RRACKS®



YOUR SOLAR INSTALLATION PARTNER

RRACKS™ PRODUCT CATALOGUE | 2026

LEVEL 2, 1 CHAPEL STREET, BLACKBURN, VICTORIA 3130, AUSTRALIA

RRACKS.COM

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1 INTRODUCTION

RRACKS™ WHO WE ARE

WE ARE RRACKS®

A Solar Engineering Company specializing in the highest quality solar mounting structures available on the market

With many years of experience, we design and produce the industry's fastest solar mounting solutions. RRACKS™ specializes in meeting all manufacturing and wind loading standards, including **AS/NZ 1170,** ensuring our structures are built to the highest levels of strength and quality. RRACKS™ has continually improved the standard of its structures with expert teams from the USA, Europe, Asia, and Australia. Collectively, our team has over **25 years** of experience in the solar EPC industry. To create RRACKS™, our solar engineering experts collaborated with leading manufacturing companies in China, with over 30 years of manufacturing experience. This combination of expertise has produced outstanding products made to the highest standards of quality and design—all while remaining affordable. We are committed to growing alongside our customers so that, as trends develop, we can fulfill their needs. No project is too big or too small, and location is never an issue, as we execute projects on a global scale. We are a financially structured company with the bankability to execute solar mounting projects of any size—whether ground or roof structures, we can deliver for you.



OUR PROMISE

INDUSTRY LEADING 25-YEAR WARRANTY

RRACKS™ uses only the highest quality aluminium, stainless steel, and steel raw materials to create superior solar mounting solutions. We stand behind the durability of our products, offering a solid **25-year** guarantee on all aluminium and stainless steel components

EXPERT ENGINEERING SERVICES

Drawing on extensive experience in the solar sector, RRACKS™ is dedicated to offering clients optimal solutions and designs for every project. Recognizing the unique nature of each solar project, our dedicated engineering and structural teams are here to answer all your questions.

EASE OF INSTALLATION

Time is money, and we know installation speed is key in solar PV. That's why RRACKS™ carefully designs all products for quick installation. With years of experience working with installers, we understand the vital need for a safe, reliable system that installs rapidly and efficiently.

EXCEPTIONAL MANUFACTURING

With over **30 years** of experience manufacturing aluminium and steel components under strict **ISO 9001** standards, quality is central to RRACKS™'s program. We are committed to working with our customers to ensure the highest quality products are delivered on time, every time.

WIDE ARRAY OF DESIGN

Our engineering team is always available to assist customers, even with designing solar mounting solutions. From small roofs to large utility farms, our experienced team is ready to help. We have extensive knowledge in rooftop layout and design, particularly with varying soil and wind conditions

EFFECTIVE LOGISTICS MANAGEMENT

Getting your products on time is crucial in today's fast-paced world. Our company is committed to keeping your stock secure in our warehouse. From handling shipping to clearance documents, our dedicated staff will make sure your shipment reaches your door safe and sound

AS/NZS 1170 CERTIFIED · SPAD CONSULTING ENGINEERS think lateral · SGS ISO 9001 · ISO 9001 · SMETA Sedex Members Ethical Trade Audit · Lawrence & Hanson A Sonepar Company | SOLAR + SOLUTIONS

Australian Exclusive Partner

RRACKS™ OUR PEOPLE

PETER SECOMBE

MANAGING DIRECTOR



Peter Secombe has been in the solar business for the past **16 years** and has been heavily involved in the design and manufacturing of solar mounting structures for companies worldwide, including in Japan, Australia, New Zealand, South Africa, Europe, the Philippines, and Thailand. Peter has participated in many solar projects in Southeast Asia, working with large solar companies such as Super Energy, SPCG, and Thai Solar Energy, who together have installed more than **1 GW** of solar farms in the region. Peter has also gained years of experience working with solar developers, engineering procurement and construction (EPC) firms, and solar professionals around the world, being involved in more than **500 MW** of solar projects. This experience gives him an edge when consulting and planning solar projects. Design and engineering are passions within Peter's skill set. For the past **16 years,** he has led a team of design engineers focused on creating and manufacturing solar mounting structures that are not only cost-effective to produce but also quick to install. Peter has worked with the **AS/NZ 1170** code for many years, always designing products to strict Australian standards and focusing on quality to outlast the competition.



RRACKS™ OUR CAPABILITIES

EARLY WORK STUDIES AND CAPABILITIES

Our team has been involved in every aspect of engineering services for many large-scale projects. We offer stamped and certified documents for funding institutions, insurance, or EPC companies.

1 TOPOGRAPHIC & BOUNDARY STUDY

2 FLOOD STUDY & FLOOD PROTECTION DESIGN

3 SUB SURFACE INVESTIGATION

4 FOUNDATION DESIGN & PILE TESTING

5 SOIL CHEMICAL TESTING

6 WATER STORAGE (RESERVOIR) DESIGN

7 LIQUEFACTION POTENTIAL STUDY

8 ROAD & DRAINAGE DESIGN

9 PV MODULE LAYOUT & ELECTRICAL SYSTEM DESIGN

10 STRUCTURAL DESIGN & ENGINEERING SIGNOFF

11 BESPOKE STRUCTURE DESIGN & PROTOTYPING SERVICES

12 SOIL RESISTIVITY STUDY

ENGINEERING CONSTRUCTION WORKS

RRACKS™ can take care of the following services for your solar farm project. With years of experience in rooftop, ground mount, carport and utility scale projects, our team can design and manufacture solar mounting structures, as well as assist in the construction process. Our services include earthworks and drainage, land survey and pile point marking, pile installation, installation and assembly, module installation, cable trench, DC connection, and grounding installation.

1 EARTHWORKS & DRAINAGE

2 LAND SURVEY & PILE POINT MARKING

3 PILE INSTALLATION

4 INSTALLATION & ASSEMBLY

5 MODULE INSTALLATION

6 CABLE TRENCH

7 DC CONNECTION

8 GROUNDING INSTALLATION

PROJECT MANAGEMENT CONSULTANCY

The RRACKS™ team of engineers has been in the solar farm business for more than **20 years**, both leading and consulting on more than **200 MW** of solar farm projects globally.

1 SITE MANAGEMENT

2 STAFF INSTALLATION TRAINING

3 SAFETY TRAINING

4 PLANNING & DESIGN

5 LOGISTICS PLANNING

6 SCHEDULE & BUDGET PLANNING





RRACKS™ CONTACTS

OUR GLOBAL FOOTPRINT

THAILAND OFFICE

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Phra Khanong, Khlong Toei, Bangkok 10110,
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sales@rracks.com

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Archbishop Reyes Ave, Cebu City 6000,
Philippines
sales@rracks.com

FRANCE OFFICE

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59780 Baisieux,
France
sales@rracks.com

AUSTRALIA OFFICE

Level 2, 1 Chapel Street, Blackburn,
Victoria 3130,
Australia
sales@rracks.com

VIETNAM OFFICE

Bitexco Tower, No 2 Hai Trieu Street,
Ho Chi Minh City 700000,
Vietnam
sales@rracks.com

NEW ZEALAND OFFICE

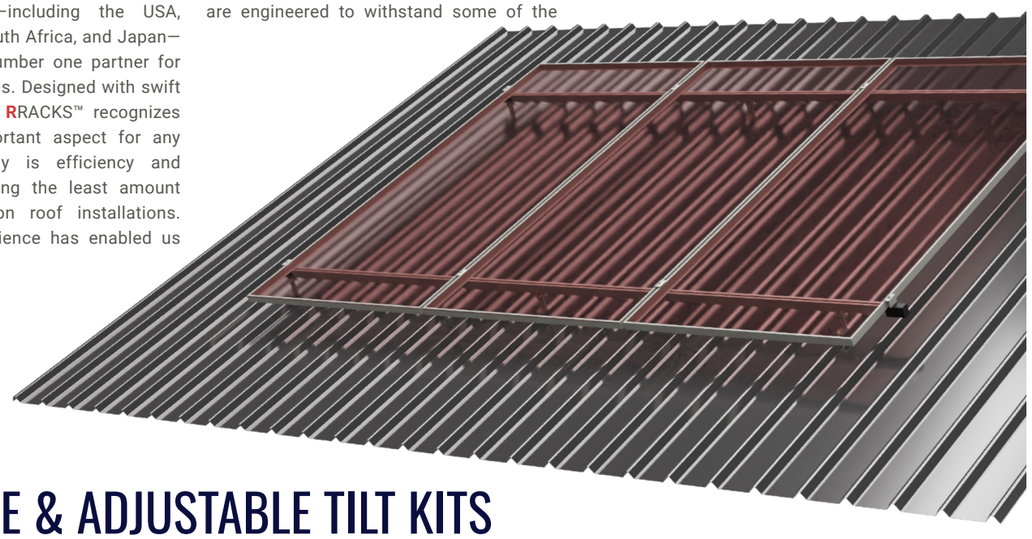
3/25 Opawa Rd, Waltham,
Christchurch 8011,
New Zealand
sales@rracks.com

RRACKS®

2 | ROOF MOUNT SOLUTIONS

With many years of experience in both residential and commercial solar rooftop solutions, **R**RACKS™ understands the various challenges that rooftop solar can present. Having specially designed solar roof mounting solutions for countries around the world—including the USA, Australia, the UK, South Africa, and Japan—**R**RACKS™ is your number one partner for all mounting solutions. Designed with swift installation in mind, **R**RACKS™ recognizes that the most important aspect for any installation company is efficiency and convenience: spending the least amount of time possible on roof installations. Our extensive experience has enabled us to design and produce the fastest solar mounting solutions available in the industry.

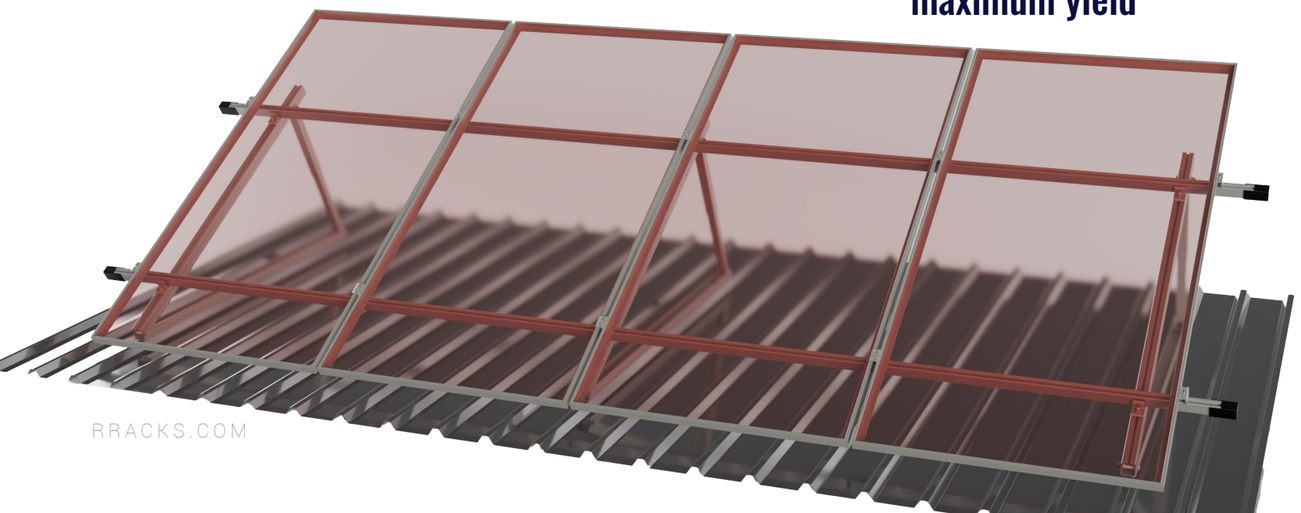
Our solar mounting solutions are all designed to **AS/NZ 1170** standards, meaning that all **R**RACKS™ solar structures are engineered to withstand some of the most extreme conditions in the world. Our long experience in manufacturing also ensures that we only use the best materials available to guarantee your peace of mind for all your solar installation needs



FOLDABLE & ADJUSTABLE TILT KITS

RRACKS™ Foldable Tripods are built for easy transportation and speedy installation. Simply unfold the tilt leg to the required tilt angle on your roof, and easily attach cross rails with our cross brace connector in a matter of seconds. Like all **R**RACKS™ products, our foldable and adjustable tilt kits are also engineered to **AS/NZ 1170** standards, providing our clients with quality solar structures that are designed and manufactured with strength and quality. Available in **10 to 30 degree** tilt angles, both legs are fully adjustable and can be easily secured into position with a single M8 screw.

"Adjustable angle for maximum yield"



RRACKS™ ROOF MOUNTED CLICK SYSTEM

At **R**RACKS™ we always strive to improve our designs to save you time and make the installation experience more interesting.

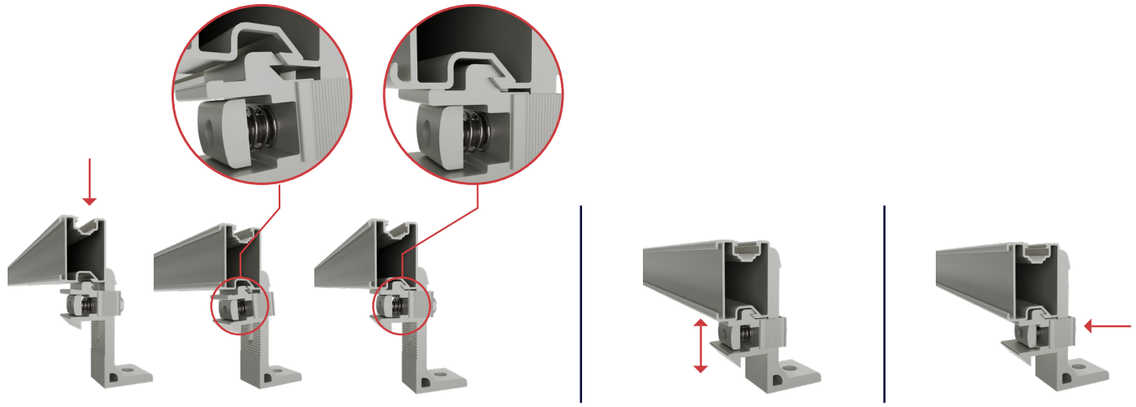
The Click System is the latest and most innovative design from **R**RACKS™, encapsulating our core values of high-tech design, worry-free installation, and the highest quality. The Click System is our most advanced design to date, engineered to save time, allow easy adjustability, and make your installation as pleasant as possible thanks to our one-touch spring-loaded leveling system.

Attach your rail in seconds, adjust as needed, then tighten all in place. With reported time savings of **35%** allowing you to present more competitive offers to your clients.

Manufactured from high strength 6005-T5 aluminium for maximum strength, our **R**RACKS™ Click System also comes backed by our industry leading **25 years** warranty.

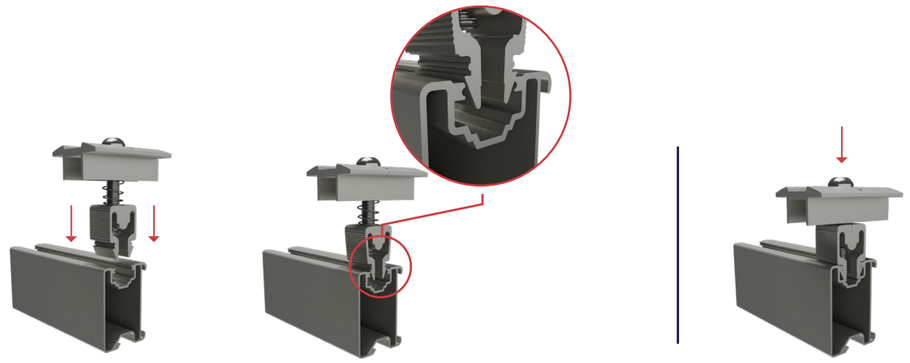
SIMPLE INSTALLATION STEPS

The Click System is fast, easy, and adjustable. It can be installed by following a couple of steps. Simply push down on the rail to attach it to **one-touch spring-loaded leveling system**, then adjust to the height you want and tighten to firmly hold in place.



CLICK ADJUST TIGHTEN

"Fast, easy and adjustable"

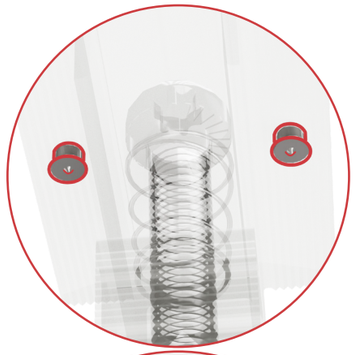


CLICK TIGHTEN

RRACKS®

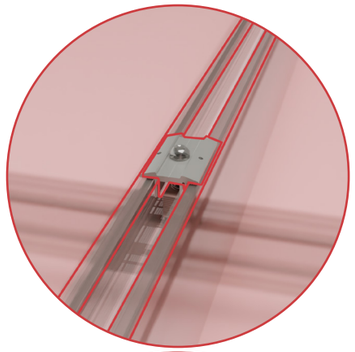
RRACKS CLICK SYSTEM SEAMLESS EARTHING

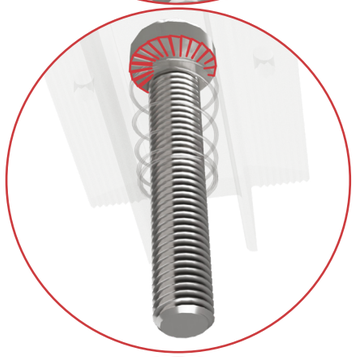
With the **R**RACKS integrated earthing clamps, you do not have to worry about the grounding of your system. Our Click System in mill-finished aluminium has been designed for a virtually effortless experience, without needing any extra parts or extra steps. Simply click-in and tighten your earthing clamp, and our proprietary three-stage grounding system automatically grounds your rails and panels together



1.

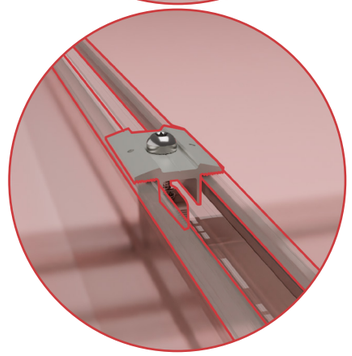
The earthing pins integrated into our clamp will help you pierce the anodizing of the panels and electrically ground each panel with the next one, through the top part of your mid-clamp.

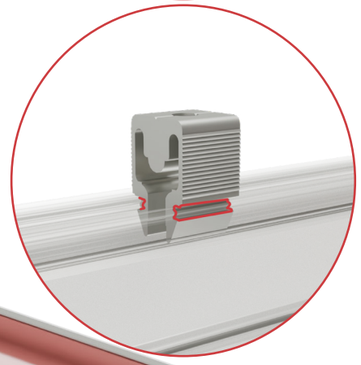




2.

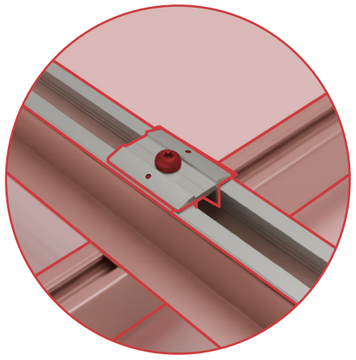
Thanks to the serrations of the screws of our mid-clamp, tightening it at 8-10Nm will break the anodization of the clamp, allowing for your screw, and by extension your clicknut, to be grounded with the panel frames.





3.

Thanks to our use of eco-friendly mill finished aluminium, the clicknut, when in contact with the rail, creates an earthing bond that grounds all of our system together, and gives you the peace of mind you have come to expect from **R**RACKS

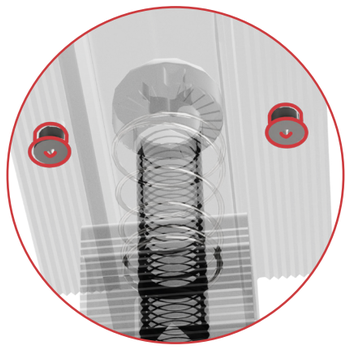


"Effortless earthing when using our eco-friendly mill finished aluminium"



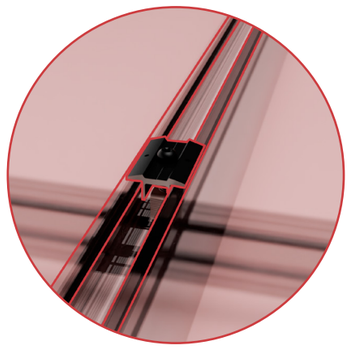
BLACK ANODIZED SYSTEMS EARTHING

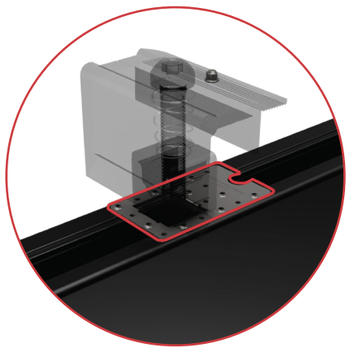
In the case that you are using anodized rails, the first step is the same, however you will need to add one universal earthing plate at your end clamp to ensure that the string of panels can earth correctly to the rail, you will only need two earthing plates per row of panels



1.

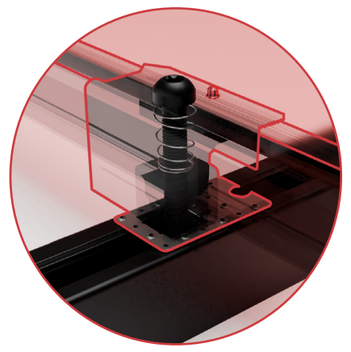
The earthing pins integrated into our clamp will help you pierce the anodizing of the panels and electrically ground each panel with the next one, through the top part of your mid-clamp.





2.

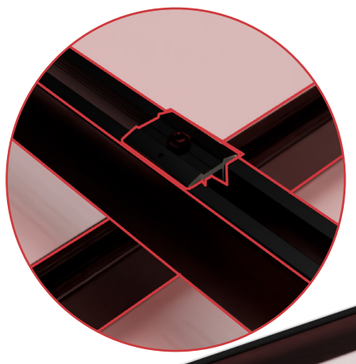
Place one of the **R**RACKS earthing plate around your end clamp before clicking in, to earth your rail to the entire string of panels. This step is only required for anodized rails.

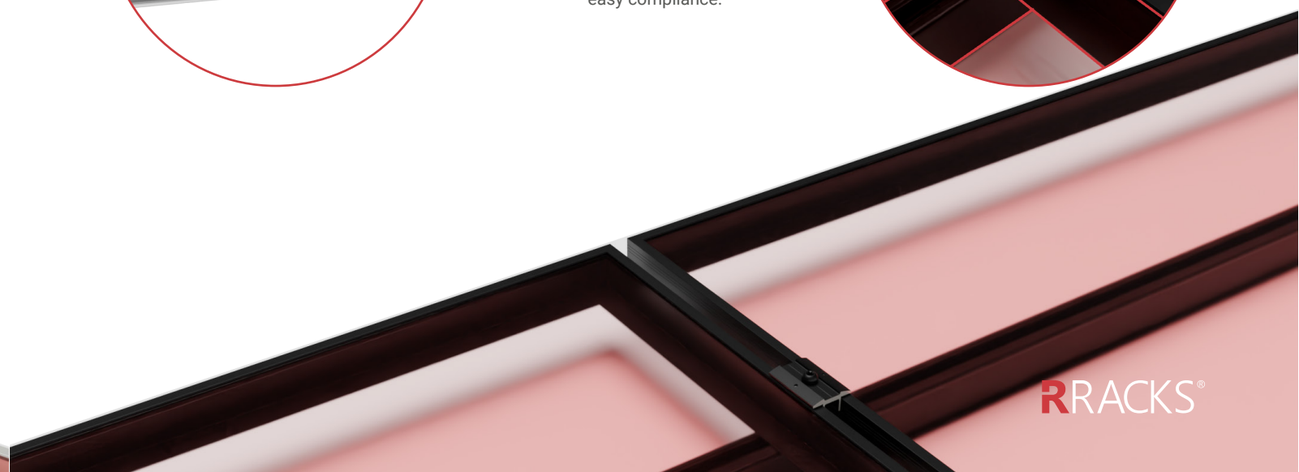




3.

