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Telecom Components

2026 Catalog



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We're the backbone of the wireless industry. Providing critical infrastructure and enhancing connectivity.



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Serving wireless carriers, contractors, and integrators for more than two decades, we are telecom's premier manufacturer and distributor of wireless site components.

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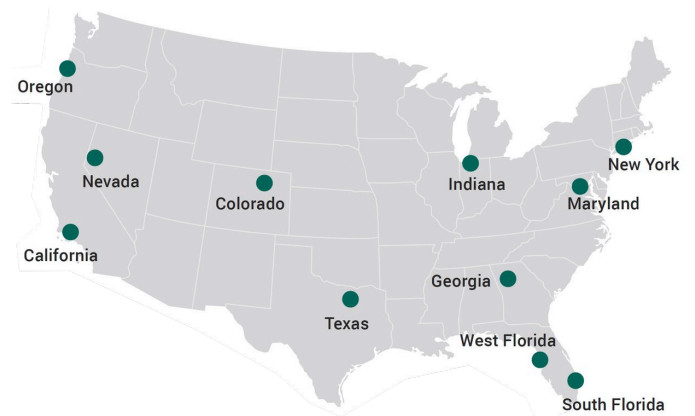
Everything we do is with our customers in mind, and providing an optimal experience is our top priority. Whether purchasing through our knowledgeable customer service team or our fast and secure website online, we guarantee that you will have a first-class experience.

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Site Pro 1 Locations

- | | | |
|---------------|----------------|----------------------|
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| Atlanta, GA | Jupiter, FL | Sparks, NV |
| Plymouth, IN | Tampa, FL | Elkridge, MD |
| Salem, OR | Aurora, CO | |

Valmont Telecom Locations

















- | | | |
|--------------|-------------|----------------------|
| Plymouth, IN | Valley, NE | Tucson, AZ |
| Salem, OR | Brenham, TX | Colorado Springs, CO |

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FORTRESS FLEXMAX

PLATFORM MOUNTS

Robust strength and
design ingenuity.

Dynamically conforms
to the pole's shape.



That's the reason we called it a Fortress.

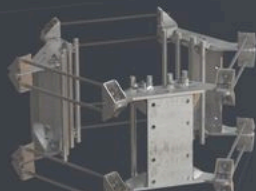
Like a fortress, our patent-pending design prioritizes not only strength but also safeguarding the integrity of the monopole structure itself. The new Fortress FlexMax™ is engineered to handle modern, heavy equipment loads. Now, with our included patent-pending FLX Series™ Ring Mounts, the collar dynamically conforms to the unique shape of the monopole, significantly reducing localized stress and minimizing damage.

Our new FLX Series™ Ring Mounts dynamically conform to the unique shape of a monopole. This innovative design evenly distributes loading, minimizes stress, and enhances overall structural integrity.

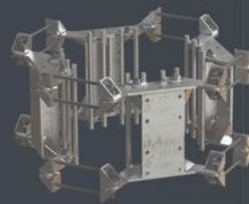
Built for today's modern heavy loads, the FLX Series™ Ring Mounts come standard on the new Fortress FlexMax™ Platform Mounts, available in both Tri-Sector and Quad-Sector editions. This cutting-edge design ensures long-term structural integrity, enhances technician safety, and simplifies installation and maintenance.



Tri-Sector Editions



Quad-Sector Editions



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1995

Microflect™ Acquisition

Valmont® acquires Microflect™ with tower manufacturing facility and warehouse in Oregon.

2001

PiRod™ Acquisition

Valmont® acquires PiRod™ with components manufacturing facility and warehouse in Indiana.

2008

Site Pro 1® Acquisition

Valmont® acquires Site Pro 1® with components warehouses in New York, Georgia, and California.

2011 - 2016

Site Pro 1® Expansion

Site Pro 1® expands its footprint with new components warehouses in Texas and Florida.

2018

Larson™ Acquisition

Valmont® acquires Larson™ Concealment, telecom's concealment leader.

2019

Connect-It™ Wireless Acquisition

Valmont® acquires Connect-It™ Wireless with components warehouse in Florida.

2021

Site Pro 1® Expansion

Site Pro 1® expands its footprint with new components warehouse in Colorado.

2022

Site Pro 1® Expansion

Site Pro 1® expands its footprint with new components warehouse in Nevada and Maryland.

2022

ConcealFab® Acquisition

Valmont® and Ericsson® acquire ConcealFab®, industry leader in the small cell space, bringing the PIM Shield® product line into the portfolio.

2023-2025

Site Pro 1® Digital Transformation

Site Pro 1® launches warehouse automation initiatives, eCommerce overhaul and operational improvements.

2025

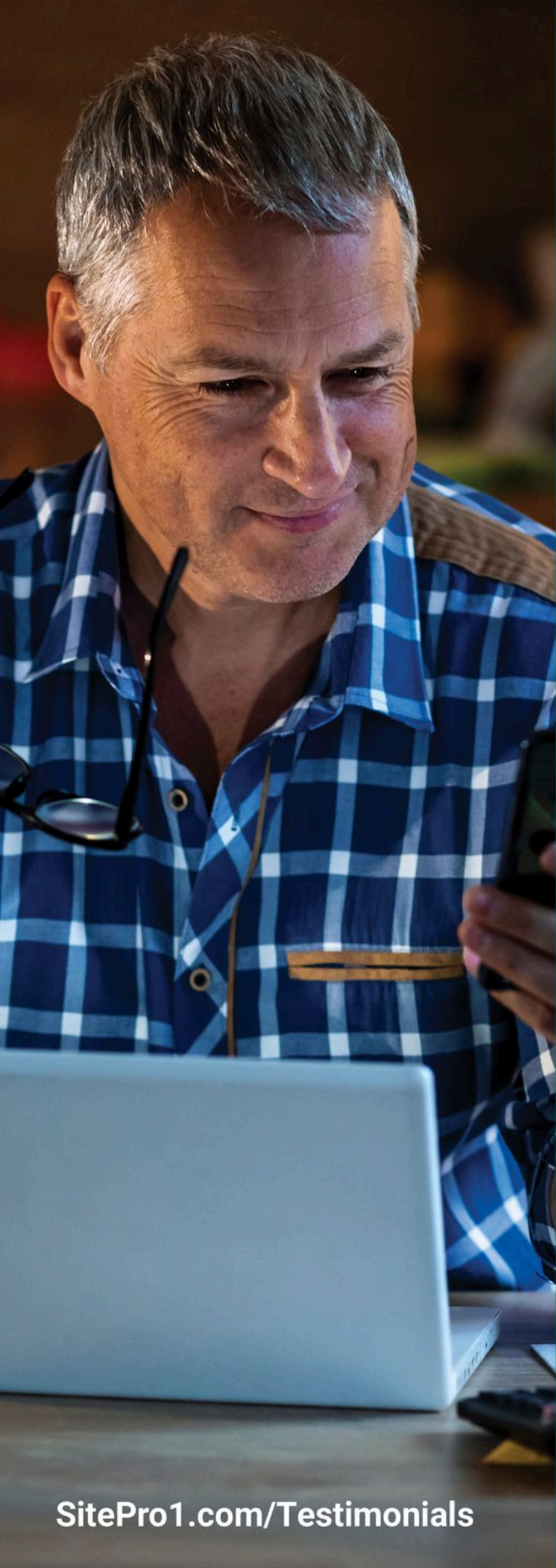
Site Pro 1® Maryland Expansion

Site Pro 1® launches warehouse automation initiatives, eCommerce overhaul and operational improvements.

2026

Valmont® Telecom Website Transformation

Valmont® Telecom launches new website with enhanced customer experience and quoting tools.



Testimonials

Site Pro 1 has the best website of any company in our industry. The layout and ease of searching for materials, drawings, and pricing is above and beyond all I have seen. It's simply the best.

Stuart P.

Customer from Virginia

My shopping experience with Site Pro 1 was significantly better than competitor sites. I chose Site Pro 1 because of the exceptional product selection and availability.

Becky M.

Customer from Indiana

We anticipate doubling or tripling our business with Site Pro 1. While others are trying to get our business no one gets it out like you do and no one is easier to deal with.

Ken

Customer from Nebraska

I choose Site Pro 1 because they provide an excellent order experience and quality products that are available immediately!

Michael S.

Customer from New York

Tower Sites



XD Series™ V-Frames

Our XD Series™ Extreme Duty V-frames are the strongest sector frames we've ever built, offering enhanced RF capabilities and featuring our innovative RRU QuickPlate™ pipe mount.

- Features BCAM™ Taper Adjustment System
- Features our Quick-Plate™ for easy grounding and addition of RRU mounting pipes or unistrut
- Improved 5'+ standoff, greater capacity, and lower wind resistance
- Includes hardware to mount 2-3/8" and 2-7/8" antenna mounting pipes (Pipes sold separately)
- Frames rotate for easy azimuth adjustment (+/- 60 degrees)
- Contact us for load and engineering data



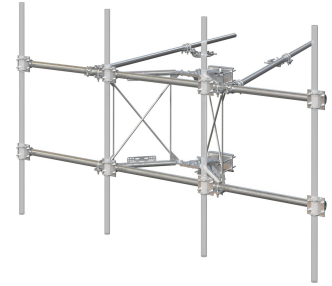
| Part # | Face Width | Antenna Pipe Hardware For | Stiff Arm Qty. | Mounts to Leg Sizes | Weight |
|-------------|------------|------------------------------|----------------|--|----------|
| VFA8-XDS | 9' | 3 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 656 lbs. |
| VFA8-XD | 9' | 3 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 750 lbs. |
| VFA10-XDS | 11' | 4 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 705 lbs. |
| VFA10-XD | 11' | 4 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 798 lbs. |
| VFA12-XDS | 13' | 4 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 729 lbs. |
| VFA12-XD | 13' | 4 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 823 lbs. |
| VFA14-XDS | 15' | 4 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 743 lbs. |
| VFA14-XD | 15' | 4 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 837 lbs. |
| VFA14-XD-5P | 15' | 5 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 855 lbs. |

| Part # | Description | Weight |
|--------------|---------------------------|----------|
| BCAM-HDLL | Large-Leg Adapter | 134 lbs. |
| BCAM-HDLL-AA | Large Angle-Leg Adapter | 131 lbs. |
| BCAM-HD6XT | 12° Taper Extension Plate | 90 lbs. |
| VPM-K | V-Frame Pipe Mount Kit | 21 lbs. |

HD Series™ V-Frames

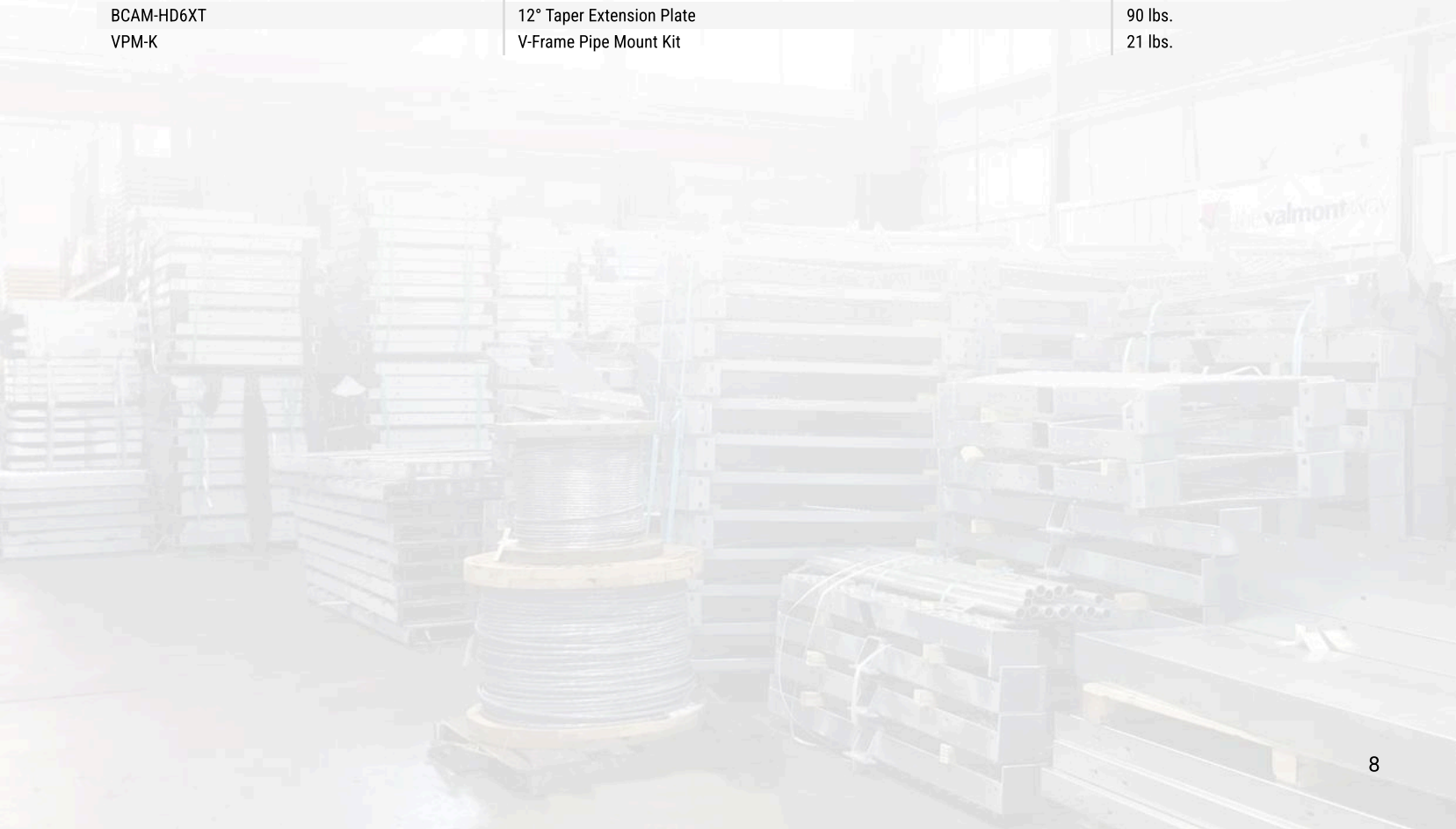
These HD Series™ Heavy Duty V-frames are available with one or two stiff arms and feature our innovative BCAM™ Taper Adjustment System.

- Features BCAM™ Taper Adjustment System
- Features our Quick-Plate™ for easy grounding and addition of RRU mounting pipes or unistrut
- Round-member face offers lower wind resistance
- Includes stiff arm(s)
- Includes hardware to mount 2-3/8" and 2-7/8" antenna mounting pipes (Pipes sold separately)
- Frames rotate for easy azimuth adjustment (+/- 60 degrees)
- Contact us for load and engineering data



| Part # | Face Width | Antenna Pipe Hardware For | Stiff Arm Qty. | Mounts to Leg Sizes | Weight |
|------------|------------|------------------------------|----------------|--|----------|
| VFA6-HD-S | 7' | 2 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 522 lbs. |
| VFA6-HD | 7' | 2 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 507 lbs. |
| VFA8-HD-S | 9' | 3 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 552 lbs. |
| VFA8-HD | 9' | 3 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 595 lbs. |
| VFA10-HD-S | 11' | 4 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 590 lbs. |
| VFA10-HD | 11' | 4 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 631 lbs. |
| VFA12-HD-S | 13' | 4 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 595 lbs. |
| VFA12-HD | 13' | 4 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 760 lbs. |
| VFA14-HD-S | 15' | 4 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 595 lbs. |
| VFA14-HD | 15' | 4 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 646 lbs. |

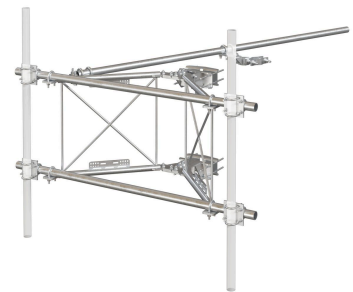
| Part # | Description | Weight |
|--------------|---------------------------|----------|
| BCAM-HDLL | Large-Leg Adapter | 134 lbs. |
| BCAM-HDLL-AA | Large Angle-Leg Adapter | 131 lbs. |
| BCAM-HD6XT | 12° Taper Extension Plate | 90 lbs. |
| VPM-K | V-Frame Pipe Mount Kit | 21 lbs. |



SD Series™ V-Frames

These SD Series™ Standard Duty V-frames are available with one or two stiff arms and feature our innovative BCAM™ Taper Adjustment System.

