





ACCESSORIES

BOLTS FOR LAMINATE CLAMP

— Material: Stainless steel



Accessories for the ProLine and Eco ProLine laminate clamps for mounting with Classic rails

943000-063	Cylinder head bolt with locking teeth M8x40, Torx 40, A2, DIN EN ISO 14580	PU: 100
943914-008	Square nut, A4	PU: 100

A2 and A4: corrosion-resistant stainless steel



Accessories for the ProLine and Eco ProLine laminate clamps for mounting with ProLine rails

943000-063	Cylinder head bolt with locking teeth M8x40, Torx 40, A2, DIN EN ISO 14580	PU: 100
942000-902	Pro hammerhead nut	PU: 100 LU: 9,600

A2 and A4: corrosion-resistant stainless steel



LAMINATE SAFETY HOOK

ANTI-SLIP PROTECTION FOR THE LAMINATE MODULES

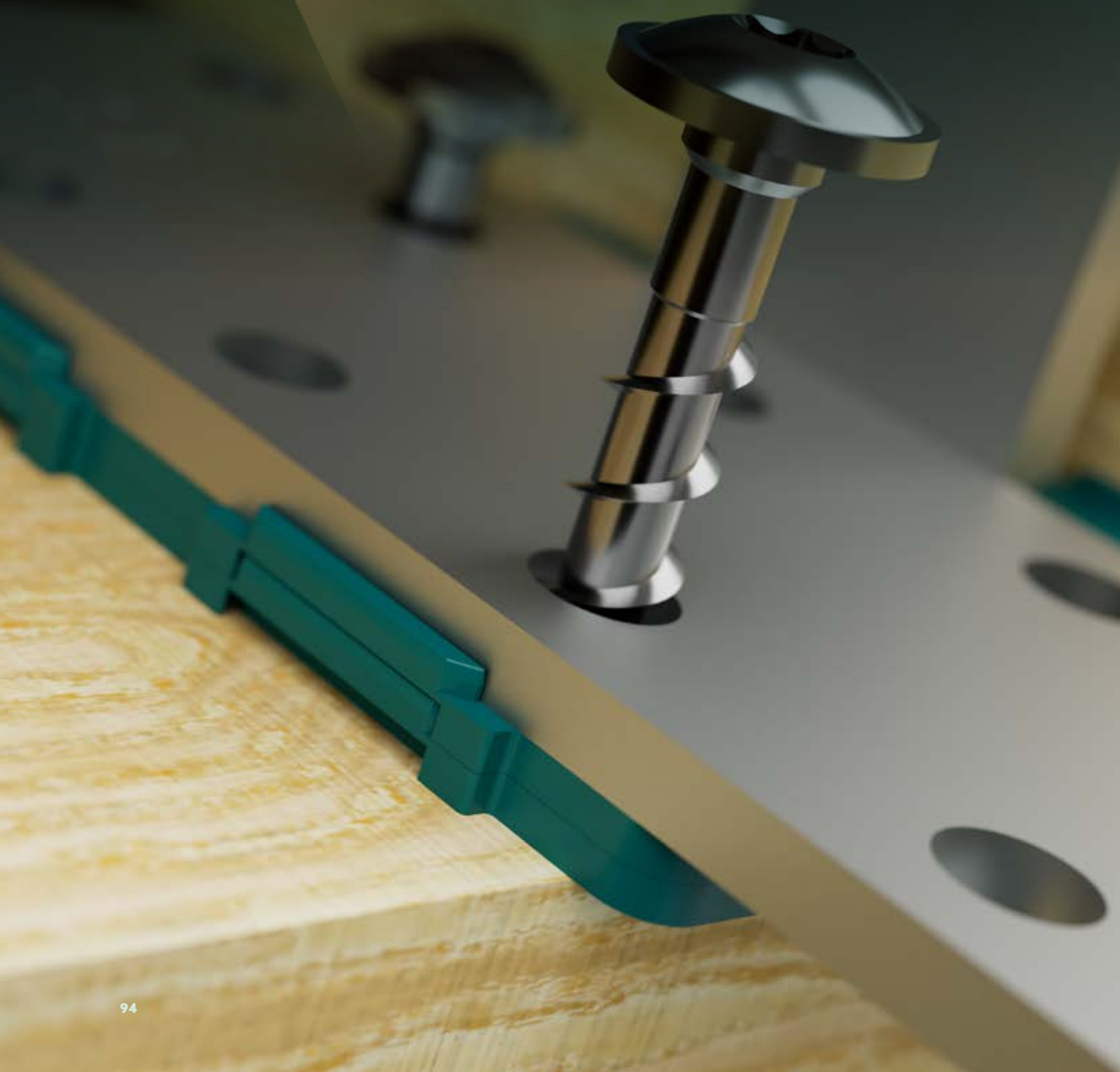
— Material: aluminum, rubber glass protection

139008-006**	Safety hooks, laminate 3 - 8 mm	PU: 100	LU: 800
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** Item will be discontinued. Available while stocks last.



ACCESSORIES



LIGHTNING PROTECTION AND POTENTIAL EQUALIZATION

ACCESSORIES



LIGHTNING PROTECTION CLAMPS

MATCHING THE CLAMP CHANNELS OF THE MOUNTING RAILS

— Material: corrosion-resistant stainless steel



135003-002 Grounding and lightning protection clamp A2 M8

PU: 20

LU: 9,600

for clamping range Ø 8 - 10 mm
Connection single/multi-wire 4-50 mm²
For the upper bolt channel



135003-022 Grounding and lightning protection clamp Pro A2 M8

PU: 20

LU: 9,600

for clamping range Ø 8 - 10 mm
Connection single/multi-wire 4-50 mm²
For the upper bolt channel



135003-000 Lightning protection clamp for 8 mm

PU: 20

LU: 9,600

for clamping range Ø 8 - 10 mm
Aluminum completely pre-assembled (for DM 8 mm wiring)
For the lower bolt channel



GROUNDING METAL SHEETS

FOR MODULE GROUNDING (NOT SUITABLE FOR LAMINATE CLAMPS)