Thanks to our specially designed joiner, tightening it in place will result in the screws piercing the anodization of both rails and grounding each rail to the next one, effectively grounding all your system together and ensuring easy compliance.





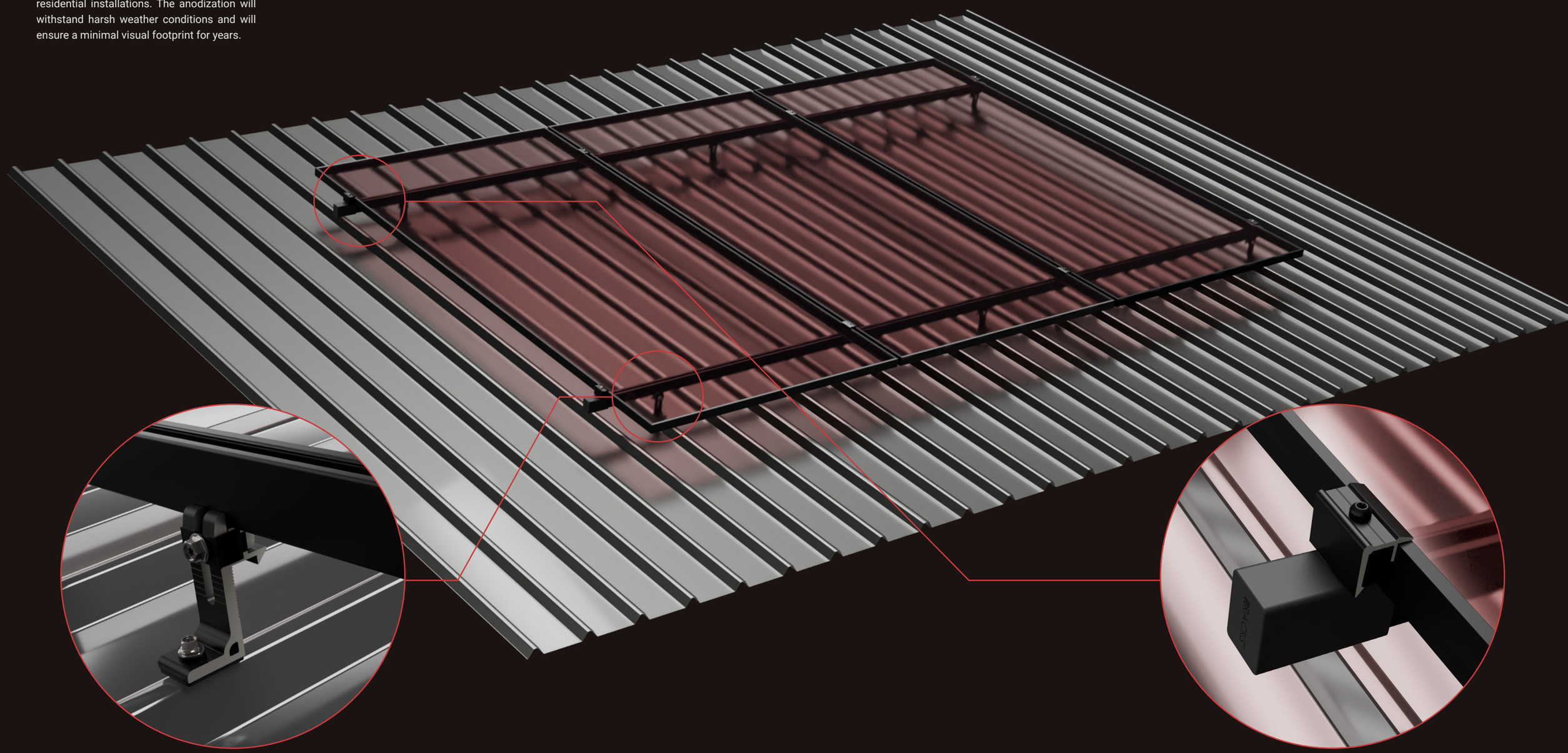
RRACKS® BLACK SERIES

RRACKS™ Black Series has been conceived with design in mind. The black anodized finish applied to the railing and clamps will fit perfectly with black panel in design-conscious residential installations. The anodization will withstand harsh weather conditions and will ensure a minimal visual footprint for years.

RRACKS™ Black Series comprises rail, mid, and end clamps, brackets and inverter covers.

RRACKS™ CLICK SYSTEM BLACK SERIES

“Black anodized solutions for your modern all-black designs.”



TIN ROOF

CLICK SYSTEM RAIL

RRACKS™ High Strength Rail is designed for all roof types, used with RRACKS™ Click System clamps and brackets. Custom lengths available up to 6m for bulk orders.

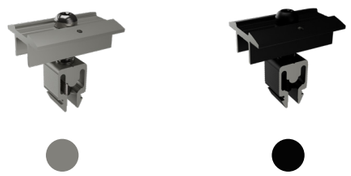


300-001S-MF	Standard Click Rail
300-001E-MF	Eco/Rezi Click Rail

MATERIAL AL 6005-T5

CLICK SYSTEM MID CLAMP

RRACKS™ Click System mid clamp, can clamp panels from 30 to 35mm.

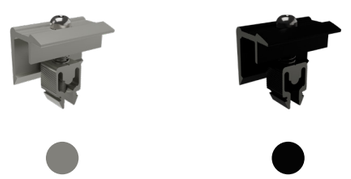


301-018S-SA	Earthing
301-021S-SA	No Earthing

MATERIAL AL 6005-T5 + SUS 304

CLICK SYSTEM END CLAMP

RRACKS™ Click System end clamp, can clamp panels from 30 to 35mm.



302-033S-SA	Earthing
302-022S-SA	No Earthing

MATERIAL AL 6005-T5 + SUS 304

CLICK SYSTEM L BRACKET

L bracket for the RRACKS™ Click System. Easily adjust your rail in seconds with the One-Touch Spring-Loaded Leveling System. Exists both with and without EPDM rubber seal. It is designed for use with various metal roof types. Please select roofing screws or compression clamps to suit your application.

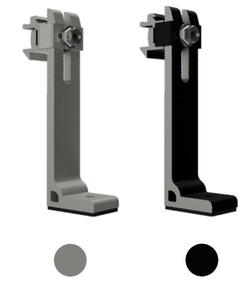


304-013S-MF	Standard, 6.8mm Hole, No EPDM
304-013E-MF	Eco, 6.8mm Hole, No EPDM
304-009S-MF	Standard, 6.8mm Hole, Flat EPDM
304-009E-MF	Eco, 6.8mm Hole, Flat EPDM
304-011S-MF	Standard, 6.8mm Hole, Sticky Flat EPDM
304-011E-MF	Eco, 6.8mm Hole, Sticky Flat EPDM
304-044S-MF	Standard, 8.3mm Hole, Sticky Corrugated EPDM
304-044E-MF	Eco, 8.3mm Hole, Sticky Corrugated EPDM
304-064S-MF	Standard, 8.3mm Hole, Flat EPDM
304-064E-MF	Eco, 8.3mm Hole, Flat EPDM
304-010S-MF	Standard, 10.5mm Hole, No EPDM
304-010E-MF	Eco, 10.5mm Hole, No EPDM

MATERIAL AL 6005-T5 + SUS 304

CLICK SYSTEM XL-BRACKET

XL bracket for the RRACKS™ Click System. Easily adjust your rail in seconds with the One-Touch Spring-Loaded Leveling System. Exists both with and without EPDM rubber seal. It is designed for use with various metal roof types. Please select roofing screws or compression clamps to suit your application.

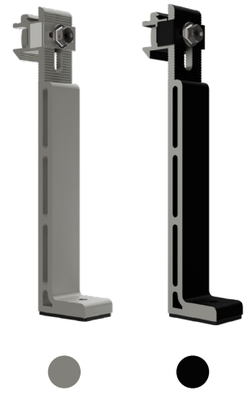


304-052S-MF	Standard, 6.8mm Hole, Flat EPDM
304-052E-MF	Eco, 6.8mm Hole, Flat EPDM
304-056S-MF	Standard, 8.3mm Hole, Sticky Corrugated EPDM
304-056E-MF	Eco, 8.3mm Hole, Sticky Corrugated EPDM
304-065S-MF	Standard, 8.3mm Hole, Flat EPDM
304-065E-MF	Eco, 8.3mm Hole, Flat EPDM
304-054S-MF	Standard, 10.5mm Hole, No EPDM
304-054E-MF	Eco, 10.5mm Hole, No EPDM

MATERIAL AL 6005-T5 + SUS 304

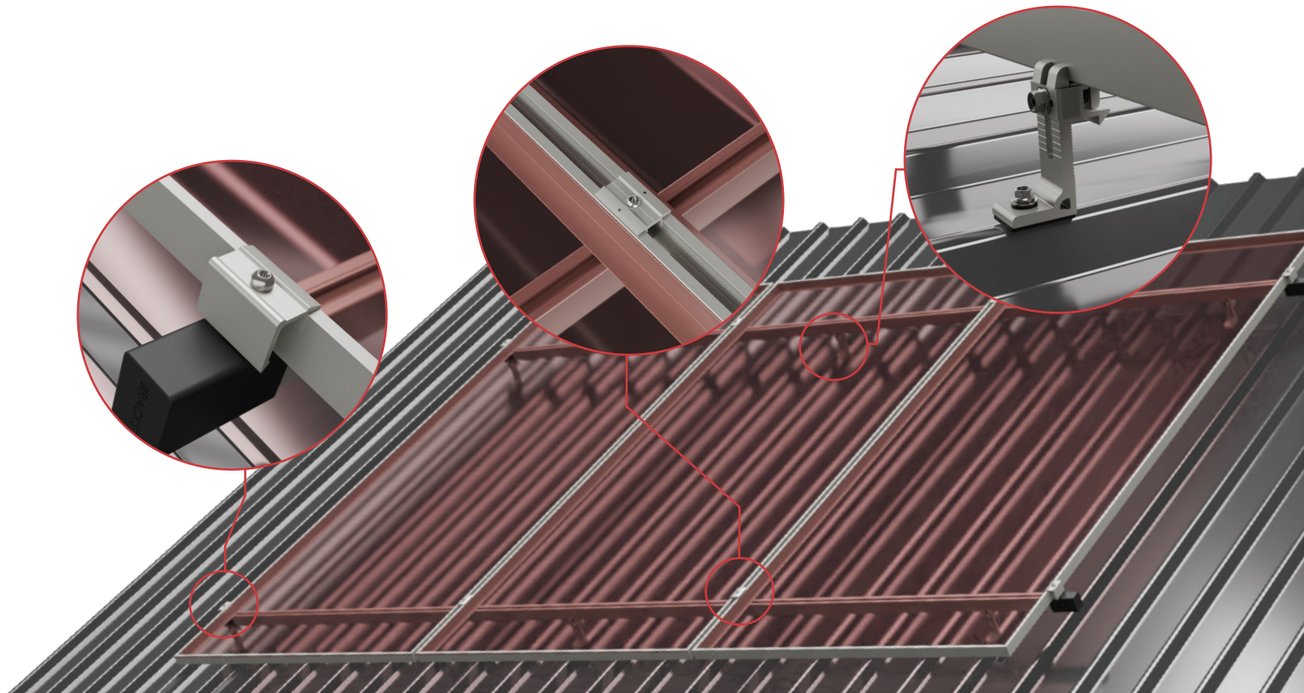
CLICK SYSTEM XXL-BRACKET

XXL bracket for the RRACKS™ Click System. Easily adjust your rail in seconds with the One-Touch Spring-Loaded Leveling System. Make the clearance between module and the roof higher. Exists both with and without EPDM rubber seal. It is designed for use with various metal roof types. Please select roofing screws or compression clamps to suit your application.

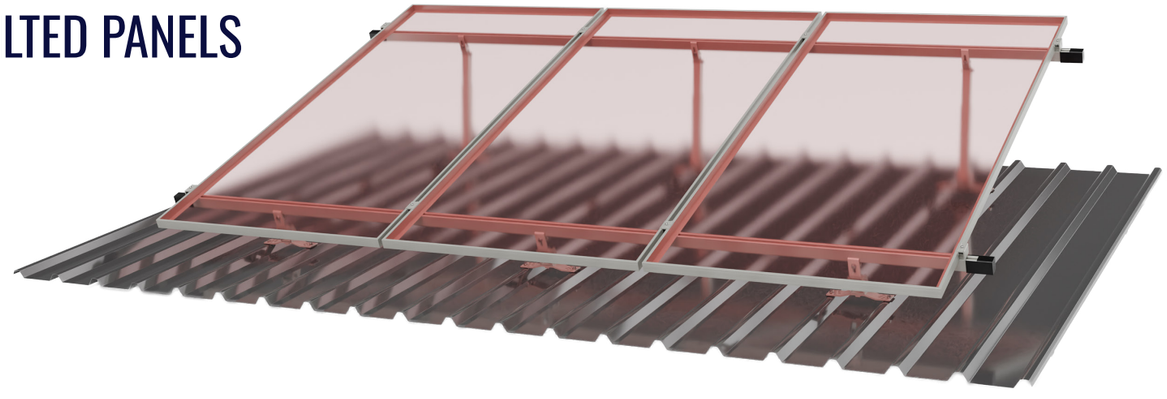


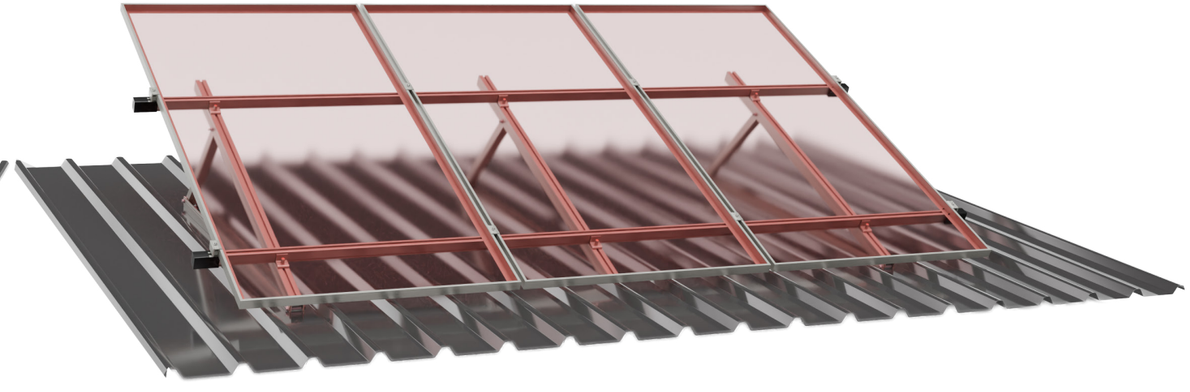
304-032S-MF	Standard, 6.8mm Hole, No EPDM
304-032E-MF	Eco, 6.8mm Hole, No EPDM
304-019S-MF	Standard, 6.8mm Hole, Flat EPDM
304-019E-MF	Eco, 6.8mm Hole, Flat EPDM
304-046S-MF	Standard, 8.3mm Hole, Sticky Corrugated EPDM
304-046E-MF	Eco, 8.3mm Hole, Sticky Corrugated EPDM
304-066S-MF	Standard, 8.3mm Hole, Flat EPDM
304-066E-MF	Eco, 8.3mm Hole, Flat EPDM
304-020S-MF	Standard, 10.5mm Hole, No EPDM
304-020E-MF	Eco, 10.5mm Hole, No EPDM

MATERIAL AL 6005-T5 + SUS 304



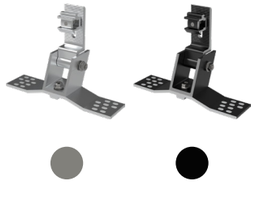
TILTED PANELS





STANDARD TILT FRONT LEG

The RRACKS™ Standard Tilt Front leg. It can be fixed directly onto the roof or on a RRACKS™ Kliplok Bracket.



358-018S-SA	**6.5mm Hole, For Tin Roof**
358-020S-SA	**8.5mm Hole, For Kliplok, Concrete Roof**

MATERIAL AL 6005-T5 + SUS 304

STANDARD TILT BACK LEG

The RRACKS™ Standard Tilt Back leg is a more cost-conscious way of installing tilted panels on a roof. It can be fixed directly onto the roof or on a RRACKS™ Kliplok Bracket. The length can be adjusted on the leg to reach the desired angle.



358-038S-SA	**6.5mm Hole, For Tin Roof**
358-039S-SA	**8.5mm Hole, For Kliplok, Concrete Roof**

MATERIAL AL 6005-T5 + SUS 304

ANGLE BASE

Angle support designed to be used along with one L-bracket and one XXL-bracket to give a 6.35° angle to the panels without needing to install full-on tilt systems. The angle base can be used with Kliplok brackets or with roofing screws.

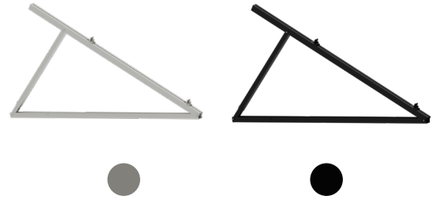


358-056S-MF	**6.35°, with 8.5mm Hole**

MATERIAL AL 6005-T5 + SUS 304

FOLDABLE TRIPOD TILT KIT

RRACKS™ Foldable Tripod Leg is adjustable from 10 to 60 degrees. Each leg completes one tripod. Must add rubber seal, corrugated bracket, or Klip-Lok bracket depending on roof type. 1.5m clamping range.

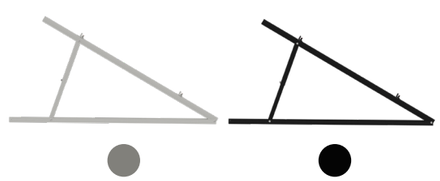


317-001S-SA-1450	10~30°
317-002S-SA-1650	30~60°

MATERIAL AL 6005-T5 + SUS 304

FOLDABLE XL TRIPOD TILT KIT

RRACKS™ Foldable XL Tripod Leg is adjustable from 10 to 60 degrees. Each leg completes one tripod. Must add rubber seal, corrugated bracket, or Klip-Lok bracket depending on roof type. 1.8m clamping range.

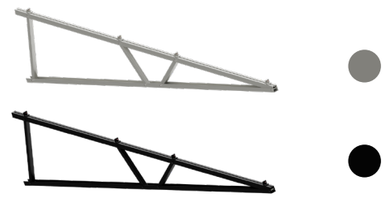


317-001S-SA-1750	10~30°
317-002S-SA-1750	30~60°

MATERIAL AL 6005-T5 + SUS 304

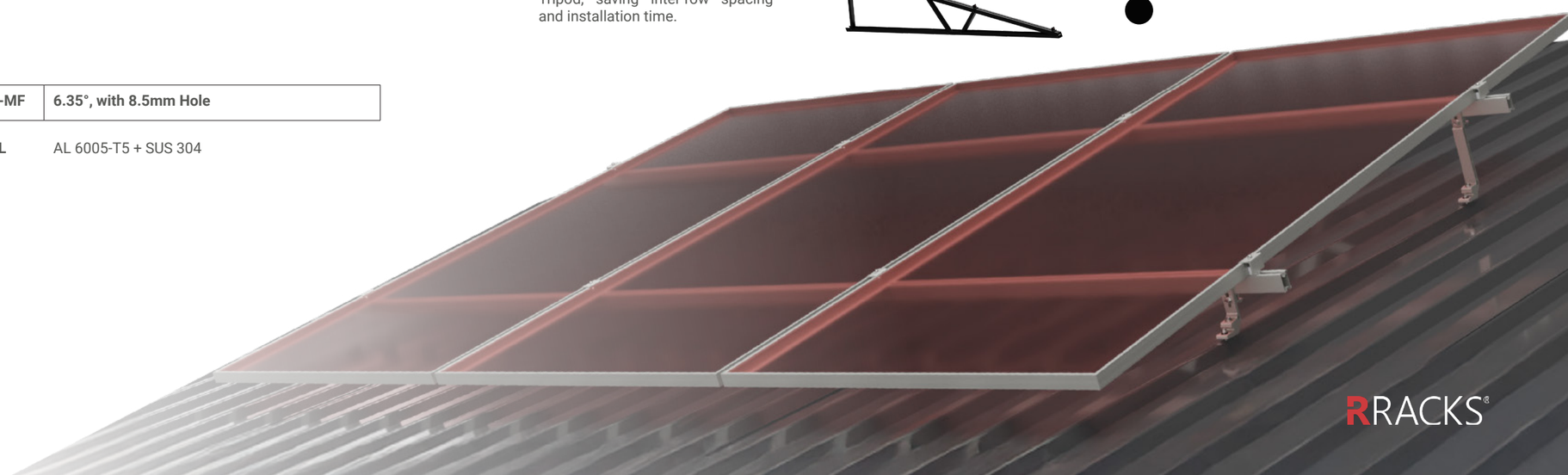
FOLDABLE XXL TRIPOD TILT KIT

RRACKS™ Foldable XXL tripod is designed at 10° Tilt, allowing you to install 2 vertical panels on the same Tripod, saving inter-row spacing and installation time.

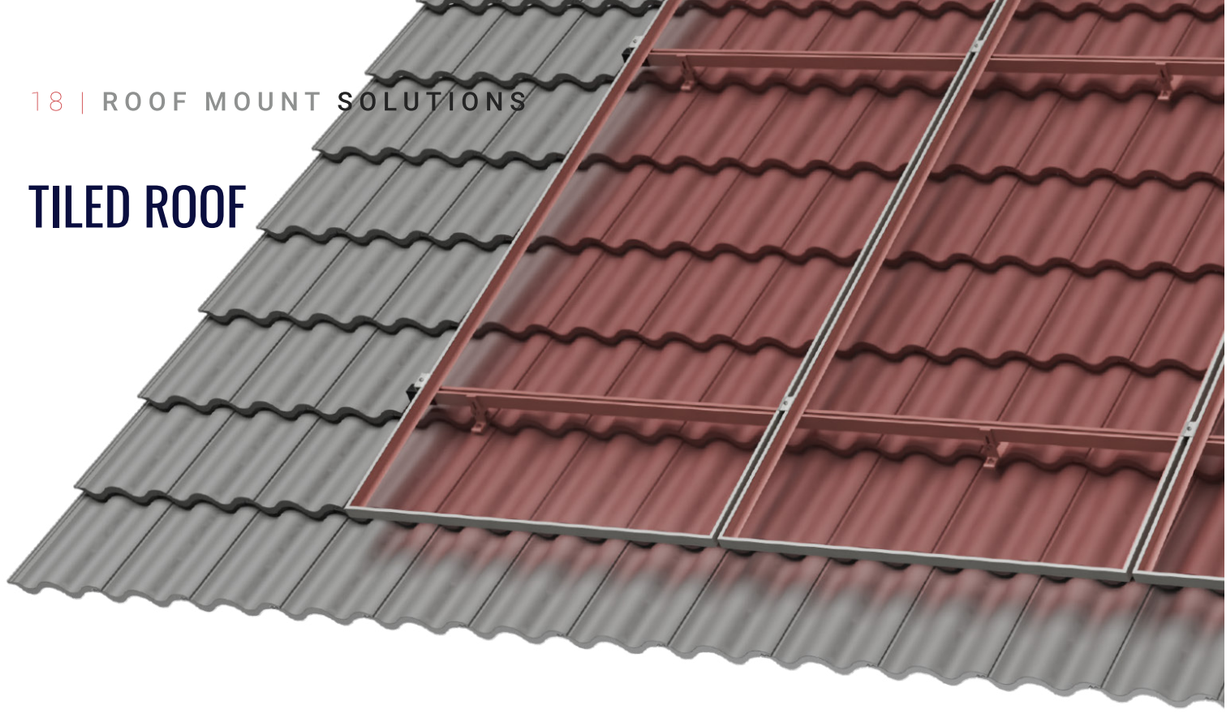


317-011S-SA	3830mm Truss, 10°

MATERIAL AL 6005-T5 + SUS 304



TILED ROOF



CLICK SYSTEM HANGER BOLT

Hanger bolt for the RRACKS™ Click System. Connect to the rail with the One-Touch Spring-Loaded Leveling System. Exists both for wood and steel purlin.