- Features BCAM™ Taper Adjustment System
- Features our Quick-Plate™ for easy grounding and addition of RRU mounting pipes or unistrut
- Round-member face offers lower wind resistance
- Includes stiff arm(s)
- Includes hardware to mount 2-3/8" antenna mounting pipes (Pipes sold separately)
- Frames rotate for easy azimuth adjustment (+/- 60 degrees)
- When ordering V-Frames for use with round chimney mounts or monopole direct frame connection kits add "-NLB" to the part number to get the frame without the leg bracket hardware
- Contact us for load and engineering data



| Part # | Face Width | Antenna Pipe Hardware For | Stiff Arm Qty. | Mounts to Leg Sizes | Weight |
|------------|------------|---------------------------|----------------|---|----------|
| VFA6-SD-S | 7' | 2 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 366 lbs. |
| VFA6-SD | 7' | 2 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 441 lbs. |
| VFA8-SD-S | 9' | 3 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 472 lbs. |
| VFA8-SD | 9' | 3 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 472 lbs. |
| VFA10-SD-S | 11' | 4 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 460 lbs. |
| VFA10-SD | 11' | 4 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 498 lbs. |
| VFA12-SD-S | 13' | 4 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 426 lbs. |
| VFA12-SD | 13' | 4 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 509 lbs. |
| VFA14-SD-S | 15' | 4 Pipes (Sold Separately) | 1 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 500 lbs. |
| VFA14-SD | 15' | 4 Pipes (Sold Separately) | 2 | 1-1/2" to 9-1/2" Round Legs and 3" to 6" Angles | 528 lbs. |

| Part # | Description | Weight |
|--------------|-------------------------------|----------|
| BCAM-SDLL | BCAM™ Large Round Leg Adapter | 114 lbs. |
| BCAM-SDLL-AA | BCAM™ Large Angle Leg Adapter | 115 lbs. |
| VPM-K | V-Frame Pipe Mount Kit | 21 lbs. |

V-Frame Pipe Mount Kit

This V-Frame interconnection pipe mount allows for the addition of multiple RRU locations on an XD, HD, or SD sector frame.

- Available in our PIM Shield® Product Guide
- Accepts 1.9" to 3.5" O.D. RRU pipes
- Drop-hole included for easy hardware access (SD V-Frames only)
- Kit includes top and bottom connections



| Part # | Description | RRU Pipe Qty. | Weight |
|--------|--|---------------|---------|
| VIC-PM | Allows for additional RRU locations | Up to 3 | 64 lbs. |
| VPM-K | Designed for XD Series™ and HD Series™ Sector Frames | 1 | 21 lbs. |



VIC-PM & VPM-K Shown

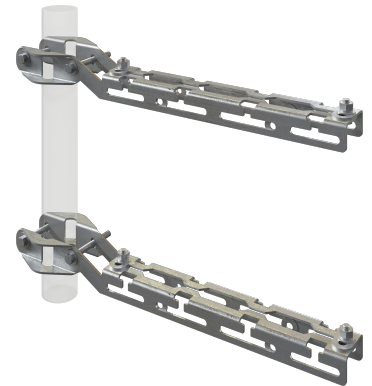
RRU Direct Attachment

This unique key-slot RRU mount allows for easy equipment installation.

- Available in our PIM Shield® Product Guide
- Attaches to 1.9" to 2.875" O.D. pipe
- Allows for portrait or bookshelf configurations
- 110mm x 110mm, 80mm x 110mm, 30mm x 110mm
- Contact us for load and engineering data



| Part # | Description | Weight |
|---------|---|--------|
| RRU-KEY | Works with numerous 8mm radio bolt patterns | 8 lbs. |



Full Universal RRU Mount

This universal RRU mount enables the mounting of up to two remote radio units (RRU's).

- Available in our PIM Shield® Product Guide
- Universal design mounts 2 RRU's up to 20" wide
- Adjustable width from 0" to 8-1/2"
- Universal mounting, round legs from 2-3/8" to 8", 60° angle legs from 2-1/2" to 8", and 90° angle legs from 2" to 6"
- Large-leg adapter kit available for up to 12-3/4" diameter or 3" to 8" angles
- Easy installation



| Part # | Description | Weight |
|---------|---------------------|---------|
| RRU-FU2 | Universal RRU Mount | 50 lbs. |

| Part # | Description | Weight |
|--------|--|---------|
| LLEG-K | Large Leg Adapter Kit for Tower Mounts | 74 lbs. |

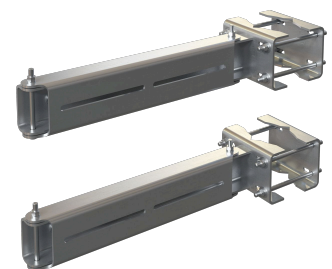


Dual RRU Swivel Mount Kit

These RRU dual swivel mounts enable the mounting of multiple RRU's.

- RRU's are kept close to the antenna and allow for easy maintenance and simple installations.
- Universal slotted mounting holes accommodate most RRU's.
- Hot-dip galvanized construction; all hardware included.

| Part # | Mounting Range | Weight |
|--------|--|---------|
| RRUDSM | Pipes up to 4-1/2"; Angles up to 3" x 3" | 41 lbs. |



Side-By-Side Antenna Mount

This mount is used to attach two antennas in a side-by-side configuration.

- Fits pipes 2-3/8" -4-1/2" OD
- Hot-dip galvanized

| Part # | Weight |
|-----------|---------|
| SBS1-1418 | 95 lbs. |



Universal Tapered Pipe Mount

These universal mounts adjust to fit pipe or angle legs and most common face tapers.

- 2-3/8" or 4-1/2" OD x 63" Pipe Mounts
- Easily adjust for taper up to 6° in 3/4° increments
- Universal mounting; round legs from 1" to 8", 60° angle legs from 1-1/2" to 8", and 90° angles 1-1/2" to 6"
- Large-Leg Adapter Kit available for round legs up to 12-3/4", 60° angle legs up to 12", and 90° angles up to 8-1/2"

| Part # | Pipe Size | Stand-Off | Weight |
|----------|--------------|-----------|----------|
| ADP238-U | 2-3/8" x 63" | 14" | 115 lbs. |
| ADP-U | 4-1/2" x 63" | 15-1/2" | 118 lbs. |

| Part # | Description | Weight |
|--------|---|---------|
| TAM-LL | Large Leg Adapter Kit for Tower Mounts & Reinforcement Kits | 39 lbs. |



Sliding Universal Tapered Pipe Mounts

These sliding brackets are used for even the most difficult tower attachments.

- Easily adjustable taper up to 6° in 3/4° increments
- Offers universal mounting; round legs from 1" to 8", 60° angle legs from 1-1/2" to 8", and 90° angles 1-1/2" to 6"
- Kits include U-Bolts and all hardware

| Part # | Pipe OD | Stand-Off | Weight |
|----------|-------------------|-----------|----------|
| TAM-2U | 2-3/8" and 2-7/8" | 1' | 85 lbs. |
| TAM-2U-L | 2-3/8" and 2-7/8" | 2' | 115 lbs. |
| TAM-3U | 3-1/2" and 4-1/2" | 1' | 100 lbs. |
| TAM-3U-L | 3-1/2" and 4-1/2" | 2' | 115 lbs. |

| Part # | Description | Weight |
|--------|---|---------|
| TAM-LL | Large Leg Adapter Kit for Tower Mounts & Reinforcement Kits | 39 lbs. |



Compact Tower Mounts

These antenna mounting pipes stand 14-1/8" off tower; antenna separation is 21-5/8".

- 0° - 30° down tilt adjustment
- Accept 2-3/8" OD, 2-7/8" OD, and 3-1/2" OD Antenna Mounting Pipes
- Purchase Antenna Mounting Pipes separately
- Each kit is one sector
- Contact us for load and engineering data



| Part # | Leg Size | Weight |
|----------|--|----------|
| CWT01 | Round legs 1-1/2" to 4-1/2" Angle legs up to 3" | 123 lbs. |
| CWT01-LL | Round legs 2-1/2" to 10-3/4" Equal angle legs 2" to 8" | 138 lbs. |
| CWT02 | Round legs 1-1/2" to 4-1/2" Angle legs up to 3" | 130 lbs. |
| CWT02-LL | Round legs 2-1/2" to 10-3/4" Equal angle legs 2" to 8" | 160 lbs. |
| CWT8 | Round legs 1-1/2" to 4-1/2" Angle legs up to 3" | 84 lbs. |
| CWT8-LL | Round legs 2-1/2" to 10-3/4" Equal angle legs 2"-8" | 100 lbs. |



R5 Standard-Duty Universal Pipe Mount Kit

These standard-duty sliding brackets are used for even the most difficult tower attachments.

- R5 and R5-LL include 4-1/2" x 72" Antenna Mounting Pipe; R5-UP version includes hardware for mounting 1-1/2" to 4-1/2" OD Antenna Mounting Pipes, but no Pipe
- Easily adjustable taper up to 5.7° (based on 30" spacing of brackets)
- Kits include U-Bolts and all hardware

| Part # | Pipe | Mounts to Leg Sizes | Weight |
|--------|---|--|----------|
| R5 | 4-1/2" x 72" | 1-1/2" to 4-1/2" O.D. | 145 lbs. |
| R5-LL | 4-1/2" x 72" | Tubular legs 5" to 14" and angle legs 3" to 8" | 220 lbs. |
| R5-UP | No Pipe Included; Accepts Antenna Mounting Pipes 1-1/2" to 4-1/2" | Tubular legs 1-1/2" to 4-1/2" | 80 lbs. |

| Part # | Description | Weight |
|--------|--------------------------------------|---------|
| PME2 | Pipe Mount Extension for Ice Shields | 37 lbs. |



R5-216 Heavy-Duty Universal Pipe Mount Kit

This sliding bracket is used for even the most difficult tower attachments.

- Includes 4-1/2" x 72" Mounting Pipe.
- Accepts 2-3/8" to 4-1/2" OD Antenna Mounting Pipes.
- 3-1/2" x 60" horizontal Pipe allows up to 48" of separation.
- Easily adjustable taper.
- Kit includes U-Bolts and all hardware.

| Part # | Pipe OD | Stand-Off | Mount Pipe | Weight |
|--------|------------------|-----------|--------------|----------|
| R5-216 | 1-1/2" to 4-1/2" | 18" | 4-1/2" x 72" | 235 lbs. |



R6 Heavy-Duty Universal Pipe Mount Kit

This heavy-duty universal pipe mount kit is used for difficult tower attachments.

- Heavy-duty sliding brackets for difficult tower attachments
- Includes 4-1/2" x 72" antenna mounting pipe
- Easy taper adjustment of up to 5.7° (based on 30" spacing of brackets)
- Fits round leg sizes 1-1/2" to 9-1/2" diameter and angle sizes 3" to 6"
- Large leg adapter kits available



| Part # | Pipe | Mounts to Leg Sizes | Weight |
|--------|--------------|--|----------|
| R6 | 4-1/2" x 72" | Tubular legs 4-3/4" to 10-3/4" and angle legs 3" to 8" | 263 lbs. |

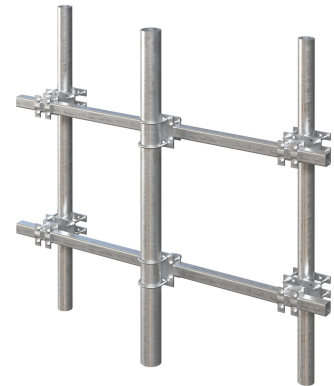
| Part # | Description | Weight |
|--------------|---------------------------|----------|
| BCAM-HDLL | Large-Leg Adapter | 134 lbs. |
| BCAM-HDLL-AA | Large Angle-Leg Adapter | 131 lbs. |
| BCAM-HD6XT | 12° Taper Extension Plate | 90 lbs. |



Universal Tubular-Arm Pipe Mounts

These universal tubular-arm pipe mounts allow transmission lines to run between the tower and mounting arms.

- For use on non-tapered tower sections
- Cross arms are 2-1/2" x 2-1/2" x 80", 3/16" (wall) square structural tubing
- 4-1/2" x 72" antenna mounting pipe included in TAP-472
- Hot-dip galvanized after fabrication
- Fit leg sizes 7/8" to 5"

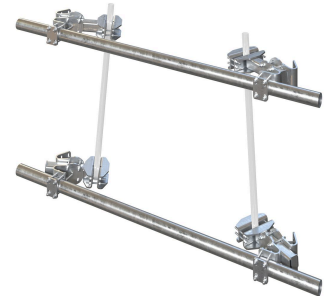


| Part # | Weight |
|---------|----------|
| TAP-472 | 240 lbs. |
| TAP-NP | 177 lbs. |
| TAP-PM | 32 lbs. |
| TAP-LM | 68 lbs. |

Universal Face Pipe Mount Assembly

These universal mounts are designed for even the most difficult face mount applications.

- Easily adjustable taper up to 8° (based on 60" spacing of brackets)
- Work with face pipes 2-7/8", 3-1/2", or 4-1/2" OD
- Attach to 1-1/2" to 9-1/2" round members or 3" to 6" angles
- Add FACE-LLEG for larger leg sizes (round legs 9-1/2" to 16" dia, 90° angle legs 6" to 11", or truss legs up to 12")
- Four FACE-LLEG required for FACE-ASY1
- Contact us for load and engineering data



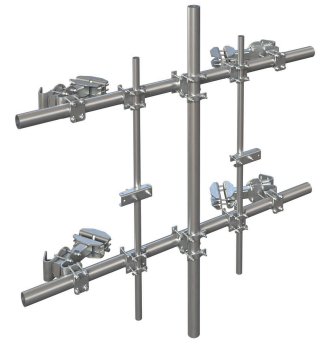
| Part # | Sectors | Face Pipes | Weight |
|-----------------|---------|------------------|-----------|
| FACE-ASY1-30126 | One | (2) 2-7/8" x 11' | 660 lbs. |
| FACE-ASY1-3126 | One | (2) 3-1/2" x 11' | 690 lbs. |
| FACE-ASY1-4126 | One | (2) 4-1/2" x 11' | 755 lbs. |
| FACE-ASY1-NP | One | None | 530 lbs. |
| FACE-ASY3-30126 | Three | (6) 2-7/8" x 11' | 1236 lbs. |
| FACE-ASY3-3126 | Three | (6) 3-1/2" x 11' | 1327 lbs. |
| FACE-ASY3-4126 | Three | (6) 4-1/2" x 11' | 1530 lbs. |
| FACE-ASY3-NP | Three | None | 850 lbs. |
| FACE-ASY4-30126 | Four | (8) 2-7/8" x 11' | 1651 lbs. |
| FACE-ASY4-3126 | Four | (8) 3-1/2" x 11' | 1772 lbs. |
| FACE-ASY4-4126 | Four | (8) 4-1/2" x 11' | 2043 lbs. |
| FACE-ASY4-NP | Four | None | 1134 lbs. |

| Part # | Description | Weight |
|------------|---------------------------------------|----------|
| FACE-LLEG | Large Leg Adapter Kit | 76 lbs. |
| FACE-PM | Pipe Mount Attachment Kit | 51 lbs. |
| FACE-PM496 | Pipe Mount Attachment Kit (With Pipe) | 146 lbs. |

10' Face Microwave Mount

These face microwave mounts are available with strut supports and a variety of face pipe lengths to fit virtually any tower.

- Attach to 1-1/2" to 9-1/2" round members or 3" to 6" angles
- Includes double strut supports
- Features FACE™ mount adjustability
- Hot-dip galvanized steel construction
- Add FACE-LLEG for larger leg sizes (round legs 9-1/2" to 16" dia, 90° angle legs 6" to 11", or truss legs up to 12")



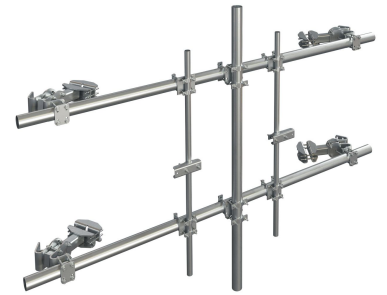
| Part # | Horizontal Pipe | # of Struts | Weight |
|------------|--------------------|-------------|-----------|
| FMW10-30DS | 2-7/8" O.D. x 132" | 2 | 1036 lbs. |
| FMW10-3DS | 3-1/2" O.D. x 132" | 2 | 1081 lbs. |
| FMW10-4DS | 4-1/2" O.D. x 132" | 2 | 1183 lbs. |
| FMW10-30SS | 2-7/8" O.D. x 132" | 1 | 961 lbs. |
| FMW10-3SS | 3-1/2" O.D. x 132" | 1 | 1006 lbs. |
| FMW10-4SS | 4-1/2" O.D. x 132" | 1 | 1108 lbs. |
| FMW10-30 | 2-7/8" O.D. x 132" | 0 | 822 lbs. |
| FMW10-3 | 3-1/2" O.D. x 132" | 0 | 852 lbs. |
| FMW10-4 | 4-1/2" O.D. x 132" | 0 | 919 lbs. |

| Part # | Description | Weight |
|------------|---------------------------------------|----------|
| FACE-LLEG | Large Leg Adapter Kit | 76 lbs. |
| FACE-PM | Pipe Mount Attachment Kit | 51 lbs. |
| FACE-PM496 | Pipe Mount Attachment Kit (With Pipe) | 146 lbs. |

14' Face Microwave Mount

These face microwave mounts are available with strut supports and a variety of face pipe lengths to fit virtually any tower.