135004-000 Grounding metal sheet

PU: 100

LU: 48,000



135004-020 Pro grounding metal sheet

PU: 100

LU: 48,000



PUNCHED MOUNTING TAPE

MADE OF ALUMINUM ALLOY

119015-002 Punched mounting tape 6 - Reel 50 m each

PU: 1

LU: 250

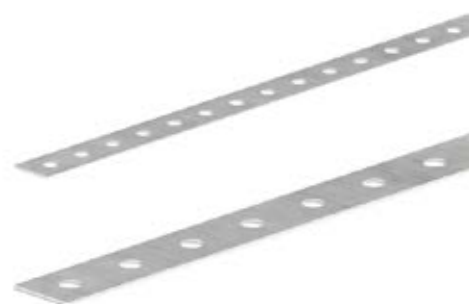
Cross section 9.36 mm²

119015-003 Punched mounting tape 16 - Reel 50 m each

PU: 1

LU: 48

Lightning current capable with 25.2 mm² cross section



CABLE ROUTING

ACCESSORIES

CABLE CLAMPS

FASTENER MADE OF UV- AND TEMPERATURE-RESISTANT PLASTIC

129065-001 Proklip-Multi 10S	PU: 100 LU: 11,200
Rails	Cable quantity*
Bottom clamping channel Classic and ProLine	approx. 4

Starting from a 6 mm² cable with a cable diameter of 6 mm.



129065-008 Proklip-Multi 8		PU: 100	LU: 11,200
Rails	Systems	Cable quantity*	
KlickNut M8 or clamping channel, Module support rails S, Module support rails Solo, Eco05, FixZ-7, FixZ-15, SoloPlus, SoloXL	FixZ-7, FixZ-15, system FS, carport, special projects	approx. 6	



129065-018 Proklip-Multi PS		PU: 100 LU: 11,200
Rails	Systems	Cable quantity*
KlickNut Pro for module support rail Pro35, Pro50, Pro70, Pro100	FixGrid Pro (the thin sheet metal bolt 943000-700 must be ordered separately for use with FixGrid Pro)	approx. 6



FASTENING BINDER

CABLE TIE LENGTH: 200 MM

149023-001 Mounting clips 1.0–3.0 mm, upper guide	PU: 100 LU: 24,000
Fastening on edges with a width of 1.0–3.0 mm	



149023-002 Mounting clips 1.0–3.0 mm, lateral guide	PU: 100 LU: 24,000
Fastening on edges with a width of 1.0–3.0 mm	



PROKLIP MULTI

CABLE ROUTING



PROKLIP-MULTI PS

- Compatible with the KlickNut Pro
- Bundles up to 6 cables
- Cable routing along the side of the module support rail
- Clamping in the KlickNut Pro
- The thin sheet metal bolt 943000-700 must be ordered separately for use with FixGrid Pro

PROKLIP-MULTI 10S

- Compatible with the bolt channel of the Classic and ProLine rails
- Bundles up to 4 cables
- Cable routing along the side of the module support rail
- Clamping in the clamping channel

PROKLIP-MULTI 8

- Compatible with the M8 KlickNut or the clamping channel of the Classic rails
- Bundles up to 6 cables
- Cable routing along the upper bolt channel
- Clamping possible in the upper or lower channel
- Compatible with the FixZ-7, FixZ-15, System FS, Carport, and special projects systems

BOLTS AND SMALL PARTS

ACCESSORIES

BOLTS

FOR USE IN SEVERAL CLASSIC AND PROLINE SYSTEMS

— Material: corrosion-resistant stainless steel A2

Hexagon head bolt, A2			
943610-025**	M10 x 25	DIN 933	PU: 100
943000-029	M10 x 25	DIN EN ISO 4017	PU: 100
943000-032	M10 x 35	DIN EN ISO 4017	PU: 100
943000-037	M10 x 45	DIN EN ISO 4017	PU: 100

** Item will be discontinued. Available while stocks last.

Square head bolt, A2			
943410-025	M10 x 25		PU: 100

Allen bolt with locking teeth, A2			
943000-025	M8 x 20	DIN EN ISO 4762	PU: 100

Allen bolt with Gleitmo coating, A2			
943000-024	M8 x 55	DIN EN ISO 4762	PU: 100

Half-round bolt with locking teeth, Torx 40, A2			
943001-238	M8 x 16	DIN 34805-2	PU: 100

Cylinder head bolt with locking teeth, Torx 40, A2			
943001-242	M8 x 16	DIN EN ISO 14580	PU: 100
943000-063	M8 x 40	DIN EN ISO 14580	PU: 100



STEEL BOLTS

FOR THE FASTENING IN STEEL GIRDERS, STARTING AT A THICKNESS OF 1.5 MM

— Material: corrosion-resistant stainless steel A2

Threaded bolt, self-grooving, A2			
943763-064**	6.3 x 64		PU: 100
943763-115**	6.3 x 115		PU: 100
943763-200**	6.3 x 200		PU: 50

** Item will be discontinued. Available while stocks last.

Threaded bolt, self-grooving, A2			
943718-064	8 x 64		PU: 100
943718-125	8 x 125		PU: 50
943718-150	8 x 150		PU: 50
943718-200	8 x 200		PU: 50





METAL SHEET BOLTS

FASTENING BOLTS FOR METAL SHEETS

— Material: corrosion-resistant stainless steel

943755-925	Drill bolts 5.5 x 25 with sealing washer	PU: 100
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Chips may be generated during the screw-in

943772-019	Repair bolt 7.2 x 19 self-grooving FABA-A A2	PU: 500
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Sheet metal bolts with seal		
943000-700	5.5 x 25 A2 thin sheet metal bolt with sealing washer With ETA, ETN, MCS012, and German building authority approval. For use in GER, FR, and UK.	PU: 100
943000-360	6.0 x 25 A2 thin sheet metal bolt with sealing washer With ETA, ETN, MCS012, and German building authority approval. For use in GER, FR, and UK.	PU: 100
943001-232	Thin sheet metal bolt 6.0 x 22 A2 with oZ sealing washer	PU: 100



WOOD BOLTS

FOR FASTENINGS IN WOOD SUBSTRUCTURES

— Material: corrosion-resistant stainless steel

Wood bolt with plate head, VA		
943208-080	8 x 80	PU: 100
943208-100	8 x 100	PU: 100
943208-120	8 x 120	PU: 50

Wood bolt with countersunk head and cutting notch, stainless steel		
943218-080	8 x 80	PU: 100
943218-100	8 x 100	PU: 100
943218-120	8 x 120	PU: 50

Wood bolt with plate head, steel galvanized		
942208-080	8 x 80	PU: 50
942208-100	8 x 100	PU: 50
942208-120	8 x 120	PU: 50



119016-000	Sealing with plate head bolts diam 8 EPDM	PU: 100 LU: 480,000
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BOLTS AND SMALL PARTS

ACCESSORIES

NUTS AND WASHERS

FOR USE IN SEVERAL CLASSIC AND PROLINE SYSTEMS

— Material: corrosion-resistant stainless steel A2 or A4

Washer large, A2			
943000-043	M8	DIN EN ISO 7093-1	PU: 100
943000-056	M10	DIN EN ISO 7093-1	PU: 100



Pro hammerhead nut		
942000-902	Pro hammerhead nut	PU: 100

Made of steel with zinc flake coating, suitable for screwing with stainless steel bolts



Flange nut with locking teeth, A4			
943000-015	M8	DIN EN 1661	PU: 100
943000-022	M10	DIN EN 1661	PU: 100



Nut self-securing, A4			
943001-240	M8	DIN EN ISO 7040	PU: 500



PLEASE NOTE: All lock nuts in all designs and grades are disposable and lose their clamping effect when screwed and unscrewed.



