



2020

PRODUCT GUIDE



SOLAR CONNECTIONS
INTERNATIONAL
THE FUTURE OF SOLAR ATTACHMENTS™

(800) 815-7652 | INFO@SOLARCONNECTIONS.COM | SOLARCONNECTIONS.COM

METALMASTER ROOFMASTER

LEADER IN THE INDUSTRY



OUR HISTORY

METALMASTER ROOFMASTER (Parent Company)

Founded in 1977, Metalmaster was born. With the creativity and attention to detail, a strong knowledge of the industry, and a commitment to succeed, George Smeja and his family has been a successful roofing contractor and commercial sheet metal supplier for over 42+ years.

- Standing Seam Metal Roofing
- Custom Sheet Metal Fabrication
- Snow Retention System Installation
- Wall Panel Systems
- Service & Maintenance
- New Construction Roofing
- Re-Roofing
- Green Roofing
- Architectural Sheet Metal
- 1-on-1 Customer Support

SNO GEM (Sister Company)

Founded in 1994, Sno Gem has leveraged over 40 years of experience in architectural sheet metal and roofing to develop highly effective and aesthetically pleasing snow guards. Sno Gem has a solution for virtually any roof type and utilizes a variety of materials to precisely match the color and requirements of each individual job.

- World-wide installations
- Leader in the industry with 20+ years in business
- Innovative Designs
- Standing Seam Sheet Metal Roof Systems
- 1-on-1 Customer Support

SOLAR CONNECTIONS

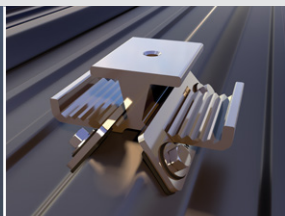
Founded in 2015, The SCI Research & Development Team is an innovative leader in the industry that carries over 20-years of metal roof attachment experience, delivering cutting-edge designs and high-quality products that revolutionize solar panel attachments, while integrating a low-cost and labor savings on the roof.

- World-Wide Installations
- Certified & Innovative Product Design
- Versatile Racking Options
- 1-on-1 Customer Support
- Metal and Shingle Roof Attachments

ROOF TYPES



STANDING SEAM



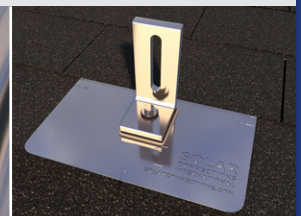
R-PANEL
RIB ATTACHMENT



R-PANEL
VALLEY ATTACHMENT

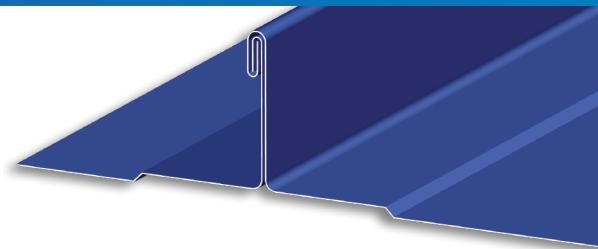


CORRUGATED



ASPHALT SHINGLE

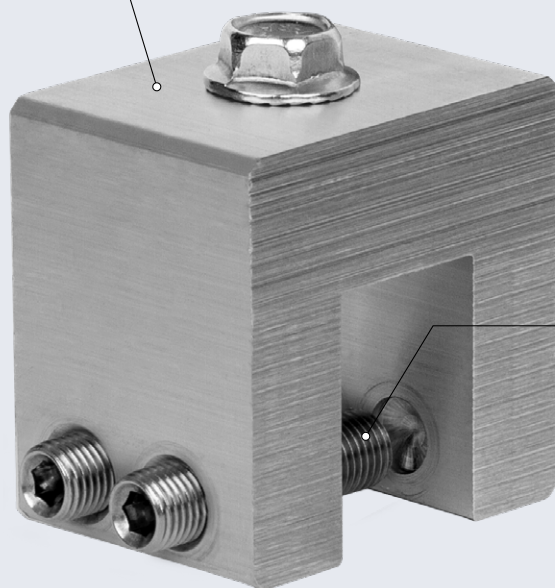
STANDING SEAM



POWER CLAMP FOR STANDING SEAM ROOFS

STANDING SEAM POWER CLAMP

- Incredible Strength
- Cost effective
- Compatible with Universal L-Foot & Solar Connection Kit
- 6061-T6 Aluminum
- Available with 1, 2, or 3 Silver Bullet Set Screw Configuration

