



# 2022

PRODUCT GUIDE

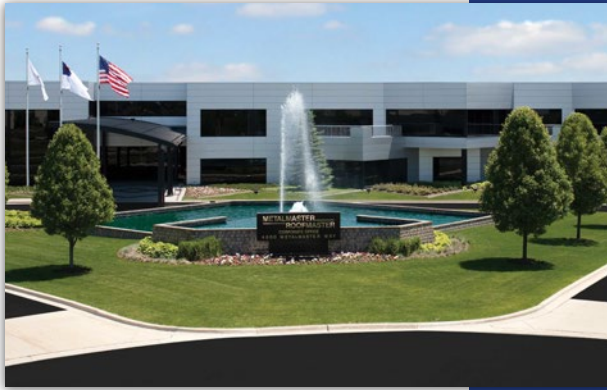


**SOLAR** CONNECTIONS  
INTERNATIONAL

THE FUTURE OF SOLAR ATTACHMENTS™

# 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

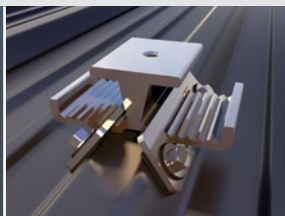
Founded in 2015, The SCI Research & Development Team is an innovative leader in the industry that carries over 20-years of metal roof attachment experience, delivering cutting-edge designs and high-quality products that revolutionize solar panel attachments, while integrating a low-cost and labor savings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

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

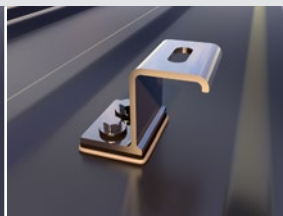
### ROOF TYPES



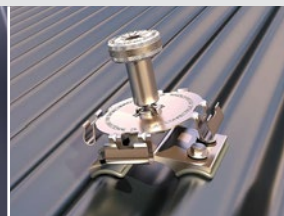
STANDING SEAM



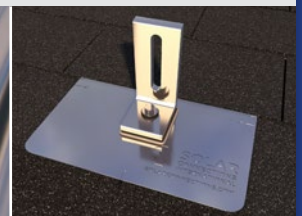
R-PANEL  
RIB ATTACHMENT



R-PANEL  
VALLEY ATTACHMENT



CORRUGATED



ASPHALT SHINGLE

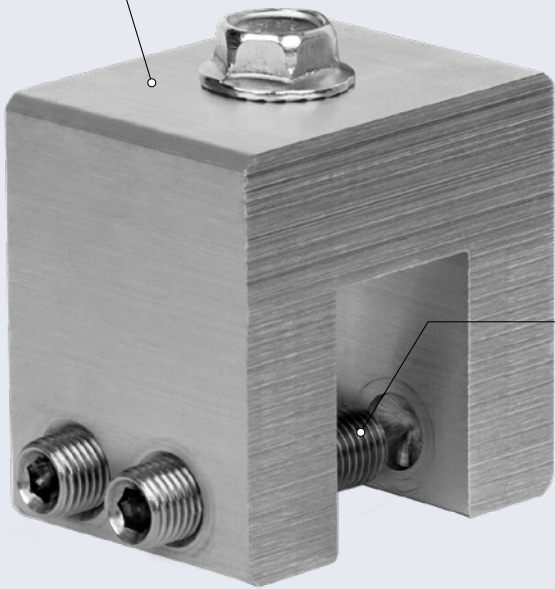
# STANDING SEAM



## POWER CLAMP FOR STANDING SEAM ROOFS

### STANDING SEAM POWER CLAMP

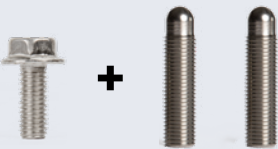
- Incredible Strength
- Cost effective
- Compatible with Universal L-Foot & Solar Connection Kit
- 6061-T6 Aluminum
- Available with 1, 2, or 3 Silver Bullet Set Screw Configuration