SQUARE NUTS AND KLICKIN

FOR USE IN CLASSIC SYSTEMS

Square nut, A4 stainless steel		
943914-008	Square nut M8, A4 Can be combined with Klicknut M8 and click-in component	PU: 100
943914-010	Square nut M10, A4 Can be combined with Klicknut M8 and click-in component	PU: 100



KlickIn click-in building block, plastic			
129010-008	KlickIn click-in component for M8 nut For simplified insertion of the M8 square nut, at any location on the KlickNut M8	PU: 100	LU: 96,000
129010-001	KlickIn click-in component for M10 nut For simplified insertion of the M10 square nut, at any location on the KlickNut M10	PU: 100	LU: 48,000



EPDM RUBBER INSERT 3 MM SELF-ADHESIVE

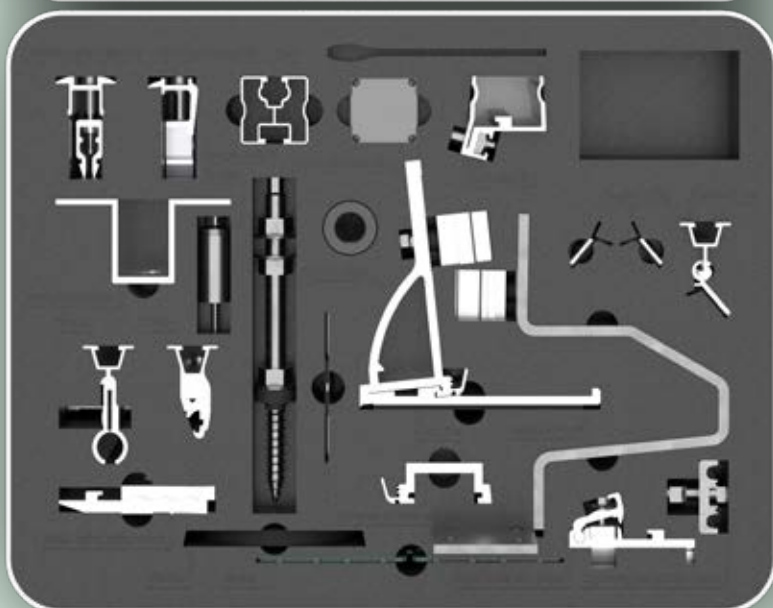
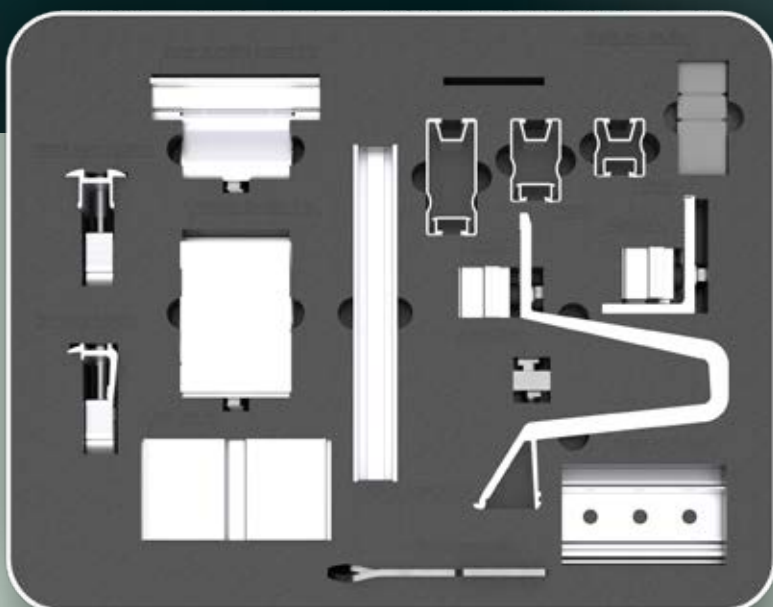
UV RESISTANT MATERIAL

973000-041	EPDM rubber self-adhesive 48 mm wide	Reel with 50 m
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SAMPLE CASE

ROOF SYSTEMS



ROOF SYSTEMS SAMPLE CASE

ALL MAJOR PRODUCT EXAMPLES OF THE SCHLETTER MOUNTING SYSTEMS.

195000-397 **Roof systems sample case**

Available on request
Similar illustrations

COMBINATORICS

TILE ROOF/METAL REPLACEMENT TILES

1

ROOF HOOKS

from page 39

**RAPID 2+ /
RAPID-A /
HSL**



**ECO /
UNIVERSAL /
ECO-A**



ALU-TILE



**ROOF HOOKS
BEAVER TAIL**



**SHEET METAL KIT
TILE**



**BEAVER TAIL
SHEET METAL KIT
TILE**



2

CONNECTORS

Page 102

SQUARE HEAD BOLT



RAPIDPRO L

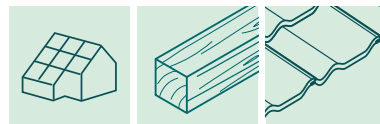


**RAPFIX PRO /
RAPFIX**



INFORMATION:

Additional roof hooks in special designs can be found on page 56



3

RAIL

from page 78

4

CLAMP

from page 88

MOUNTING RAIL PRO
35 / 50 / 70 / 100
+ CONNECTOR



CROSS CONNECTOR
PRO



MOUNTING RAIL
PRO



**MODULE CLAMPS
PRO**



MOUNTING RAIL SOLOPRO
+ CONNECTOR



RAPIDCONNECT90



MOUNTING RAIL
ECO / SOLO / SOLOPLUS
+ CONNECTOR



CROSS CONNECTOR



MOUNTING RAIL



MODULE CLAMPS



COMBINATORICS

STANDING SEAM ROOF

1

SEAM CLAMP

from page 52

2

CONNECTORS

Page 83

SEAM CLAMP PROLINE

503 / 504 / 510 / 520 /
522 / 524



RAPIDCONNECT90



CROSS CONNECTOR PRO



SEAM CLAMP VA

503 / 525



SQUARE HEAD BOLT



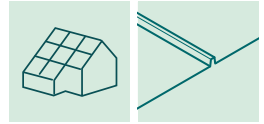
SEAM CLAMP CLASSIC

503 / 504 / 510 / 520 /
522 / 524



CROSS CONNECTOR



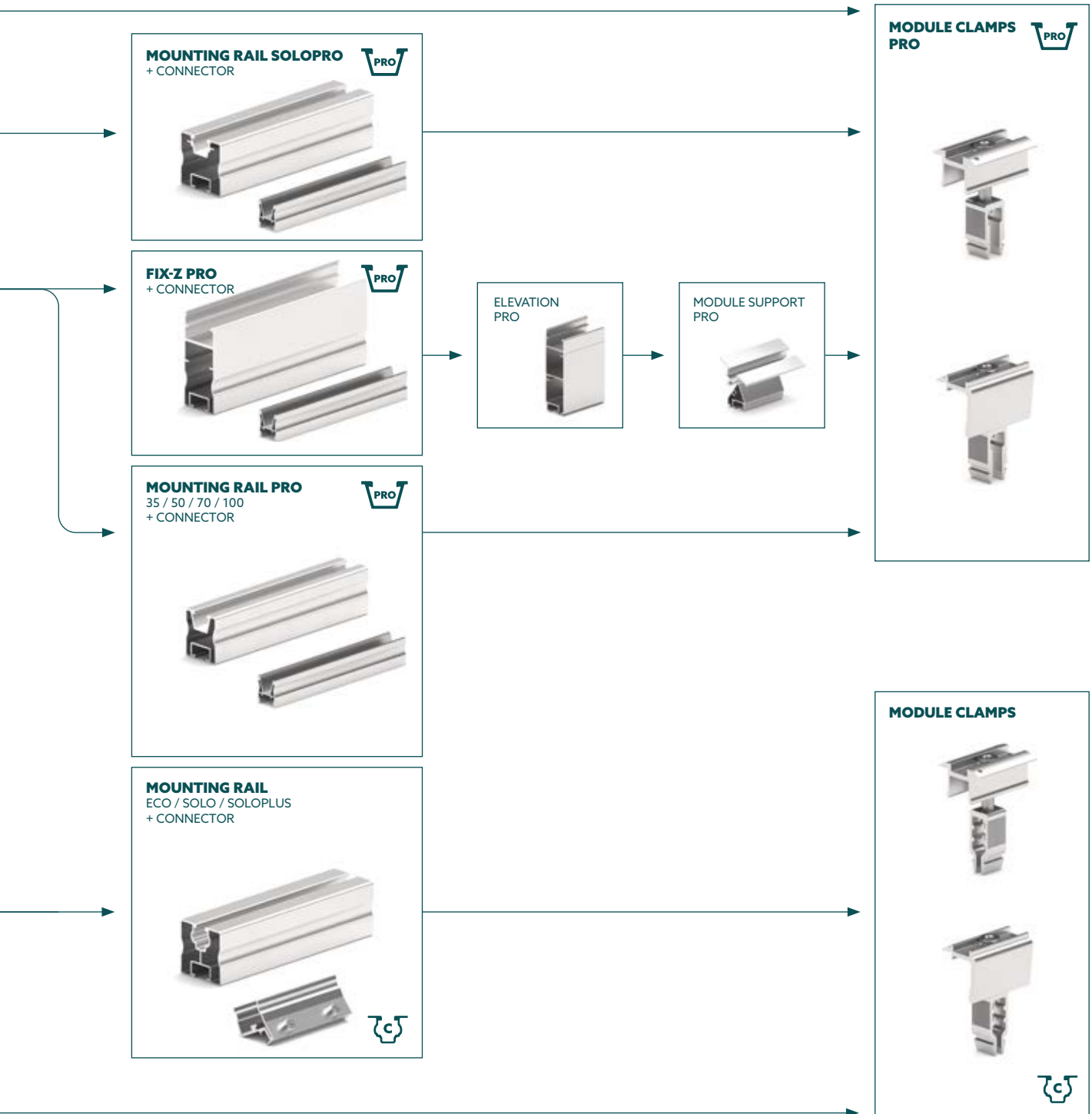


3 RAIL

from page 78

4 CLAMP

from page 88



COMBINATORICS

TRAPEZOID SHEET METAL AND SANDWICH ROOF

1

DIRECT FASTENER

Page 60

2

RAIL

from page 78

CLAMPFIT PRO



ECORAPID



SINGLEFIX



CLAMPFIT CLASSIC



FIX-Z PRO + CONNECTOR



MOUNTING RAIL SOLOPRO + CONNECTOR



MOUNTING RAIL PRO 35 / 50 / 70 / 100 + CONNECTOR

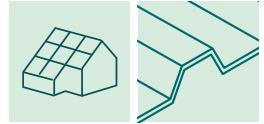


MOUNTING RAIL 450 MM ECOLIGHT / PRO35 / PRO100 / FIXZ-7 / FIXZ-15