320-003S-MF	For Steel Purlin
320-003E-MF	Eco, For Steel Purlin
320-004S-MF	For Wood Purlin
320-004E-MF	Eco, For Wood Purlin

MATERIAL AL 6005-T5 + SUS 304

CORRUGATED ROOF BRACKET

RRACKS™ Click System bracket to be used on corrugated roof for maximum stability. Connect to the rail with the One-Touch Spring-Loaded Leveling System.



363-001S-MF	50mm Radius Corrugated

MATERIAL AL 6005-T5 + SUS 304

PAN TILE BRACKET (PORTRAIT)

Pan Tile Bracket is designed for use with standard tiled rooftops and connects modules in portrait. Connect to the RRACKS™ Click System rail with the One-Touch Spring-Loaded Leveling System.



363-010S-MF	Base 50x180mm
363-010E-MF	Eco, Base 50x180mm

MATERIAL AL 6005-T5 + SUS 304

PAN TILE BRACKET (LANDSCAPE)

Pan Tile Bracket is designed for use with standard tiled rooftops and connects modules in landscape. Connect to the RRACKS™ Click System rail with the One-Touch Spring-Loaded Leveling System

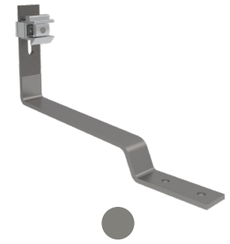


363-011S-MF	Base 50x180mm
363-011E-MF	Eco, Base 50x180mm

MATERIAL AL 6005-T5 + SUS 304

CLICK SYSTEM ROSEMARY TILE BRACKET

Rosemary Bracket is designed for use with standard tile rooftops and connects to the RRACKS™ Click System rail with the One-Touch Spring-Loaded Leveling System

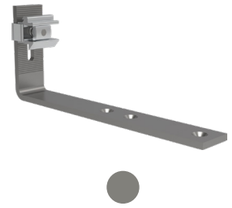


363-005S-MF	Base 30x80mm, Range 30mm
363-005E-MF	Eco, Base 30x80mm, Range 30mm
363-044S-MF	Base 29.5x87.3mm, Range 50mm

MATERIAL AL 6005-T5 + SUS 304

CLICK SYSTEM SLATE TILE BRACKET

Slate Tile Bracket to be used on slate tiles roofs. Can be connected to the RRACKS™ Click System rail with the One-Touch Spring-Loaded Leveling System



363-025S-MF	Base 30x228mm
363-025E-MF	Eco, Base 30x228mm

MATERIAL AL 6005-T5 + SUS 304

HEAVY DUTY ADJUSTABLE ALUMINIUM TILE HOOK

RRACKS™ Click System fully adjustable aluminium tile hook, to be used on tile roof. Left, right, and up down adjustability to fit all types of tiles as well as being installed in both portrait and landscape mode. Connect to the RRACKS™ Click System rail with the One-Touch Spring-Loaded Leveling System

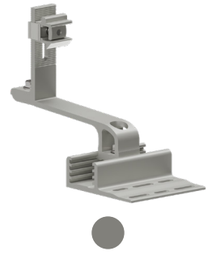


363-023S-MF	230x140mm

MATERIAL AL 6005-T5 + SUS 304

ADJUSTABLE ALUMINIUM TILE HOOK

RRACKS™ Click System adjustable aluminium tile hook, to be used on tile roof. Left, right, and up down adjustability to fit all types of tiles as well as being installed in both portrait and landscape mode. Connect to the RRACKS™ Click System rail with the One-Touch Spring-Loaded Leveling System.



363-042S-MF	243x105mm

MATERIAL AL 6005-T5 + SUS 304

CLICK SYSTEM ADJUSTABLE HYBRID ALUMINIUM TILE HOOK

RRACKS™ Click System adjustable aluminium tile hook, to be used on tile roof. Left, right, and up down adjustability to fit all types of tiles. Connect to the RRACKS™ Click System rail with the One-Touch Spring-Loaded Leveling System



363-043S-MF	170x140mm

MATERIAL AL 6005-T5 + SUS 304

RRACKS®

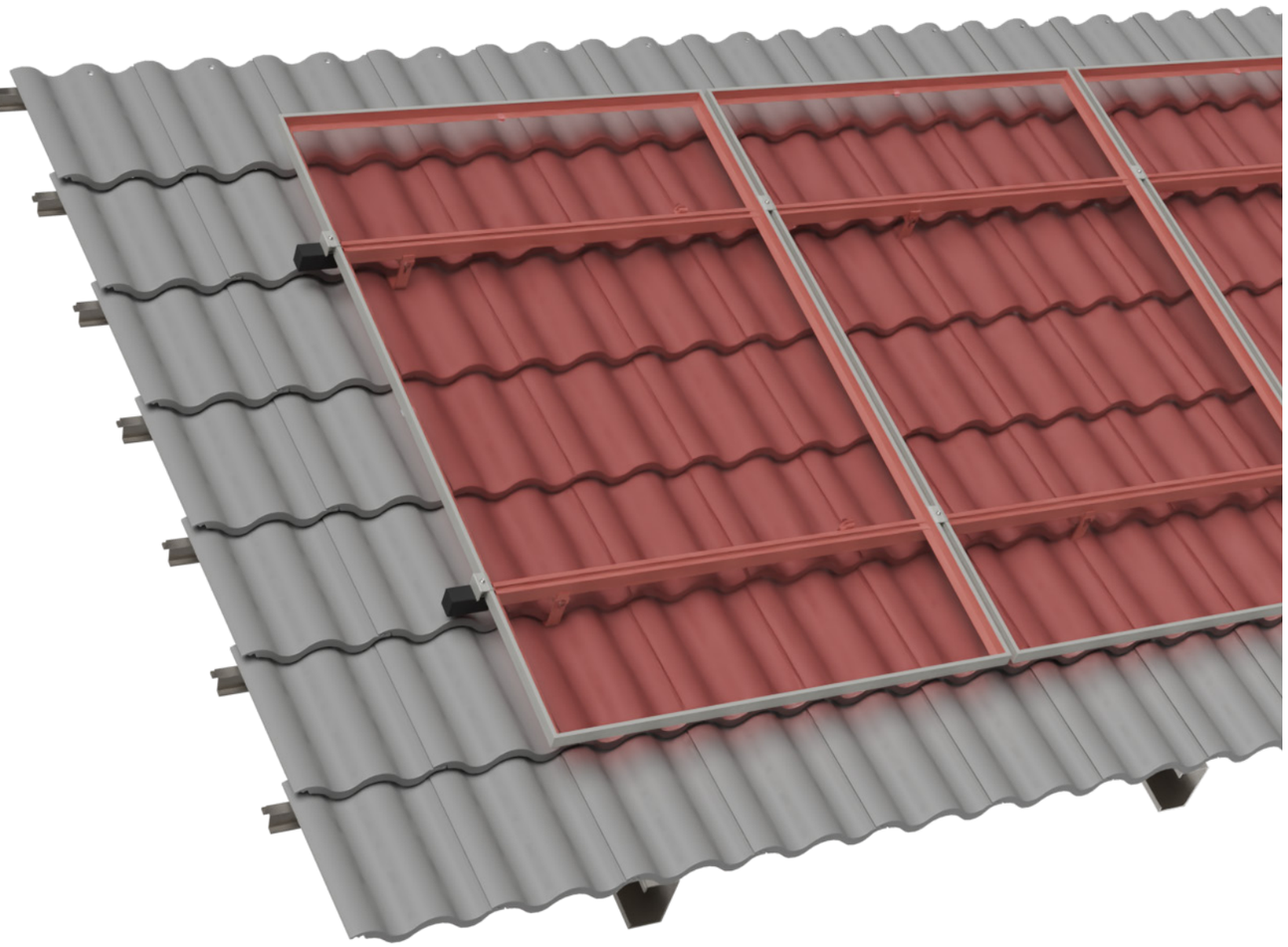
ADJUSTABLE BATTEN HOOK

RRACKS™ Click System adjustable tile roof bracket, can be adjusted to fit different types of rafter sizes as well as being installed in both portrait and landscape mode. Rafter thickness ranges from 31 to 75mm. Connect to the rail with the One-Touch Spring-Loaded Leveling System.



363-002S-MF	**Range 31-47mm**
363-002E-MF	**Eco, Range 31-47mm**
363-021S-MF	**Range 44-60mm**
363-021E-MF	**Eco, Range 44-60mm**
363-026S-MF	**Range 59-75mm**
363-026E-MF	**Eco, Range 59-75mm**

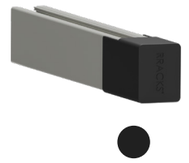
MATERIAL AL 6005-T5 + SUS 304



ACCESSORIES

RAIL END CAPS

RRACKS™ Click System End Cap can be put on the end of the rails to ensure that the installation looks black all-around while using silver anodized or mill-finished rails. For design-conscious installations.





147-0002	**Standard Click Rail**
147-0003	**Eco/Rezi Click Rail**

MATERIAL Black PA6 with UV stabilizer

CLICK SYSTEM SLIMLINE EARTHING LUG AB EDITION

Click System Slimline Earthing Lug AB Edition is designed to attach to side channel of the rail and earth the earthing wire to it. Use for cable size <10mm2



305-006S-MF	**6mm opening**

MATERIAL AL 6005-T5 + SUS 304

ULTRA SLIM CONNECTOR

The slimmest, all purpose connector", of the RRACKS range, with a 10mm height, allows adding any accessories under 3mm thickness to be attached to your rail



319-014S-SS	**M7, 3mm gripping length**

MATERIAL SUS 304

CLICK SYSTEM HOOK CONNECTOR

Hook Rail Connector for the RRACKS™ Click System Rail with the One-Touch Spring-Loaded Leveling System. Can be adapted to all types of brackets of 30mm width.



319-008S-MF	Fit 30mm Wide Bracket
319-008E-MF	Eco, Fit 30mm Wide Bracket

MATERIAL AL 6005-T5 + SUS 304

FLAT T-HEAD RAIL CONNECTOR

RRACKS™ custom 20mm Flat T-Head Rail Connector is designed to connect Micro Inverter Mounting Brackets to RRACKS™ Click System Rail.



319-002S-SS	M8, 5mm gripping length

MATERIAL SUS 304

UNDER PANEL MOUNTING SET

RRACKS™ 20mm M8 Mounting Set is designed to connect Solar Panel to RRACKS™ C Rail with built-in 9mm elongated mounting holes.



319-015S-SS	M8

MATERIAL SUS 304

T30 DRIVER ADAPTOR

RRACKS™ T30 Driver Adaptor made from highly durable S2 Impact Resistant Stainless Steel is designed for tightening all our clamps and connectors. Total length is 70mm



100-0081	**70mm, T30, 30Nm torque limit**

MATERIAL S2 Impact Resistant Steel

RRACKS®

THAILAND

CAPACITY	**990 KW**
SCOPE OF WORK	Engineering, Solar Mounting,

ROOFING SCREW FOR STEEL PURLIN

Roofing Screw (self drilling point, hex head, metal-bonded washer, C-1022 steel) is designed for use with metal roofs and steel purlins.



100-0003	St 6.3x65mm, C-1022, Dacromat
100-0082	St 6.3x75mm, C-1022, Dacromat
100-0118	St 6.3x85mm, C-1022, Dacromat
100-0097	St 6.3x65mm, C-1022, Climaseal 5
100-0151	St 6.3x85mm, C-1022, Climaseal 5

ROOFING SCREW FOR WOODEN PURLIN

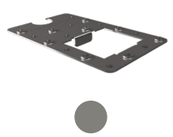
Roofing Screw is designed for use with Tile brackets for drilling into wooden frames. Can be used for L-Bracket for entering wood.



100-0006	St 6.3x75mm, C-1022, Dacromat
100-0011	St 6.3x75mm, SUS 304
100-0098	St 6.3x75mm, C-1022, Climaseal 5

UNIVERSAL EARTHING WASHER

RRACKS™ Universal Earthing Washer has been designed to ensure safe earthing of your installation if you are not using integrated earthing clamps. It can also be used to earth your tilt tripod

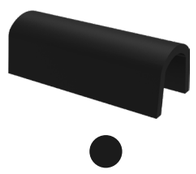


106-0008	51x30mm

MATERIAL SUS304

RUBBER GASKET

Klip-Lok EPDM Rubber Gasket is designed to fit inside Klip-Lok bracket to protect the metal sheet. This item is optional



102-0004	Klip-Lok 700
102-0005	Klip-Lok 406

MATERIAL EPDM

CABLE CLIP

RRACKS™ Solar Panel Cable Clip is made from high quality stainless steel 304. Used to position wires on solar arrays. Can fit 4 x 4mm cable or 2 x 6mm cable



111-0003	16.5x33mm

MATERIAL SUS304

CORRUGATED BRACKET

RRACKS™ Corrugated Bracket Assembly with EPDM rubber is used under the Foldable Tripod Leg when connecting to corrugated roof sheet. Can also be used with RRACKS™ L-Bracket



321-001S-MF	35mm length
321-101S-MF	100mm length, with cross rail bracket

MATERIAL AL 6005-T5 + SUS 304 + EPDM

RAIL CABLE CLIP

RRACKS™ Rail Cable Clip. Accommodates up to 4 cables. Designed to clip onto the RRACKS™ Rails

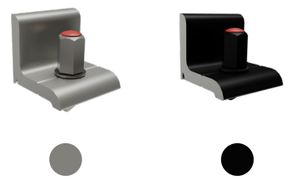


353-001S-MF	41x15x12mm

MATERIAL AL 6005-T5

CROSS RAIL CLAMP BRACKET

RRACKS™ Cross Rail Clamp Bracket is used to clamp two rails together for cross bracing. Also used to connect rail to Foldable Tripod Tilt system.



318-001R-MF	50mm length, with T bolt
318-003S-MF	50mm length, with flat T bolt

MATERIAL AL 6005-T5 + SUS 304

RAIL JOINER

RRACKS™ High Strength Rail Joiner is designed to completely cover the back of the rail, allowing a super strong bond between joining rails. Allows zero twist or flex at the joining point

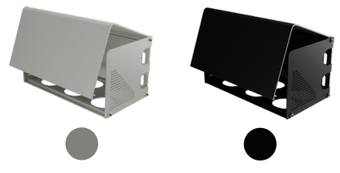


303-001E-MF	100mm Length
303-001S-MF	150mm Length

MATERIAL AL 6005-T5 + SUS 304

DC ISOLATOR COVER

RRACKS™ high quality anodized protective DC isolator cover for all solar panel installation solutions



325-002S-SA	152x133x265mm

MATERIAL AL 6005-T5 + SUS 304

KLIP-LOK 700 BRACKET

RRACKS™ Klip-Lok 700 Bracket is designed for commercial Klip-Lok 700 sheet rooftops. Comes with M8 screw for fixing to RRACKS™ M8 hole L-Bracket

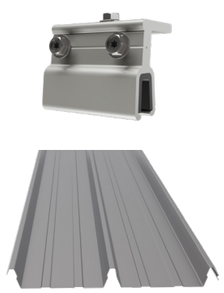


314-031S-MF	**47mm Flange**
314-001S-MF	**35mm Flange**
314-011S-MF	**35mm Flange, XL fit**

MATERIAL AL 6005-T5 + SUS 304

KLIP-LOK 406 BRACKET

RRACKS™ Klip-Lok 406 Bracket is designed for commercial Klip-Lok 406 sheet rooftops. Comes with M8 screw for fixing to RRACKS™ M8 hole L-Bracket.

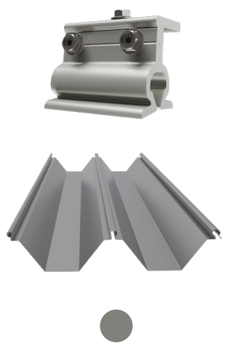


314-032S-MF	**47mm Flange**
314-002S-MF	**35mm Flange**

MATERIAL AL 6005-T5 + SUS 304

KLIP-LOK V600 BRACKET

RRACKS™ Klip-Lok V600 Bracket is designed for commercial Klip-Lok V600 sheet rooftops. Comes with M8 screw for fixing to RRACKS™ M8 hole L-Bracket



314-033S-MF	**47mm Flange**
314-003S-MF	**35mm Flange**

MATERIAL AL 6005-T5 + SUS 304

KLIP-LOK V750 BRACKET

RRACKS™ Klip-Lok V750 Bracket is designed for commercial Klip-Lok V750 sheet rooftops. Comes with M8 screw for fixing to RRACKS™ M8 hole L-Bracket.



314-035S-MF	**47mm Flange**
314-005S-MF	**35mm Flange**

MATERIAL AL 6005-T5 + SUS 304

UNIVERSAL STANDING SEAM BRACKET

RRACKS™ Universal Standing Seam bracket is designed for commercial snaplock sheet rooftops. Comes with M8 screw for fixing to RRACKS™ M8 hole L-Bracket

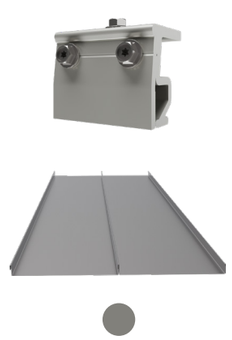


314-037S-MF	**47mm Flange**

MATERIAL AL 6005-T5 + SUS 304

ONE-WAY STANDING SEAM BRACKET

RRACKS™ One-Way Standing Seam bracket is designed for commercial snaplock sheet rooftops. Comes with M8 screw for fixing to RRACKS™ M8 hole L-Bracket



314-038S-MF	**47mm Flange**

MATERIAL AL 6005-T5 + SUS 304

STANDARD STANDING SEAM BRACKET

RRACKS™ Standard Standing Seam bracket is designed for commercial snaplock sheet rooftops. Comes with M8 screw for fixing to RRACKS™ M8 hole L-Bracket

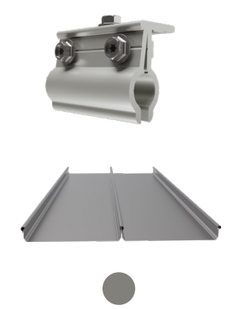


314-020S-MF	**35mm Flange**

MATERIAL AL 6005-T5 + SUS 304

KLIP-LOK BRACKET FOR ROUND SEAM

RRACKS™ Klip-Lok Bracket for Round Seam is designed for commercial Round Seam sheet rooftops. Comes with M8 screw for fixing to RRACKS™ M8 hole L-Bracket.



314-022S-MF	**35mm Flange**

MATERIAL AL 6005-T5 + SUS 304

RRACKS®

THAILAND

CAPACITY	**3.5 MW**
SCOPE OF WORK	Engineering, Solar Mounting, Walkways and Cable Management Solutions

3 | RZaM™

“THE MOST DURABLE ANTI-CORROSION COATING”

RZaM™ Steel is the latest breakthrough in rust-resistant coating. Its unique composition of zinc, aluminium, and magnesium makes for an exceptional coating. Six times more rust-resistant than hot-dipped galvanized steel, this coating is preferred for all outside applications, especially in hostile environments.



The production process is much faster and easier than standard hot-dipped galvanized coating and therefore fits a wider variety of applications. The coating is applied in a molten bath and the passivation layer quickly forms on top of it after exposure to air. This layer prevents material loss and minimizes zinc run-off to avoid soil degradation.

The production process is also more environmentally responsible as it emits half as much CO2 as stainless steel production and one-quarter of the emissions for the same weight in aluminium.

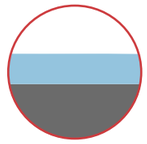
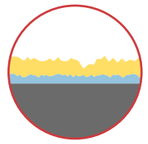
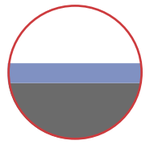
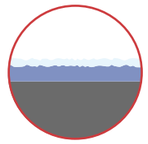
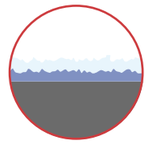
RZaM™ STEEL
BY RRACKS®

RRACKS.COM

THE DOMINANCE OF RZaM™ STEEL OVER GALVANIZED STEEL EXPLAINED

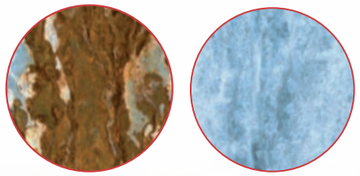
The unique composition of RZaM™ Steel is crucial and leads to the formation of a dense and stable layer of coating and a magnesium-based film that acts as a barrier to corrosion by preventing the steel from coming into contact with the ambient environment. This behaviour allows the products to stay rust free long after standard Hot-Dipped Galvanizing products are completely corroded.

TIMELINE

NEW COATING	2-3 MONTHS IN MARINE ENVIRONMENT	2-3 YEARS IN MARINE ENVIRONMENT
		
Hot Dipped Galvanized Coating	Porous Zinc-oxide layer starts to appear	Rust appears, steel damage starts to occur
		
RZaM™ Steel Coating	Magnesium-based film gets created to protect the coating	Minimal loss of material over long periods of time

RZaM™ Steel will also form a dense layer on highly deformed zones to give these zones the same rust protection as flatter surfaces. This is a key advantage of the RZaM™ Steel coating that ensures that your parts are fully protected with no weak points where rust could cause an issue.

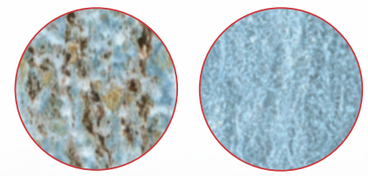
RZAM™ STEEL VERSUS PRE-GALVANIZED (SALT SPRAY TEST)



HDG, 20µm 6 weeks

RZaM™ Steel , 20µm 34 weeks

RZAM™ STEEL VERSUS POST-GALVANIZED (SALT SPRAY TEST)



Post-Gal, 85µm 12 weeks

RZaM™ Steel , 20µm 12 weeks

Lab testing and outdoor situation analysis have demonstrated that the RZaM™ Steel alloy coating material run-off rate is 11 times lower than pre-galvanized and 14 times lower than post-galvanized steel. This prevents a high concentration of zinc in soil and ground contamination.

The corrosion test, conducted in coastal areas, also shows a much higher rust resistance than both pre-galvanized and post-galvanized steel, even with a thinner coat and longer test duration.