### 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












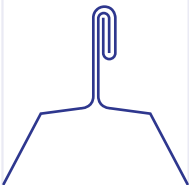





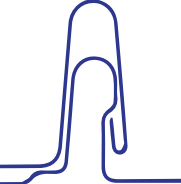


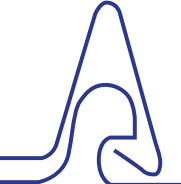
KLOC MINI

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<br>   | S-5-E          |    |   |   |  |  |
|                           |   | Silver Bullet 1.5\" data-bbox="258 286 298 336"/>  | S-5-H90        |   |  |  |   |   |
|                           |   |  | S-5-S          |   |  |  |   |   |
|                           |   |  | S-5-U          |   |  |  |   |   |
|                           |   |  | S-5-V          |   |  |  |   |   |
| MINI                      |    | M8 x 20mm Hex<br>   | S-5-E MINI     |   |  |  |   |   |
|                           |   | Silver Bullet 1.5\" data-bbox="258 433 298 493"/>  | S-5-S MINI     |   |  |  |   |   |
|                           |   |  | S-5-U MINI     |   |  |  |   |   |
|                           |   |  | S-5-V MINI     |   |  |  |   |   |
|                           |   |  |                |   |  |  |   |   |
| WIDE                      |  | M8 x 20mm Hex<br> | S-5-H          |  |  |  |   |   |
|                           |   |  | S-5-H MINI     |   |  |  |   |   |
|                           |   | Silver Bullet 1.5\" data-bbox="258 596 298 656"/>  | S-5-T          |   |  |  |   |   |
|                           |   |  | S-5-T MINI     |   |  |  |   |   |
|                           |   |  | S-5-Z          |   |  |  |   |   |
| KLOC                      |  | M8 x 20mm Hex<br> | S-5-N          |  |  |  |   |   |
|                           |   |  | S-5-N 1.5      |   |  |  |   |   |
|                           |   | Silver Bullet 1.0\" data-bbox="258 771 298 811"/>  | S-5-N 1.5 MINI |   |  |  |   |   |
|                           |   |  |                |   |  |  |   |   |
|                           |   |  |                |   |  |  |   |   |
| KLOC MINI                 |  | M8 x 20mm Hex<br> | S-5-N MINI     |  |  |  |   |   |
|                           |   |  |                |   |  |  |   |   |
|                           |   | Silver Bullet 1.0\" data-bbox="258 921 298 961"/>  |                |   |  |  |   |   |
|                           |   |  |                |   |  |  |   |   |
|                           |   |  |                |   |  |  |   |   |

# R-PANEL

## POWERMOUNT ADJUST FOR R-PANEL ROOFS



### FULLY ADJUSTABLE R-PANEL / TRAPEZOIDAL SOLUTION

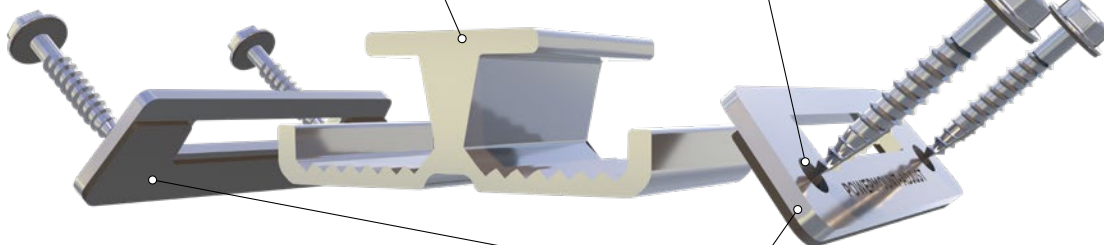
- Priced more aggressive than S-5! ProteaBracket and a EcoFasten Corruslide
- Overall better design and aesthetics
- Pre-applied EPDM gaskets for water tight seal
- 1 SKU (easy to stock)
- Packaged in quantities of 50
- Fits on ribbed panels ranging from .75" - 3.00"