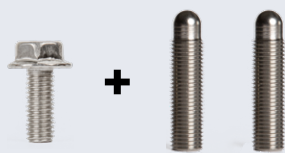


SILVER BULLET SET SCREW

- Will Not Penetrate the Roof Seam
- Ball Point Head Eliminates Any Marring of Paint or Damage to the Roof Panel Seam
- Patented Design

What's Included:

- M8 Serrated 20mm Bolt
- (2) Silver Bullet Screws



(Standard Clamp Hardware Shown)

Reference Guide on **Page 3**

POWER CLAMPS AVAILABLE



STANDARD

MINI

KLOC


















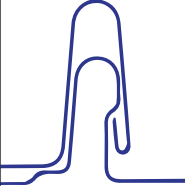


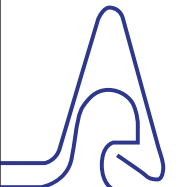
KLOC MINI

WIDE

See **Page 11** for Racking Option Information

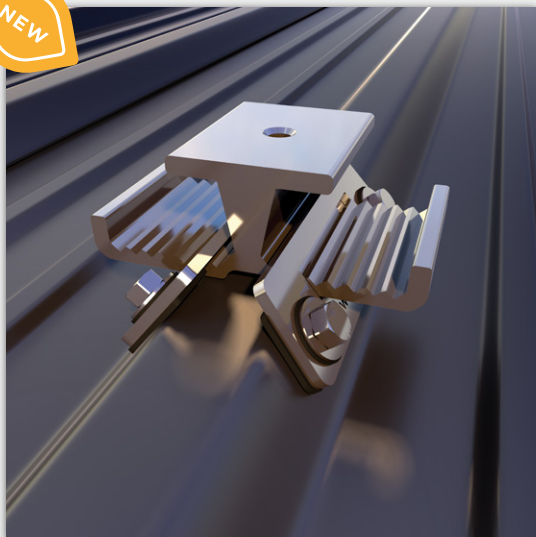
REFERENCE GUIDE:

STANDING SEAM POWER CLAMP

STANDING SEAM POWER CLAMP		INCLUDED HARDWARE	THEIR CLAMP	STANDING SEAM ROOF PROFILE				
STANDARD		M8 x 20mm Hex 	S-5-E					
		Silver Bullet 1.5\" data-bbox="254 284 298 334"/>	S-5-H90					
			S-5-S					
			S-5-U					
			S-5-V					
MINI		M8 x 20mm Hex 	S-5-E MINI					
		Silver Bullet 1.5\" data-bbox="254 443 298 493"/>	S-5-S MINI					
			S-5-U MINI					
			S-5-V MINI					
WIDE		M8 x 20mm Hex 	S-5-H					
			S-5-H MINI					
		Silver Bullet 1.5\" data-bbox="254 600 298 650"/>	S-5-T					
			S-5-T MINI					
			S-5-Z					
KLOC		M8 x 20mm Hex 	S-5-N					
			S-5-N 1.5					
		Silver Bullet 1.0\" data-bbox="254 771 298 811"/>	S-5-N 1.5 MINI					
KLOC MINI		M8 x 20mm Hex 	S-5-N MINI					
		Silver Bullet 1.0\" data-bbox="254 921 298 961"/>						