MOUNTING RAIL ECO / SOLO / SOLOPLUS / SOLOXL + CONNECTOR



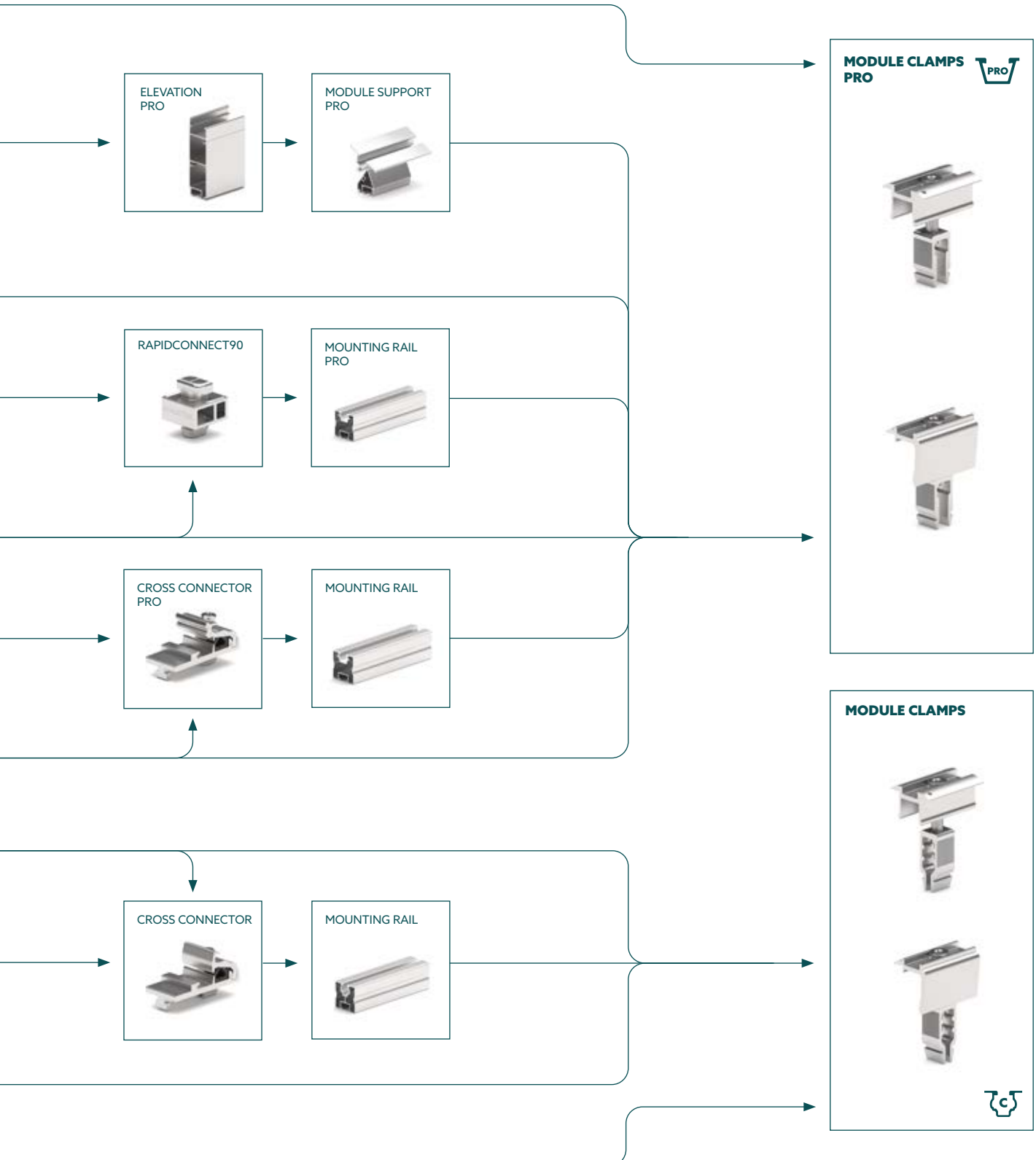


3 CONNECTORS

from page 15

4 CLAMP

from page 88



COMBINATORICS

TRAPEZOIDAL SHEET / SANDWICH ROOF / CORRUGATED SHEET METAL /
FIBER CEMENT / BITUMEN

1

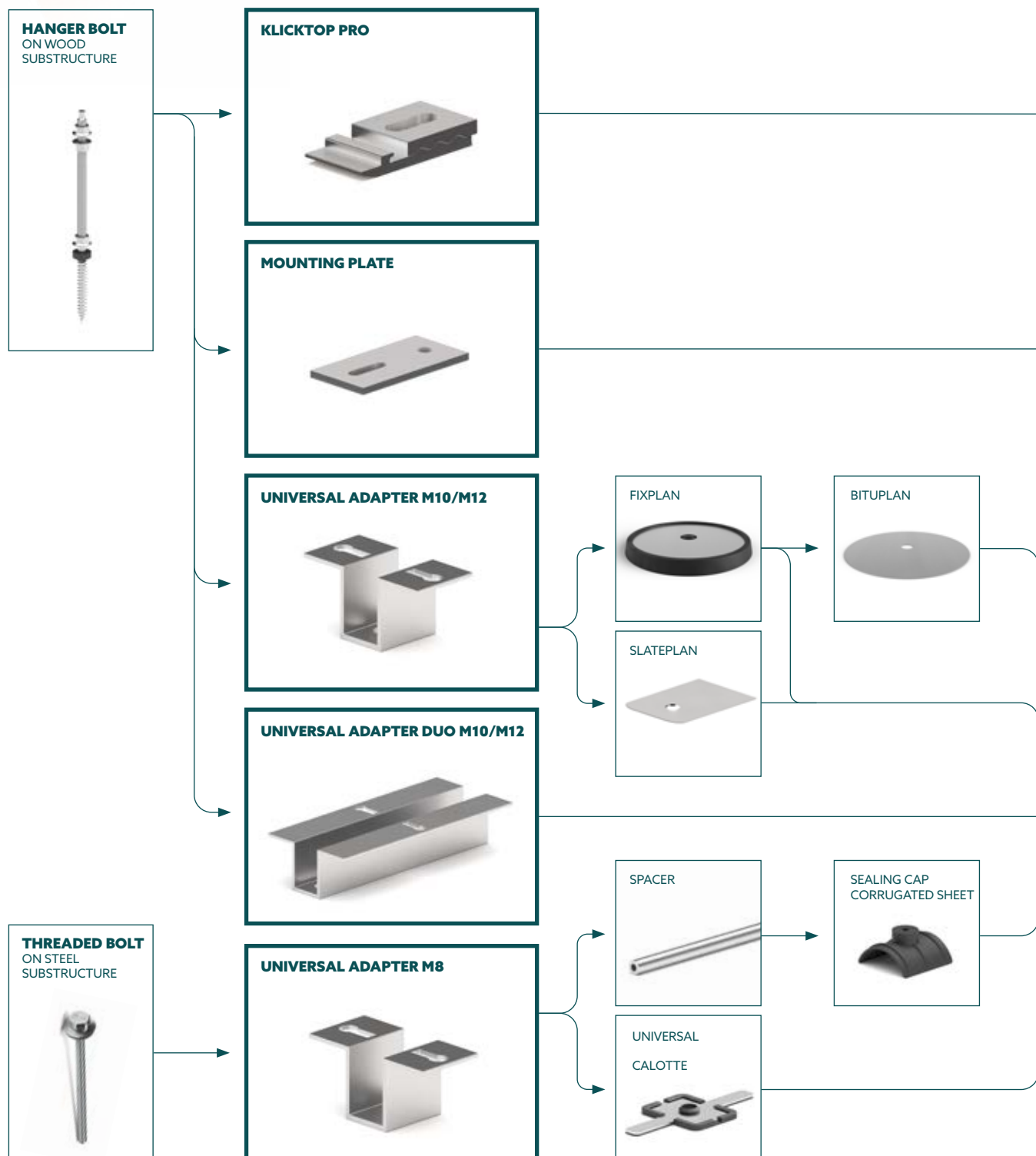
ADAPTER ON SUBSTRUCTURE

from page 65

2

SEALING LEVEL

from page 67





3 CONNECTORS

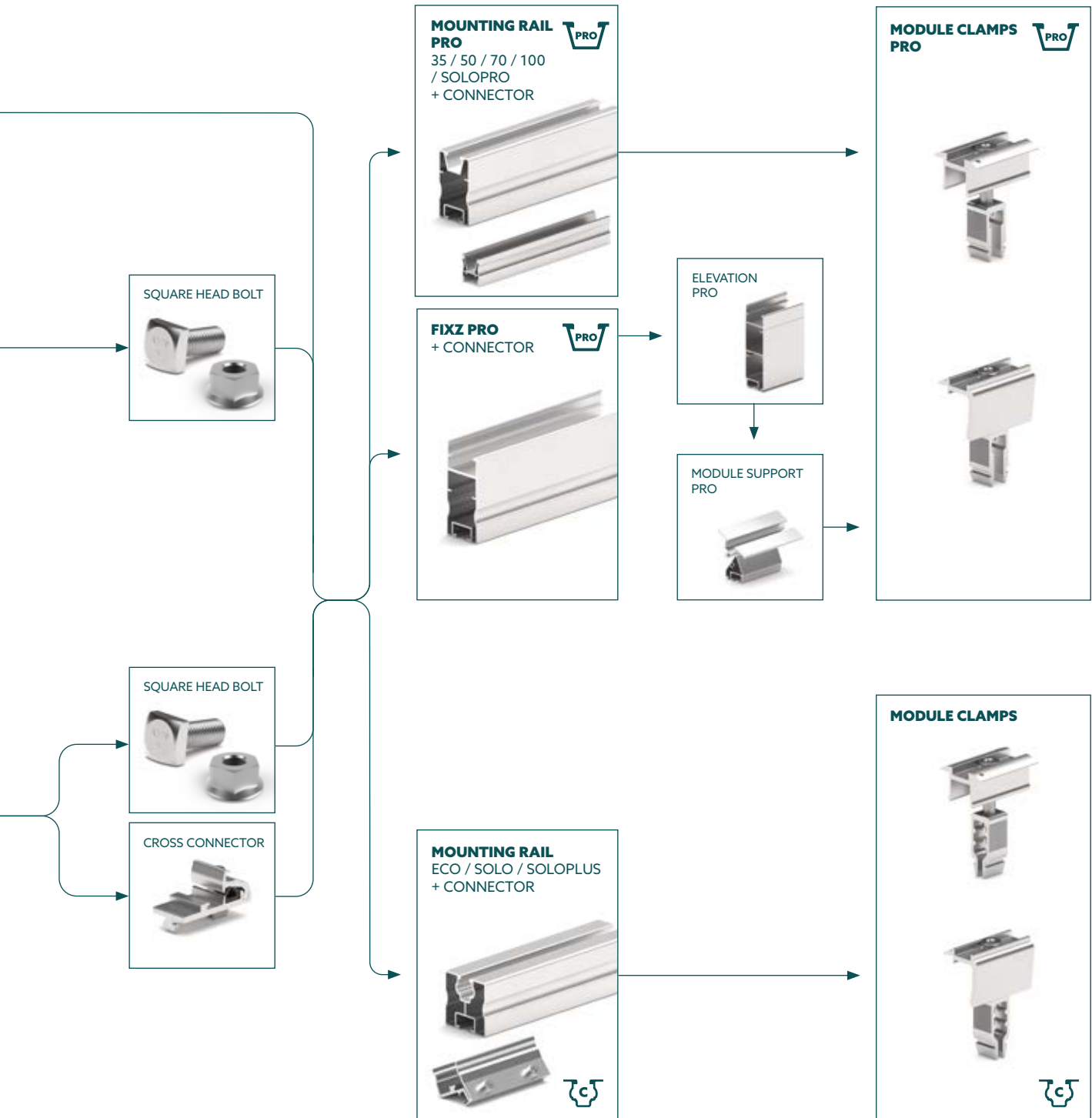
Page 83

4 RAIL

from page 78

5 CLAMP

from page 88



COMBINATORICS

BITUMEN / FLAT SHEET / SHINGLE

1

DIRECT FASTENER ON THE FORMWORK.