- Attach to 1-1/2" to 9-1/2" round members or 3" to 6" angles
- Includes double strut supports
- Features FACE™ mount adjustability
- Hot-dip galvanized steel construction
- Add FACE-LLEG for larger leg sizes (round legs 9-1/2" to 16" dia, 90° angle legs 6" to 11", or truss legs up to 12")



| Part # | Horizontal Pipe | # of Struts | Weight |
|------------|--------------------|-------------|-----------|
| FMW14-30DS | 2-7/8" O.D. x 180" | 2 | 1095 lbs. |
| FMW14-3DS | 3-1/2" O.D. x 180" | 2 | 1172 lbs. |
| FMW14-4DS | 4-1/2" O.D. x 180" | 2 | 1313 lbs. |
| FMW14-30SS | 2-7/8" O.D. x 180" | 1 | 1020 lbs. |
| FMW14-3SS | 3-1/2" O.D. x 180" | 1 | 1097 lbs. |
| FMW14-30 | 2-7/8" O.D. x 180" | 0 | 861 lbs. |
| FMW14-3 | 3-1/2" O.D. x 180" | 0 | 912 lbs. |
| FMW14-4 | 4-1/2" O.D. x 180" | 0 | 1005 lbs. |

| Part # | Description | Weight |
|------------|---------------------------------------|----------|
| FACE-LLEG | Large Leg Adapter Kit | 76 lbs. |
| FACE-PM | Pipe Mount Attachment Kit | 51 lbs. |
| FACE-PM496 | Pipe Mount Attachment Kit (With Pipe) | 146 lbs. |

20' Face Microwave Mount

These face microwave mounts are available with strut supports and a variety of face pipe lengths to fit virtually any tower.

- Attach to 1-1/2" to 9-1/2" round members or 3" to 6" angles
- Includes double strut supports
- Features FACE™ mount adjustability
- Hot-dip galvanized steel construction
- Add FACE-LLEG for larger leg sizes (round legs 9-1/2" to 16" dia, 90° angle legs 6" to 11", or truss legs up to 12")



| Part # | Horizontal Pipe | # of Struts | Weight |
|------------|--------------------|-------------|-----------|
| FMW20-30DS | 2-7/8" O.D. x 252" | 2 | 1086 lbs. |
| FMW20-3DS | 3-1/2" O.D. x 252" | 2 | 1161 lbs. |
| FMW20-4DS | 4-1/2" O.D. x 252" | 2 | 1296 lbs. |
| FMW20-30SS | 2-7/8" O.D. x 252" | 1 | 1011 lbs. |
| FMW20-3SS | 3-1/2" O.D. x 252" | 1 | 1086 lbs. |
| FMW20-4SS | 4-1/2" O.D. x 252" | 1 | 1221 lbs. |
| FMW20-30 | 2-7/8" O.D. x 252" | 0 | 936 lbs. |
| FMW20-3 | 3-1/2" O.D. x 252" | 0 | 1011 lbs. |
| FMW20-4 | 4-1/2" O.D. x 252" | 0 | 1147 lbs. |

| Part # | Description | Weight |
|------------|---------------------------------------|----------|
| FACE-LLEG | Large Leg Adapter Kit | 76 lbs. |
| FACE-PM | Pipe Mount Attachment Kit | 51 lbs. |
| FACE-PM496 | Pipe Mount Attachment Kit (With Pipe) | 146 lbs. |

Microwave Strut Support

This universal microwave strut support comes with three attachment points for tiebacks.

- Attaches to 1.9" - 4.5" O.D. members
- Holes accept 5/8" dia. hardware
- Hot-dip galvanized steel construction



| Part # | Attachment | Weight |
|--------|------------------|---------|
| MSS-U | 1.9" - 4.5" O.D. | 12 lbs. |

2-3/8" Face Strut Pipe Kit

This universal face strut pipe kit allows additional tiebacks to be added.

- Attaches to 1.5" - 4.5" O.D. members
- Includes 2-3/8" O.D. x 96" pipe
- Strut support bracket accepts up to 5/8" dia. hardware
- Hot-dip galvanized steel construction



| Part # | Mount Pipe | Round Member Size | Weight |
|----------|-------------------|-------------------|---------|
| FSP296-K | 2-3/8" O.D. x 96" | 1.5" - 4.5" O.D. | 75 lbs. |

TOWER MOUNTS & STAND-OFF MOUNTS

Tower Face Support

These kits offer a versatile tieback solution for microwave dishes, making them the ideal choice for situations where the tieback length is insufficient.

- Attaches to round (1.75" - 14" O.D.), angle (2.5" - 10" : 90 deg. and 2.5" - 14" : 60 deg.), #12 PiROD™ truss (12" C-C), and tapered tower legs
- Includes 3-1/2" O.D. Pipe
- Strut support bracket accepts up to 5/8" dia. hardware
- Hot-dip galvanized steel construction
- Contact us for load and engineering data

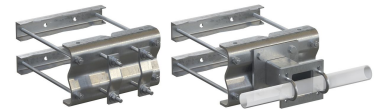


| Part # | Pipe | Weight |
|----------|--------------------|----------|
| TFS-3126 | 3-1/2" O.D. x 132" | 247 lbs. |
| TFS-3174 | 3-1/2" O.D. x 180" | 277 lbs. |
| TFS-3252 | 3-1/2" O.D. x 252" | 336 lbs. |
| TFS-NP | Order Separately | 152 lbs. |

Tower Leg Support

This universal tower leg support kit is ideal for creating a new vertical or horizontal connection.

- Attaches to round (1.75" - 14" O.D.), angle (2.5" - 10" : 90 deg. and 2.5" - 14" : 60 deg.), #12 PiROD™ truss (12" C-C), and tapered tower legs
- Includes clamp halves
- Flip channel brackets for angle legs
- Hot-dip galvanized steel construction
- 6" x 6" Bolt hole Pattern accepts MM01 , MM02, or MM03 stand-offs



| Part # | Pipe | Weight |
|--------|------------------|---------|
| TLS-U | Order Separately | 68 lbs. |

Panel Antenna Stand-Off Mounts

These versatile panel antenna mounts work on towers, monopoles, and buildings.

- Is a one-piece welded design
- Constructed from 2-3/8" or 2-7/8" OD Schedule 40 pipe
- Hot-dip galvanized
- Mounting hardware needs to be purchased separately



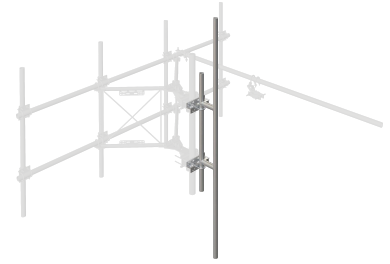
| Part # | Stand-Off | Antenna Pipe Size | Mounting Pipe Size | Pipe Diameter | Weight |
|---------|-----------|-------------------|--------------------|---------------|----------|
| PM1 | 1' | 120" | 60" | 2-3/8" OD | 60 lbs. |
| PM2 | 2' | 120" | 60" | 2-3/8" OD | 68 lbs. |
| PM1-278 | 1' | 120" | 60" | 2-7/8" OD | 100 lbs. |
| PM2-278 | 2' | 120" | 60" | 2-7/8" OD | 113 lbs. |

Inside Tower Stand-Off Mounts

This unique stand-off mount allows for radio units to be mounted inside the tower.

- Is a one-piece welded design
- Clamps to back of sector frame
- Hot-dip galvanized
- Mounting hardware included

| Part # | Stand-Off | Pipe Diameter | Antenna Pipe Size | Mounting Pipe Size | Weight |
|----------|-----------|---------------|-------------------|--------------------|---------|
| PIM-SOS1 | 1' | 2-7/8" OD | 120" | 60" | 95 lbs. |
| PIM-SOS2 | 2' | 2-7/8" OD | 120" | 60" | 95 lbs. |



Lightweight Stand-Off Mounts

These lightweight stand-off mount kits provide clearance from the tower leg.

- One piece welded design
- 1-1/2" (1.9" OD) schedule 40 pipe construction
- Hot-dip galvanized
- Fit pipe up to 4-1/2" OD, 60° angle up to 4-1/2", or 90° angle up to 3"

| Part # | Stand-Off | Mast Pipe | Weight |
|--------|-----------|-----------|---------|
| S2-K | 2' | 24" | 26 lbs. |
| S3-K | 3' | 24" | 30 lbs. |
| S4-K | 4' | 38" | 42 lbs. |



Bogner Mount

This Standard-Duty 6' side arm mount was designed to handle most Whip antennas.

- Features BCAM™ Taper Adjustment System
- Mounts to 1-1/2" - 9-1/2" round and 3" - 6" angle legs
- Large leg adapter kits available
- Mount pivots for easy azimuth adjustment
- Includes stiff arm
- 3-1/2 Sch 40 (4") OD x 52" vertical mast
- Rated for 500 lb live load
- HD version available upon request
- Contact us for load and engineering data



| Part # | Stand-Off Mast Size | Stiff-Arm Qty. | Weight |
|---------|---------------------|----------------|----------|
| BOG6-SD | 4" OD | 1 | 517 lbs. |

| Part # | Description | Weight |
|--------------|-------------------------------|----------|
| BCAM-SDLL | BCAM™ Large Round Leg Adapter | 114 lbs. |
| BCAM-SDLL-AA | BCAM™ Large Angle Leg Adapter | 115 lbs. |

STAND-OFF MOUNTS

Stand-Off Mounts (Universal Kit)

These universal stand-off mounts allow for clearance from the tower.

- Is a one-piece welded design
- Constructed from Schedule 40 pipe
- Standard versions mount to 1-1/2" - 4-1/2" OD members
- Large leg adapter kits available
- Mount is hot-dip galvanized
- Maximum taper adjustment is 3.8 degrees based upon 45" spacing of mounting brackets

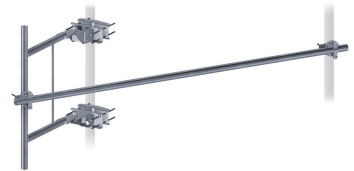


| Part # | Stand-Off | Mast Size | Stiff-Arm Qty. | Weight |
|--------|-----------|------------------|----------------|----------|
| HS4-K | 4' | 2-3/8" x 38" | 1 | 245 lbs. |
| HS6-K | 6' | 3-1/2" x 42-1/2" | 1 | 291 lbs. |
| HS4D-K | 4' | 2-3/8" x 38" | 2 | 362 lbs. |
| HS6D-K | 6' | 3-1/2" x 42-1/2" | 2 | 401 lbs. |

Stand-Off Pipe Mounts

These stand-off mount kits provide clearance from the tower leg.

- Features the BCAM™ Taper Adjustment System
- Round-member face offers lower wind resistance
- Mounts to 1-1/2" - 9-1/2" round and 3" - 6" angle legs; for larger members add the BCAM-SDLL kit
- Mounts rotate for easy azimuth adjustment
- Stiff arm included
- 2-3/8" x 50" vertical mast
- Rated for 250 lb live load

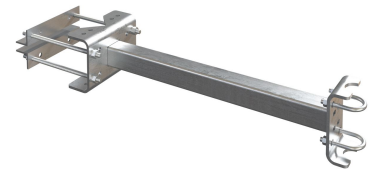


| Part # | Stand-Off | Stiff-Arm Qty. | Weight |
|--------|-----------|----------------|----------|
| PSA3 | 3' | 1 | 120 lbs. |
| PSA6 | 6' | 1 | 182 lbs. |
| PSAD3 | 3' | 2 | 296 lbs. |
| PSAD6 | 6' | 2 | 320 lbs. |

Universal Side-Arm Mount

This universal side-arm mount stands 3' off the tower.

- Mounts to round legs 1-3/4" - 8-5/8", angles 2-1/2" - 6"
- Accommodates leg slopes of 9:1 (6.3°), 12:1 (4.8°), 16:1 (3.6°), or vertical
- Kit includes u-bolts and all hardware.-
- Accepts 2-3/8" OD antenna mounting pipes



| Part # | Weight |
|--------|---------|
| USA3 | 61 lbs. |

Pipe V-Style Sector Frame Stabilizer Kits

These V-style sector frame stabilizer kits provide additional support to existing sector frames.

- Pipe bracing for reduced wind area
- Fits 2-3/8" or 2-7/8" OD crossarms
- Universal mounting; round legs from 1" - 8", 60° angle legs from 1-1/2" - 8", and 90° angles 1-1/2" - 6"
- Large-Leg Adapter Kit available for round legs up to 12-3/4", 60° angle legs up to 12", and 90° angle legs up to 8-1/2"
- Contact us for load and engineering data



| Part # | Stabilizer Direction | Stabilizer Material | Stand-Off Distance | Weight |
|----------|----------------------|---------------------|--------------------|----------|
| VSK-TH | Horizontal | Pipe | 24" to 36" | 98 lbs. |
| VSK-TH-L | Horizontal | Pipe | 36" to 48" | 120 lbs. |
| VSK-TV | Vertical | Pipe | 24" to 36" | 100 lbs. |
| VSK-TV-L | Vertical | Pipe | 36" to 48" | 118 lbs. |

| Part # | Description | Weight |
|--------|---|---------|
| TAM-LL | Large Leg Adapter Kit for Tower Mounts & Reinforcement Kits | 39 lbs. |

Pipe V-Style Sector Frame Reinforcement Kits

These universal V-style sector frame reinforcement kits provide extra capacity to existing sector frames for mounting RRU's.

- Provide both vertical and horizontal reinforcement
- Pipe bracing for reduced wind area
- Fits 2-3/8" or 2-7/8" OD crossarms
- Universal mounting; round legs from 1" - 8", 60° angle legs from 1-1/2" - 8", and 90° angle legs from 1-1/2" - 6"
- Large-leg adapter kit available for round legs up to 12-3/4", 60° angle legs up to 12", and 90° angle legs up to 8-1/2"
- Contact us for load and engineering data



| Part # | Stabilizer Direction | Stand-Off Distance | Weight |
|-----------|-------------------------|--------------------|----------|
| VSK-SFR | Horizontal and Vertical | 24" to 36" | 200 lbs. |
| VSK-SFR-L | Horizontal and Vertical | 36" to 48" | 236 lbs. |

| Part # | Description | Weight |
|--------|---|---------|
| TAM-LL | Large Leg Adapter Kit for Tower Mounts & Reinforcement Kits | 39 lbs. |

Angle Sector Frame Stabilizer Kits

These sector frame stabilizer kits add additional support to existing sector frames.

- Universal mounting; round legs from 1" - 8", 60° angle legs from 1-1/2" - 8", and 90° angles 1-1/2" - 6"
- Large-leg adapter kit available for round legs up the 12-3/4", 60° angle legs up to 12", and 90° angle legs up to 8-1/2"
- Contact us for load and engineering data



| Part # | Stabilizer Direction | Stabilizer Material | Stand-Off Distance | Weight |
|---------|----------------------|---------------------|--------------------|---------|
| SFS-H | Horizontal | Angle | 24" to 36" | 67 lbs. |
| SFS-H-L | Horizontal | Angle | 36" to 48" | 77 lbs. |
| SFS-V | Vertical | Angle | 24" to 36" | 66 lbs. |
| SFS-V-L | Vertical | Angle | 36" to 48" | 77 lbs. |

| Part # | Description | Weight |
|--------|---|---------|
| TAM-LL | Large Leg Adapter Kit for Tower Mounts & Reinforcement Kits | 39 lbs. |

Angle Sector Frame Reinforcement Kits

These universal sector frame reinforcement kits provide extra capacity to existing sector frames for mounting RRU's.

- Provide both vertical and horizontal reinforcement
- Large-Leg Adapter Kit available for round legs up the 12-3/4", 60° angle legs up to 12", and 90° angle legs up to 8-1/2"
- Contact us for load and engineering data



| Part # | Stabilizer Direction | Stand-Off Distance | Weight |
|---------|-------------------------|--------------------|----------|
| SFR-K | Horizontal and Vertical | 24" to 36" | 132 lbs. |
| SFR-K-L | Horizontal and Vertical | 36" to 48" | 153 lbs. |

| Part # | Description | Weight |
|--------|---|---------|
| TAM-LL | Large Leg Adapter Kit for Tower Mounts & Reinforcement Kits | 39 lbs. |

Tube Reinforcement Kit

This tower platform reinforcement kit provides extra capacity to tower platforms.