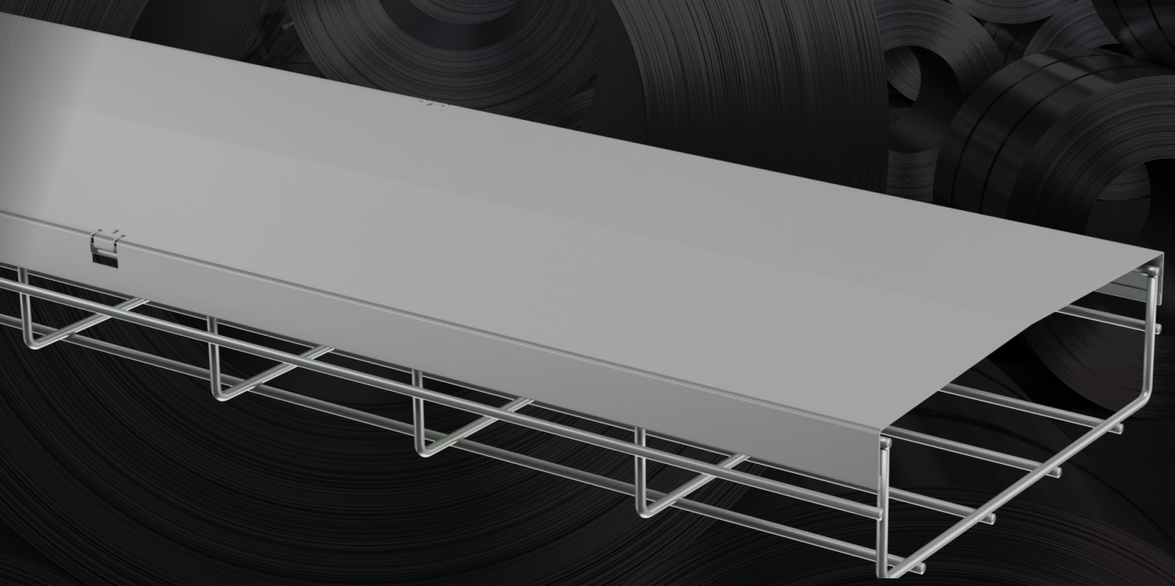
RRACKS®

DISCOVER THE INCREDIBLE SELF HEALING CAPACITY OF RZaM™ STEEL

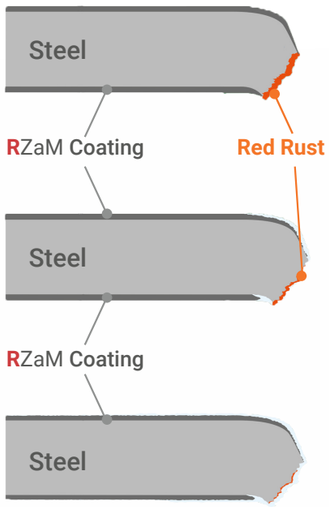
The RZaM™ Steel alloy coating is the world's first coating with self-healing capabilities. The dense zinc-base layer of the coating is able to migrate over the edges, welds, perforations and scratches to stop the expansion of rust.

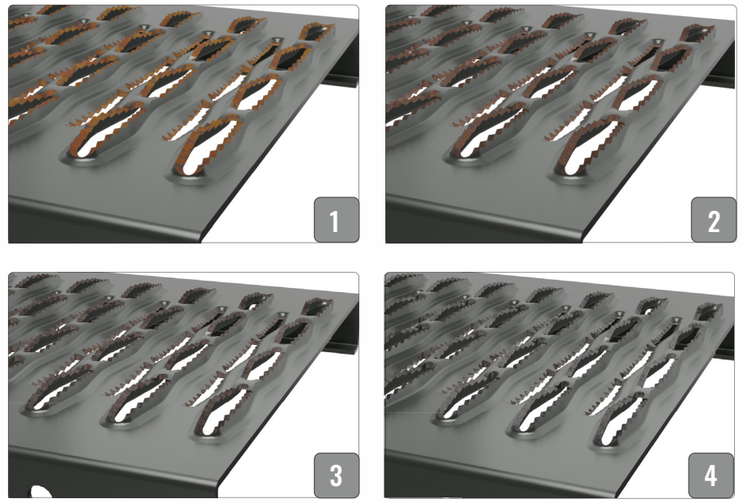
The protective film formed by migration of the zinc layer is highly resistant and will prevent further corrosion of your system on parts that would have normally been damaged during the installation process.

"First Self-Healing coating for scratches, cuts and welds"



After a period of several weeks, exposed edges of the steel substrates undergo oxidation, which will lead to the forming of red rust (step 1). As the time goes on, rain and condensation contribute to the migration of the RZaM™ coating layer over the cut ends and exposed sections, which will progressively stop the rusting process and protect the steel substrate (step 2). Over an extended period, red rust gradually disappears, and the presence of a protective white layer will increase until entirely covering the exposed edges (step 3). With this innovative process, our RZaM™ Steel solutions offer the best long-term durability compared to any other type of coating.

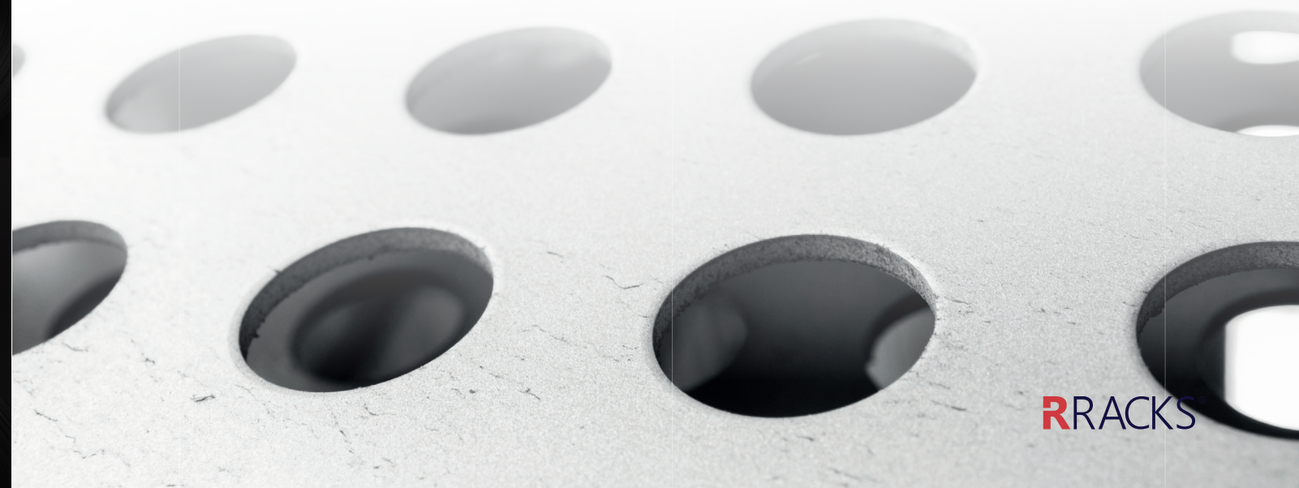




* THE SPEED OF THE SELF-HEALING DEPENDS ON TYPE OF ENVIRONMENT.

DISAPPEARANCE OF RED RUST ENTIRELY REPLACED BY THE COATING LAYER

As a result, our RZaM™ Steel offers impeccable protection for the entirety of structure, even on uncoated edges, scratches, and perforations, making it highly resistant to environmental penetration. By increasing the coating weight, particularly for thick materials, edge protection is further enhanced, ensuring an even higher level of durability and longevity.



RRACKS

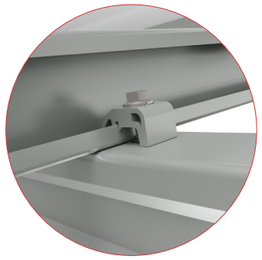
4 | GROUND MOUNT SOLUTIONS

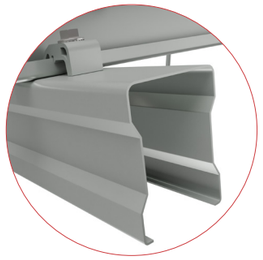
RRACKS™ ground mount systems are designed for all types of geological locations worldwide. Whether it be in the harshest deserts or in challenging alpine snow areas, we have the right solution for your project. We specialize in a variety of ground mount products from aluminium, to steel, and hybrid configurations to suit your specifications and budget. With years of experience in both design and deployment, RRACKS™ is your trusted partner when procuring your next solar ground mount system.



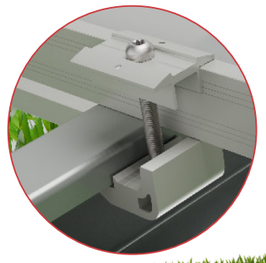
The RZaM™ Ground Mount System is designed with one goal in mind: offering the best possible material and making it as easy to install and as modular as possible. With specially designed fixings that maximize flexibility, you can be certain that your team will be as efficient as possible during installation while guaranteeing cost effectiveness. Combined with the best corrosion resistant coating with the ability to self-heal, you can rest assured that your RZaM™ Ground Mount System will stay protected for the entire life of your system.

GROUND MOUNT FRAMING









"Designed for convenience and cost efficiency"



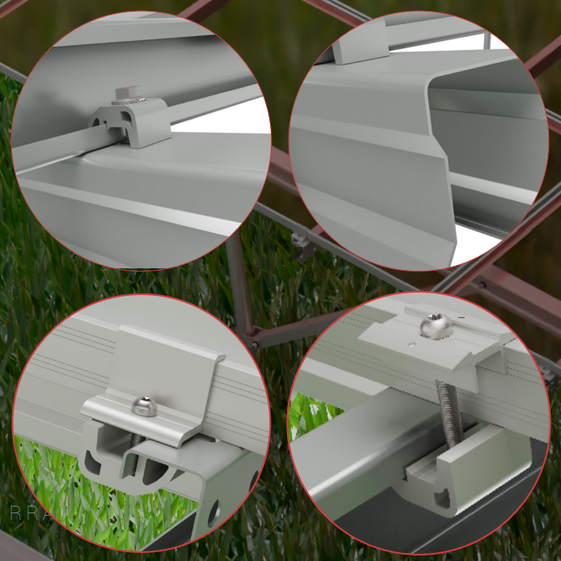
RZaM™ GROUND MOUNT

The RZaM™ Ground Mount System is made from the cutting-edge anti-corrosion coating RZaM™ to ensure longevity, strength, and maximum cost efficiency.



RZaM™ GROUND MOUNT
MATERIAL RZaM™Steel
WARRANTY As subject to the terms and conditions
WIND SPEED Refer to installation manual

"Specially designed Clamps, no drilling required"

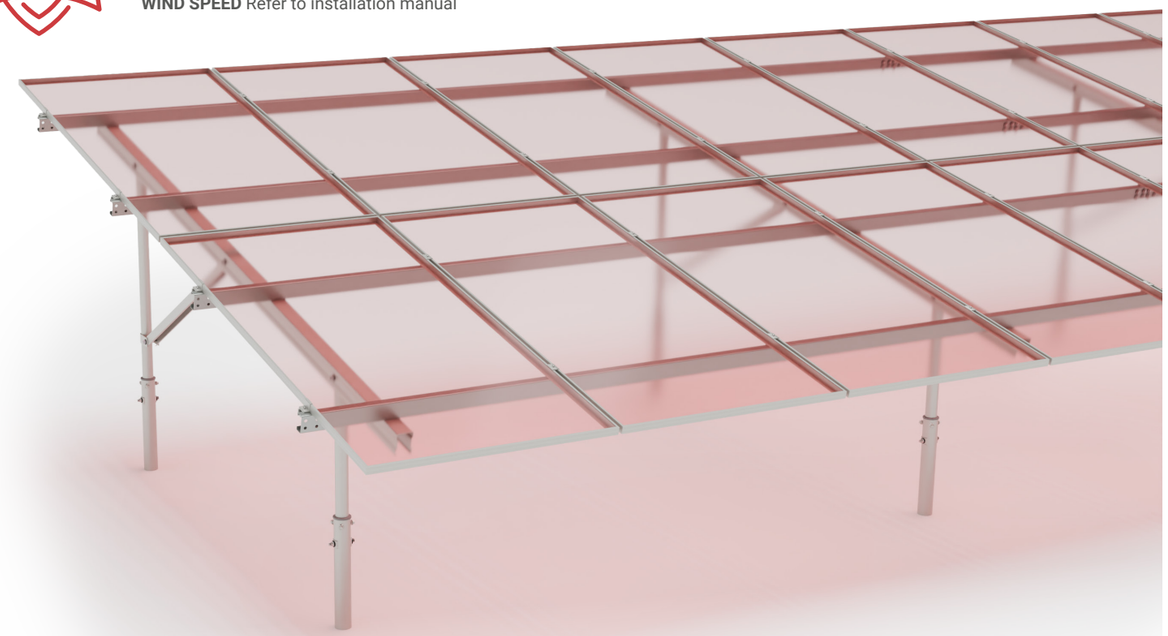


"Cut down on assembly time with RRACKS proprietary beam design"

RRACKS®

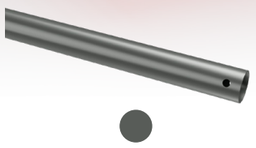
RZaM™ GROUND MOUNT

RZaM™ GROUND MOUNT
MATERIAL RZaM™Steel
WARRANTY As subject to the terms and conditions
WIND SPEED Refer to installation manual



RZaM™ STEEL TUBE

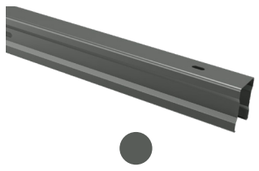
Steel Tube Cross Section Pipe 2.5mm thick is used in the cross section of the system to support the RRACKS™ U Truss.



316-001S-RZ	Front Post Ø60
316-002S-RZ	Back Post Ø60
MATERIAL	S350GD (ZM275)

RZaM™ U TRUSS

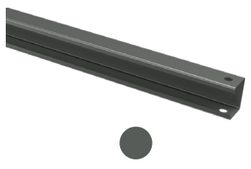
High strength RZaM™ U Truss 100x76mm for an easy connection, simply fit your tubes and brace arms, and use M12 screws to secure in place.



315-001S-RZ	100x76mm, 1.5mm thick
MATERIAL	S350GD (ZM275)

RZaM™ C-BRACE ARM

RZaM™ C-Brace Arm 60x50x10mm is designed to support the structure, connecting longer post to U-Truss by the Tube Sleeve



307-001S-RZ	C60x50x10mm, 1.5mm thick
MATERIAL	S350GD (ZM275)

RZaM™ C-PURLIN

RZaM™ C-Brace Arm 60x50x10mm is designed to support the structure, connecting longer post to U-Truss by the Tube Sleeve



300-101S-RZ	C80x40x15x1.5mm
300-102S-RZ	C100x50x15x1.5mm
MATERIAL	S350GD (ZM275)

JOINER PLATE

Joiner for C-Purlin allows high-strength connection in both axes and is secured to the rail with M12 screws.



303-101S-HG	4mm thick, for C80x40
303-102S-HG	4mm thick, for C100x50
MATERIAL	Q235B (Hot Dip Galvanized)

GROUND MOUNT TUBE SLEEVE

Ground Mount Tube Sleeve is designed to be easily mounted on the vertical posts and easily connect to the brace arm, connects and tightens with M12 screws.



312-002S-MF	For Ø60 posts, C60 brace arms
MATERIAL	AL 6005-T5 + SUS 304

GROUND MOUNT END CLAMP

Ground Mount End Clamp secures your panel to the rail. Does not require any drilling or perforation on the purlins.



302-045-MF	Fit 35mm panels
302-051-MF	Fit 33mm panels
302-052-MF	Fit 30mm panels
MATERIAL	AL 6005-T5 + SUS 304

GROUND MOUNT MID CLAMP

Ground Mount Mid Clamp, the earthing pins provide effortless earthing. Can be used with panels from 30 to 35mm. Does not require any drilling or perforation on the purlins.



301-027-MF	Fit 30-35mm panels, has Earthing pin
MATERIAL	AL 6005-T5 + SUS 304

GROUND MOUNT RAIL CLAMP

Ground Mount Rail Clamp easily and safely secure your rail to the truss. Does not require any drilling or perforation on the purlins.

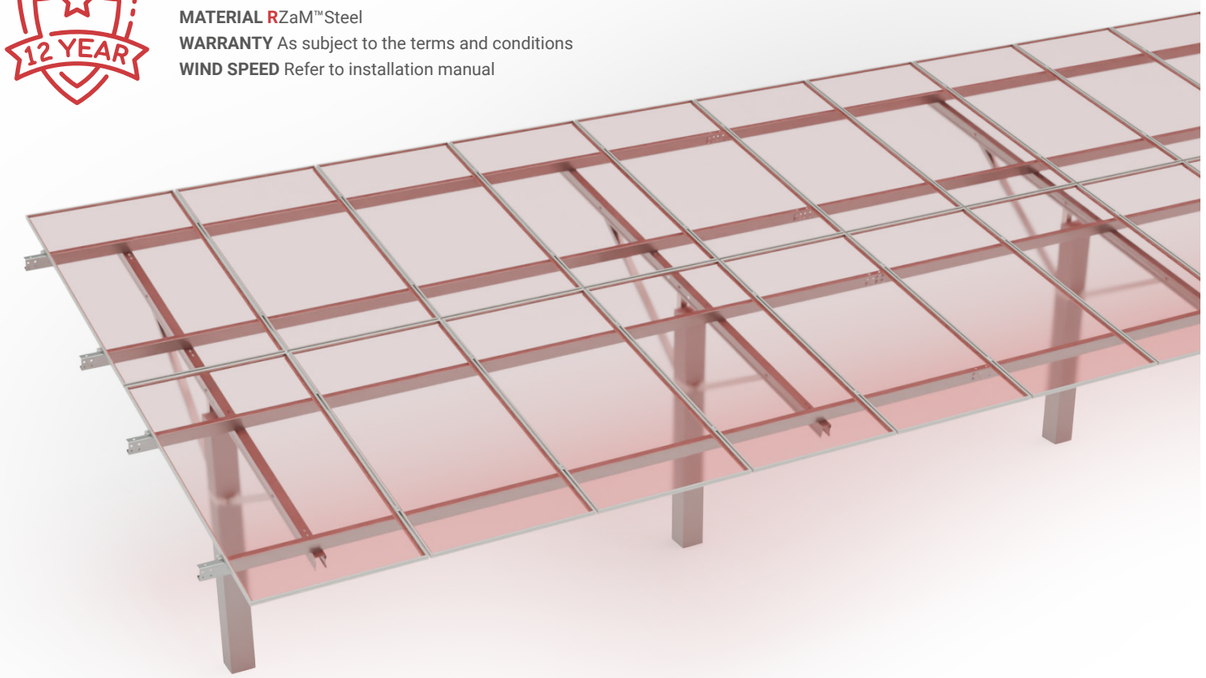


376-001S-MF	M10, Ø50 washer
MATERIAL	AL 6005-T5 + SUS 304

RRACKS®

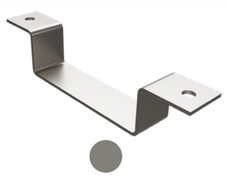
RZaM™ CONCRETE GROUND MOUNT

RZaM™ CONCRETE GROUND
MATERIAL RZaM™Steel
WARRANTY As subject to the terms and conditions
WIND SPEED Refer to installation manual



BRACE ARM SLEEVE FOR CONCRETE POLE

Ground Mount Concrete Sleeve is designed to be easily mounted on the vertical posts and easily connect to the brace arm, connects and tightens with M12 screws.



312-201S-HG	Fit 220x220mm Square Concrete Pile
312-203S-HG	Fit 180x180mm Square Concrete Pile
MATERIAL	Q235B (Hot Dip Galvanized)

SQUARE TUBE CONNECTOR

The Ground Mount Square Tube Connector is designed for easy installation onto a vertical concrete post using two M12 anchor bolts, and allows straightforward connection to the truss.



313-301S-HG	60x60x3mm, 530 mm length
MATERIAL	**Q235B (Hot Dip Galvanized)**

M12 DYNABOLT

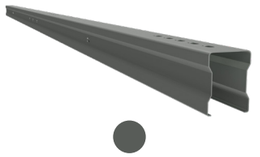
The M12 dynabolt is designed to secure the square tube to the concrete post, creating a strong connection at the middle frame.



100-0148	M12, 85mm Grip Range, 140mm Threaded Length
MATERIAL	Carbon Steel Grade 8.8 (Zn-Ni)

RZaM™ U TRUSS

High strength RZaM™ U Truss 100x76mm for an easy connection, simply fit your tubes and brace arms, and use M12 screws to secure in place.



315-001S-RZ	100x76mm, 1.5mm thick
MATERIAL	S350GD (ZM275)

RZaM™ C-BRACE ARM

RZaM™ C-Brace Arm 60x50x10mm is designed to support the structure, connecting longer post to U-Truss by the Tube Sleeve



307-001S-RZ	C60x50x10mm, 1.5mm thick
MATERIAL	S350GD (ZM275)

GROUND MOUNT RAIL CLAMP

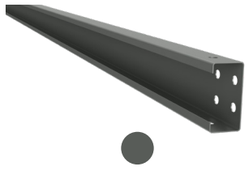
Ground Mount Rail Clamp easily and safely secure your rail to the truss. Does not require any drilling or perforation on the purlins.



376-001S-MF	M10, Ø30 washer
MATERIAL	AL 6005-T5 + SUS 304

RZaM™ C-PURLIN

RZaM™ C-Purlin is designed to connect each steel frame together for both horizontal and vertical sections.



300-101S-RZ	C80x40x15x1.5mm
300-102S-RZ	C100x50x15x1.5mm
MATERIAL	S350GD (ZM275)

JOINER PLATE

Joiner for C-Purlin allows high-strength connection in both axes and is secured to the rail by M12 screws.



303-101S-HG	4mm thick, for C80x40
303-102S-HG	4mm thick, for C100x50
MATERIAL	Q235B (Hot Dip Galvanized)

GROUND MOUNT END CLAMP

Ground Mount End Clamp secures your panel to the rail. Does not require any drilling or perforation on the purlins.



302-045-MF	Fit 35mm panels
302-051-MF	Fit 33mm panels
302-052-MF	Fit 30mm panels
MATERIAL	AL 6005-T5 + SUS 304

GROUND MOUNT MID CLAMP

Ground Mount Mid Clamp, the earthing pins provide effortless earthing. Can be used with panels from 30 to 35mm. Does not require any drilling or perforation on the purlins.



301-027-MF	Fit 30-35mm panels, has Earthing pin
MATERIAL	AL 6005-T5 + SUS 304

RRACKS®

ADJUSTABLE SINGLE POST

ADJUSTABLE SINGLE POST
MATERIAL RZaM™Steel + HDG + AL-6005-T5
WARRANTY As subject to the terms and conditions
WIND SPEED Refer to installation manual





MAIN ROUND POST

Main Round Post Ø127, 4mm thick is used for permanent in-ground installation, secured with a concrete pour-in base. Connects to the upper structure via aluminium bracket for precise alignment and adjustability.



316-201S-HG	Ø127, 4.8mm Thick

MATERIAL Q235B (Hot Dip Galvanized)

POLE ALUMINIUM BRACKET

RRACKS™ Pole Aluminium Bracket is used for attaching to the Main Round Post and the Aluminium Tilt Bracket, with an M16 bolt serving as the axis of rotation for system angle adjustment, and additional securing via M12 fasteners on the side.



313-101S-MF	Fit with Ø127

MATERIAL AL 6005-T5 + SUS 304

ALUMINIUM L TILT BRACKET

RRACKS™ Aluminium L Tilt Bracket is used for attaching to the Pole Bracket and bearing the C-Beams above. Features radius elongated holes for precise angle adjustment of the system, secured with M16 fasteners.

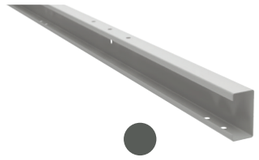


313-201S-MF	290mm Length, Left Side
313-202S-MF	290mm Length, Right Side

MATERIAL AL 6005-T5 + SUS 304

RZaM™ MAIN C-BEAM

RZaM™ Main C-Beam is designed for connecting to the aluminium bracket below and providing a stable bearing surface for the C-purlins above.