Page 75

2

SEALING LEVEL

Page 75

FIX T-K PRO



EPDM RUBBER



RAPID 2+ PRO SML

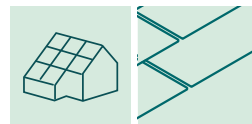


EPDM RUBBER



FIX T-K



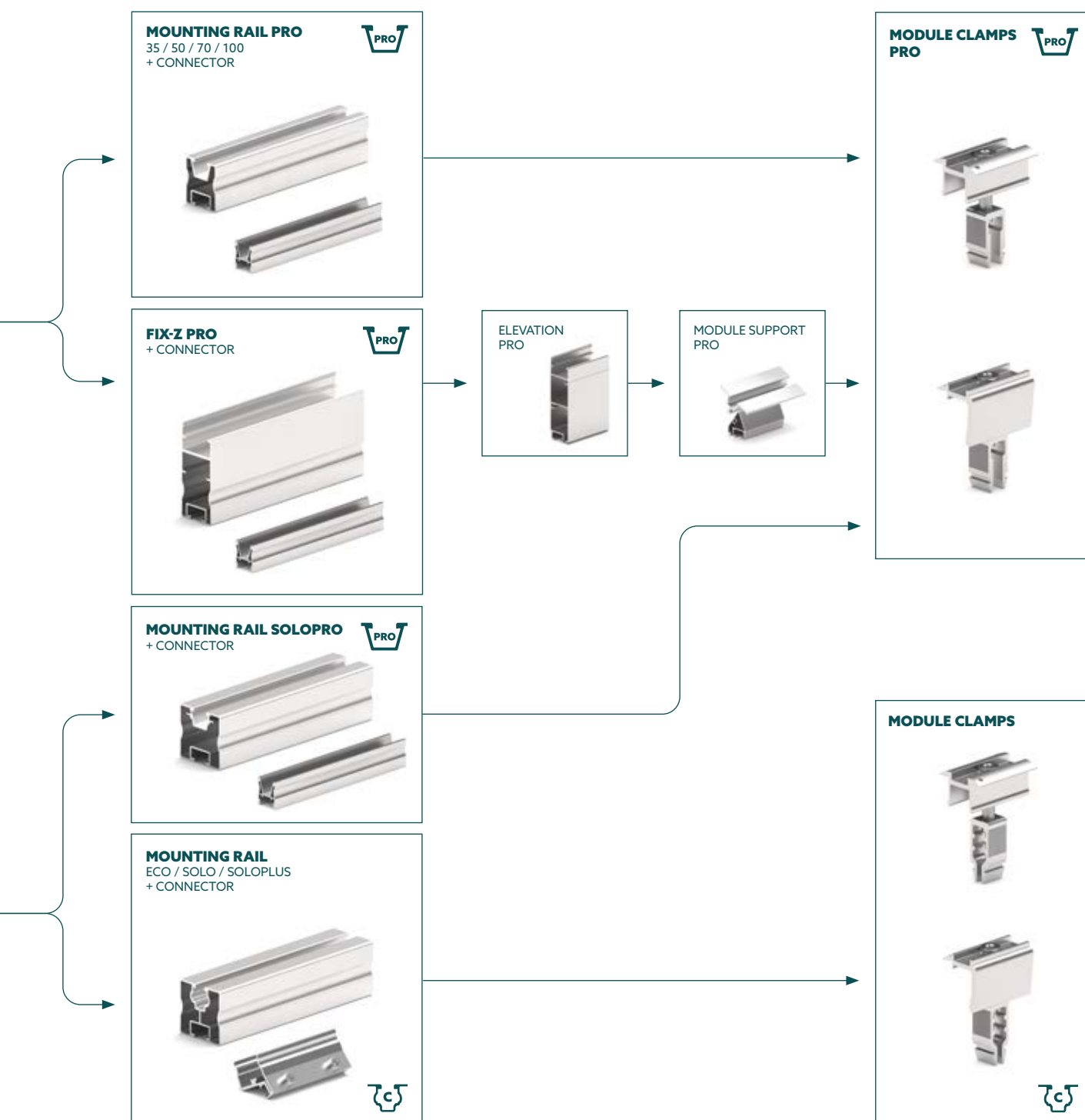


3 RAIL

from page 78

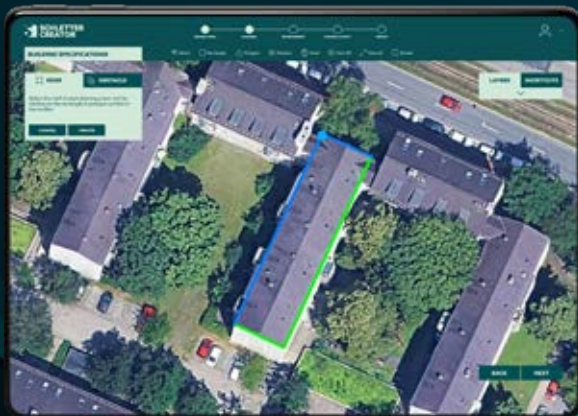
4 CLAMP

from page 88



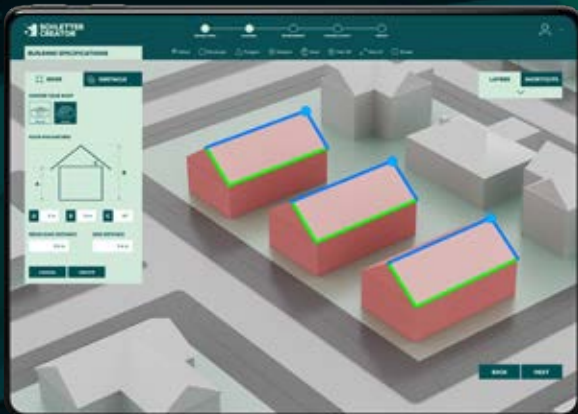
FROM A PLAN TO POWER.

YOUR PV PROJECT STARTS HERE.



1

Enter the address and define the roof area you are working on.