- Universal designs provide extra capacity to tower platforms or standoff arms
- Provide vertical reinforcement only
- Fit round legs 1-1/2" to 4-1/2" OD, 60° angle legs from 1-1/2" to 4-1/2", and 90° angle legs from 1-1/2" to 3"
- Fit round or square tube Stand-Off arms 1-1/2" to 5"
- Use PRK-FMA for tower platform reinforcement, PRK-FMA1 for standoff arm reinforcement



| Part # | Sectors | Horizontal Connection | Angle Size | Weight |
|----------|---------|-----------------------|----------------------------------|----------|
| PRK-FMA | 3 | 5" x 5" Max | 2L 2-1/2" x 2-1/2" x 3/16" x 84" | 330 lbs. |
| PRK-FMA1 | 1 | 5" x 5" Max | 2L 2-1/2" x 2-1/2" x 3/16" x 84" | 110 lbs. |

BCAM™ Series

This kit enables the easy attachment of a sector frame to a tower.

- Enables easy taper adjustment with one bolt.
- Adjustable from -2.5° - 6°

| Part # | Description | Weight |
|---------|--|----------|
| BCAM-HD | Attaches HD Series™ and SD Series™ V-Frames to Tower | 120 lbs. |
| BCAM-SD | Attaches HD Series™ and SD Series™ V-Frames to Tower | 69 lbs. |



BCAM™ Large Leg HD Adapter Kits

This kit enables the attachment of the BCAM™ taper adjustment system to larger angle legs.

- Attaches to 7" to 12" 90° angle legs or #12 breakdown legs.

| Part # | Description | Weight |
|--------------|--|----------|
| BCAM-HDLL | Attaches to #12 breakdown legs | 134 lbs. |
| BCAM-HDLL-AA | Attaches to 7" to 12" 90° angle legs or #12 breakdown legs | 131 lbs. |

| Part # | Description | Weight |
|-----------|-----------------------|---------|
| FACE-LLEG | Large Leg Adapter Kit | 76 lbs. |



BCAM™ Large Leg SD Adapter Kits

This kit enables the attachment of the BCAM™ taper adjustment system to larger legs.

- AA versions attach to 7" to 12" 90° angle legs or #12 breakdown legs
- Non-AA versions attach to #12 breakdown legs

| Part # | Attaches to | Weight |
|--------------|--|----------|
| BCAM-SDLL | #12 breakdown legs | 114 lbs. |
| BCAM-SDLL-AA | 7" to 12" 90° angle legs or #12 breakdown legs | 115 lbs. |



Universal Sliding Pipe Stiff Arm Assemblies

These sliding pipe tie-back assemblies are used to stabilize sector frames.

- Leg bracket fits round legs from 1-1/2" to 8-5/8" OD, 60° angle legs up to 8", and 90° angle legs up to 6"
- Universal sector frame attachment hardware fits 1-1/2" to 5" OD
- SPTB-U-NP is compatible with 2-3/8" or 2-7/8" pipe



| Part # | Outer Diameter (OD) | Length | Weight |
|-----------|---------------------|--------|----------|
| SPTB | 2-3/8" | 120" | 89 lbs. |
| SPTB278 | 2-7/8" | 120" | 113 lbs. |
| SPTB-U-NP | N/A | N/A | 53 lbs. |

Sector Frame Stiff Arm Kits

These light-duty sliding pipe tie-back assemblies are used to stabilize sector frames.

- Attachment kit for round or angle towers
- Leg bracket fits round legs from 1" to 6" OD, 60°, angle legs up to 6", and 90° angle legs up to 4".
- Sector frame attachment hardware fits 2-3/8" pipe.
- Contact us for load and engineering data

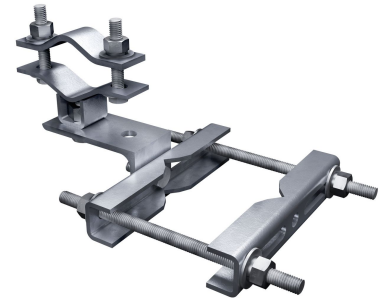


| Part # | Pipe | Weight |
|----------|------------------------------------|---------|
| STK-U | Light Duty 2-3/8" x 120" Stiff Arm | 56 lbs. |
| STK-U-NP | No Pipe Included | 16 lbs. |

Universal Stiff Arm Leg Attachment Kits

This versatile kit provides a stiff arm attachment point to a wide range of tower legs.

- Pivoting design for ease of installation in even the most difficult applications
- Attach to round or angle members
- All hardware included

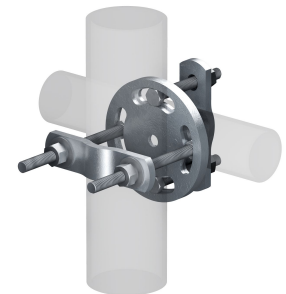


| Part # | Application | Stiff Arm Size | Weight |
|--------|--|----------------|--------|
| SAM-U | 1" to 6" Round, 1" to 6" 60° Angles, 1" to 4" 90° Angles | 2-3/8" OD | 8 lbs. |

Adjustable Clamp Plate Assembly

This clamp plate is adjustable to enable stiff arm attachment in difficult applications.

- Drop-forged design for increased strength and durability
- Hot-dip galvanized
- All hardware included
- Angle adjusts from 40° to 140°



| Part # | Application | Weight |
|--------|-------------------|--------|
| PUCK | 7/8" to 3-1/2" OD | 6 lbs. |

Large Leg Adapter Kit for Tower Mounts & Reinforcement Kits

This kit enables the attachment of tower mounts and reinforcement kits to larger legs.

- Attaches to round legs up to 12-3/4", 60° angle legs up to 12", and 90° angle legs up to 8-1/2".

| Part # | Weight |
|--------|---------|
| TAM-LL | 39 lbs. |



Large Leg Adapter Kit for Tower Mounts

This kit enables the attachment of tower mounts to large pipe and angle.

- Attaches to tubular legs 4-3/4" to 10-3/4" and angle legs 3" to 8".

| Part # | Weight |
|--------|---------|
| LLEG-K | 74 lbs. |



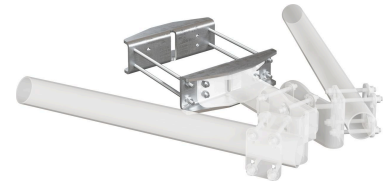
Large Leg Adapter FACE Kit

This large leg adapter kit works with FACE series mounts to accommodate large pipe and angle.

- Fits tubular legs 9-1/2" - 16" diameter, angle legs 6" - 11" and #12 breakdown legs



| Part # | Sectors | Face Pipes | Weight |
|-----------|---------|------------|---------|
| FACE-LLEG | Varies | None | 76 lbs. |



Pipe Mount Attachment Kit

This hardware kit is used to attach vertical antenna mounting pipes to horizontal face pipes.

- Fits pipes 1-1/2" - 4-1/2" OD



| Part # | Description | Weight |
|------------|---|----------|
| FACE-PM496 | Pipe Mount Attachment Kit for Face Mount (Includes 4-1/2" x 96" Pipe) | 146 lbs. |
| FACE-PM | Pipe Mount Attachment Kit for Face Mount | 51 lbs. |



Cable Attachment Points

These Cable attachment point kits come with shackles for a wire mesh grips

- Tab weldment designed for modern hybrid cable loading
- Shackles come in 1/4" or 3/8"
- Contact us for load and engineering data



| Part # | Weight |
|-----------|---------|
| CAP14-10K | 15 lbs. |
| CAP38-10K | 16 lbs. |

| Part # | Description | Weight |
|--------|---|----------|
| CSC-U | Universal Cable Support Clamp Kit | 109 lbs. |
| CSC-K | Universal Cable Support Clamp Kit (1 Bracket) | 54 lbs. |



Universal Cable Support Clamp Kit

This product provides a robust face mounting solution for cable support on self-supporting and guyed towers.

- Can be used as a tie-back point
- Pipe or angle sold separately
- 1,350 lbs. weight capacity with a 10' span



| Part # | Leg Size | Weight |
|---------------|-----------------------|----------|
| CSC-U | 2-3/8" - 8-5/8" Round | 109 lbs. |
| CSC-K | 2-3/8" - 8-5/8" Round | 54 lbs. |
| CSC-3010-MILS | 2-3/8" - 8-5/8" Round | 187 lbs. |

V-Clamp™ Series Tower Leg Hangers

These tower leg hanger brackets are used for cabling support and made from galvanized steel.

- Fits 1.9" to 4.5" Dia. Round Legs
- Fits 2" to 3.5" 90 deg. Angle Legs
- Accepts 1/4" Shackles (Included in some kits)
- 2,400 lb vertical factored dead load per tab



| Part # | # of Tabs | # of Shackles | Weight |
|----------|-----------|---------------|---------|
| CHB-DCP2 | 2 | 2 | 9 lbs. |
| CHB-DCP4 | 4 | 4 | 11 lbs. |

Wide V-Clamp™ Series Tower Leg Hangers

These tower leg hanger brackets are used for cabling support and made from galvanized steel.

- Fits 1.9" to 4.5" Dia. Round Legs
- Fits 2" to 3.5" 90 deg. Angle Legs
- Accepts 1/4" Shackles (Included in some kits)
- 2,400 lb vertical factored dead load per tab



| Part # | # of Tabs | # of Shackles | Weight |
|----------|-----------|---------------|---------|
| CHB-DVC2 | 2 | 2 | 18 lbs. |
| CHB-DVC4 | 4 | 4 | 20 lbs. |

Tower Leg Cable Support Brackets

These tower leg hanger brackets provide reliable cable support for large legs and are constructed from galvanized steel channel.

- Compatible with 2.375"-12" OD and PiRod Truss Leg #12BD
- Available with 2 or 4 shackles
- Load capacity of 4,000 lbs



| Part # | Shackles | Weight |
|---------|----------|---------|
| CHB-LL2 | 2 | 27 lbs. |
| CHB-LL4 | 4 | 31 lbs. |

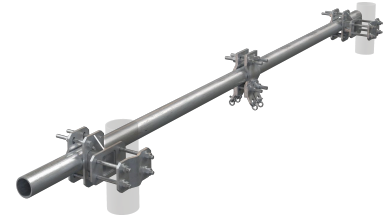
Guyed Tower Cable Face Support Kit

This product provides a robust face mounting solution for cable support on guyed towers.

- Can be used as a tie-back point
- Kit includes shackles
- Contact us for load and engineering data



| Part # | Leg Size | Weight |
|-----------------|--------------------------|----------|
| SOCX3-3010-MILS | 0.875" - 4.5" Round Legs | 113 lbs. |



Universal Tri-Sector Mount Kit

These universal tri-sector mount kits allow for the attachment of three panel antennas to a single pipe mast.

- Kit includes two brackets with hardware for attaching 2-3/8", 2-7/8", and 3-1/2" OD antenna mounting pipes (sold separately)
- Fits round members 2-7/8" to 6-5/8" OD

| Part # | Weight |
|--------|---------|
| UTSM | 48 lbs. |
| UTSM-L | 46 lbs. |



Double Antenna Clamp

The double antenna clamp allows two antennas to be supported by one pipe.

- Accepts mounting pipes 1-1/2" -3-1/2"
- Kit includes two clamp sets and hardware

| Part # | Qty. | Weight |
|--------|----------|---------|
| DAC | Kit of 2 | 25 lbs. |



Universal GPS Mount

Universal GPS Mount

- Mounts to 1-1/2" - 3-1/2" pipes.
- Includes 1.90" x 2' pipe.

| Part # | Pipe Size | Weight |
|--------|------------|---------|
| GPSP | 1.90" x 2' | 16 lbs. |

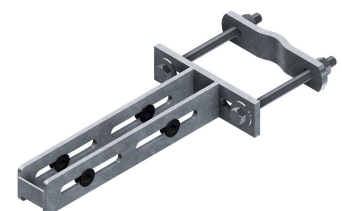


TMA Bracket

This TMA bracket is used for mounting tower mounted amplifiers.

- Available in our PIM Shield® Product Guide
- Includes universal mounting hardware for 2-3/8" to 4-1/2" OD legs
- Galvanized steel bracket with rubber grommets to avoid PIM issues with dissimilar metals

| Part # | Weight |
|----------|--------|
| PB-TMA-K | 7 lbs. |



Pipe Mount Extension for Ice Shields

This pipe mount extension for ice shields provides additional area for ice shield attachment.

- Extends a 4-1/2" OD antenna mounting pipe by 2'
- Allows installation of an antenna ice shield when the antenna's pipe mount is too short
- The extension slips inside the 4-1/2" OD sch. 40 pipe mount, and is secured by the ice shield's weight and stabilizing guy strands

| Part # | Weight |
|--------|---------|
| PME2 | 37 lbs. |



Mini Ice Shield

This mini ice shield is used to protect antennas and equipment from falling ice.

- Universal mounting design with all hardware included
- Mounts to 1-1/4" to 10" round legs or 3" to 7" angle legs
- Sloped design protects antennas and equipment from falling ice
- Low cost and ships inexpensively

| Part # | Size | Weight |
|--------|-----------|---------|
| MIS-24 | 24" x 24" | 70 lbs. |

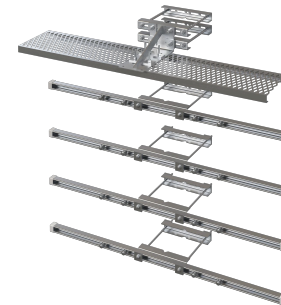


Integrated Tower Ice Shield

This compact design shields small equipment and includes unistrut mounting hardware.

- Leg connection from 1-1/4" - 3-1/2" or 3-1/2" - 9-5/8"
- Includes 12 gauge grip strut material
- Protect antennas from falling ice

| Part # | Shield Footprint | Weight |
|---------|------------------|----------|
| ICE-T | 5' x 1' | 155 lbs. |
| ICE-T24 | 5' x 2' | 211 lbs. |

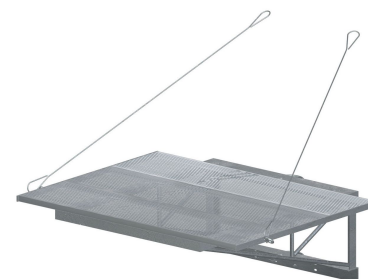


Microwave Ice Shields

These ice shields help prevent antenna damage from falling ice.

- Protect antennas from falling ice
- Mount to 4-1/2" pipe mount used for dish; 8' and 10' ice shields require separate 4-1/2" OD pipe mounts
- Kits include ice shield and mounting hardware, do not include pipe mount
- Other sizes available

| Part # | Antenna Diameter | Size | Weight |
|--------|------------------|------------|----------|
| ISMD4 | 4' | 48" x 62" | 325 lbs. |
| ISMD6 | 6' | 72" x 62" | 365 lbs. |
| ISMD8 | 8' | 96" x 62" | 445 lbs. |
| ISMD10 | 10' | 120" x 62" | 501 lbs. |



Curved Ice Shield

The curved design of these ice shields reduce impact loads from falling ice.

- Heavy-duty curved design helps shed snow and ice and minimizes antenna and ice shield damage from falling ice.
- Mount to top of 4-1/2" antenna mounting pipe or tower leg.
- Ice shields are stabilized with the included 200' of 3/8" diameter E.H.S. guy strand and seven 5/8" x 1' jaw-and-eye turnbuckles
- Other sizes available
- Stocked in Salem, OR



| Part # | Antenna Diameter | Weight |
|--------|------------------|-----------|
| CIS04 | 4' | 580 lbs. |
| CIS06 | 6' | 740 lbs. |
| CIS08 | 8' | 960 lbs. |
| CIS10 | 10' | 1120 lbs. |

Cable Ladders

These 20' cable ladder sections include six waveguide brackets that are pre-punched for snap-in hangers and butterfly hangers.