R-PANEL

POWERMOUNT ADJUST FOR R-PANEL ROOFS



FULLY ADJUSTABLE R-PANEL / TRAPEZOIDAL SOLUTION

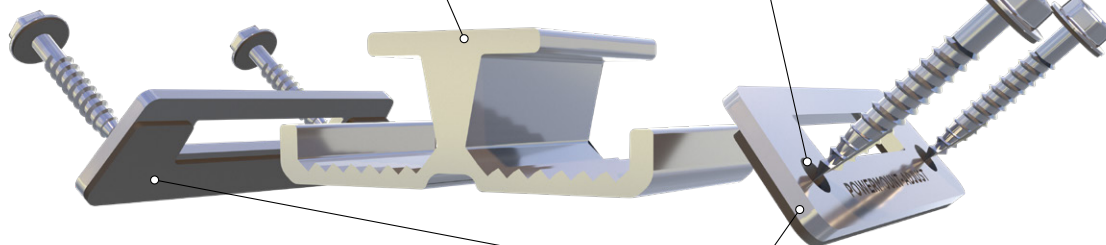
- Priced more aggressive than S-5! ProteaBracket and a EcoFasten Corruslide
- Overall better design and aesthetics
- Pre-applied EPDM gaskets for water tight seal
- 1 SKU (easy to stock)
- Packaged in quantities of 50
- Fits on ribbed panels ranging from .75" - 3.00"

POWERMOUNT ADJUST

- Single Piece Design Simplifies Installation and Reduces Cost
- Fits Majority of Ribbed Panels
- 6061-T6 Aluminum

ATTACHMENT

- 4 Points of Attachment
- #14 x 7/8" SS Single Piece Cap with EPDM Washer
- Angled Attachment for Maximum Uplift Strength
 - 1 SKU - Fits majority of ribbed panels



What's Included:

- PowerMount Adjust Bracket
- 2 PowerWings with pre-applied EPDM Gaskets
- 4 Fully Gasketed S.S. Fasteners
- M8 Serrated Bolt

POWERWINGS

- Pre-Applied EPDM Gaskets
- Premium Water Tight Seal
 - Double Sided
- EPDM with extended Release Liner



R-PANEL

POWERMOUNT-S™ FOR R-PANEL ROOFS

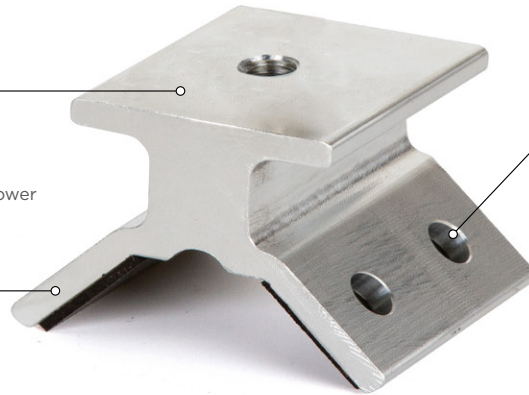
ONE PIECE

POWERMOUNT-S™

- Single Piece Design Simplifies Installation and Reduces Cost
- Fits Majority of R-Panels
- Large Mounting Surface for Increased Holding Power
- 6061-T6 Aluminum

EPDM SEAL

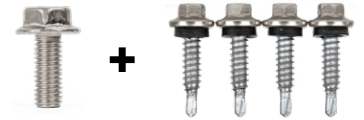
- Pre-Applied EPDM Gaskets
- Premium Water Tight Seal



ATTACHMENT

- 4 Points of Attachment
- #14 x 1-1/8" SS Single Piece Cap with EPDM Washer
- Angled Attachment for Maximum Uplift Strength

Single Piece PowerMounts™ Include:
M8 Serrated 20mm bolt •
4 Fully Gasketed S.S. Fasteners •



Reference Guide on **Page 6**

FAMILY OF AVAILABLE S-SERIES POWERMOUNTS™

VALLEY ATTACHMENT



PowerMount™-1045S

PowerMount™-7545S

PowerMount™-5000S

PowerMount™-5500S

PowerMount™-6000S

PowerMount™-6500S

PowerMount™-9000S

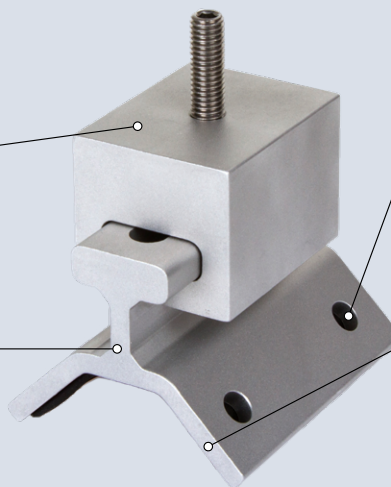
TWO PIECE

UNIVERSAL PV CUBE™

- Utilizes PowerGlide™ Technology
- Robust Design for Unparalleled Strength
- 6061-T6 Aluminum
- Works on All PowerMount Applications