300-106S-RZ	C150x50x15x2.3mm, for 6 Panels Kit
300-105S-RZ	C125x50x15x1.9mm, for 3/4 Panels Kit
300-102S-RZ	C100x50x15x1.5mm, for 2 Panels Kit

MATERIAL S350GD (ZM275)

GROUND MOUNT RAIL CLAMP

Ground Mount Rail Clamp easily and safely secure your rail to the truss. Does not require any drilling or perforation on the purlins.

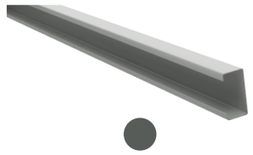


376-008S-MF	M10, Ø30 washer

MATERIAL AL 6005-T5 + SUS 304

RZaM™ C-PURLIN

RZaM™ C-Purlin is used for spanning across the C-Beams and bearing the aluminium rail above.



300-106S-RZ	C150x50x15x2.3mm, for 4/6 Panels Kit
300-102S-RZ	C100x50x15x1.5mm, for 2/3 Panels Kit

MATERIAL S350GD (ZM275)

CROSS C-ALU RAIL BRACKET

Cross C-Alu Bracket is used for connecting the Aluminium Rail to the C-Rail in a perpendicular direction.

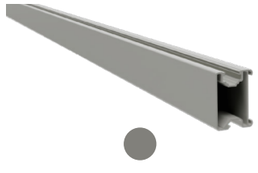


318-101S-MF	M10, Ø30 washer

MATERIAL AL 6005-T5 + SUS 304

CLICK SYSTEM RAIL

RRACKS™ High Strength Rail is used for spanning across the C-Purlins and attaching solar panels via Clicknut Clamps.



300-001S-MF	Standard Click Rail

MATERIAL AL 6005-T5

CLICK SYSTEM END CLAMP

RRACKS™ Click System end clamp, can clamp panels from 30 to 35mm.



302-033S-SA	Earthing

MATERIAL AL 6005-T5 + SUS 304

CLICK SYSTEM MID CLAMP

RRACKS™ Click System mid clamp, can clamp panels from 30 to 35mm.



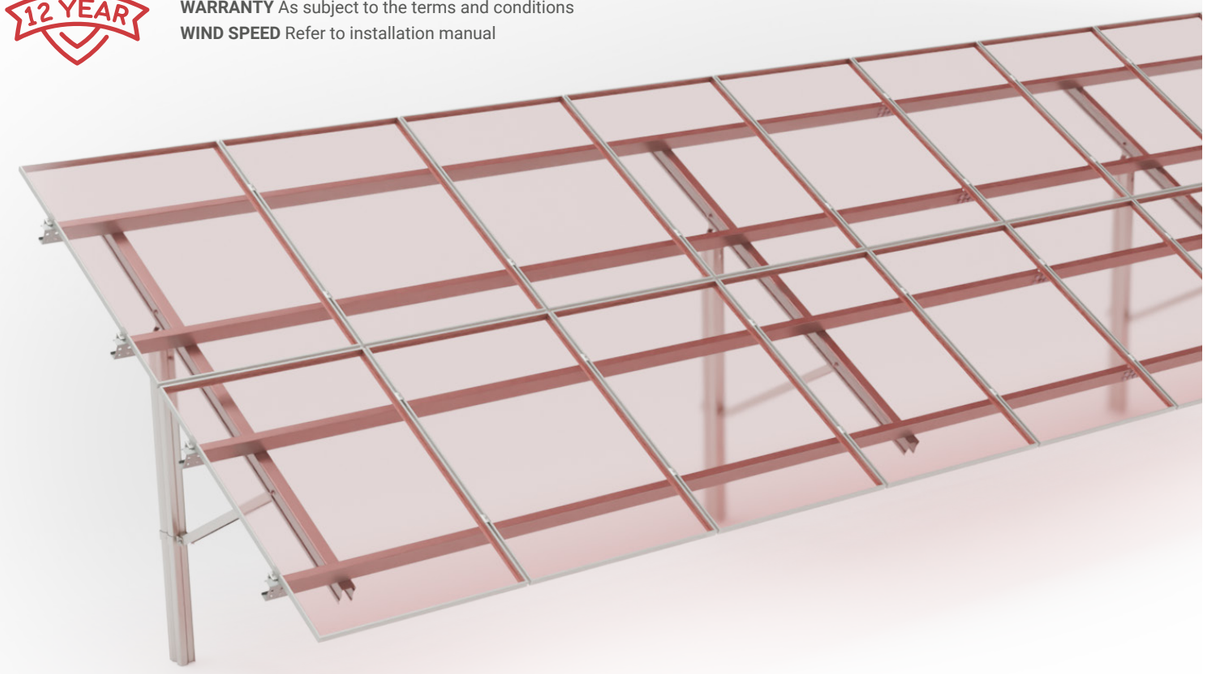
301-018S-SA	Earthing

MATERIAL AL 6005-T5 + SUS 304

RRACKS®

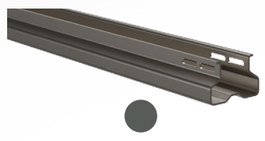
SINGLE POST GROUND MOUNT

SINGLE POST GROUND MOUNT SYSTEM
MATERIAL RZaM™Steel + HDG
WARRANTY As subject to the terms and conditions
WIND SPEED Refer to installation manual



OMEGA POST

Main Omega Post is used for permanent in-ground installation. Connects to the upper structure via aluminium bracket for precise alignment and a secure finish



316-101S-HG	140x95mm, 4mm thick
MATERIAL	Q235B (Hot Dip Galvanized)

ALUMINIUM MIDDLE CONNECTOR

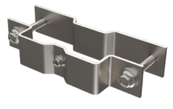
RRACKS™ Aluminium Middle Connector is used for attaching the U Truss to the Main Omega Post, with an M16 bolt serving as the axis of rotation for system twisting tolerance, and securing via M12 fasteners.



313-001S-MF	50mm width
MATERIAL	AL 6005-T5 + SUS 304

GROUND MOUNT SLEEVE

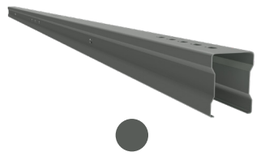
Ground Mount Sleeve is designed to be easily mounted on the vertical posts and connect to the brace arm, tightens with M12 screws.



312-003S-HG	50mm height
MATERIAL	Q235B (Hot Dip Galvanized)

RZaM™ U TRUSS

High strength RZaM™ U Truss 100x76mm for an easy connection, simply fit your tubes and brace arms, and use M12 screws to secure in place.



315-001S-RZ	100x76mm, 1.5mm thick
MATERIAL	S350GD (ZM275)

RZaM™ C-BRACE ARM

RZaM™ C-Brace Arm 60x50x10mm is designed to support the structure, connecting longer post to U-Truss by the Tube Sleeve



307-001S-RZ	C60x50x10mm, 1.5mm thick
MATERIAL	S350GD (ZM275)

GROUND MOUNT RAIL CLAMP

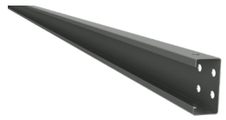
Ground Mount Rail Clamp easily and safely secure your rail to the truss. Does not require any drilling or perforation on the purlins.



376-001S-MF	M10, Ø30 washer
MATERIAL	AL 6005-T5 + SUS 304

RZaM™ C-PURLIN

RZaM™ C-Purlin is designed to connect each steel frame together for both horizontal and vertical sections.



300-101S-RZ	C80x40x15x1.5mm
300-102S-RZ	C100x50x15x1.5mm
MATERIAL	S350GD (ZM275)

JOINER PLATE

Joiner for C-Purlin allows high-strength connection in both axes and is secured to the rail by M12 screws.



303-101S-HG	4mm thick, for C80x40
303-102S-HG	4mm thick, for C100x50
MATERIAL	Q235B (Hot Dip Galvanized)

GROUND MOUNT END CLAMP

Ground Mount End Clamp secures your panel to the rail. Does not require any drilling or perforation on the purlins.



302-045-MF	Fit 35mm panels
302-051-MF	Fit 33mm panels
302-052-MF	Fit 30mm panels
MATERIAL	AL 6005-T5 + SUS 304

GROUND MOUNT MID CLAMP

Ground Mount Mid Clamp, the earthing pins provide effortless earthing. Can be used with panels from 30 to 35mm. Does not require any drilling or perforation on the purlins.



301-027-MF	Fit 30-35mm panels, has Earthing pin
MATERIAL	AL 6005-T5 + SUS 304

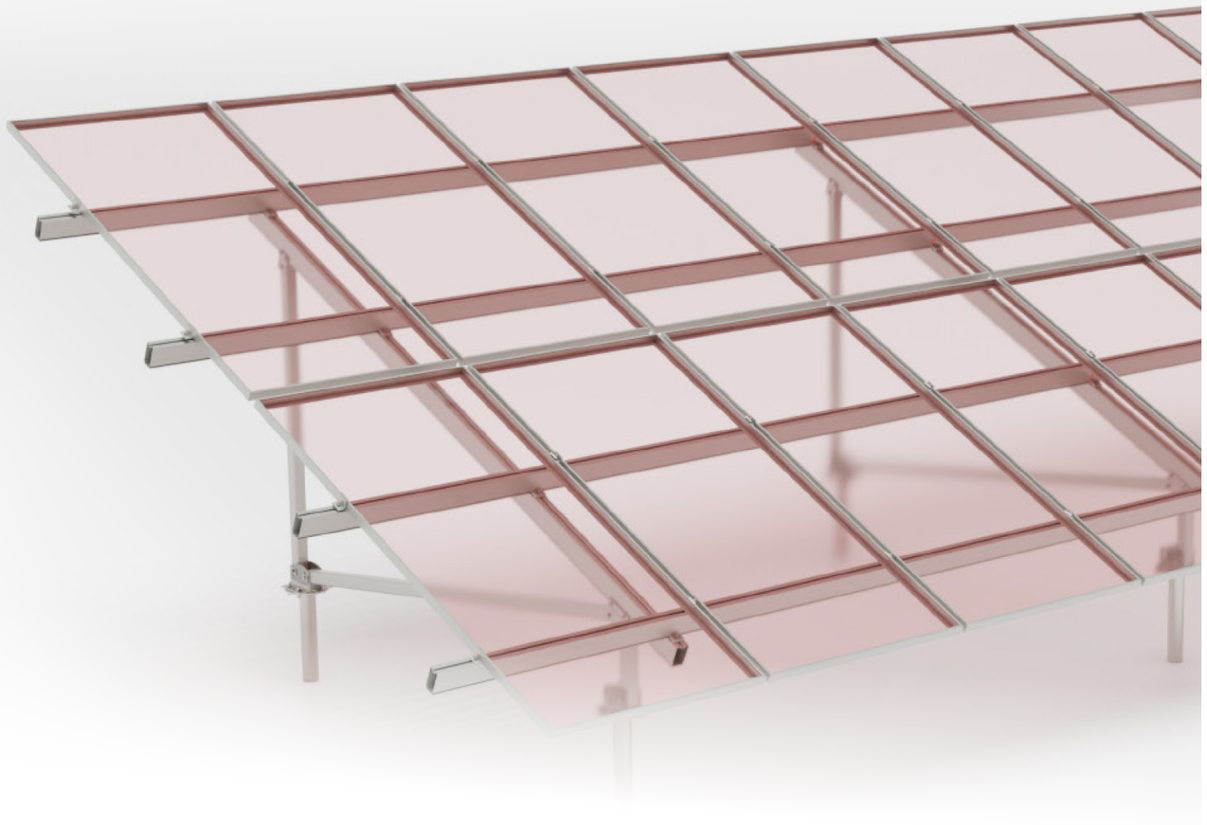
RRACKS®

ALUMINIUM GROUND MOUNT

ALUMINIUM GROUND MOUNT SYSTEM
MATERIAL Mixture material AL6005-T5
WARRANTY **25 years** as subject to the terms and conditions
WIND SPEED Refer to installation manual

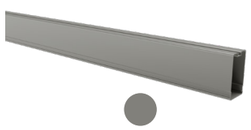
The full aluminium RRACKS™ ground mount system. The full system is made from aluminium to ensure lightness and ease of installation even in remote areas. Being entirely aluminium, you will never have to worry about rust being an issue on your installation.

This structure can be mounted on concrete block or planted into the ground using our RRACKS™ ground screws selection.



ALUMINIUM TRUSS

Acts as a rigid support for the RRACKS™ aluminium ground mount rail. Custom length available.

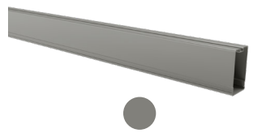


327-002S-SA	60x100mm

MATERIAL AL 6005-T5

ALUMINIUM GROUND MOUNT RAIL

Acts as a support for the solar panels. Needs to be connected to the aluminium truss. Custom length available.



328-001S-SA	50x100mm

MATERIAL AL 6005-T5

FOOT PIVOT BRACKET

Supports the RRACKS™ aluminium brace arm, can be connected to the ground screws or a concrete slab.

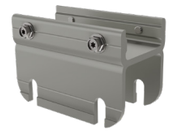


350-001S-SA	1 Connection
350-002S-SA	2 Connections

MATERIAL AL 6005-T5 + SUS 304

HEAD PIVOT BRACKET

Attaches the RRACKS™ aluminium brace arm to the aluminium truss.

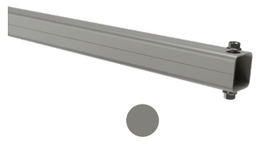


351-001S-SA	1 Connection
351-002S-SA	2 Connections

MATERIAL AL 6005-T5 + SUS 304

ALUMINIUM BRACE ARM

Used to support the RRACKS™ aluminium truss, custom length according to the angle and size of the panels.

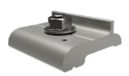


352-003S-SA	60x60mm

MATERIAL AL 6005-T5 + SUS 304

ALUMINIUM RAIL CLAMP

Used to attach the RRACKS™ Ground Mount Rail to the aluminium truss.



334-001S-SA	M8, 50mm Length

MATERIAL AL 6005-T5 + SUS 304

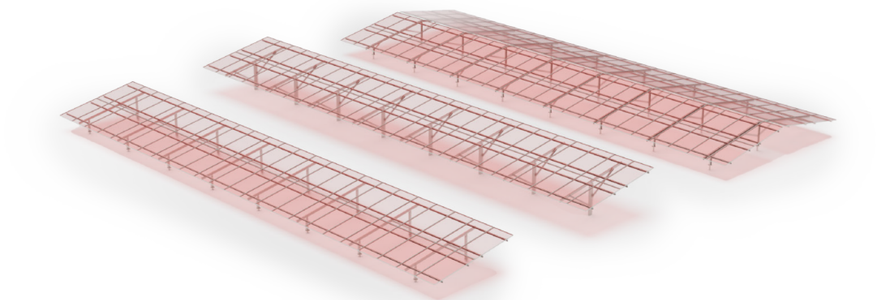
RRACKS®

UTILITY GROUND MOUNT

UTILITY GROUND MOUNT SYSTEM
MATERIAL RZaM™Steel
WARRANTY As subject to the terms and conditions
WIND SPEED Refer to installation manual

The RRACKS™ Utility Ground Mount System is made from the cutting-edge anticorrosion coating RZaM™ to ensure a long-lasting project, even under harsh weather conditions. The structure is designed with cost efficiency in mind to ensure maximum Return On Investment for your utility-scale ground-mounted solar farm project.

"Design adjusted on a per-project basis"

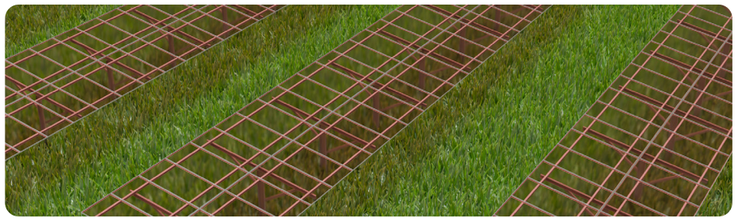


"COST EFFICIENT STRUCTURE TO ENSURE MAXIMUM ROI"

The RRACKS™ utility ground mount system design is adjusted on a per-project basis to fit your requirement of panel size, orientation, height and soil capacity. Three configurations are available to adapt to every need.

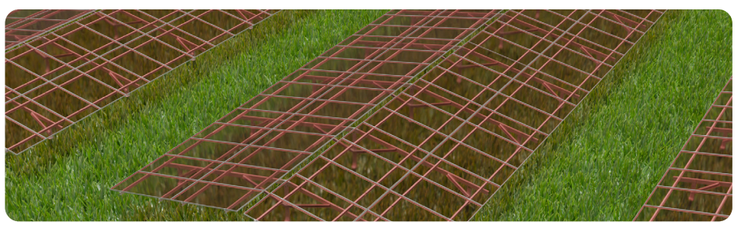
DUO GROUND SCREW UTILITY SYSTEM

It is better for harder soil and fast installation. Can be installed in both Single Pitch and East-West configurations.



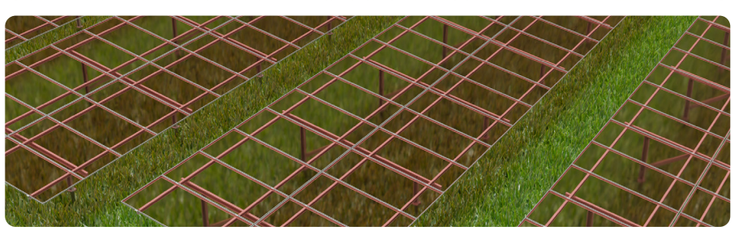
SINGLE PILE UTILITY SYSTEM

Is better for harder soil and fast installation. Can be installed in both Single Pitch and East-West configurations.



3 SCREW EAST-WEST UTILITY SYSTEM

More cost-efficient East-West configuration than the Duo Ground Screw Utility System.



GROUND SCREWS

STANDARD THREAD (FLANGE TYPE)

RRACKS™ standard thread ground screw for ground mount. Annual and radial 6-hole flange type head.



311-001S-HG	Shaft OD Ø76, 2.75mm thick

MATERIAL Q235B (Hot Dip Galvanized)

STANDARD THREAD (OPEN TUBE)

RRACKS™ standard thread ground screw for ground mount. Open tube type head

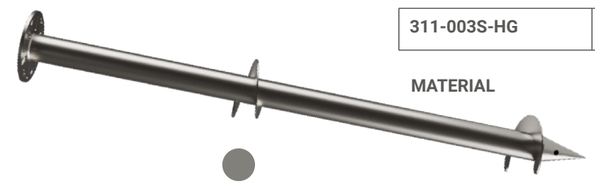


311-002S-HG	Shaft OD Ø76, 2.75mm thick

MATERIAL Q235B (Hot Dip Galvanized)

2 SPIRAL BLADES (FLANGE TYPE)

RRACKS™ two spiral thread ground screw for ground mount. Annual and radial 6-hole flange type head.

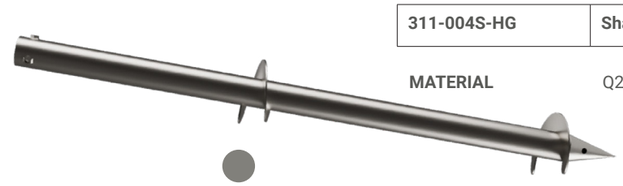


311-003S-HG	Shaft OD Ø76, 2.75mm thick

MATERIAL Q235B (Hot Dip Galvanized)

2 SPIRAL BLADES (OPEN TUBE)

RRACKS™ two spiral thread ground screw for ground mount. Open tube type head.

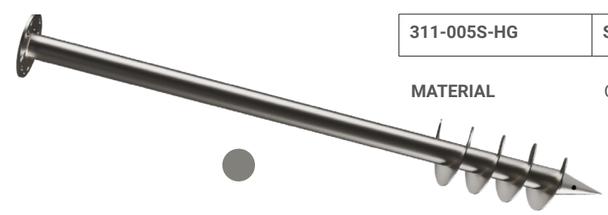


311-004S-HG	Shaft OD Ø76, 2.75mm thick

MATERIAL Q235B (Hot Dip Galvanized)

4 CONTINUOUS SPIRAL BLADES (FLANGE TYPE)

RRACKS™ four continuous spiral thread ground screw for ground mount. Annual and radial 6-hole flange type head.

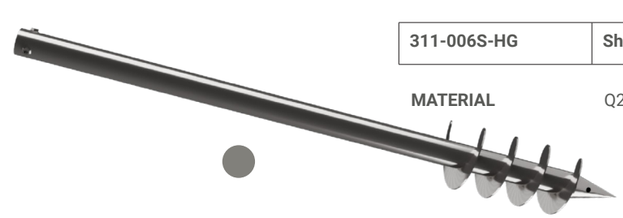


311-005S-HG	Shaft OD Ø76, 2.75mm thick

MATERIAL Q235B (Hot Dip Galvanized)

4 CONTINUOUS SPIRAL BLADES (OPEN TUBE)

RRACKS™ four continuous spiral thread ground screw for ground mount. Annual and radial 6-hole flange type head.



311-006S-HG	Shaft OD Ø76, 2.75mm thick

MATERIAL Q235B (Hot Dip Galvanized)

RRACKS®

5 | CARPORTS & WATERPROOF SYSTEMS

RRACKS™ is committed to continuing to lead the way in the latest developments in the Solar Racking industry. With the ever-evolving EV market, RRACKS™ provides an exciting range of innovative commercial and residential solar carports, one of the new emerging opportunities in the world of solar.
The RRACKS™ EV Carport is produced with our 6000 series aluminium for panel attachment. The framing is made from 80µm hot-dipped galvanized steel to ensure a long-lasting structure.

12 YEAR

MATERIAL RZaM™Steel, HDG Steel, AL-6005-T5
WARRANTY As subject to the terms and conditions
WIND SPEED Refer to installation manual

ULTRA WIDE SINGLE PITCH SOLAR CARPORT

RRACKS™ Ultra Wide Single Pitch carport. Allows for peak yield with all panels on the same slope. 7.5m span to park 3 cars on each side, 2.4m clearance at the lowest point. Exists in 4 and 6 rows of panels.