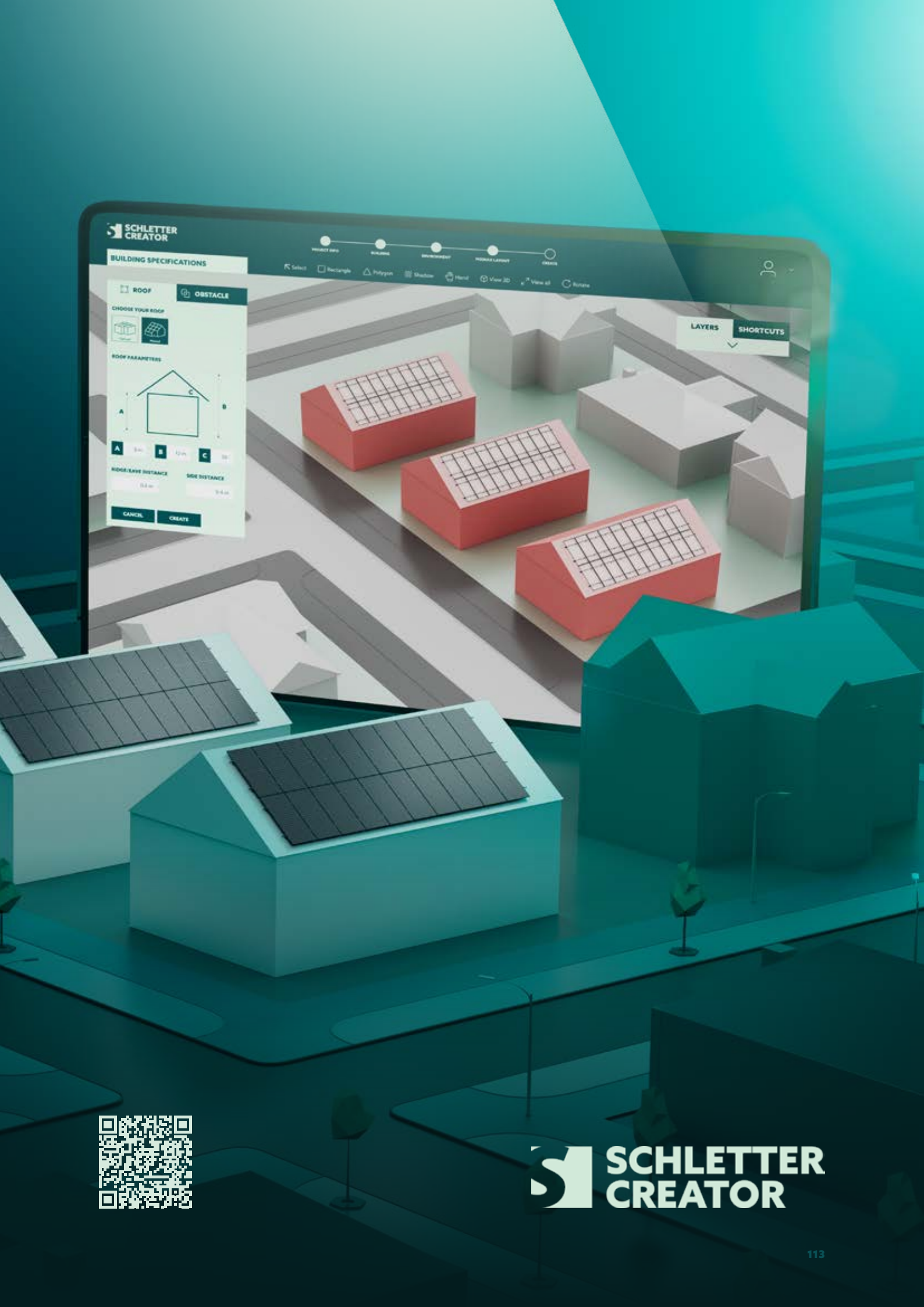
2

Use the 3D view in 360° to define the area precisely.



3

Please provide us with some information about the project. The software suggests the optimal arrangement, taking into account all relevant parameters.



SCHLETTER
CREATOR

BUILDING SPECIFICATIONS

ROOF

OBSTACLE

CHOOSE YOUR ROOF



ROOF PARAMETERS



A 9m B 12m C 15m

RIDGE/LINE DISTANCE

0.8m

SIDE DISTANCE

0.4m

CANCEL

CREATE

LAYERS

SHORTCUTS



SCHLETTER
CREATOR

DISTRIBUTION PARTNERS

BECAUSE WE CAN'T
SUPPORT SOLAR SOLO.

Thanks to our global network of authorized distributors and local branches, we can provide optimal support for your solar projects.

Your success is important to us. Therefore, we rely on distribution partners who offer sustainable solutions, supply high-quality components, provide reliable services and guarantee short delivery times.

Learn more about our 188 wholesale partners and find the right partner for your project at schletter-group.com.



GLOSSARY

A: Internal abbreviation for products made of aluminum.

AK: Roofing membranes, such as PVC membranes, contain plasticizers. Contact with construction protection mats can cause the plasticizer from the foil to migrate into the construction protection mat, which can lead to embrittlement of the roofing foil. The aluminum lamination on the underside of the building protection mat prevents plasticizer migration from the roofing membrane into the mat.

EN: Abbreviation for "European Standard". These standards are developed by European standardization bodies such as the European Committee for Standardization (CEN), the European Committee for Electrotechnical Standardization (CENELEC) and the European Telecommunications Standards Institute (ETSI). EN standards are standards that apply throughout the European Economic Area and are designed to ensure that products, services and processes are safe and of high quality.

EN AW 6060: An aluminum that is part of the Al-Mg-Si series (6000 series). This alloy is an extruded aluminum with moderate strength values, excellent weldability, corrosion resistance and anodizability.

EN AW 6063: An aluminum that is part of the Al-Mg-Si series (6000 series). This alloy is an extruded aluminum and similar to EN AW 6060, but with higher strength values. Other properties include excellent weldability, corrosion resistance and surface quality.

EPDM: Abbreviation for ethylene propylene diene monomer. A group of synthetic rubbers that are highly resistant to extreme weather conditions, heat, ozone and acids.

FH: Abbreviation for "flame-retardant" in relation to building protection mats.

H: Internal abbreviation for "landscape module alignment".

HSL: Internal abbreviation for "high snow load regions". Other meanings: English "High Strength Low-Alloy Steel", German "hoch-fester niedriglegierter Stahl".

MAX: Internal abbreviation indicating that the product is designed for high snow loads.

PA: Abbreviation for polyamide, a thermoplastic polymer known for its high strength and good chemical resistance.

PRO: Internal abbreviation for the ProLine product series, indicating that the product is compatible with the ProLine modular support rails.

SK: Abbreviation for "self-adhesive" in the context of building protection mats. The mats are equipped with an adhesive layer that allows for easy and quick installation without the need for additional adhesives.

T66: The material designation EN AW 6060-T6 indicates the heat treatment condition of the material. It describes the mechanical properties that the aluminum has acquired through targeted treatment. T66 means that the material has been solution annealed and then artificially aged to achieve higher strength.

UNIVERSAL: Internal abbreviation in the product group roof hooks, which describes that the product offers a variable strut arrangement.

V: Internal abbreviation for "portrait module alignment".

VA: Abbreviation for "experimental melt austenite". "Austenite" designates a crystal structure in stainless steel that exhibits high corrosion resistance.

Originally, this designation was used for special stainless steel alloys that were tested in the early stages of development. Today, "VA" is often used as a synonym for stainless steel.

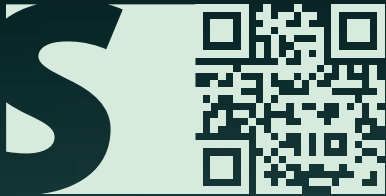
V2A: A chromium-nickel steel (CrNi steel) that is commonly used in industry. It is corrosion-resistant and is often used for applications such as railings, sinks and vehicle construction.

V4A: An advanced development of V2A, which additionally contains molybdenum (CrNiMo steel). This alloy offers higher corrosion resistance and is often used in marine environments or in the chemical industry.

2+: Internal abbreviation for the product group roof hooks, which have a pre-assembled multi-adapter that allows the mounting of Classic and ProLine module support rails.

WE SUPPORT SOLAR.

For competent and comprehensive advice when planning your system, and for questions about logistics and order processing, our employees are gladly available to you.



SCHLETTER SOLAR GMBH
Alustrasse 1, 83527 Kirchdorf, Germany

www.schletter-group.com