POWERMOUNT™

- Fits Majority of R-Panels
- Up to 2" Adjustment for Easy Install
- 6061-T6 Aluminum



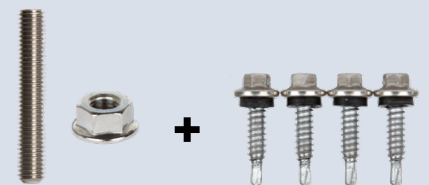
ATTACHMENT

- 4 Points of Attachment
- 14x1" SS Single Piece Cap and Seal with EPDM Washer
- Angled Attachment
- 6061-T6 Aluminum

EPDM SEAL

- Pre-Applied EPDM Gaskets
- Premium Water Tight Seal

Two Piece PowerMounts™ Include:
Threaded Anchor & Hex Nut •
4 Fully Gasketed S.S. Fasteners •




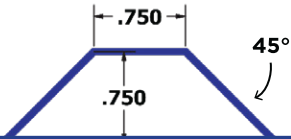



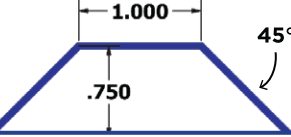



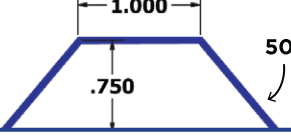



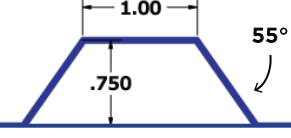



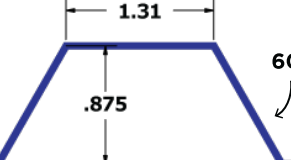



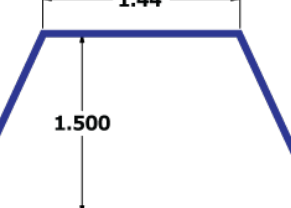


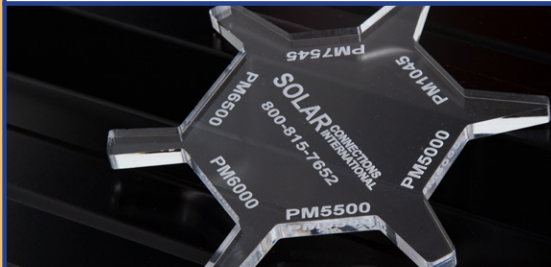
Reference Guide on **Page 7**

R-PANEL RIB ATTACHMENTS

ONE PIECE

* Non Adjustable R-Panel / Trapezoidal Attachments

R-PANEL POWERMOUNT SINGLE PIECE	INCLUDED HARDWARE		R-PANEL ROOF PROFILE
7545-S 	7/8" Stainless Steel #14 Self-Tapping Screws 	M8 Serrated 20mm Bolt 	
1045-S 	7/8" Stainless Steel #14 Self-Tapping Screws 	M8 Serrated 20mm Bolt 	
5000-S 	7/8" Stainless Steel #14 Self-Tapping Screws 	M8 Serrated 20mm Bolt 	
5500-S 	7/8" Stainless Steel #14 Self-Tapping Screws 	M8 Serrated 20mm Bolt 	
6000-S 	7/8" Stainless Steel #14 Self-Tapping Screws 	M8 Serrated 20mm Bolt 	
6500-S 	7/8" Stainless Steel #14 Self-Tapping Screws 	M8 Serrated 20mm Bolt 	



NEED TO FIGURE OUT WHAT MOUNT YOU NEED?