- 20' section with 40" rung spacing
- Hole pattern allows 40" (6 brackets per section) or 60" (4 brackets per section) spacing
- 1-3/4" x 1-3/4" x 1/8" side rails
- Each kit includes splices to attach additional sections
- All parts are hot-dip galvanized
- Attachment kits sold separately

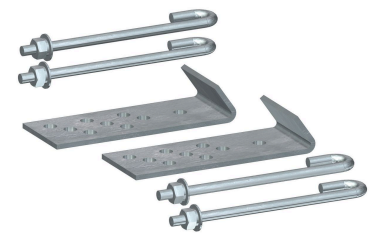


| Part # | Number of Runs | Length | Width | Weight |
|--------|----------------|--------|---------|----------|
| WCL4 | 4 | 20' | 14" | 110 lbs. |
| WCL6 | 6 | 20' | 20-5/8" | 119 lbs. |
| WCL9 | 9 | 20' | 29-5/8" | 80 lbs. |
| WCL12 | 12 | 20' | 38-5/8" | 130 lbs. |

Universal Ladder Attachment Kit

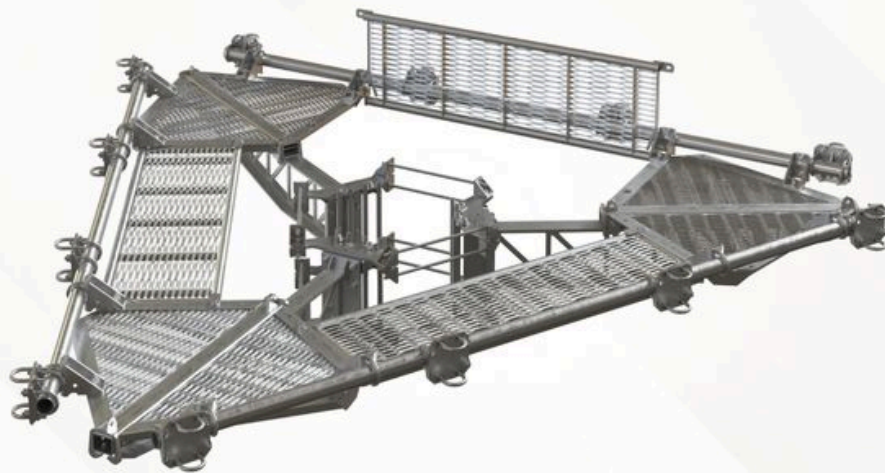
This attachment kit enables you to attach cable ladders to towers.

- Use a minimum of two kits per 20' section of ladder
- Kit includes two formed plate brackets and four J-bolt assemblies
- All parts are hot-dip galvanized



| Part # | Weight |
|--------|--------|
| CLK-U | 4 lbs. |

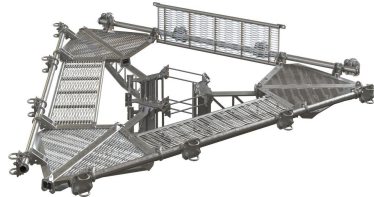
Monopole Sites



Fortress FlexMax™ Tri-Platform Mounts

With its unmatched strength and innovative engineering, the Fortress FlexMax™ stands as the most robust and technically advanced monopole platform we have ever built. Its patent-pending technology conforms to the unique shape of a polygonal monopole, significantly reducing localized stress and enhancing structural integrity.

- Unprecedented strength, uniquely designed to handle heavier, modern equipment loads with ease
- Reduces localized stress and pole damage for improved structural integrity with the included FLX Series™ Ring Mount
- Flush walkway and lack of sharp edges make this platform safer for technicians
- Eliminates the need for a second ring mount and reinforcement kit
- Hinged grating sections allow easy access to walkway
- Welded design requires minimal hardware; all hardware is 5/8" to further simplify assembly
- Kits include hardware to mount up to twelve 2-3/8" or 2-7/8" antenna mounting pipes
- Collar is constructed as a single weldment, offering higher D/t values for long-term reliability.
- Low EPA
- Contact us for load and engineering data



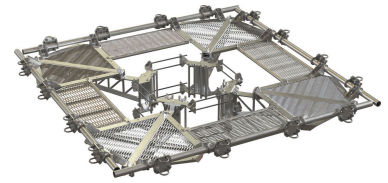
| Part # | Pole Diameter | Pole Circumference | Face Width | Weight |
|----------|---------------|--------------------|------------|-----------|
| FX3P-8W | 12" - 30" | 37.7" - 94.25" | 9' | 2031 lbs. |
| FX3P-10W | 12" - 36" | 37.7" - 113.0" | 11' | 2031 lbs. |
| FX3P-12W | 12" - 44" | 37.7" - 138.0" | 13' | 2212 lbs. |
| FX3P-14W | 12" - 44" | 37.7" - 138.0" | 15' | 2421 lbs. |

| Part # | Description | Weight |
|-----------|--|----------|
| CRK-DC3 | Cable Platform Reinforcement Kit (12" - 45" Pole Diameter) | 350 lbs. |
| FLX-ADK | FLX Series™ Large Pole Adapter Kit | 96 lbs. |
| F3P-PRK | Tri-Platform Angle Reinforcement Kit | 470 lbs. |
| F3P-HRK8 | Support Rail Kit for Fortress™ Tri-Platform Mounts | 374 lbs. |
| F3P-HRK10 | Support Rail Kit for Fortress™ Tri-Platform Mounts | 391 lbs. |
| F3P-HRK12 | Support Rail Kit for Fortress™ Tri-Platform Mounts | 405 lbs. |
| F3P-HRK14 | Support Rail Kit for Fortress™ Tri-Platform Mounts | 415 lbs. |
| FP-BBPM | Fortress™ Side Arm RRU Mounting Kit | 31 lbs. |

Fortress FlexMax™ Quad-Platform Mounts

With its unmatched strength and innovative engineering, the Fortress FlexMax™ stands as the most robust and technically advanced monopole platform we have ever built. Its patent-pending technology conforms to the unique shape of a polygonal monopole, significantly reducing localized stress and enhancing structural integrity.

- Unprecedented strength, uniquely designed to handle heavier, modern equipment loads with ease
- Reduces localized stress and pole damage for improved structural integrity with the included FLX Series™ Ring Mount
- Flush walkway and lack of sharp edges make this platform safer for technicians
- Eliminates the need for a second ring mount and reinforcement kit
- Hinged grating sections allow easy access to walkway
- Welded design requires minimal hardware; all hardware is 5/8" to further simplify assembly
- Kits include hardware to mount up to twelve 2-3/8" or 2-7/8" antenna mounting pipes
- Collar is constructed as a single weldment, offering higher D/t values for long-term reliability.
- Low EPA
- Contact us for load and engineering data



| Part # | Pole Diameter | Pole Circumference | Face Width | Weight |
|----------|---------------|--------------------|------------|-----------|
| FX4P-8W | 12" - 30" | 37.7" - 94.25" | 9' | 2708 lbs. |
| FX4P-10W | 12" - 51" | 37.7" - 160.0" | 11' | 2708 lbs. |
| FX4P-12W | 12" - 65" | 37.7" - 204.0" | 13' | 2950 lbs. |
| FX4P-14W | 12" - 44" | 37.7" - 138.0" | 15' | 3228 lbs. |

| Part # | Description | Weight |
|-----------|--|----------|
| CRK-DC4 | Cable Platform Reinforcement Kit (12" - 60" Pole Diameter) | 409 lbs. |
| F4P-PRK | Quad-Platform Angle Reinforcement Kit | 633 lbs. |
| F4P-HRK8 | Support Rail Kit for Fortress™ Quad-Platform Mounts | 464 lbs. |
| F4P-HRK10 | Support Rail Kit for Fortress™ Quad-Platform Mounts | 480 lbs. |
| F4P-HRK12 | Support Rail Kit for Fortress™ Quad-Platform Mounts | 507 lbs. |
| F4P-HRK14 | Support Rail Kit for Fortress™ Quad-Platform Mounts | 550 lbs. |
| FP-BBPM | Fortress™ Side Arm RRU Mounting Kit | 31 lbs. |

Fortress™ Side Arm RRU Mounting Kit

This kit provides a simple way to add RRU's to a monopole Fortress™ standoff arm.

- Provide back-to-back pipes, useful for RRU mounting
- Uses clamp halves for universal pipe sizes
- Accepts mast pipe sizes 1.9" - 3.5" OD
- Order mounting pipes separately



| Part # | Description | Weight |
|---------|-------------------------------------|---------|
| FP-BBPM | Fortress™ Side Arm RRU Mounting Kit | 31 lbs. |

Platform RRU Mounting Kit

This kit provides additional mounting area for RRU's on Fortress™ monopole platforms.

- Attach to Fortress™ truss arms or square tube arms up to 4"
- 2-7/8" OD pipe mast

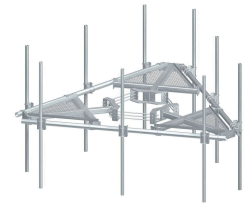
| Part # | Description | Weight |
|----------|-----------------------|---------|
| SAMAST-3 | 3' Platform RRU Mount | 29 lbs. |
| SAMAST-6 | 6' Platform RRU Mount | 45 lbs. |



Low-Profile Platforms (9 Antennas)

This low-profile platform kit will work with a 12" - 38" diameter pole.

- Includes ring mount, three support arms, grating, and all hardware
- NP versions do not include hardware for antenna mounting pipes
- Contact us for load and engineering data



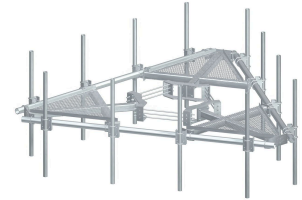
| Part # | Antennas | Pole Diameter | Pole Circumference | Face Width | Mounting Pipes | Weight |
|------------|----------|---------------|--------------------|------------|-------------------|-----------|
| RMQP-396 | 9 | 12" - 38" | 37.7" - 119.3" | 13' | (9) 2-3/8" x 96" | 1670 lbs. |
| RMQP-3126 | 9 | 12" - 38" | 37.7" - 119.3" | 13' | (9) 2-3/8" x 120" | 1750 lbs. |
| RMQLP-396 | 9 | 12" - 38" | 37.7" - 119.3" | 15' | (9) 2-3/8" x 96" | 1765 lbs. |
| RMQLP-3126 | 9 | 12" - 38" | 37.7" - 119.3" | 15' | (9) 2-3/8" x 120" | 1985 lbs. |
| RMVP-396 | 9 | 30" - 60" | 94.2" - 188.4" | 15' | (9) 2-3/8" x 96" | 2540 lbs. |
| RMVP-3126 | 9 | 30" - 60" | 94.2" - 188.4" | 15' | (9) 2-3/8" x 120" | 1830 lbs. |

| Part # | Description | Weight |
|---------|---|----------|
| HRK12 | Universal Platform Support Rail Kit | 228 lbs. |
| HRK14 | Universal Platform Support Rail Kit | 268 lbs. |
| HRK12-U | Support Rail Kit for Low-Profile Co-Location Platform | 303 lbs. |
| HRK14-U | Support Rail Kit for Low-Profile Co-Location Platform | 333 lbs. |

Low-Profile Platforms (12 Antennas)

This low-profile platform kit will work with a 12" - 38" diameter pole.

- Includes ring mount, three support arms, grating, and all hardware
- NP versions do not include hardware for antenna mounting pipes
- Contact us for load and engineering data



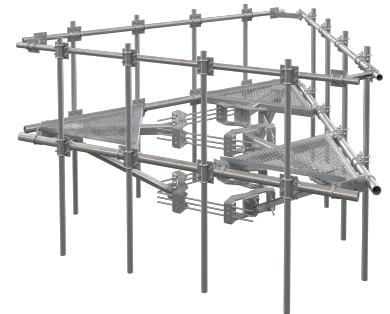
| Part # | Antennas | Pole Diameter | Pole Circumference | Face Width | Mounting Pipes | Weight |
|------------|----------|---------------|--------------------|------------|--------------------|-----------|
| RMQP-496 | 12 | 12" - 38" | 37.7" - 119.3" | 13' | (12) 2-3/8" x 96" | 1900 lbs. |
| RMQP-4126 | 12 | 12" - 38" | 37.7" - 119.3" | 13' | (12) 2-3/8" x 120" | 1980 lbs. |
| RMQLP-496 | 12 | 12" - 38" | 37.7" - 119.3" | 15' | (12) 2-3/8" x 96" | 1905 lbs. |
| RMQLP-4126 | 12 | 12" - 38" | 37.7" - 119.3" | 15' | (12) 2-3/8" x 120" | 1985 lbs. |
| RMVP-496 | 12 | 30" - 60" | 94.2" - 188.4" | 15' | (12) 2-3/8" x 96" | 2675 lbs. |
| RMVP-4126 | 12 | 30" - 60" | 94.2" - 188.4" | 15' | (12) 2-3/8" x 120" | 1990 lbs. |

| Part # | Description | Weight |
|---------|---|----------|
| HRK12 | Universal Platform Support Rail Kit | 228 lbs. |
| HRK14 | Universal Platform Support Rail Kit | 268 lbs. |
| HRK12-U | Support Rail Kit for Low-Profile Co-Location Platform | 303 lbs. |
| HRK14-U | Support Rail Kit for Low-Profile Co-Location Platform | 333 lbs. |

Low-Profile Platforms w/ Kickers (12 Antennas)

Low-profile platform kit for 12" - 38" diameter poles, supports multiple RRU's plus twelve antennas.

- Second ring mount below adds additional support
- Integral handrails provide added strength, easy antenna/RRU mounting and added worker safety
- Complete kit includes two ring mounts, three support arms, one platform reinforcement kit, handrail kit, grating, antenna mounting pipes and all hardware
- Contact us for load and engineering data

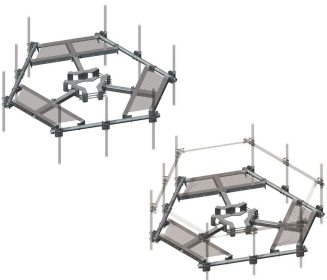


| Part # | Pole Diameter | Pole Circumference | Face Width | Mounting Pipes | Weight |
|---------------|---------------|--------------------|------------|--------------------|-----------|
| RMQP-496-HK | 12" - 38" | 37.7" - 119.3" | 13' | (12) 2-3/8" x 96" | 2449 lbs. |
| RMQP-4096-HK | 12" - 38" | 37.7" - 119.3" | 13' | (12) 2-7/8" x 96" | 2650 lbs. |
| RMQP-4126-HK | 12" - 38" | 37.7" - 119.3" | 13' | (12) 2-3/8" x 120" | 2700 lbs. |
| RMQLP-496-HK | 12" - 38" | 37.7" - 119.3" | 15' | (12) 2-3/8" x 96" | 2448 lbs. |
| RMQLP-4096-HK | 12" - 38" | 37.7" - 119.3" | 15' | (12) 2-7/8" x 96" | 2810 lbs. |
| RMQLP-4126-HK | 12" - 38" | 37.7" - 119.3" | 15' | (12) 2-3/8" x 120" | 2600 lbs. |
| RMVP-496-HK | 30" - 60" | 94.2" - 188.4" | 15' | (12) 2-3/8" x 96" | 2517 lbs. |
| RMVP-4096-HK | 30" - 60" | 94.2" - 188.4" | 15' | (12) 2-7/8" x 96" | 2780 lbs. |
| RMVP-4126-HK | 30" - 60" | 94.2" - 188.4" | 15' | (12) 2-3/8" x 120" | 2700 lbs. |

Magnum™ Snub-Nose Platform Kit

This robust low-profile platform kit is designed to work with a 12" - 45" diameter pole.

- Our low-profile design offers a lower EPA for reduced loads on the tower
- Supports live loads of 500 lb
- Support Rail kit option provides added strength and easy antenna and RRU mounting as well as worker safety
- Simple design for ease of assembly
- Complete kits include ring mount, three support arms, grating, antenna mounting pipes and all hardware
- Contact us for load and engineering data

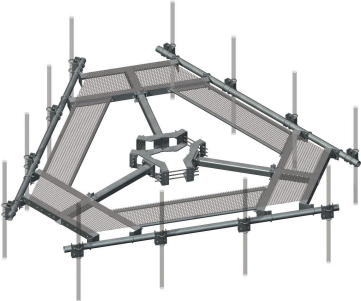


| Part # | Pole Diameter | Pole Circumference | Face Width | Mounting Pipes | Weight |
|------------|---------------|--------------------|------------|--------------------|-----------|
| SNP8-396 | 12" - 45" | 37.7" - 141.3" | 9' | (9) 2-3/8" x 96" | 1463 lbs. |
| SNP8-3126 | 12" - 45" | 37.7" - 141.3" | 9' | (9) 2-3/8" x 126" | 1585 lbs. |
| SNP10-396 | 12" - 45" | 37.7" - 141.3" | 11' | (9) 2-3/8" x 96" | 1515 lbs. |
| SNP10-3126 | 12" - 45" | 37.7" - 141.3" | 11' | (9) 2-3/8" x 120" | 1605 lbs. |
| SNP10-496 | 12" - 45" | 37.7" - 141.3" | 11' | (12) 2-3/8" x 96" | 1645 lbs. |
| SNP10-4126 | 12" - 45" | 37.7" - 141.3" | 11' | (12) 2-3/8" x 120" | 1765 lbs. |

Magnum™ Full Walkway Snub-Nose Platform Kit

This robust low-profile platform kit is designed to work with a 12" - 45" diameter pole.