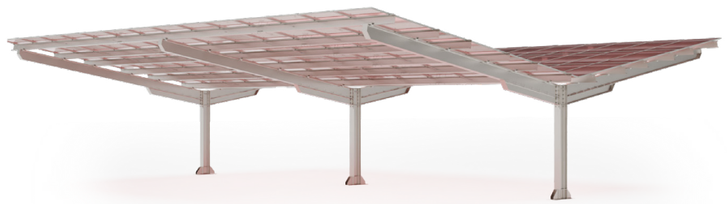
SINGLE PITCH SOLAR CARPORT

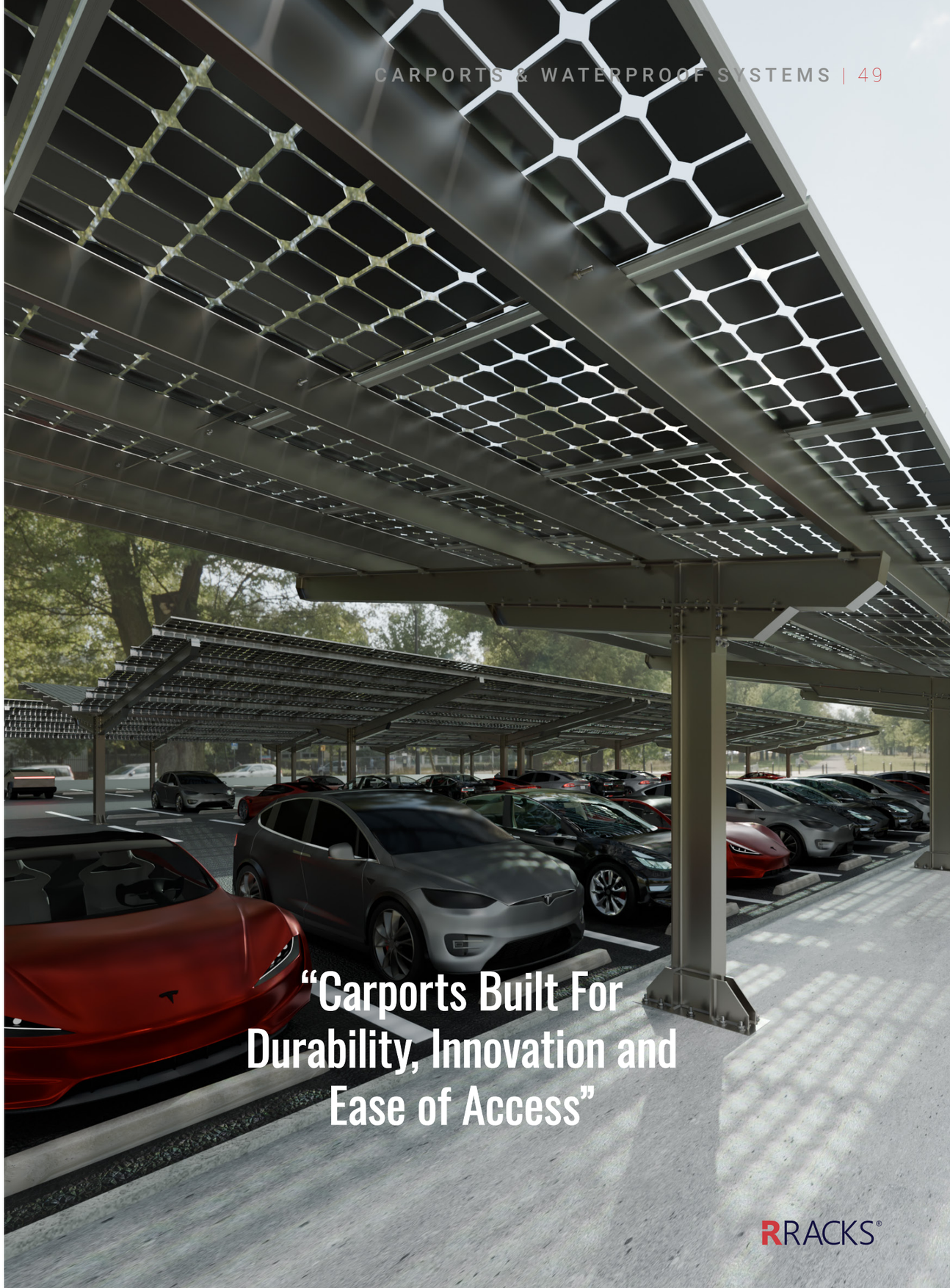
RRACKS™ Single Pitch carport. Allows for peak yield with all panels on the same slope. 7.5m span to park 3 cars, 2.4m clearance at the lowest point. Exists in 2 and 3 rows of panels.



DOUBLE PITCH SOLAR CARPORT

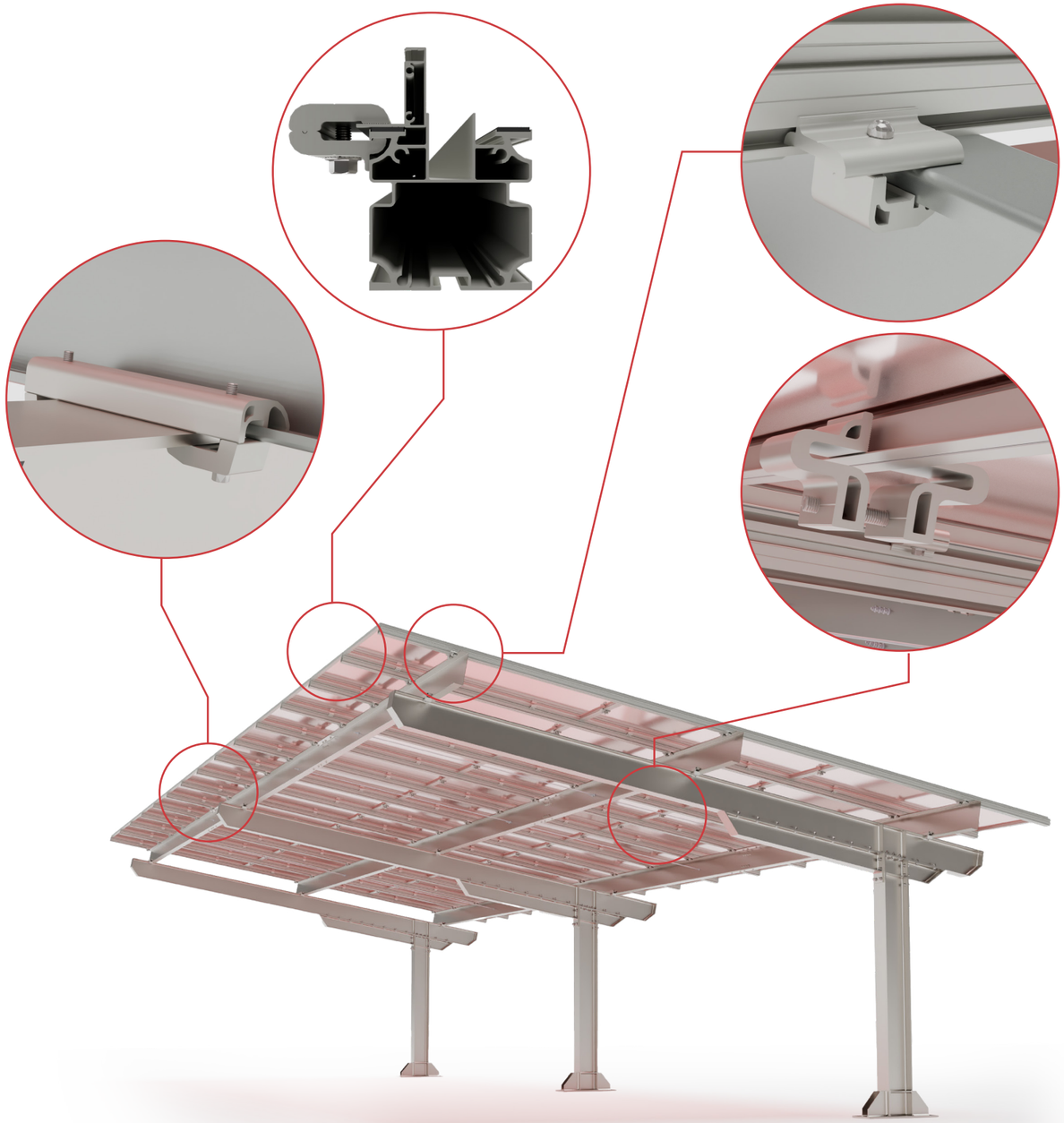
RRACKS™ Double Pitch carport. Allows longer power curve with 2 opposite slopes. 7.5m span to park 3 cars on each side, 2.4m clearance at the lowest point. Exists in 2+2 and 3+3 rows of panels.



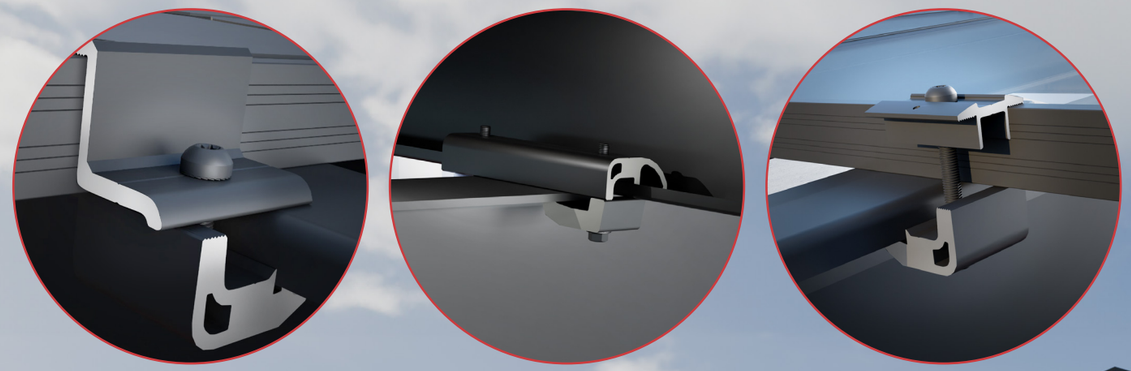


WATERPROOF CARPORTS

To adapt to an ever-evolving solar mounting market, **R**RACKS™ has developed a fully waterproof carport system, using classic solar panels to reduce mounting time and additional waterproofing costs.
The clamps are located under the panels to reduce the risk of working at height during installation.
The design uses specially designed rails to act as gutters for the array.
The **R**RACKS™ waterproof EV Carport is produced with our 6000 series aluminium for panel attachment. The framing is made from 80µm hot-dipped galvanized steel to ensure a long-lasting structure.



CARPORT BLACK SERIES







"The Carport Is Also Available In Black For A Sleek Architectural Finish "

WATERPROOF ROOF SYSTEMS

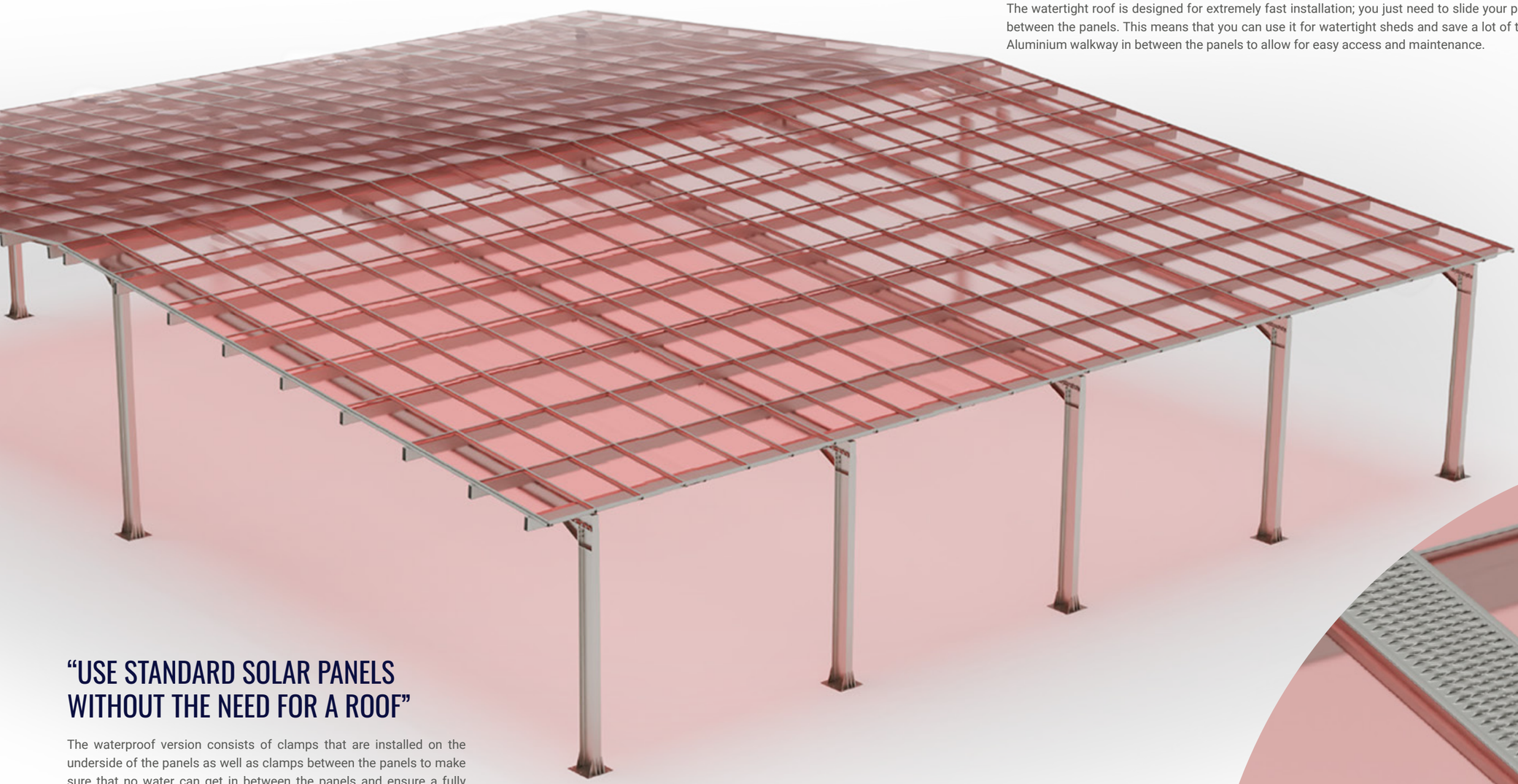
To accelerate the adoption of solar panels and their integration in commercial buildings, we have developed two new systems that allow you to install standard solar panels on your commercial building, without the need for a roof.

With the **R**RACKS™ watertight and waterproof panel mounting systems, you won't have to worry about clamping your panels to your roof anymore; the panels will be part of your building.

With easy installation of access paths, you can make sure that your project will be easy to maintain throughout its design life.



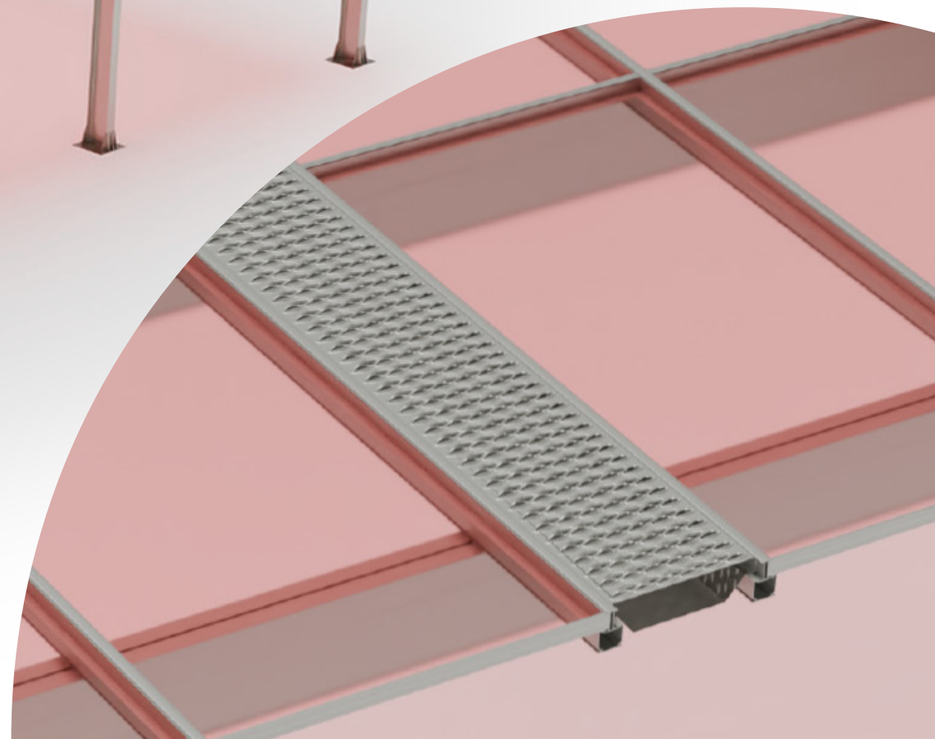
The watertight roof is designed for extremely fast installation; you just need to slide your panels in the rail and add a thin sheet of EPDM Foam between the panels. This means that you can use it for watertight sheds and save a lot of time on installation. You can also install the **R**RACKS Aluminium walkway in between the panels to allow for easy access and maintenance.



"Watertight for easy installation, waterproof for all your warehousing needs"

"USE STANDARD SOLAR PANELS WITHOUT THE NEED FOR A ROOF"

The waterproof version consists of clamps that are installed on the underside of the panels as well as clamps between the panels to make sure that no water can get in between the panels and ensure a fully waterproof installation. It is the same system that we have developed for our waterproof carports.
The waterproof rail consists of a water evacuation channel, and EPDM strips that are compressed with the clamps.



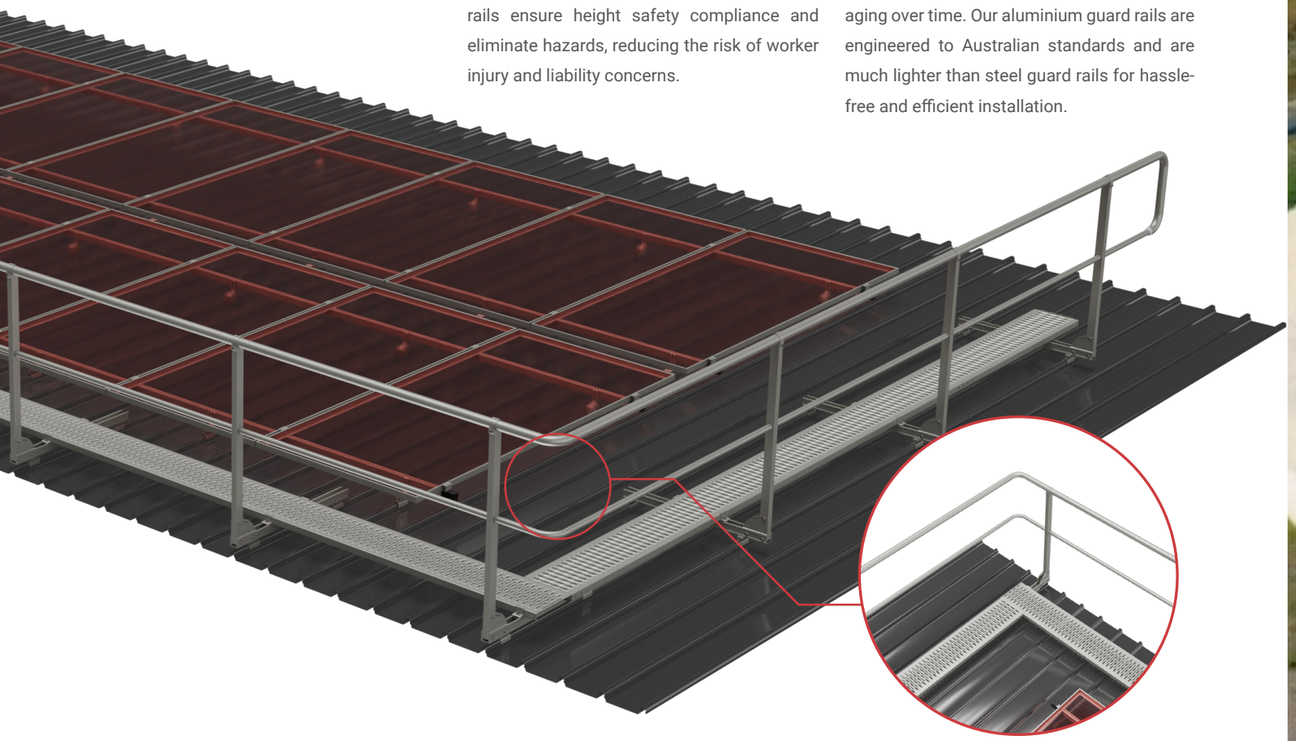
6 | HEIGHT & SAFETY PRODUCTS

EDGE PROTECTION GUARD RAIL SYSTEM

Integrating your RRACKS™ Edge Protection guardrail with the walkways of your roof allows for safe and easy access for installation, maintenance, and cleaning.

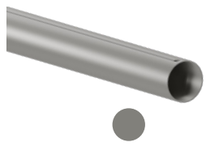
At RRACKS™, we always keep speed, efficiency of installation and safety in mind so that you can spend as little time as possible on the roof. RRACKS™ Edge Protection guard rails ensure height safety compliance and eliminate hazards, reducing the risk of worker injury and liability concerns.

RRACKS™ Edge Protection guardrails are made from our 6000 series aluminium to prevent corrosion and to ensure your guardrails won't have any rust problems due to weather and aging over time. Our aluminium guard rails are engineered to Australian standards and are much lighter than steel guard rails for hassle-free and efficient installation.



TOP HANDRAIL

RRACKS™ Handrail for Edge Protection system tubular for better grip, anodized aluminium to ensure a weather-proof safety structure. Custom length available.

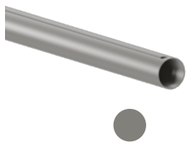


355-071S-SA	**Ø50.8mm**
355-011S-SA	**Ø50.5mm**

MATERIAL AL 6005-T5

MID RAIL

RRACKS™ Mid Rail for Edge Protection. Fits inside the Vertical Post. Choose 1 for angle <15° and 2 for angle >15°. Custom length available.



355-012S-SA	**Ø33.4mm**

MATERIAL AL 6005-T5

THAILAND

CAPACITY	**990 KW**
SCOPE OF WORK	Engineering, Solar Mounting, Walkways, Edge protection

RRACKS®

TUBE JOINER

Used to safely join two pieces of top handrail or midrail together, creating a strong fixing for all handrails in your installation. Install with rivets.

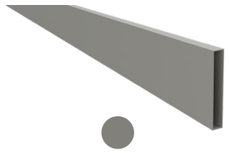


355-015S-MF	Ø50.8mm
355-016S-MF	Ø33.7mm

MATERIAL AL 6005-T5 + SUS 304

TOE PLATE

RRACKS™ Toe plate for Edge Protection. To be attached at the base of the bracket and prevent tools and materials from sliding off the roof. Custom length available



355-058S-SA	2x100
355-062S-SA	1.3x100

MATERIAL AL 6005-T5 + SUS 304

EDGE PROTECTION POST ASSEMBLY

Full assembly of the Edge Protection System. Can be adjusted between 0° and 35° from vertical and can be completely folded down for transportation and storage.



355-030S-SA-0	no base
355-030S-SA-650	0.65m base
355-030S-SA-900	0.9m base
355-030S-SA-1230	1.23m base
355-062S-SA-3036	0.65m base, Toe-Plate
355-036S-SA	Parapet
355-038S-SA	Parapet (no midrail)

MATERIAL AL 6005-T5 + SUS 304

EDGE PROTECTION POST ASSEMBLY WITH 2 MID-RAILS

Full assembly of the Edge Protection System. Can be adjusted between 0° and 35° from vertical and can be completely folded down for transportation and storage. Use an extra mid rail for international standard compliance on high angle roofs.



355-031S-SA-0	no base
355-031S-SA-650	0.65m base
355-031S-SA-900	0.9m base
355-031S-SA-1230	1.23m base
355-056S-SA-650	0.65m base, Toe-Plate

MATERIAL AL 6005-T5 + SUS 304

90° HANDRAIL ELBOW

Safely join two pieces of handrail coming at 90-degree angles, perfect for bends and pitch changes. Install with rivets.



355-072S-SA	Ø50.8mm 90° fixed
355-041S-SA	Ø50.5mm 90° fixed
355-042S-SA	Ø33.4mm 90° fixed

MATERIAL AL 6005-T5 + SUS 304

ADJUSTABLE ELBOW

Safely join two pieces of handrail coming at different angles, perfect for bends and pitch changes.



355-017S-SS	Ø50.8mm adjustable
355-018S-SS	Ø33.7mm adjustable

MATERIAL SUS 304

RAIL D TUBE END

Connected at the end of the top rails using a joiner and curls down to match the end of the mid rail



355-073S-SA	Ø50.8mm
355-027S-SA	Ø50.5mm

MATERIAL AL 6005-T5 + SUS 304

BASE RAIL END CLAMP

Specially designed end clamp to attach RRACKS™ components such as the walkway to the Base Rail.