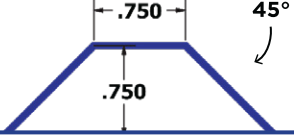



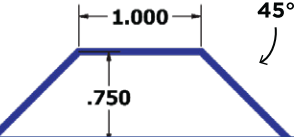



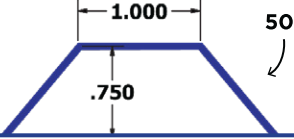



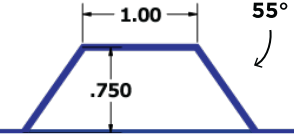



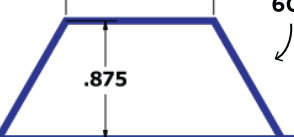



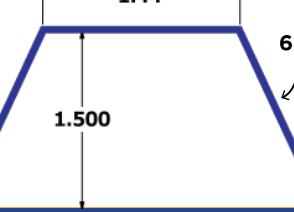

Try out our **NEW** R-Panel Measuring Tool (Shown left) and take out the guesswork.

Easily figure out which Ribbed PowerMount you need. Using the PN listed above each insert, measure in the field, snap a picture, and send to your Distributor for accurate ordering!

SOLAR CONNECTIONS INTERNATIONAL R-PANEL RIB ATTACHMENTS

TWO PIECE

* 2" Adjustability North + South / Trapezoidal Attachments

R-PANEL POWERMOUNT TWO PIECE		INCLUDED HARDWARE		R-PANEL ROOF PROFILE
7545		7/8" Stainless Steel #14 Self-Tapping Screws 	Threaded Anchor and Nut 	
1045		7/8" Stainless Steel #14 Self-Tapping Screws 	Threaded Anchor and Nut 	
5000		7/8" Stainless Steel #14 Self-Tapping Screws 	Threaded Anchor and Nut 	
5500		7/8" Stainless Steel #14 Self-Tapping Screws 	Threaded Anchor and Nut 	
6000		7/8" Stainless Steel #14 Self-Tapping Screws 	Threaded Anchor and Nut 	
6500		7/8" Stainless Steel #14 Self-Tapping Screws 	Threaded Anchor and Nut 	
		NEED TO FIGURE OUT WHAT MOUNT YOU NEED? Try out our NEW R-Panel Measuring Tool (Shown left) and take out the guesswork. Easily figure out which Ribbed PowerMount you need. Using the PN listed above each insert, measure in the field, snap a picture, and send to your Distributor for accurate ordering!		

VALLEY ATTACHMENTS



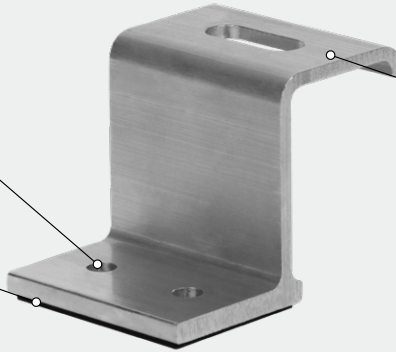
Z-BRACKET FOR R-PANEL ROOFS

ATTACHMENT

- 2 Points of Attachment
- Fasteners can be provided if needed

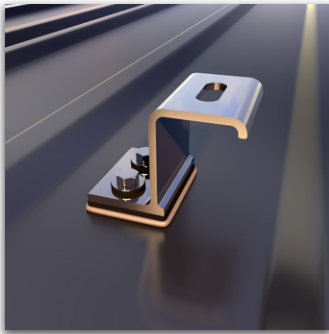
EPDM SEAL

- Pre-Applied EPDM Gaskets
- Premium Water Tight Seal



Z-BRACKET

- Large Mounting Surface for Increased Holding Power
 - 6061-T6 Aluminum
- Universal Valley Attachment
- Lower shipping cost with lightweight design
 - 1" slot for adjustability



VALLEY ATTACHMENT

- Priced more aggressive than S-5! VersaBracket/SolarFoot
- Half the weight of PM9000-S providing inexpensive shipping costs
- Pre-applied EPDM gasket for water tight seal
- 1 SKU (easy to stock)
- Packaged in quantities of 50