- Our low-profile design offers a lower EPA for reduced loads on the tower
- Supports live loads of 500 lb
- Support Rail kit option provides added strength and easy antenna and RRU mounting as well as worker safety
- Simple design for ease of assembly
- Complete kits include ring mount, three support arms, grating, antenna mounting pipes and all hardware
- Contact us for load and engineering data



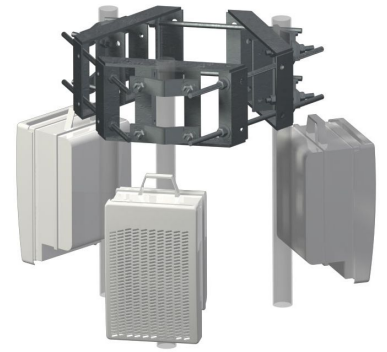
| Part # | Pole Diameter | Pole Circumference | Face Width | Mounting Pipes | Weight |
|------------|---------------|--------------------|------------|--------------------|-----------|
| SNP12-396 | 12" - 45" | 37.7" - 141.3" | 13' | (9) 2-3/8" x 96" | 1898 lbs. |
| SNP12-3126 | 12" - 45" | 37.7" - 141.3" | 13' | (9) 2-3/8" x 120" | 1988 lbs. |
| SNP12-496 | 12" - 45" | 37.7" - 141.3" | 13' | (12) 2-3/8" x 96" | 2027 lbs. |
| SNP12-4126 | 12" - 45" | 37.7" - 141.3" | 13' | (12) 2-3/8" x 120" | 2147 lbs. |
| SNP14-396 | 12" - 45" | 37.7" - 141.3" | 15' | (9) 2-3/8" x 96" | 1943 lbs. |
| SNP14-3126 | 12" - 45" | 37.7" - 141.3" | 15' | (9) 2-3/8" x 120" | 2033 lbs. |
| SNP14-496 | 12" - 45" | 37.7" - 141.3" | 15' | (12) 2-3/8" x 96" | 1943 lbs. |
| SNP14-4126 | 12" - 45" | 37.7" - 141.3" | 15' | (12) 2-3/8" x 120" | 2155 lbs. |

MONOPOLE MOUNTS

RRU Ring Mount Kit

This kit enables the mounting of up to 6 RRU's.

- Available in our PIM Shield® Product Guide
- Low profile design reduces wind load
- Accepts 1-1/2" to 4-1/2" mounting pipes



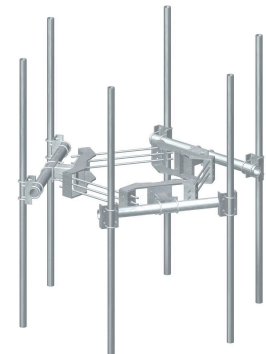
| Part # | Size Range | Weight |
|----------|---------------|----------|
| UGLM-DCP | 10-1/2" - 28" | 113 lbs. |

| Part # | Description | Weight |
|--------|--|---------|
| LP-42 | Large-Pole Adapter Kit for Lightweight Ring Mounts | 90 lbs. |
| LP-6 | Small-Pole Adapter Kit for Lightweight Ring Mounts | 34 lbs. |

Tri-Sector T-Arm Kit for 6 Antennas (8" Standoff)

This 3-sector T-arm kit enables the mounting of up to 2 antennas per sector.

- Includes ring mount, support arms, horizontal crossarms, antenna mounting pipes and hardware
- Antenna mounting pipes stand 18" off tower
- Contact us for load and engineering data



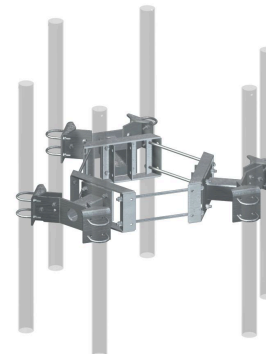
| Part # | Pole Diameter | Face | Mounting Pipes | Weight |
|-----------|---------------|----------------|-------------------|-----------|
| RDS-NP | 12" - 45" | 5' Pipe | None | 530 lbs. |
| RDS-296 | 12" - 45" | 5' Pipe | (6) 2-3/8" x 96" | 705 lbs. |
| RDS-2126 | 12" - 45" | 5' Pipe | (6) 2-3/8" x 120" | 755 lbs. |
| RDS-23096 | 12" - 45" | 5' Pipe | (6) 2-7/8" x 96" | 1100 lbs. |
| RDS-SQNP | 12" - 45" | 5' Square Tube | None | 520 lbs. |

| Part # | Description | Weight |
|--------|---|----------|
| RM-ADK | Large-Pole Adapter Kit (45" to 60" Pole Diameter) | 102 lbs. |

Compact Mount Kit

This 3-sector T-arm kit enables the mounting of up to 2 antennas per sector.

- Antenna mounting pipes stand 14-1/2" off pole
- Antenna separation is 21-5/8"
- 0° - 30° down-tilt adjustment
- Accepts 2-3/8" OD, 2-7/8" OD, and 3-1/2" OD antenna mounting pipes
- Purchase antenna mounting pipes separately



| Part # | Pole Diameter | Weight |
|---------|---------------|----------|
| UWS6-NP | 10-1/2" - 28" | 320 lbs. |

| Part # | Description | Weight |
|--------|--|---------|
| LP-42 | Large-Pole Adapter Kit for Lightweight Ring Mounts | 90 lbs. |
| LP-6 | Small-Pole Adapter Kit for Lightweight Ring Mounts | 34 lbs. |

Mini T-Arm Kit

This 3-sector T-arm kit enables the mounting of up to 2 antennas per sector.

- 5' face enables 48" antenna separation
- Includes hardware for 2-3/8" to 4-1/2" antenna mounting pipes
- Antenna mounting pipes stand 18" off pole on standard kits, 32" on long kits



| Part # | Pole Diameter | Face | Stand-Off Length | Weight |
|---------|---------------|---------|------------------|----------|
| UDS-NP | 10-1/2" - 28" | 5' Pipe | 18" | 425 lbs. |
| UDS-NPL | 10-1/2" - 28" | 5' Pipe | 32" | 465 lbs. |

| Part # | Description | Weight |
|--------|--|---------|
| LP-42 | Large-Pole Adapter Kit for Lightweight Ring Mounts | 90 lbs. |
| LP-6 | Small-Pole Adapter Kit for Lightweight Ring Mounts | 34 lbs. |

Tri-Sector T-Arm Kit for 6 Antennas (36" Standoff)

This 3-sector T-arm kit enables the mounting of up to 2 antennas per sector.

- Includes ring mount, support arms, horizontal crossarms, antenna mounting pipes and hardware
- Contact us for load and engineering data



| Part # | Pole Diameter | Face | Mounting Pipes | Weight |
|-----------|---------------|---------|-------------------|-----------|
| RMV5-296 | 12" - 45" | 5' Pipe | (6) 2-3/8" x 96" | 1185 lbs. |
| RMV5-2126 | 12" - 45" | 5' Pipe | (6) 2-3/8" x 120" | 995 lbs. |
| RMV5-3096 | 12" - 45" | 5' Pipe | (6) 2-7/8" x 96" | 1310 lbs. |

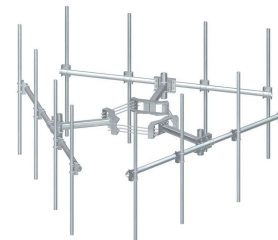
| Part # | Description | Weight |
|--------|---|----------|
| RM-ADK | Large-Pole Adapter Kit (45" to 60" Pole Diameter) | 102 lbs. |

MONOPOLE MOUNTS

Tri-Sector T-Arm Kit

This 3-sector T-arm kit enables the mounting of up to 4 antennas per sector.

- Includes ring mount, support arms, horizontal crossarms, antenna mounting pipes and hardware
- RMV12-SQNP and RMV14-SQNP include antenna pipe mounting hardware for 2-3/8" and 2-7/8" antenna mounting pipes; order antenna mounting pipes separately
- Contact us for load and engineering data



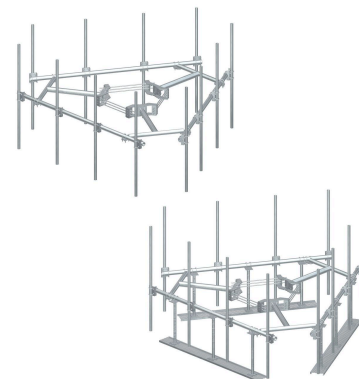
| Part # | Pole Diameter | Face | Mounting Pipes | Weight |
|------------|---------------|--------------------|--------------------|-----------|
| RMV12-396 | 12" - 45" | 12'-6" Pipe | (9) 2-3/8" x 96" | 1285 lbs. |
| RMV12-496 | 12" - 45" | 12'-6" Pipe | (12) 2-3/8" x 96" | 1339 lbs. |
| RMV12-3126 | 12" - 45" | 13' Pipe | (9) 2-3/8" x 120" | 1285 lbs. |
| RMV12-4126 | 12" - 45" | 13' Pipe | (12) 2-3/8" x 120" | 1339 lbs. |
| RMV14-NP | 12" - 45" | 14'-6" Pipe | None | 900 lbs. |
| RMV14-496 | 12" - 45" | 14'-6" Pipe | (12) 2-3/8" x 96" | 1385 lbs. |
| RMV14-4126 | 12" - 45" | 14'-6" Pipe | (12) 2-3/8" x 126" | 1525 lbs. |
| RMV14-SQNP | 12" - 45" | 14'-6" Square Tube | None | 1085 lbs. |

| Part # | Description | Weight |
|--------|---|----------|
| RM-ADK | Large-Pole Adapter Kit (45" to 60" Pole Diameter) | 102 lbs. |

Ultra-Low-Profile T-Arm Kit for 12 Antennas

This kit provides increased capacity with reduced wind load.

- Includes ring mount, support arms, antenna mounting pipes and hardware
- Low-profile design for reduced wind loading
- Easily adaptable to include work platforms
- All round members reduce the risk of migratory bird nesting
- Contact us for load and engineering data



| Part # | Pole Diameter | Face Width | Mounting Pipes | Weight |
|------------|---------------|------------|--------------------|-----------|
| ULP12-496 | 12" - 45" | 13' | (12) 2-3/8" x 96" | 1 lb. |
| ULP12-4126 | 12" - 45" | 13' | (12) 2-3/8" x 120" | 1660 lbs. |
| ULP14-496 | 12" - 45" | 15' | (12) 2-3/8" x 96" | 1 lb. |
| ULP14-4126 | 12" - 45" | 15' | (12) 2-3/8" x 120" | 1710 lbs. |

| Part # | Description | Weight |
|-----------|---|----------|
| RM-ADK | Large-Pole Adapter Kit (45" to 60" Pole Diameter) | 102 lbs. |
| WP197-10 | Work Support Platform | 166 lbs. |
| WP197J-10 | Work Support Platform | 102 lbs. |
| WP197J-12 | Work Support Platform | 115 lbs. |

Ultra-Low-Profile Dual Level Rigid T-Arm Kit for 12 Antennas

This dual level kit safely supports multiple RRU's and twelve antennas.

- Includes ring mounts, support arms, antenna mounting pipes and hardware
- Second level of T-arms and ring mount below add additional support
- All round members reduce the risk of migratory bird nesting
- Contact us for load and engineering data

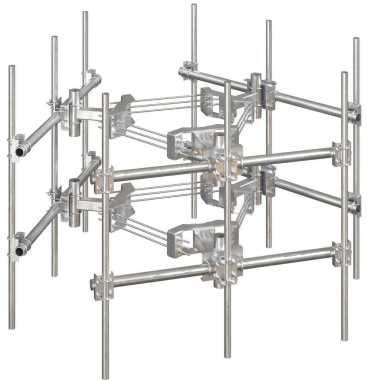


| Part # | Pole Diameter | Face Width | Mounting Pipes | Weight |
|-------------|---------------|------------|--------------------|--------|
| ULPD12-496 | 12" - 45" | 13' | (12) 2-3/8" x 96" | 2 lbs. |
| ULPD12-4126 | 12" - 45" | 13' | (12) 2-3/8" x 120" | 2 lbs. |

Monopole Dual-Level Tri-Sector T-Arm Kit

This 3-sector T-arm kit enables the mounting of up to 2 antennas per sector.

- Includes ring mounts, support arms, crossarms, antenna mounting pipes and hardware
- NP versions require antenna pipe mounting hardware
- Contact us for load and engineering data



| Part # | Pole Diameter | Standoff Length | Mounting Pipes | Face | Weight |
|----------------|---------------|-----------------|--------------------|------|-----------|
| RMVD8-296-18 | 12" - 45" | 18" | (9) 2-3/8" x 96" | 9' | 1881 lbs. |
| RMVD8-2120-18 | 12" - 45" | 18" | (9) 2-3/8" x 120" | 9' | 1937 lbs. |
| RMVD8-296-24 | 12" - 45" | 24" | (9) 2-3/8" x 96" | 9' | 1918 lbs. |
| RMVD8-2120-24 | 12" - 45" | 24" | (9) 2-3/8" x 120" | 9' | 1974 lbs. |
| RMVD8-3-296 | 12" - 45" | 36" | (9) 2-3/8" x 96" | 9' | 2175 lbs. |
| RMVD8-3-2120 | 12" - 45" | 36" | (9) 2-3/8" x 120" | 9' | 2255 lbs. |
| RMVD10-4-296 | 12" - 45" | 36" | (12) 2-3/8" x 96" | 11' | 2355 lbs. |
| RMVD10-4-2120 | 12" - 45" | 36" | (12) 2-3/8" x 120" | 11' | 2429 lbs. |
| RMVD10-4-3096 | 12" - 45" | 36" | (12) 2-7/8" x 96" | 11' | 2525 lbs. |
| RMVD10-4-30120 | 12" - 45" | 36" | (12) 2-7/8" x 120" | 11' | 2665 lbs. |
| RMVD12-4-296 | 12" - 45" | 36" | (12) 2-7/8" x 96" | 13' | 2446 lbs. |
| RMVD12-4-2120 | 12" - 45" | 36" | (12) 2-7/8" x 120" | 13' | 2521 lbs. |
| RMVD12-4-3096 | 12" - 45" | 36" | (12) 2-7/8" x 96" | 13' | 2616 lbs. |
| RMVD12-4-30120 | 12" - 45" | 36" | (12) 2-7/8" x 120" | 13' | 2755 lbs. |
| RMVD14-4-296 | 12" - 45" | 36" | (12) 2-3/8" x 96" | 15' | 2537 lbs. |
| RMVD14-4-2120 | 12" - 45" | 36" | (12) 2-3/8" x 120" | 15' | 2612 lbs. |
| RMVD14-4-3096 | 12" - 45" | 36" | (12) 2-7/8" x 96" | 15' | 2707 lbs. |
| RMVD14-4-30120 | 12" - 45" | 36" | (12) 2-7/8" x 120" | 15' | 2846 lbs. |

MONOPOLE MOUNTS

Chain Mount Kit

This kit enables the chain mounting of antennas or RRU's to monopoles.

- Fits polygon or round poles
- Includes U-bolts for mounting 2-3/8" or 4-1/2" OD pipes
- Hot-dip galvanized
- Purchase U-bolts separately if mounting 2-7/8" or 3-1/2" pipes
- Order antenna mounting pipes separately
- For longer chain lengths order GC4-PF

| Part # | Description | Range | Weight |
|--------|---------------|--------------|----------|
| CHM1 | Single Sector | 5" - 36" | 60 lbs. |
| CHM2 | Double Sector | 5" - 36" | 100 lbs. |
| CHM3 | Triple Sector | 6-1/2" - 36" | 147 lbs. |

| Part # | Description | Weight |
|--------|-----------------------|--------|
| GC4-PF | 1/4" Galvanized Chain | 1 lb. |



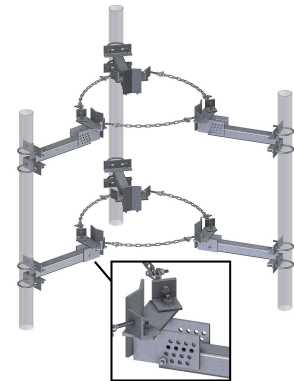
Taper-Adjustable Chain Mount Kit

This kit enables the chain mounting and taper adjustment of antennas or RRU's to monopoles.