355-054S-SA	35mm height

MATERIAL AL 6005-T5 + SUS 304

BOM 12M,1 MIDRAIL

ITEM NO.	DESCRIPTION	QTY
355-011S-SA-4000	Top Rail, 4m	3
355-030S-SA-900	Edge Protection Post	9
355-027S-SA	Rail D Tube End	2
355-012S-SA-4000	Mid rail, 4m	3
355-015S-MF	Tube Joiner Ø50.8mm	4
355-016S-MF	Tube Joiner Ø33.7mm	4
355-017S-SS	Adjustable Elbow Ø50.8mm	1
355-018S-SS	Adjustable Elbow Ø33.7mm	1
355-008S-MF-3900	Walkway 600mm	3
355-004S-MF	Walkway joiner	6
355-028S-SA	Base Rail Nut	18

BOM 12M, 2 MIDRAILS

ITEM NO.	DESCRIPTION	QTY
355-011S-SA-4000	Top Rail, 4m	3
355-031S-SA-900	Edge Protection Post	9
355-027S-SA	Rail D Tube End	2
355-012S-SA-4000	Mid rail, 4m	6
355-015S-MF	Tube Joiner Ø50.8mm	4
355-016S-MF	Tube Joiner Ø33.7mm	8
355-017S-SS	Adjustable Elbow Ø50.8mm	1
355-018S-SS	Adjustable Elbow Ø33.7mm	2
355-008S-MF-3900	Walkway 600mm	3
355-004S-MF	Walkway joiner	6
355-028S-SA	Base Rail Nut	18

BOM 12M, WITH TOE PLATE

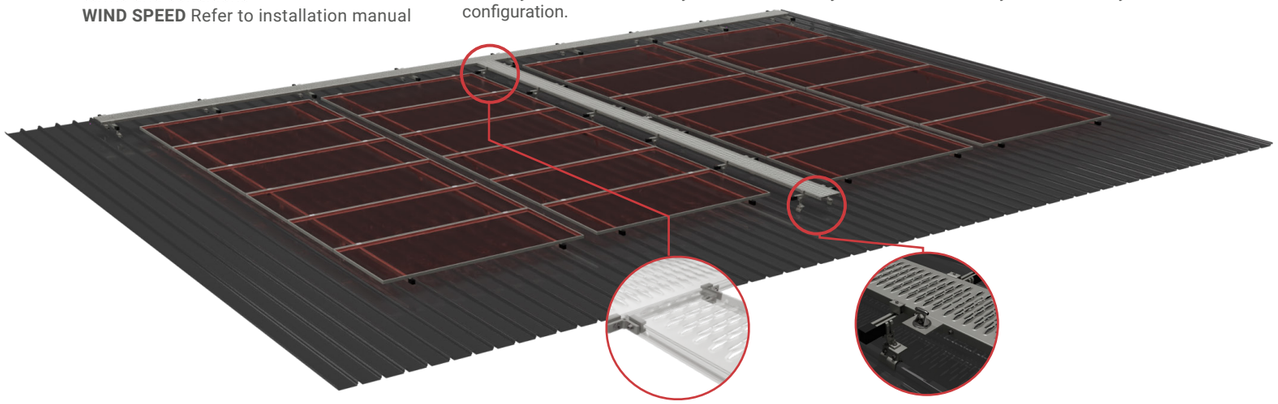
ITEM NO.	DESCRIPTION	QTY
355-011S-SA-4000	Top Rail, 4m	3
355-056S-SA-900	Edge Protection Post	9
355-027S-SA	Rail D Tube End	2
355-012S-SA-4000	Mid rail, 4m	6
355-015S-MF	Tube Joiner Ø50.8mm	4
355-016S-MF	Tube Joiner Ø33.7mm	8
355-017S-SS	Adjustable Elbow Ø50.8mm	1
355-018S-SS	Adjustable Elbow Ø33.7mm	2
355-008S-MF-3900	Walkway 600mm	3
355-004S-MF	Walkway joiner	6
355-028S-SA	Base Rail Nut	18
355-058S-SA-3236	Toe Plate	4

WALKWAYS

ALUMINIUM WALKWAY KIT

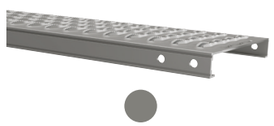
MATERIAL Mixture material (AL5052-H32, SS304, PVC, etc.)
WARRANTY **25 years** as subject to the terms and conditions
WIND SPEED Refer to installation manual

RRACKS™ walkway is made from our 6000 series aluminium to prevent corrosion and to ensure your roof won't have any rust problems due to weather and aging over time. Our aluminium walkway is engineered to Australian standards and is much lighter than steel walkways so that it can easily be moved around job sites and efficiently installed in any configuration.



WALKWAY PIECE

Anti-slip fully aluminium extruded walkway piece. Attach to the **R**RACKS™ aluminium rail to ensure a safe pathway while working on your roof.



355-047S-MF-3900	303×35×3900mm, AL 6005 T5
355-075S-MF-3900	400x35x3900mm, 5052-H32

MATERIAL AL 6005-T5 + SUS 304

35MM WALKWAY JOINER

Used to join 2 pieces of walkway together as well as provide extra support for anchor attachment.



355-048S-MF	Joiner for 35mm height walkway

MATERIAL AL 6005-T5 + SUS 304

90 DEGREE CONNECTOR

Specially designed connector to help you line up and secure two walkways when doing a T or L junction, removing the need for extra walkway support.



355-065S-MF	Connector for 35mm height walkway

MATERIAL AL 6005-T5 + SUS 304

INTER-WALKWAY CONNECTOR

Used to connect 2 walkways side by side. It helps create a wide access and a stronger walkway. Automatically locks in the channel of the extruded aluminium walkway for easier assembly.

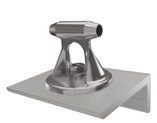


355-066S-SS	M8 with square nut 13x13mm

MATERIAL AL 6005-T5 + SUS 304

LIFELINE ANCHOR

Lifeline anchor to ensure safety while working on the roof. Needs to be attached to a post or rigid structure.



130-001S-SS	

MATERIAL SUS 316

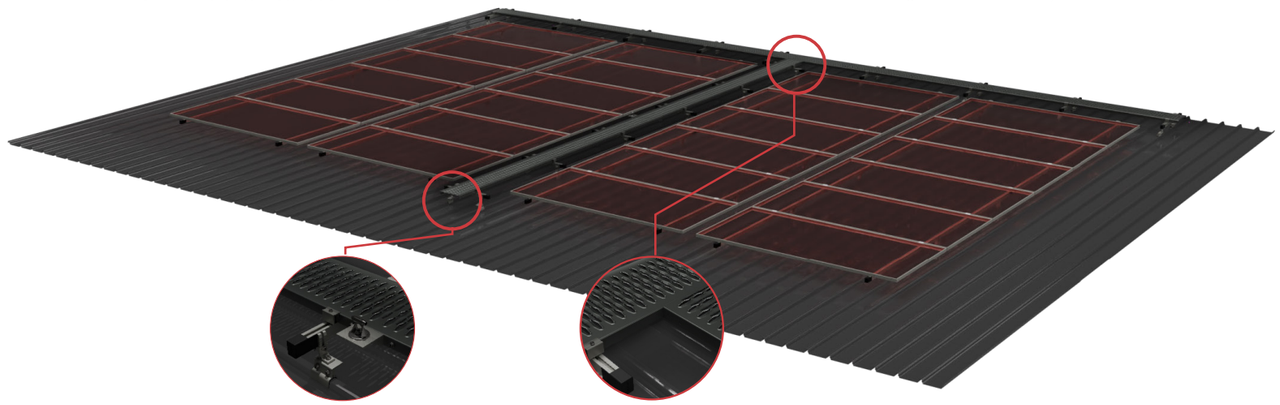
" We can offer lifeline products through our partner, FALLPROTEC."

FALLPROTEC
Height Safety Products

RZaM™ WALKWAY KIT

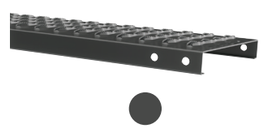
MATERIAL Mixture material
WARRANTY **12 years** as subject to the terms and conditions
WIND SPEED Refer to installation manual

Walkway made from our new **R**ZaM™ coating. The self-healing properties of the coating also ensure that your usage of the system will not result in anticipated rusting of the walkways. Engineered to Australian standard, it is a more cost-effective alternative to aluminium walkways and has better rust resistance than hot-dipped galvanized walkways.



RZaM™ WALKWAY PIECE

Anti-slip **R**ZaM™ walkway piece. Attach to the **R**RACKS™ aluminium rail to ensure a safe pathway while working on your roof.



355-063S-RZ-2900	300×35×2900mm
355-064S-RZ-2900	400×35×2900mm

MATERIAL S350GD (ZM275)

35MM WALKWAY JOINER

Used to join 2 pieces of walkway together as well as provide extra support for anchor attachment.



355-048S-MF	Joiner for 35mm height walkway

MATERIAL AL 6005-T5 + SUS 304

90 DEGREE CONNECTOR

Specially designed connector to help you line up and secure two walkways when doing a T or L junction, removing the need for extra walkway support.



355-065S-MF	Connector for 35mm height walkway

MATERIAL AL 6005-T5 + SUS 304

INTER-WALKWAY CONNECTOR

Used to connect 2 walkways side by side. It helps create a wide access and a stronger walkway. Automatically locks in the channel of the extruded aluminium walkway for easier assembly.

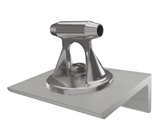


355-066S-SS	M8 with square nut 13x13mm

MATERIAL AL 6005-T5 + SUS 304

LIFELINE ANCHOR

Lifeline anchor to ensure safety while working on the roof. Needs to be attached to a post or rigid structure.



130-001S-SS	

MATERIAL SUS 316

SKYLIGHT PROTECTION

The **R**RACKS™ Skylight Protection System is designed to help building owners ensure the all-round safety of their properties. Aside from providing protection for covering unprotected roof lights as well as fragile roof light covers, the **R**RACKS™ Skylight Protection System also helps prevent any potential injuries from falls through skylights - all without blocking out the light.

RRACKS™ Skylight Protection will help improve safety for workers.

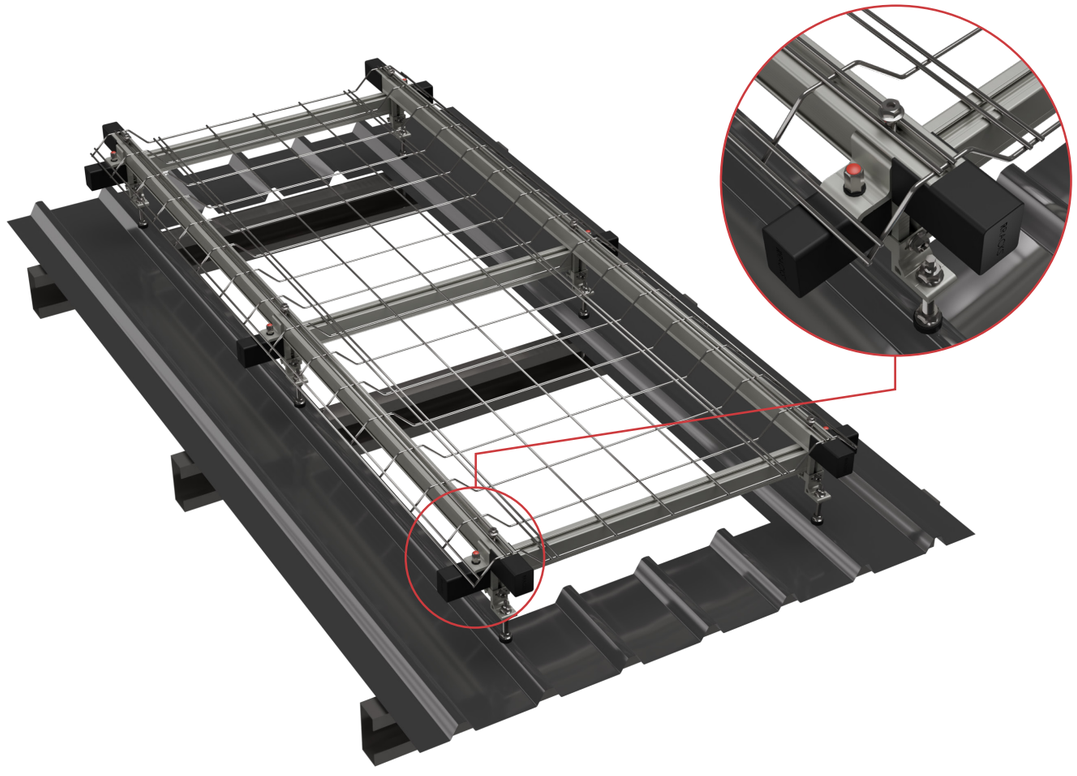
Adaptable solution for covering skylights on all types of roofs such as Klip-Lok roofs and corrugated roofs.

Easily transported and assembled while on the roof.

All components are aluminium while mesh frames are stainless steel for enhanced durability.

Mesh frames do not block out light, which keeps the building illuminated.

RRACKS™ Skylight Protection system is easy to install and integrate with other **R**RACKS™ structures.



SKYLIGHT PROTECTION - TRAPEZOIDAL ROOF

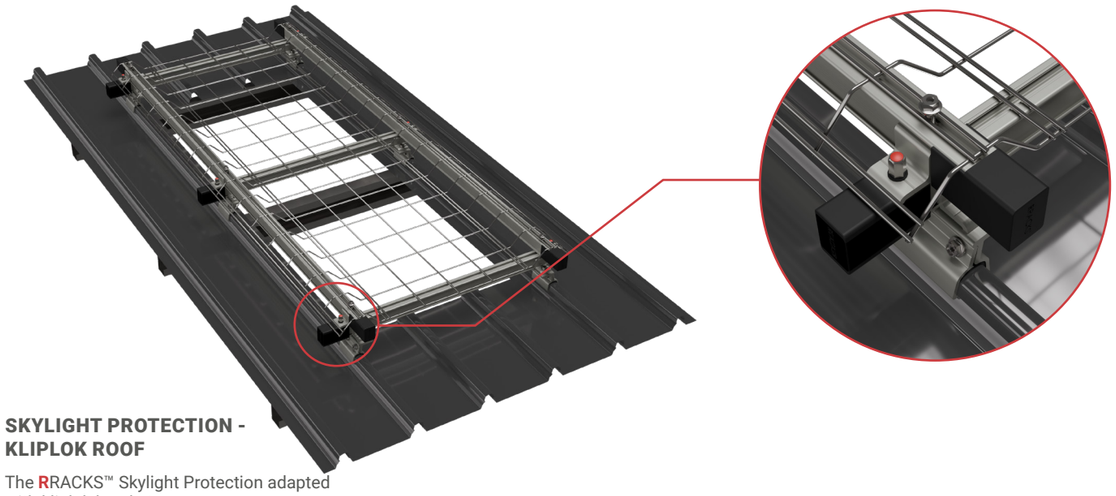
The **R**RACKS™ Skylight Protection adapted with Hanger bolts

408-0005	1.2m x 0.8m

MATERIAL Aluminium + Stainless Steel

BOM 2.4M

ITEM NO.	DESCRIPTION	QTY	MATERIAL
320-003S-MF-200	Hanger bolt	6	Steel
300-001S-MF-700	Clicknut rail 700mm	3	Aluminium
300-001S-MF-2350	Clicknut rail 2350mm	2	Aluminium
147-0002	End cap	10	Plastic
319-002S-SS	T-head rail connector	14	Steel
318-003S-MF	Cross rail bracket	6	Aluminium
357-001S-SS	Wire mesh	2	Steel



SKYLIGHT PROTECTION - KLIPLOK ROOF

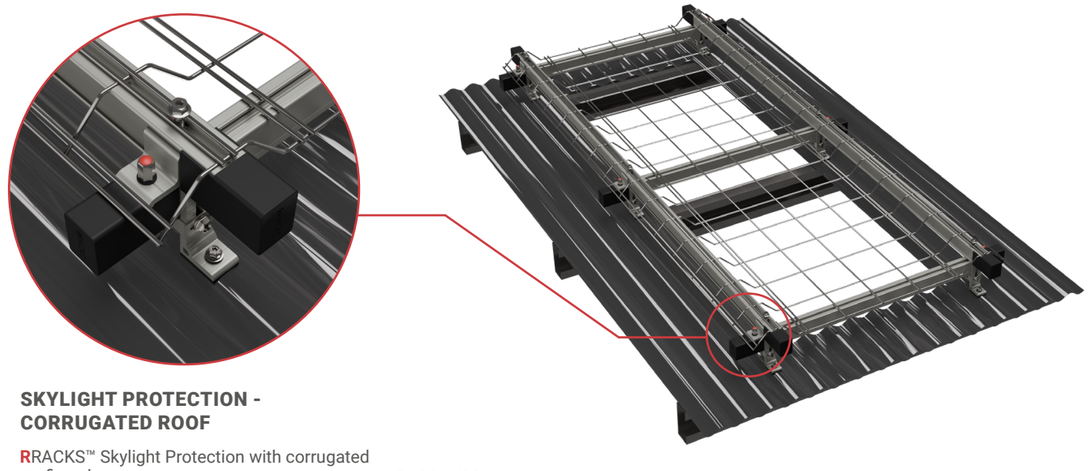
The **R**RACKS™ Skylight Protection adapted with kliplok brackets.

408-0007	1.2m x 0.8m

MATERIAL Aluminium + Stainless Steel

BOM 2.4M

ITEM NO.	DESCRIPTION	QTY	MATERIAL
314-101S-MF	Kliplok 700 for Skylight	6	Aluminium
300-001S-MF-700	Clicknut rail 700mm	6	Aluminium
300-001S-MF-2350	Clicknut rail 2350mm	3	Aluminium
147-0002	End cap	2	Plastic
319-002S-SS	T-head rail connector	10	Steel
318-003S-MF	Cross rail bracket	6	Aluminium
357-001S-SS	Wire mesh	1	Steel



SKYLIGHT PROTECTION - CORRUGATED ROOF

RRACKS™ Skylight Protection with corrugated roofing shoes.

408-0006	1.2m x 0.8m

MATERIAL Aluminium + Stainless Steel

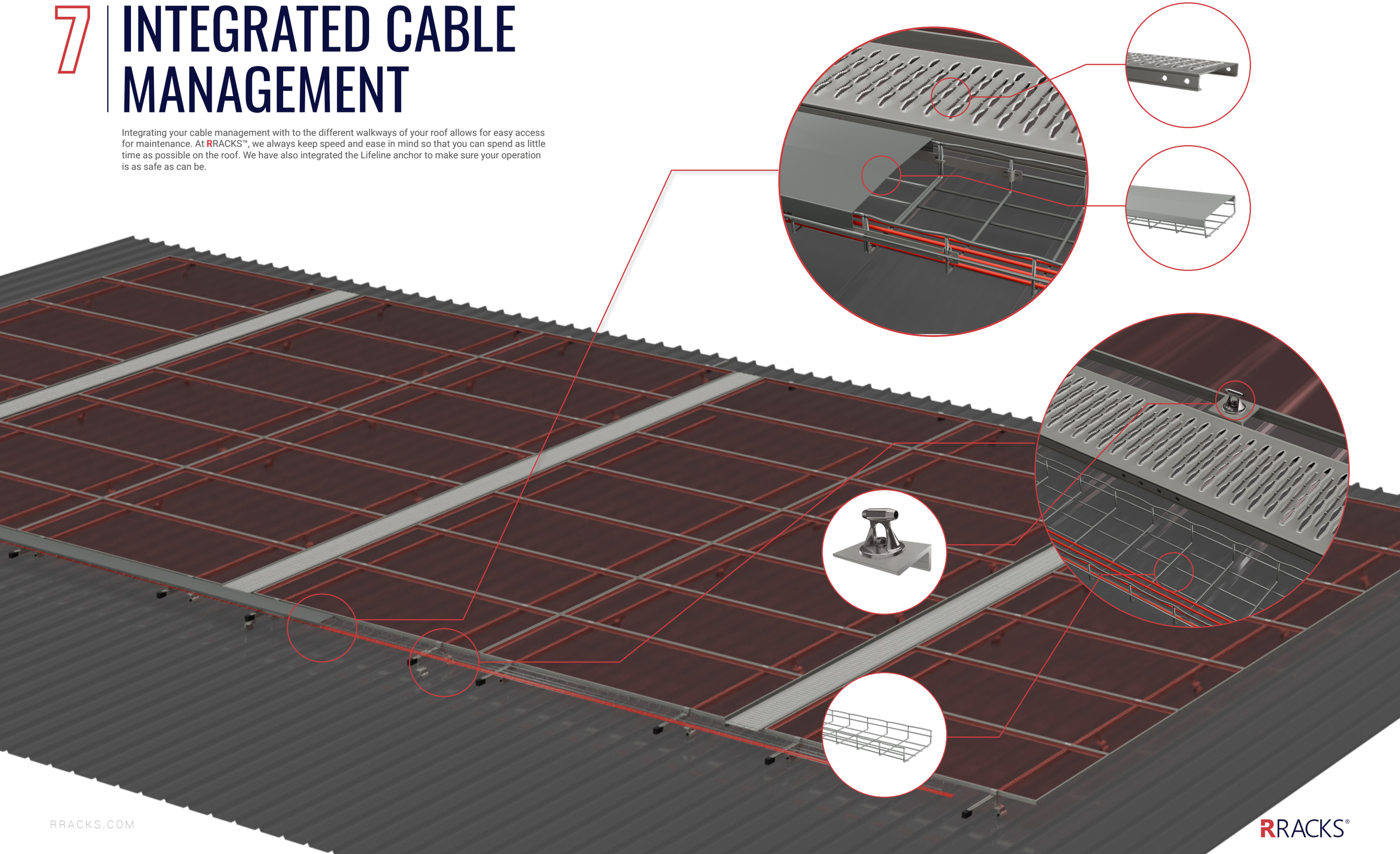
BOM 2.4M

ITEM NO.	DESCRIPTION	QTY	MATERIAL
304-044S-MF	Click L bracket with corrugated EPDM	6	Aluminium
100-0003	Roofing screw	6	Steel
300-001S-MF-700	Clicknut rail 700mm	3	Aluminium
300-001S-MF-2350	Clicknut rail 2350mm	2	Aluminium
319-002S-SS	T-head rail connector	6	Steel
147-0002	End cap	10	Plastic
318-003S-MF	Cross rail bracket	6	Aluminium
357-001S-SS	Wire mesh	1	Steel

RRACKS®

7 | INTEGRATED CABLE MANAGEMENT

Integrating your cable management with to the different walkways of your roof allows for easy access for maintenance. At RRACKS™, we always keep speed and ease in mind so that you can spend as little time as possible on the roof. We have also integrated the Lifeline anchor to make sure your operation is as safe as can be.





THAILAND

CAPACITY	**5 MW**
SCOPE OF WORK	Engineering, Solar Mounting,

RRACKS.COM

RRACKS®

CABLE MANAGEMENT

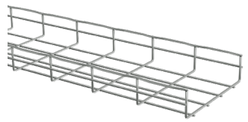
CABRACKS® by RRACKS®

RRACKS™ has been working on designing a range of innovative and durable solar mounting and cable management solutions. From this expertise was born CABRACKS®, a line entirely dedicated to cable management for PV solar systems. Each system is designed to meet industry standards, providing flexible and efficient cable routing adapted to all solar installation needs.

The Wire Mesh Cable Tray is produced by CABRACKS® from ASTM A510 high-strength steel wire. The design of the cable tray is adaptable with all cabling requirements and is sized and finished to match industry standards with more loading capability.
The Wire Basket System provides the necessary cable support while allowing unmatched field installation adaptability.
For consultation and advice on the best cable management with PV solar system, please call us.