VALLEY POWERMOUNT		INCLUDED HARDWARE		ROOF PROFILE
9000-S 1-PIECE		3" Stainless Steel #14 Self-Tapping Screws	M8 Serrated 20mm Bolt	VALLEY ATTACHMENT
9000 2-PIECE		3" Stainless Steel #14 Self-Tapping Screws	Threaded Anchor and Nut	VALLEY ATTACHMENT
Z-BRACKET		3" Stainless Steel #14 Self-Tapping Screws OPTIONAL	Optional hardware provided if needed	

CORRUGATED

POWERMOUNT-S™ FOR CORRUGATED ROOFS

ONE PIECE

POWERMOUNT-S™

- Single Piece Design Simplifies Installation and Reduces Cost
- Fits Majority of Corrugated Panels 1 SKU
- Large Mounting Surface for Increased Holding Power
- 6061-T6 Aluminum

ATTACHMENT

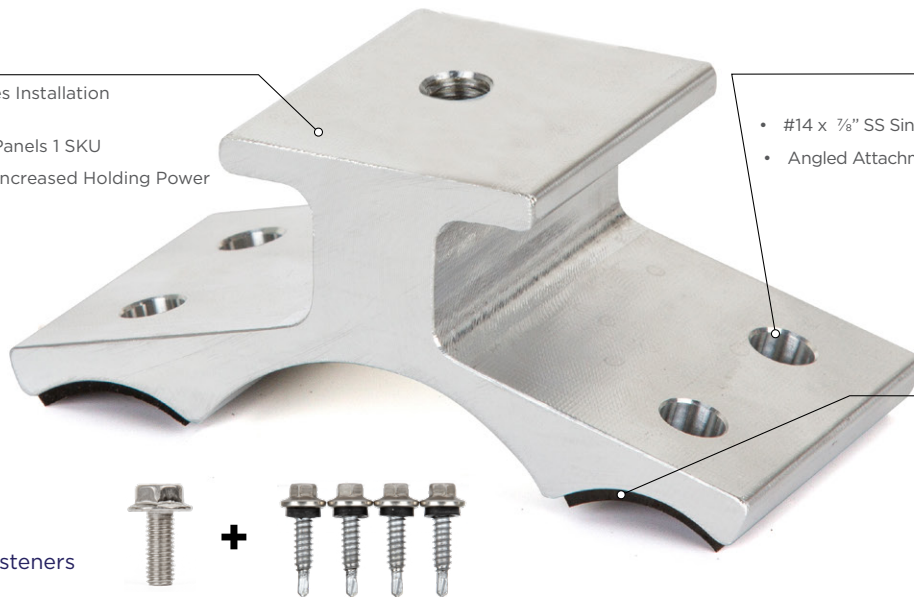
- 4 Points of Attachment
- #14 x 7/8" SS Single Piece Cap with EPDM Washer
- Angled Attachment for Maximum Uplift Strength

EPDM SEAL

- Pre-Applied EPDM Gaskets
- Premium Water Tight Seal

What's Included:

- M8 Serrated 20mm bolt
- 4 Fully Gasketed S.S. Fasteners



TWO PIECE

UNIVERSAL PV CUBE™

- Utilizes PowerGlide™ Technology
- Robust Design for Unparalleled Strength
- 6061-T6 Aluminum
- Works on All PowerMount Applications
- Large Mounting Surface for Increased Holding Power

ATTACHMENT

- 4 Points of Attachment
- #14 x 7/8" SS Single Piece Cap with EPDM Washer
- Angled Attachment for Maximum Uplift Strength

EPDM SEAL

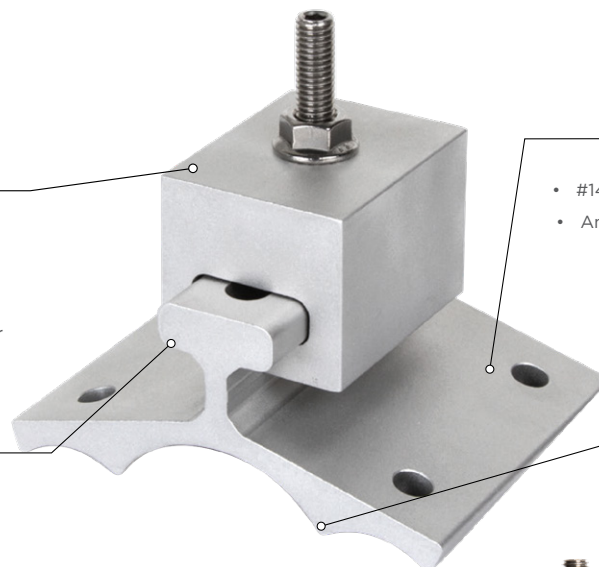
- Pre-Applied EPDM Gaskets
- Premium Water Tight Seal