#### 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



# VALLEY ATTACHMENTS



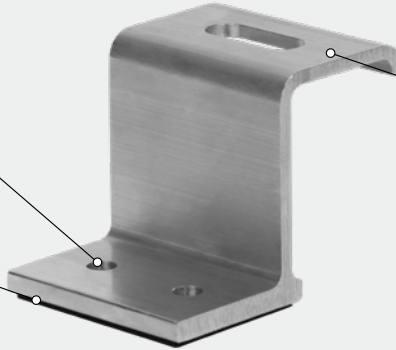
## Z-BRACKET FOR R-PANEL ROOFS

### ATTACHMENT

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

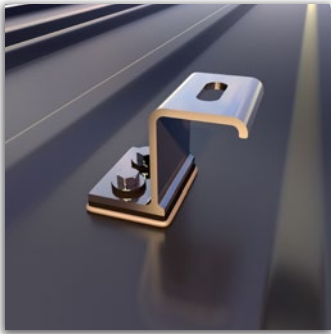
### EPDM SEAL

- Pre-Applied EPDM Gaskets
- Premium Water Tight Seal












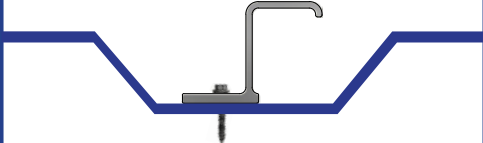
### Z-BRACKET

- 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<br>1-PIECE |  | 3" Stainless Steel #14 Self-Tapping Screws  | M8 Serrated 20mm Bolt  | <b>VALLEY ATTACHMENT</b><br> |
|                   |   |  |  |   |
| 9000<br>2-PIECE   |  | 3" Stainless Steel #14 Self-Tapping Screws  | Threaded Anchor and Nut  | <b>VALLEY ATTACHMENT</b><br> |
|                   |   |  |  |   |
| Z-BRACKET         |  | 3" Stainless Steel #14 Self-Tapping Screws<br><b>OPTIONAL</b>                       | 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



## POWERFOOT™ FOR ASPHALT SHINGLE ROOFS

### What's Included:

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

### ATTACHMENT

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

### UNIVERSAL L-FOOT

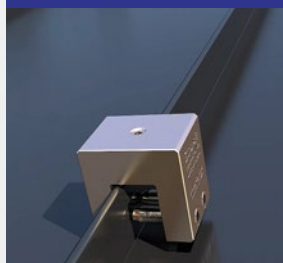
- 1 Point of Attachment
- 6061 T6 Aluminum
- Premium EPDM Gasket for Water Tight Seal
- 2" Adjustability with L-Foot Slot
- Inverted cone feature with 2 layers of EPDM

### POWERPLATE™

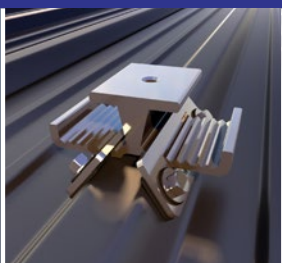
- 8" X 12" Flashing Plate
- .032 Mill Finish Aluminum
- Reference Marks for Easy Install
- Standard Mill Finish
- Black Coated Option Available
- Elevated Water Seal Design



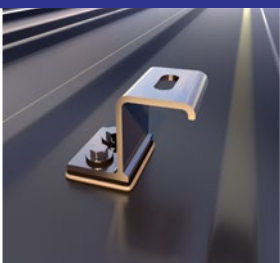
ATTACHMENT SOLUTIONS FOR THE FOLLOWING ROOF TYPES



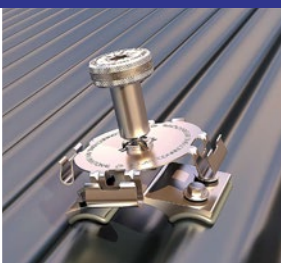
STANDING SEAM



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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