- Fits polygon or round poles
- Simple taper adjustment allows for up to 6° of taper in 3/4" increments
- Includes U-bolts for mounting 2-3/8" or 4-1/2" OD pipes
- Hot-dip galvanized
- Purchase U-bolts separately if mounting 2-7/8" or 3-1/2" pipes
- Order antenna mounting pipes separately
- For longer chain lengths order GC4-PF

| Part # | Description | Standoff | Range | Weight |
|---------|---------------|----------|--------------|----------|
| TCHM1 | Single Sector | 1' | 5" - 36" | 90 lbs. |
| TCHM1-L | Single Sector | 2' | 5" - 36" | 95 lbs. |
| TCHM2 | Double Sector | 1' | 5" - 36" | 135 lbs. |
| TCHM2-L | Double Sector | 2' | 5" - 36" | 160 lbs. |
| TCHM3 | Triple Sector | 1' | 6-1/2" - 36" | 195 lbs. |
| TCHM3-L | Triple Sector | 2' | 6-1/2" - 36" | 225 lbs. |

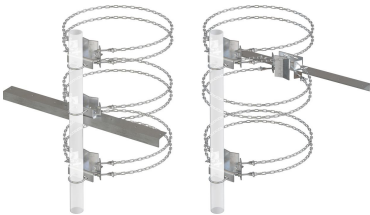
| Part # | Description | Weight |
|--------|-----------------------|--------|
| GC4-PF | 1/4" Galvanized Chain | 1 lb. |



Chain Mount Kit for Dish Antennas

This kit enables the chain mounting of dish antennas to monopoles.

- Fits polygon or round poles 5" - 36"
- Includes U-bolts for mounting 4-1/2" OD pipes
- Heavy-duty kit for dishes up to 8' in diameter
- Includes side-strut support bracket for stiff arms
- Purchase U-bolts separately if mounting 3-1/2" pipes
- Order antenna mounting pipes separately
- For longer chain lengths order GC4-PF



| Part # | Description | Weight |
|--------|-------------------------------|----------|
| DCH8 | HD Chain Mount with Stiff Arm | 129 lbs. |

| Part # | Description | Weight |
|--------|-----------------------|--------|
| GC4-PF | 1/4" Galvanized Chain | 1 lb. |

Monopole Mount Kit

This kit enables the mounting of multiple RRU's or antennas.

- Available in our PIM Shield® Product Guide
- Safely supports multiple RRU's or antennas
- Fits round or polygon poles from 17-1/2" to 56" diameter
- Order 2-3/8" or 2-7/8" antenna mounting pipes separately
- Contact us for load and engineering data



| Part # | Pole Diameter | Description | Weight |
|--------|---------------|-------------|----------|
| 6CHMT | 17-1/2" - 56" | Six Sector | 271 lbs. |

1/4" Galvanized Chain

This 1/4" Grade 40 galvanized chain can be purchased when needed to accommodate larger pole diameters.

- 1/4" Gr 40 galvanized chain
- Specify length in 1' increments



| Part # | Description | Weight |
|--------|--------------------------|--------|
| GC4-PF | 1/4" Galvanized Chain/ft | 1 lb. |

V-Style Reinforcement Kits (Angle)

This kit is used to reinforce handrails on 3-sector platforms or T-arms.

- Provides extra rigidity to new or existing platform handrails
- Can be installed to support the handrails from above or below
- PRK-SFS and PRK-SFS-L fit round or polygon poles from 12" to 45" diameter, or up to 60" diameter with the addition of the RM-ADK large pole adapter Kit
- PQ-SFS fits round or polygon poles from 12" to 60" diameter
- Handrail connection hardware fits round members 1" to 3-1/2" OD



| Part # | Description | Angle Size | Weight |
|--------|---------------------------------|---------------------------------|----------|
| PQ-SFS | Quad Handrail Reinforcement Kit | L 2-1/2" x 2-1/2" x 1/4" x 120" | 803 lbs. |

| Part # | Description | Weight |
|--------|---|----------|
| RM-ADK | Large-Pole Adapter Kit (45" to 60" Pole Diameter) | 102 lbs. |

Chain Mount for Small Antenna

Fits polygon or round poles 6-1/2" – 36" diameter

- 1.9" OD x 12" mounting pipe
- Stands 9" off pole

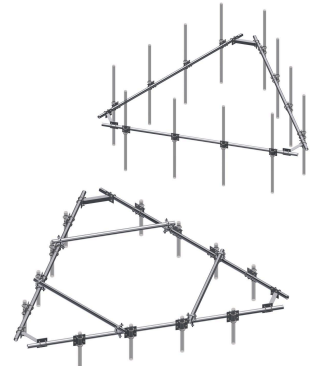
| Part # | Description | Weight |
|--------|-------------------------------|---------|
| CHMSA | Chain Mount for Small Antenna | 27 lbs. |



Universal Platform Support Rail Kit

This kit is used to add support rails and antenna pipe support to existing platforms.

- Kit includes support rails pipes, corner brace kits, crossover plates and hardware; HD kits include addition cross brace supports
- Antenna mounting pipes sold separately

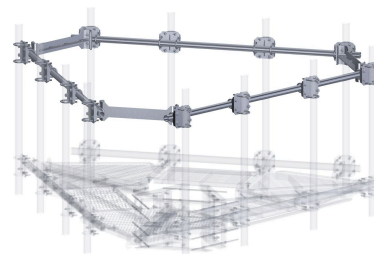


| Part # | Face Width | Support Rail Pipe Size | Antenna Mounting Pipe Size | Weight |
|-----------|------------|------------------------|----------------------------|----------|
| HRK12 | 13' | 2-3/8" | 2-3/8" | 228 lbs. |
| HRK14 | 15' | 2-3/8" | 2-3/8" | 268 lbs. |
| HRK12-HD | 13' | 2-3/8" | 2-3/8" or 2-7/8" | 413 lbs. |
| HRK14-HD | 15' | 2-3/8" | 2-3/8" or 2-7/8" | 448 lbs. |
| HRK12-3HD | 13' | 2-7/8" | 2-3/8" or 2-7/8" | 503 lbs. |
| HRK14-3HD | 15' | 2-7/8" | 2-3/8" or 2-7/8" | 525 lbs. |

Horizontal Support Rail Kit for Fortress™ Tri-Platform Mounts

This support rail kit provides an added safety mechanism for tower technicians.

- Enhances safety
- Enhances ease of maintenance
- Includes all hardware for attachment

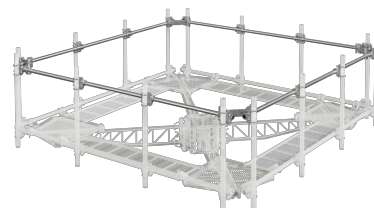


| Part # | Face Width | Support Rail Pipe Size | Antenna Mounting Pipe Size | Weight |
|-----------|------------|------------------------|----------------------------|----------|
| F3P-HRK8 | 9' | 2-3/8" | 2-3/8" or 2-7/8" | 374 lbs. |
| F3P-HRK10 | 11' | 2-3/8" | 2-3/8" or 2-7/8" | 391 lbs. |
| F3P-HRK12 | 13' | 2-3/8" | 2-3/8" or 2-7/8" | 405 lbs. |
| F3P-HRK14 | 15' | 2-3/8" | 2-3/8" or 2-7/8" | 415 lbs. |

Horizontal Support Rail Kit for Fortress™ Quad-Platform Mounts

This support rail kit provides an added safety mechanism for tower technicians.

- Enhances safety
- Enhances ease of maintenance
- Includes all hardware for attachment

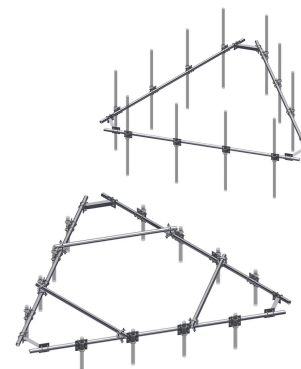


| Part # | Face Width | Support Rail Pipe Size | Antenna Mounting Pipe Size | Weight |
|-----------|------------|------------------------|----------------------------|----------|
| F4P-HRK8 | 9' | 2-3/8" | 2-3/8" or 2-7/8" | 464 lbs. |
| F4P-HRK10 | 11' | 2-3/8" | 2-3/8" or 2-7/8" | 480 lbs. |
| F4P-HRK12 | 13' | 2-3/8" | 2-3/8" or 2-7/8" | 507 lbs. |
| F4P-HRK14 | 15' | 2-3/8" | 2-3/8" or 2-7/8" | 550 lbs. |

Horizontal Support Rail Kit for Low-Profile Co-Location Platform

Universal Support Rail kit for RMPQ platform for use with 2-3/8" or 2-7/8" antenna pipes.

- Used to add Support Rails and antenna pipe support to existing platforms
- Universal design, works for a variety of platforms
- Complete kit includes Support Rail pipes, three corner brace kits, twelve crossover plates and hardware



| Part # | Description | Pipes | Weight |
|---------|-------------------------------|---------------------------------|----------|
| HRK12-U | Support Rail Kit for 13' Face | 2-3/8" and 2-7/8" Antenna Pipes | 303 lbs. |
| HRK14-U | Support Rail Kit for 15' Face | 2-3/8" and 2-7/8" Antenna Pipes | 333 lbs. |

Horizontal Support Rail

This kit is used to reinforce support Rails on existing 3-sided platforms.

- Kit includes three corner brackets and attachment hardware
- Fits pipe support rails 2-3/8" to 3-1/2" OD



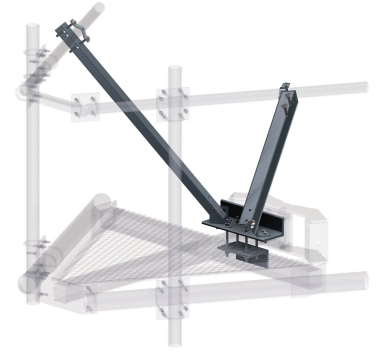
| Part # | Weight |
|--------|---------|
| AHCP | 67 lbs. |

REINFORCEMENT KITS

Horizontal Support Rail Reinforcement Kit

This kit provides extra rigidity for existing platform support rails.

- Bracing attaches to platform standoff arms
- HSRK-35 hardware fits up to 5" round or square tube standoff arms
- HSRK-66 hardware fits up to 6" round or square tube standoff arms
- Support rail attachment hardware fits pipe support rails up to 3-1/2" OD
- Kit installation requires field cutting and drilling
- Includes bracing and attaching hardware for one corner of the platform



| Part # | Angle Size | Weight |
|---------|------------------------|----------|
| HSRK-35 | L 3" x 3" x 1/4" x 96" | 141 lbs. |
| HSRK-66 | L 3" x 3" x 1/4" x 96" | 142 lbs. |

Universal Horizontal Support Rail Brace Kit

This universal horizontal support rail brace kit is used to reinforce platform support rails.

- Kit includes hardware required for use with up to 4-1/2" pipe stiff arm
- Fits platform support rails up to 6" square tube
- Purchase 2-3/8" pipe separately
- Hot-dip galvanized



| Part # | Weight |
|--------|----------|
| HSRB-U | 135 lbs. |
| DSRB-U | 132 lbs. |

Reinforcement Kit for Fortress™ Platforms

This kit is used to reinforce Fortress™ platforms to provide additional dead load capacity.

- Simple bolt-on reinforcement kit includes ring mount and support arms
- Fits round or polygon poles from 12" to 45" diameter, or up to 60" with the addition of the FLX-ADK large pole adapter kit
- The maximum additional vertical load capacity gained is 4,000 lb per sector arm (12,000 lb total)
- Contact us for load and engineering data

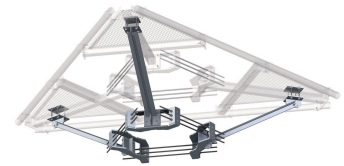


| Part # | Pole Diameter | Horizontal Connection | Angle Size | Weight |
|---------|---------------|-----------------------|---------------------------------|----------|
| F4P-PRK | 12" to 60" | 1/2" Flange | 2L 2-1/2" x 2-1/2" x 3/16" x 52 | 633 lbs. |
| F3P-PRK | 12" to 45" | 1/2" Flange | 2L 2-1/2" x 2-1/2" x 3/16" x 52 | 470 lbs. |

Reinforcement Kit for Platforms or T-Arms

This kit is used to reinforce 3-sector platforms or T-arms to provide additional dead load capacity.

- Simple bolt-on reinforcement kit includes ring mount and support arms
- Fits round or polygon poles from 12" to 45" diameter, or up to 60" with the addition of the RM-ADK large pole adapter kit
- The maximum additional vertical load capacity gained is 4,000 lb per sector arm (12,000 lb total)
- PRK-1245, PRK-1245L, and PRK-NA hardware kits fit up to 4" round or square tube standoff arms
- Contact us for load and engineering data



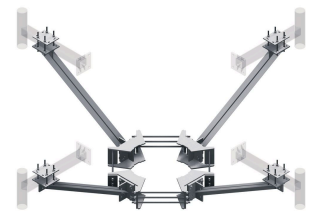
| Part # | Description | Pole Diameter | Horizontal Connection | Angle Size | Weight |
|------------|-------------------------------------|---------------|-----------------------|----------------------------------|----------|
| PRK-1245 | Reinforcement Kit | 12" to 45" | 4" x 4" Max | 2L 2-1/2" x 2-1/2" x 3/16" x 52" | 465 lbs. |
| PRK-1245L | Long Reinforcement Kit | 12" to 45" | 4" x 4" Max | 2L 2-1/2" x 2-1/2" x 3/16" x 84" | 520 lbs. |
| PRK-NA | Attachment Hardware Only | 12" to 45" | 4" x 4" Max | Order Separately | 379 lbs. |
| PRK-1245LW | Reinforcement Kit, Wide Connection | 12" to 45" | 6" x 6" Max | 2L 2-1/2" x 2-1/2" x 3/16" x 84" | 564 lbs. |
| PRK-HD | Reinforcement Kit, Heavy-Duty Angle | 12" to 45" | 5" x 5" Max | 2L 3" x 3" x 1/4" x 84" | 610 lbs. |

| Part # | Description | Weight |
|--------|---|----------|
| RM-ADK | Large-Pole Adapter Kit (45" to 60" Pole Diameter) | 102 lbs. |

Quad Reinforcement Kit for Platforms or T-Arms

This kit is used to reinforce 4-sector platforms or T-arms to provide additional dead load capacity.

- Simple bolt-on reinforcement kit includes ring mount and support arms
- Fits round or polygon poles from 12" to 60" diameter
- Increase platform dead load capacity up to 5,600 lb per sector
- The maximum additional vertical load capacity gained is 3,000 lb per sector arm (12,000 lb total)
- Attaching hardware fits up to 4" round or square tube standoff arms
- Contact us for load and engineering data



| Part # | Description | Pole Diameter | Horizontal Connection | Angle Size | Weight |
|----------|--------------------------|---------------|-----------------------|----------------------------------|----------|
| PQ-1245 | Reinforcement Kit | 12" to 60" | 4" x 4" Max | 2L 2-1/2" x 2-1/2" x 3/16" x 52" | 665 lbs. |
| PQ-1245L | Long Reinforcement Kit | 12" to 60" | 4" x 4" Max | 2L 2-1/2" x 2-1/2" x 3/16" x 84" | 735 lbs. |
| PQ-NA | Attachment Hardware Only | 12" to 60" | 4" x 4" Max | Order Separately | 516 lbs. |

V-Style Reinforcement Kit (Pipe)

This kit is used to reinforce 3-sector platforms or T-arms to provide additional dead load capacity.

- Simple bolt-on reinforcement kit includes ring mount and support arms
- Fits round or polygon poles from 12" to 45" diameter, or up to 60" with the addition of the RM-ADK large pole adapter kit
- Fits 2-3/8" or 2-7/8" OD crossarms
- Pipe bracing for reduced wind area
- Contact us for load and engineering data



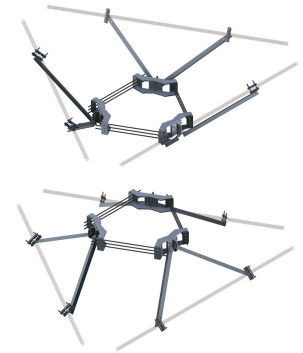
| Part # | Description | Pole Diameter | Horizontal Connection | Pipe Size | Weight |
|-----------|------------------------|---------------|-----------------------|-----------|----------|
| VSK-MHD | Reinforcement Kit | 12" to 45" | 2-3/8" or 2-7/8" | 2-7/8" | 525 lbs. |
| VSK-MHD-L | Long Reinforcement Kit | 12" to 45" | 2-3/8" or 2-7/8" | 2-7/8" | 585 lbs. |

| Part # | Description | Weight |
|--------|---|----------|
| RM-ADK | Large-Pole Adapter Kit (45" to 60" Pole Diameter) | 102 lbs. |

V-Style Reinforcement Kit (Angle)

This kit is used to reinforce support rails on 3-sector platforms or T-arms.