POWERMOUNT

- Single Piece Design Simplifies Installation and Reduces Cost
- Fits Majority of Corrugated Panels 1 SKU
- 6061-T6 Aluminum

What's Included:

- Threaded Anchor
- 4 Fully Gasketed S.S. Fasteners
- SS Hex Nut



ASPHALT SHINGLE



What's Included:

- 8" x 12" Powerplate
- 4" Lag Bolt
- L-Foot
- Packaged in 20 QTY kits

POWERPLATE™

- 8" X 12" Flashing Plate
- .032 Mill Finish Aluminum
- Reference Marks for Easy Install
- Standard Mill Finish
- Black Coated Option Available
- Elevated Water Seal Design

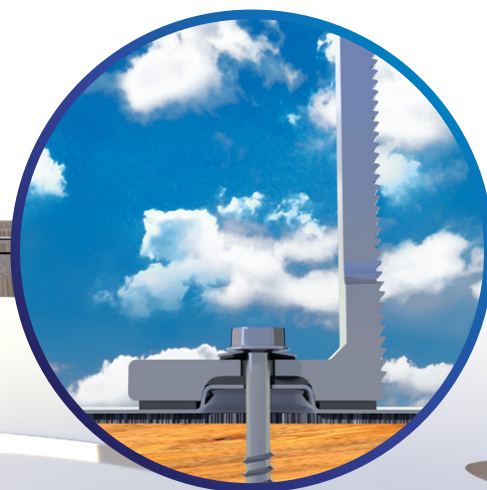
POWERFOOT™ FOR ASPHALT SHINGLE ROOFS

ATTACHMENT

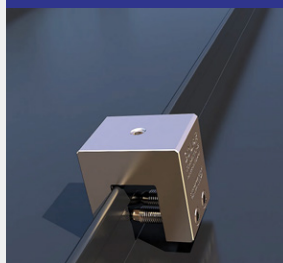
- 4" Lag Bolt
- EPDM Washer for Water Tight Seal

UNIVERSAL L-FOOT

- 1 Point of Attachment
- 6061 T6 Aluminum
- Premium EPDM Gasket for Water Tight Seal
- 2" Adjustability with L-Foot Slot
- Inverted cone feature with 2 layers of EPDM



ATTACHMENT SOLUTIONS FOR THE FOLLOWING ROOF TYPES



STANDING SEAM



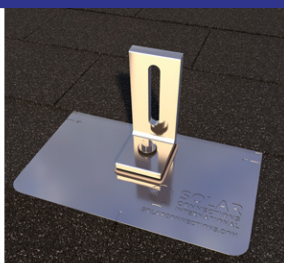
R-PANEL
RIB ATTACHMENT



R-PANEL
VALLEY ATTACHMENT



CORRUGATED



ASPHALT SHINGLE

RACKING OPTIONS

RAIL & RAIL-LESS

- **UNIVERSAL L-FOOT (RAILS)**

What's Included:

- L-Foot
- M8 Serrated Flange Bolt x 20MM



- **SOLAR CONNECTION KIT (RAIL-LESS)**



What's Included:

- PowerBolt (Mid/End Clamp)
- Threaded Anchor
- Cable Management Disc



* Please refer to our website for installation videos / instructions

- **L-FOOT COMPATIBILITY**

All Solar Connections Attachments are compatible with all of the other leading manufacturers L-Foot.

DISTRIBUTION PARTNERS:





SOLAR
CONNECTIONS
INTERNATIONAL
THE FUTURE OF SOLAR ATTACHMENTS™

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