WIRE MESH CABLE BASKET

Wire Mesh Cable Tray, used for cable management. Different widths and depths available



339-001S-HG ~~~~~~~~~~ 339-009S-HG	100x54x3000mm ~~~~~~~~~~~~~ 900x54x3000mm

MATERIAL ASTM A510

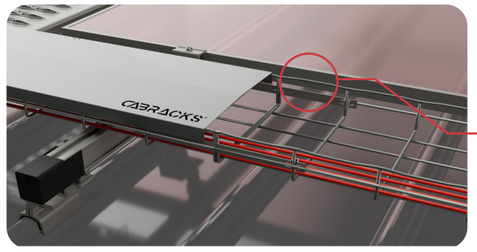
RZaM™ COVER

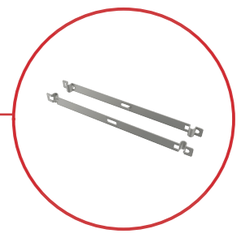
RZaM™ Steel peaked cable tray cover to evacuate water better and prevent rusting.



339-101S-HG ~~~~~~~~~~ 339-109S-HG	100x54x3000mm ~~~~~~~~~~~~~ 900x54x3000mm

MATERIAL S350GD (ZM275)



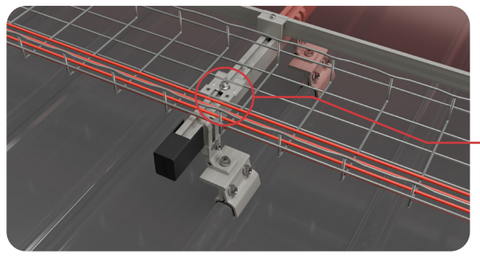


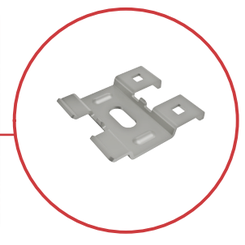
CABLE TRAY JOINER

Used to connect two pieces of cable tray together.

343-001S-HG

MATERIAL Q235B (Hot Dip Galvanized)





RAIL TO TRAY CONNECTOR

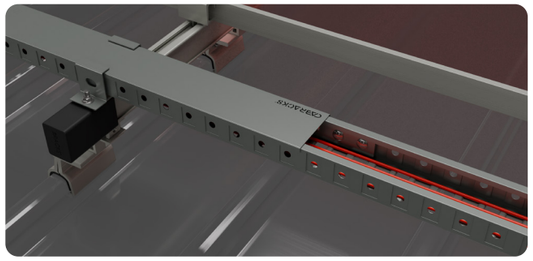
Attaches the cable tray to the rail.

355-059S

MATERIAL AL-5052

DT3 CABLE TRAY SYSTEM

CABRACKS® by RRACKS®



The DT3 Cable management System by CABRACKS® is produced from RZaM™ Steel. This sturdy cable tray system is adaptable to all your different cabling needs, is sized to meet all industry standards, and is strong enough to withstand harsh weather conditions for many years.
For consultation and advice on the best cable management system for your PV solar system needs, please call us.

DT3 CABLE TRAY

DT3 Cable Tray, made of RZaM™ coated high-strenght steel.

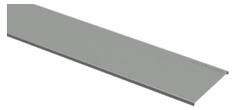


344-201S-RZ-2900	2900x100mm
344-202S-RZ-2900	2900x200mm

MATERIAL S350GD (ZM275)

STAMPED DT3 CABLE TRAY COVER

DT3 Cable Tray stamped with solar warning signs to reduce your workload when installing. Made of RZaM™ material.



344-211S-RZ-2900	2900x100mm
344-212S-RZ-2900	2900x200mm

MATERIAL S350GD (ZM275)

DT3 CABLE TRAY COVER CLIP

DT3 Cable Tray Cover Clip, designed to be easy to install and remove for maintenance.



353-101S-SS	12x58.6mm

MATERIAL SUS 304

SIDE CLAMP FOR DT3 CABLE TRAY, FOR CLICKNUT RAIL

RRACKS™ Clamp for connecting DT3 Cable Tray to RRACKS™ Aluminium Clicknut Rails.



302-055S-RZ	50mm width

MATERIAL S350GD (ZM275) + SUS 304

SIDE CLAMP FOR DT3 CABLE TRAY, FOR BASE RAIL

RRACKS™ Clamp for connecting DT3 Cable Tray to RRACKS™ Edge protection base rails.

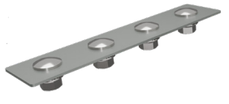


302-056S-RZ	50mm width

MATERIAL S350GD (ZM275) + SUS 304 + AL 6005-T5

DT3 CABLE TRAY JOINER

4 bolts joiner for DT3 Cable trays, comes with carriage bolts for easy tightening.



343-004S-RZ	200x45mm

MATERIAL S350GD (ZM275) + 8.8 (HDG)

CARRIAGE BOLT SET FOR DT3 CABLE TRAY

Carriage bolt for attaching custom accessories to the CABRACKS® DT3 Cable Trays.

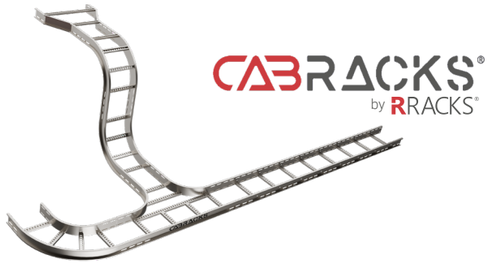


319-013S-HG	M10

MATERIAL 8.8 (HDG)

RRACKS®

CABLE LADDER SYSTEM



The **CAB**RACKS® Cable Ladder System by **R**RACKS™ is produced from Hot-Dipped Galvanized Steel. This sturdy cable ladder system is adaptable to all your different cabling needs, is sized to meet all industry standards, and is strong enough to withstand harsh weather conditions for many years. For consultation and advice on the best cable ladder system for your PV solar system needs, please call us.

CABLE LADDER

Stronger than the wire mesh cable tray. This is used for managing cables in your solar installation



344-001S-HG	200x100mm
344-002S-HG	300x100mm
344-003S-HG	600x100mm

MATERIAL Q235B (Hot Dip Galvanized)

CABLE LADDER 90° HORIZONTAL

90° horizontal bend for your cable ladder system. ITEM NO. MATERIAL



344-011S-HG	200x100mm
344-012S-HG	300x100mm
344-013S-HG	600x100mm

MATERIAL Q235B (Hot Dip Galvanized)

CABLE LADDER T JUNCTION

T junction for your cable ladder system.



344-021S-HG	200x100mm
344-022S-HG	300x100mm
344-023S-HG	600x100mm

MATERIAL Q235B (Hot Dip Galvanized)

CABLE LADDER INTERNAL RISER

Internal riser to go vertical in your cable ladder system



344-031S-HG	200x100mm
344-032S-HG	300x100mm
344-033S-HG	600x100mm

MATERIAL Q235B (Hot Dip Galvanized)

CABLE LADDER EXTERNAL RISER

External riser to go vertical in your cable ladder system.



344-041S-HG	200x100mm
344-042S-HG	300x100mm
344-043S-HG	600x100mm

MATERIAL Q235B (Hot Dip Galvanized)

CABLE LADDER REDUCER

Reducer to connect different width of cable ladder.

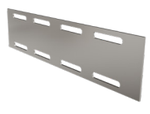


344-051S-HG	200x100mm
344-052S-HG	300x100mm
344-053S-HG	600x100mm

MATERIAL Q235B (Hot Dip Galvanized)

CONNECTOR

Used to connect every piece of cable ladder together.



343-002S-HG	

MATERIAL Q235B (Hot Dip Galvanized)

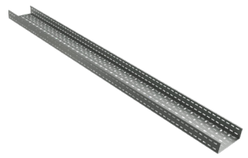
CABLE TRAY SYSTEM



Produced from **R**ZaM™ Steel, your cable trays by **CAB**RACKS® are built to keep your cables organised for years. **R**ZaM™ Steel is more rust-resistant than standard galvanized steel, giving you the confidence you need for all your PV Solar installations.

RZaM™ CABLE TRAY

An enclosed version of the cable tray. Stronger than the wire mesh cable tray. Used to manage cables in your solar project.

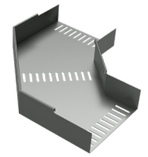


344-101S-RZ	200x100mm
344-102S-RZ	300x100mm
344-103S-RZ	600x100mm

MATERIAL S350GD (ZM275)

RZaM™ CABLE TRAY 90° HORIZONTAL

90° horizontal tray for your cable tray system.

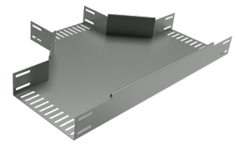


344-111S-RZ	200x100mm
344-112S-RZ	300x100mm
344-113S-RZ	600x100mm

MATERIAL S350GD (ZM275)

T JUNCTION

T junction for your cable tray system.



344-121S-RZ	200x100mm
344-122S-RZ	300x100mm
344-123S-RZ	600x100mm

MATERIAL S350GD (ZM275)

CABLE TRAY INTERNAL RISER

Internal riser to go vertical in your cable tray system.



344-131S-RZ	200x100mm
344-132S-RZ	300x100mm
344-133S-RZ	600x100mm

MATERIAL S350GD (ZM275)

CABLE TRAY EXTERNAL RISER

External riser to go vertical in your cable tray system.

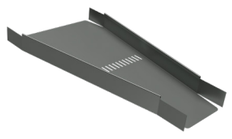


344-141S-RZ	200x100mm
344-142S-RZ	300x100mm
344-143S-RZ	600x100mm

MATERIAL S350GD (ZM275)

CABLE TRAY REDUCER

Reducer to connect different width of cable ladder in your system.

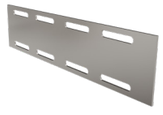


344-151S-RZ	200x100mm
344-152S-RZ	300x100mm
344-153S-RZ	600x100mm

MATERIAL S350GD (ZM275)

CONNECTOR

Used to connect every piece of cable tray together.



343-003S-HG	

MATERIAL Q235B (Hot Dip Galvanized)

8 PAST PROJECTS

Our project management consultancy covers site management, staff installation training, safety training, planning and design, logistics planning, and schedule and budget planning.





9 | MIGHTYLIFTER



Founded in 2004 as a family business, MIGHTYLIFTER was born out of the experience of working, as the son of the family began working in the air conditioning industry. He found this sector to be less than optimal, with many tasks being slow, complicated, and risky.

Having quickly understood that the cause of all these problems was loading the fans on the roofs of the houses, he looked for a way to meet his needs on the market, but no system met the need he perceived as an installer.

Faced with a need of this importance, the family decided to build a company that could meet this need around three main axes, efficiency, safety and resistance. After designing, testing and prototyping numerous systems with a team of six engineers in Australia, and surrounded by four main partners, the first generation MightyLifter was born.

MIGHTYLIFTER.COM

With experience in the installation industry, the family business quickly developed sales and new models.
Some of these models have their own successes, such as the 2008 ultra-lightweight model that won the Victorian Worksafe Award.

Always striving to improve the product line, MightyLifter continued to produce designs that won numerous awards, such as the RACV award for safety in 2009 and honors at the Australian WorkSafe Awards at Parliament House in Canberra.

Today, MightyLifter has grown to include nearly twenty designers and engineers in Australia, Europe, the United States, and Asia. All of them have the same vision: to develop the most advanced and sophisticated system to meet all the needs of installers when loading heavy objects on the roof of buildings.

This goal has been achieved with the release of the new generation MightyLifter.

MIGHTYLIFTER'S AWARDS AND PARTNERS

RRACKS®

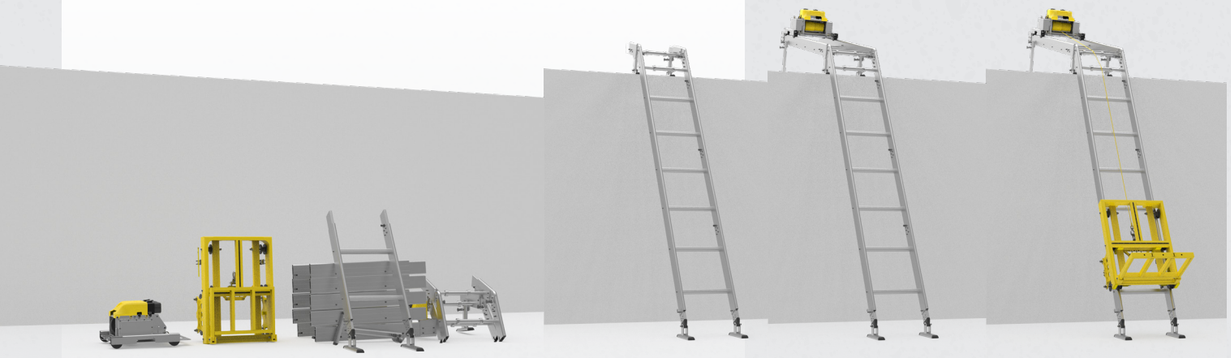
WorkSafe Victoria Awards
Best Health and Safety Initiative for Small Business
2008
1ST PLACE WINNER

WorkSafe VICTORIA

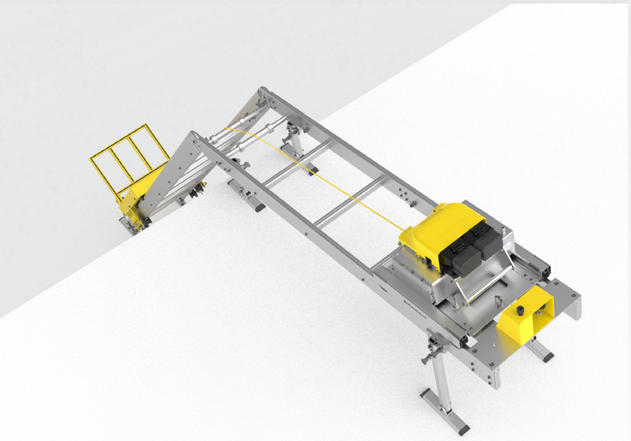
RACV

AUSTRALIAN PARLIAMENT HOUSE

> FAST AND EASY TO USE



The MightyLifter is entirely designed to optimize your time. Easily assemble the machine in under 10 minutes with only 2 people. Simple installation steps requiring minimal tooling allow you to start using your MightyLifter in a matter of minutes. Simply assemble the sections on the ground, pull the vertical section onto the roof, add the top section and trolley, and you are ready to lift all day.



MIGHTYLIFTER.COM

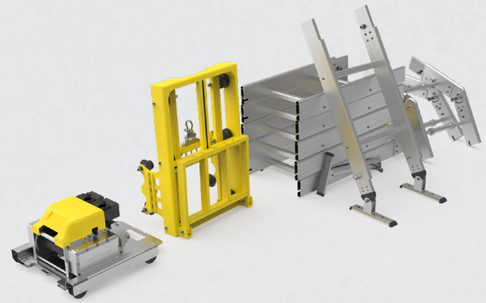
> STRONG AND DURABLE

The MightyLifter allows you to lift heavy and high-volume items easily. Lift up to 250kg of material on each lift without risk for you or your team. This is made possible with a high quality of fabrication and design as well as using the best aluminium alloy available, AL 6063-T6. This makes it not only robust but also rust-resistant, ensuring that you will be able to use your MightyLifter for years.

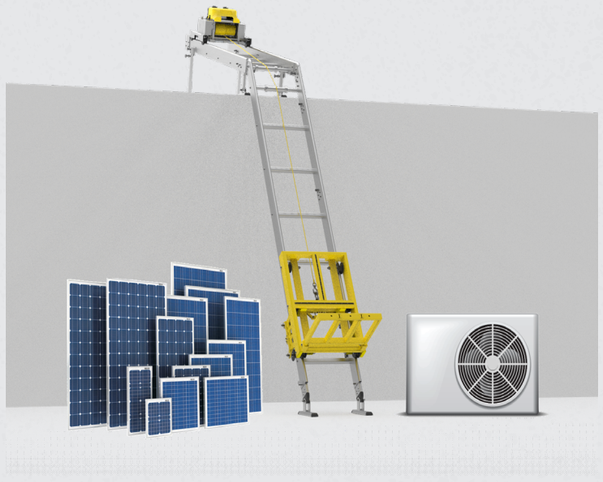


> LIGHT

While designing the MightyLifter, we wanted to keep it as compact as possible, and to have all components be easy to carry. That's why we chose aluminium as the main material. All individual parts are under 25kg, with the longest piece being 0.9m for the standard and 1.8m for the XL commercial units. You can easily carry the sections in and out of your trailer, truck, utility van or large 4WD car.







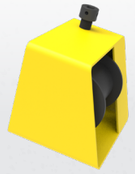
> MODULAR

Because we want you to be able to work wherever you need, we designed the MightyLifter to work on all roof types. We designed it to fit any roof pitch with its adaptable legs, as well as any roof height from 2.7 to 20 meters with the appropriate extensions. You can also adjust each leg individually to work on uneven terrain.



We have designed the MightyLifter to meet many of your needs. For this purpose, we have made the trolley large and strong enough to lift solar panels, AC units, roof tiles, etc.

With the manual winch that can fit your cordless drill, you can get started in seconds.



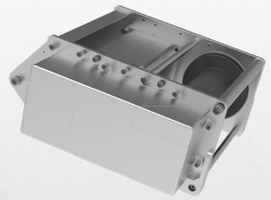
Or you can choose the 1.5kW battery-powered winch for off-grid or independent installations.



> AUTONOMOUS

The MightyLifter is also designed to allow you to work however you want. This is possible thanks to the 3 winch options, which you can choose to suit your needs.

Electric winch for large jobs with access to an electric plug.





> EFFICIENT AND EASY

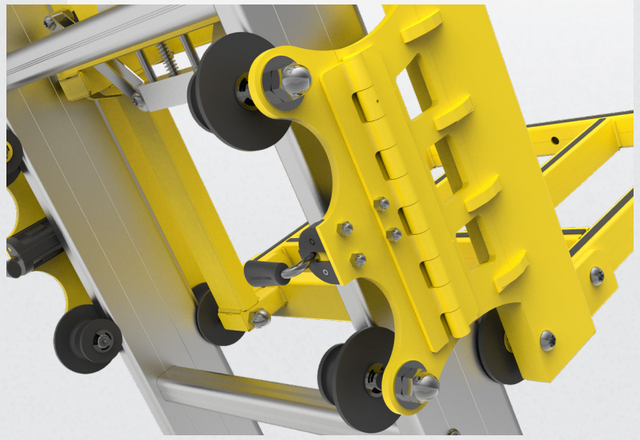
Designed with ease of use in mind, all the modules are easy to set up and secure together with a 1/2-inch socket adapter. A wide range of additionnal parts allows you to adapt the MightyLifter to the needs of each job.

MIGHTYLIFTER.COM

No more difficulties lifting items thanks to the simplicity of assembly and use; you will only have to perform three steps: loading, lifting and unloading.

> SAFE

With new health and safety regulations to consider, the MightyLifter can help protect you and your team. Doing so ensures that none of your employees are at risk or off work due to injury, while also protecting your company from being liable for any negligence.

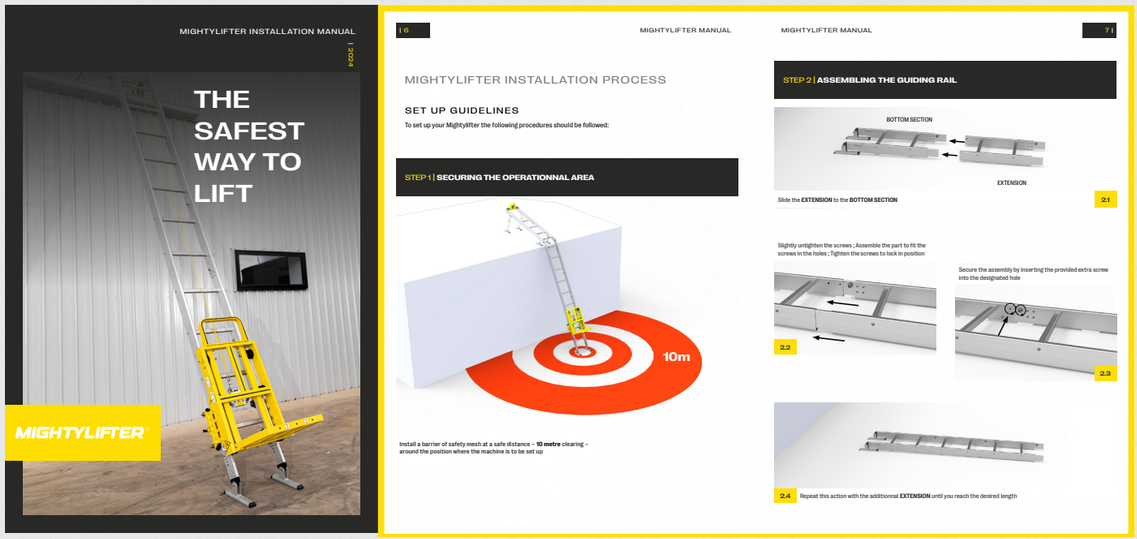




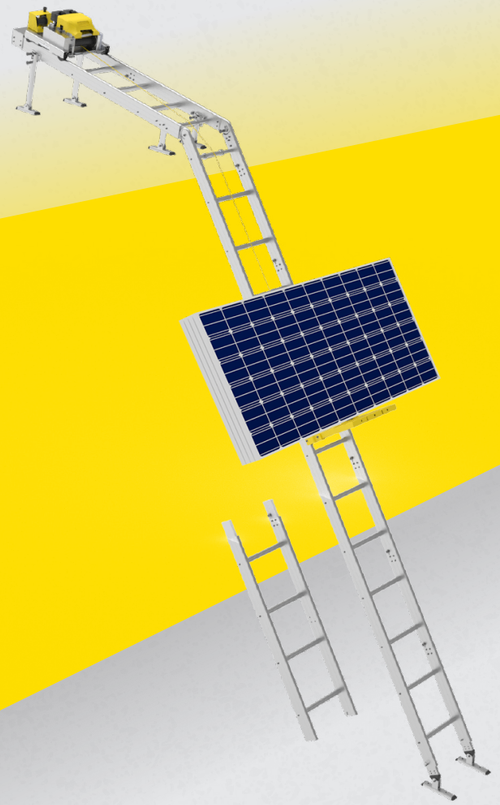
Engineered to Australian Standards (AS1418.1SAA), we guarantee a safe, serene, and worry-free user experience.

> USER SUPPORT

We offer you the best user experience with the MightyLifter installation manual. Here you will find the few simple steps to set up your MightyLifter as well as some informative details. Everything is done to make your work easier and save you time.



COMMERCIAL EDITION



MIGHTYLIFTER / COMMERCIAL EDITIONS

The MIGHTYLIFTER COMMERCIAL EDITION is composed of 1.8m length extensions, which allows for installations on higher roofs. It also comes with extra angle piece to fit flat roofs.

CODE	SPECS	MAX HEIGHT (M)
ML-14-005	ML 7200 Commercial Edition	7.2
ML-14-006	ML 9000 Commercial Edition	9.0
ML-14-007	ML 10800 Commercial Edition	10.8
ML-14-008	ML 12600 Commercial Edition	12.6

MIGHTYLIFTER.COM

STANDARD EDITION (RESIDENTIAL)



MIGHTYLIFTER / STANDARD EDITIONS

The MIGHTYLIFTER STANDARD EDITION is composed of 0.9m length extensions, which allows for easier assembly and transportation in the back of a truck.

CODE	SPECS	MAX HEIGHT (M)
ML-14-001	ML 2700 Standard Edition	2.7
ML-14-002	ML 3600 Standard Edition	3.6
ML-14-003	ML 4500 Standard Edition	4.5
ML-14-004	ML 5400 Standard Edition	5.4

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