- Provides extra rigidity to new or existing platform support rails
- Can be installed to support the support rails from above or below
- PRK-SFS and PRK-SFS-L fit round or polygon poles from 12" to 45" diameter, or up to 60" diameter with the addition of the RM-ADK large pole adapter Kit
- PQ-SFS fits round or polygon poles from 12" to 60" diameter
- Support rail connection hardware fits round members 1" to 3-1/2" OD



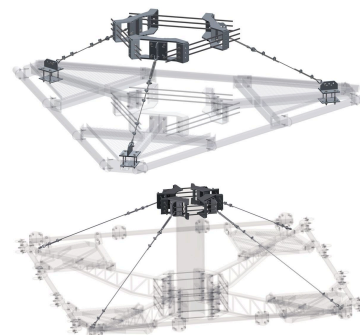
| Part # | Description | Angle Size | Weight |
|-----------|---|-------------------------------------|----------|
| PRK-SFS | Support Rail Reinforcement Kit | L 2-1/2" x 2-1/2" x 3/16" x 52-1/2" | 588 lbs. |
| PRK-SFS-L | Long Angle Support Rail Reinforcement Kit | L 2-1/2" x 2-1/2" x 3/16" x 72" | 642 lbs. |

| Part # | Description | Weight |
|--------|---|----------|
| RM-ADK | Large-Pole Adapter Kit (45" to 60" Pole Diameter) | 102 lbs. |

Cable Platform Reinforcement Kit

This cable platform reinforcement kit provides additional capacity for Fortress™ or other monopole platforms.

- Extremely low EPA
- Clamp ring mounts a minimum of 48" above the platform
- 5/16" galvanized aircraft cable
- Universal kit attaching hardware fits up to 4" square tube or round support arm
- Attach to the platform with 5/16" shackles
- CRK-DC3 and CRK-UC3 fit round or polygon poles from 12" to 45" diameter or up to 60" with the addition of the RM-ADK large pole adapter kit
- CRK-DC4 and CRK-UC4 fit round or polygon poles from 12" to 60" diameter



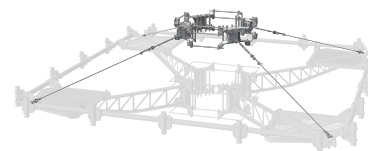
| Part # | Platform Style | Pole Diameter | Horizontal Connection | Weight |
|---------|----------------|---------------|-----------------------|----------|
| CRK-DC3 | Fortress™ F3P | 12" – 45" | 4" x 4" Max | 350 lbs. |
| CRK-DC4 | Fortress™ F4P | 12" – 60" | 4" x 4" Max | 409 lbs. |
| CRK-UC3 | Universal | 12" – 45" | 4" x 4" Max | 415 lbs. |
| CRK-UC4 | Universal | 12" – 60" | 4" x 4" Max | 497 lbs. |

| Part # | Description | Weight |
|--------|---|----------|
| RM-ADK | Large-Pole Adapter Kit (45" to 60" Pole Diameter) | 102 lbs. |

Cable Platform Reinforcement Kit (FlexMax™ Series)

This cable platform reinforcement kit provides additional capacity for the Fortress FlexMax™.

- Extremely low EPA
- Clamp ring mounts a minimum of 48" above the platform
- 5/16" galvanized aircraft cable
- Universal kit attaching hardware fits up to 4" square tube or round support arm
- Attach to the platform with 5/16" shackles
- CRK-DC3 and CRK-UC3 fit round or polygon poles from 12" to 45" diameter or up to 60" with the addition of the RM-ADK large pole adapter kit

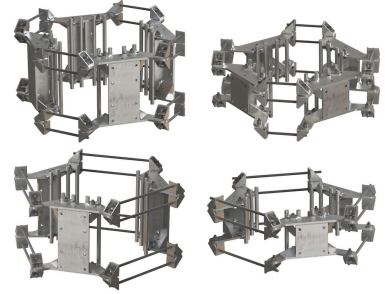


| Part # | Platform Style | Pole Diameter | Horizontal Connection | Weight |
|----------|------------------------|---------------|-----------------------|----------|
| CRK-FLX3 | Fortress FlexMax™ FX3P | 12" – 45" | 6" x 6" Max | 363 lbs. |
| CRK-FLX4 | Fortress FlexMax™ FX4P | 12" – 60" | 4" x 4" Max | 484 lbs. |

FLX Series™ Ring Mounts

The FLX Series™ Ring Mounts, with patent-pending Clamp Ring Technology, represent the next generation of mounting solutions, dynamically conforming to the unique shape of monopoles to significantly reduce stress, enhance structural integrity, and minimize pole damage.

- Mitigates localized stress and pole damage for improved structural integrity
- Round-on-round configuration pivots around the pole, adapting to its unique shape for a snug and secure fit
- Pivot points between rods reduce shifted loading, ensuring balanced and stable installations
- Constructed as a single weldment, offering higher D/t values for long-term reliability
- Designed to handle heavier, modern equipment loads with ease
- Contact us for load and engineering data



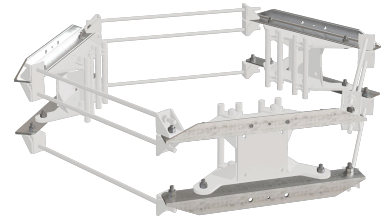
| Part # | Sectors | Pole Sizes | Weight |
|---------|---------|------------|----------|
| FLX3-SD | 3-Sided | 12" - 36" | 280 lbs. |
| FLX3-HD | 3-Sided | 12" - 44" | 374 lbs. |
| FLX4-SD | 4-Sided | 12" - 60" | 373 lbs. |
| FLX4-HD | 4-Sided | 12" - 60" | 499 lbs. |

| Part # | Description | Weight |
|------------|------------------------------------|---------|
| FLX-ADK | FLX Series™ Large Pole Adapter Kit | 96 lbs. |
| G58TRI-NUT | Tri-Lock Heavy Hex Nut | 1 lb. |

FLX Series™ Large Pole Adapter Kit

This kit is specifically designed for use with the FLX Series™ Ring Mounts, allowing seamless attachment to larger monopoles.

- Accommodates poles larger than 45" and up to 60"
- Included in many of our kits, but also available separately
- Designed to stay as close as possible to the monopole, not interfering with external climbing ladders
- Contact us for load and engineering data

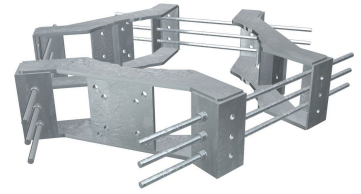


| Part # | Pole Size | Weight |
|---------|-----------|---------|
| FLX-ADK | 45" - 60" | 96 lbs. |

Universal Ring Mount Kit

This kit is used to attach tri-brackets and platforms to monopoles.

- Included in many of our kits, but also available separately
- Wider operating range than other brands
- Designed to stay as close as possible to the monopole, not interfering with external climbing ladders
- 6" x 6" bolt pattern
- Large-pole adapter kit available for poles larger than 45" and up to 60"
- Contact us for load and engineering data

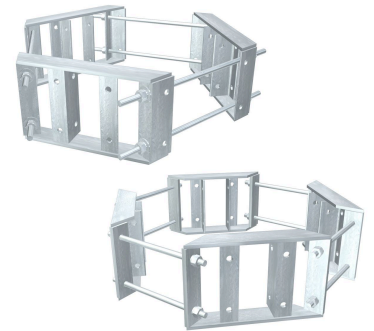


| Part # | Description | Pole Sizes | Weight |
|--------|----------------------|------------|----------|
| UQB4 | Quad-Monopole Collar | 12" - 60" | 330 lbs. |
| LWRM | Tri-Monopole Collar | 12" - 45" | 250 lbs. |
| RM-ADK | Large Pole Adapter | 45" - 60" | 102 lbs. |

Lightweight Ring Mount Kit

This kit is used in lightweight ring mount applications of up to two antennas per sector.

- Easy to use lightweight ring mount
- Perfect for applications using two antennas per sector
- 6" x 6" bolt pattern
- Large and small pole adapter kit also available
- Contact us for load and engineering data

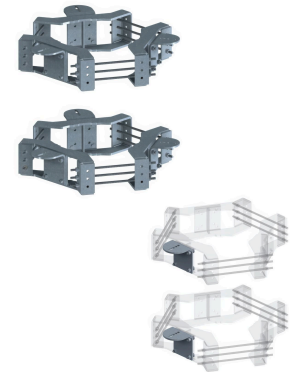


| Part # | Pole Sizes | Weight |
|--------|------------------|----------|
| UGLM | 10-1/2" - 28" | 89 lbs. |
| LP-42 | 28" - 42" | 90 lbs. |
| LP-6 | 6-5/8" - 10-1/2" | 34 lbs. |
| UGLM4 | 10-1/2" - 42" | 111 lbs. |
| QP-6 | 6-5/8" - 10-1/2" | 46 lbs. |

Direct Frame Connection Kit

This kit enables attachment of V-Series™ Sector Frames to monopoles.

- Mounting pipes are not required
- MDFCC kit includes two ring mounts and attaching hardware for three sector frames
- Fits round or polygon poles from 12" to 45" diameter, or up to 60" with the addition of the RM-ADK large pole adapter kit
- RMBP will work with any ring mount using 5/8" bolts with a 6" x 6" hole pattern
- When ordering V-Series™ frames for use with this kit add "-NLB" to the part number to get the frame without the leg bracket hardware



| Part # | Description | Weight |
|--------|---|----------|
| RMBP | Single Sector Direct Frame Connection Kit | 35 lbs. |
| MDFCC | Monopole Direct Frame Connection Kit | 634 lbs. |

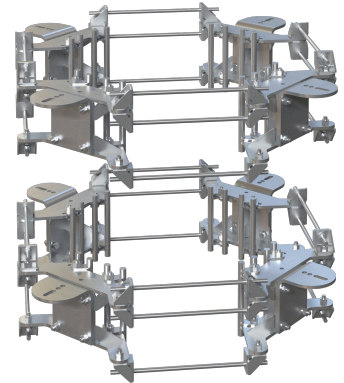
| Part # | Description | Weight |
|--------|---|----------|
| RM-ADK | Large-Pole Adapter Kit (45" to 60" Pole Diameter) | 102 lbs. |

Monopole Direct Frame Connection Kit

This kit enables attachment of V-Series™ Sector Frames to monopoles.

- Mounting pipes are not required
- MDFCC kit includes two ring mounts and attaching hardware for three sector frames
- Fits round or polygon poles from 12" to 45" diameter, or up to 60" with the addition of the RM-ADK large pole adapter kit
- RMBP will work with any ring mount using 5/8" bolts with a 6" x 6" hole pattern
- When ordering V-Series™ frames for use with this kit add "-NLB" to the part number to get the frame without the leg bracket hardware

| Part # | Description | Weight |
|------------|---|----------|
| MDFCC-FLX3 | Monopole Direct Frame Connection Kit including FlexMax™ | 668 lbs. |
| MDFCC-FLX4 | Monopole Direct Frame Connection Kit including FlexMax™ | 890 lbs. |



Sector Frame Attachment Assembly

This allows the easy attachment of sector frames to monopoles.

- Provides 4-1/2" OD mounting pipes for attachment of sector frames
- Includes two ring mounts, 4-1/2" OD mounting pipes, and hardware



| Part # | Description | Pole Sizes | Weight |
|---------|---|------------|-----------|
| MSFAA-Q | Sector Frame Attachment Assembly (4 Sector) | 12" - 60" | 1105 lbs. |
| MSFAA | Sector Frame Attachment Assembly (3 Sector) | 12" - 45" | 789 lbs. |
| MSFAA-L | Sector Frame Attachment Assembly Large (3 Sector) | 45" - 60" | 992 lbs. |



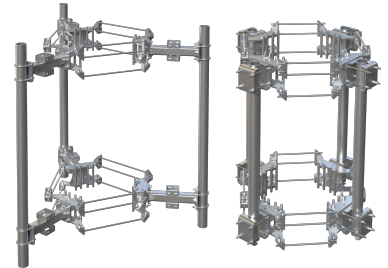
Monopole Sector Frame Attachment Assembly

This allows the easy attachment of sector frames to monopoles.

- Provides 4-1/2" OD mounting pipes for attachment of sector frames
- Includes two ring mounts, 4-1/2" OD mounting pipes, and hardware



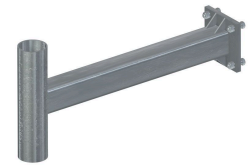
| Part # | Description | Pole Sizes | Weight |
|---------------|--|------------|-----------|
| MSFAA-FLX3 | Sector Frame Attachment Assembly (3 Sector) for FlexMax™ Collar | 12" - 45" | 937 lbs. |
| MSFAA-FLX4 | Sector Frame Attachment Assembly (4 Sector) for FlexMax™ Collar | 12" - 60" | 1250 lbs. |
| MSFAA-24-FLX3 | Sector Frame Attachment Assembly (3 Sector) for FlexMax™ Collar with 24" Stand-Off | 12" - 45" | 1237 lbs. |
| MSFAA-24-FLX4 | Sector Frame Attachment Assembly (4 Sector) for FlexMax™ Collar with 24" Stand-Off | 12" - 60" | 1648 lbs. |



Support Arm Kit

This is the standard standoff arm used with our T-bracket mounts.

- 18", 24", 36", or 48" length with 4-1/2" OD x 18" stub
- Include attachment hardware
- Mounting plate is 3/4" thick by 8" square with four 11/16" holes on 6" centers
- Standoff is 4" x 1/4" square tube
- Unique welded gussets add strength

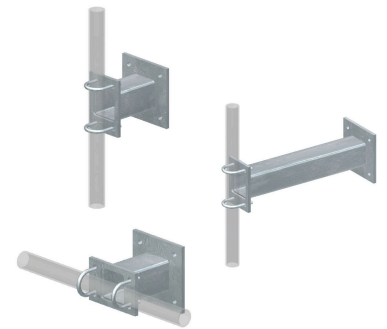


| Part # | Description | Weight |
|----------|-----------------|---------|
| SV197-18 | 18" Support Arm | 55 lbs. |
| SV197-24 | 24" Support Arm | 55 lbs. |
| SV197-36 | 36" Support Arm | 82 lbs. |
| SV197-48 | 48" Support Arm | 85 lbs. |

Standoff Arm Kit for Single Antennas

This kit allows the attachment of vertical pipe to ring mounts.

- Versatile 8", 24" or 36" standoff arms available
- Accepts 2-3/8", 2-7/8", or 3-1/2" pipes vertically or horizontally
- Fits our standard or lightweight ring mounts
- Includes attachment hardware
- Mounting plate is 1/2" thick by 8-1/2" square with four 11/16" holes on 6" centers
- Standoff is 4" x 3/16" square tube

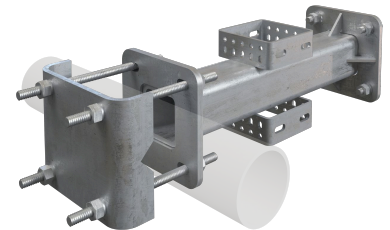


| Part # | Description | Weight |
|--------|-----------------|---------|
| MM01 | 8" Support Arm | 37 lbs. |
| MM02 | 24" Support Arm | 51 lbs. |
| MM03 | 36" Support Arm | 62 lbs. |

Heavy Duty Standoff Arm Kits for Single Antennas

This Heavy Duty kit allows the attachment of vertical pipe to ring mounts.

- Features our Quick-Plate™ for easy grounding and addition of RRU mounting pipes or unistrut
- Accepts 2-3/8", 2-7/8", or 3-1/2" or 4-1/2" pipes vertically or horizontally
- Fits our standard or lightweight, or Heavy Duty ring mounts
- Mounting plate is 1/2" thick by 8-1/2" square with four 11/16" holes on 6" centers
- Standoff is 4" x 3/8" square tube



| Part # | Stand-Off | Weight |
|---------|-----------|---------|
| MM02-HD | 24" | 60 lbs. |

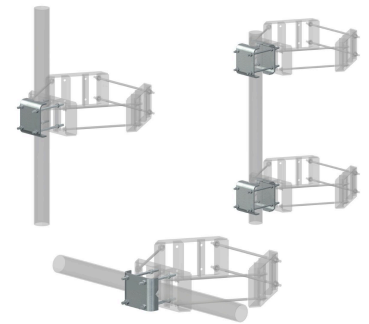
MONOPOLE COMPONENTS

Flush Mount Adapter Kit

This kit allows the flush attachment of vertical pipe to ring mounts.

- Fits our standard or lightweight ring mounts
- Kit includes plates and all hardware
- Order antenna mounting pipes separately
- FMA1 can be used to mount a pipe horizontally or vertically

| Part # | Description | Pipe Size Range | Weight |
|--------|-----------------------|-----------------|---------|
| FMA1 | 1 Plate and Hardware | 1-1/2" - 4-1/2" | 16 lbs. |
| FMA1-2 | 2 Plates and Hardware | 1-1/2" - 4-1/2" | 30 lbs. |
| FMA2 | 4 Plates and Hardware | 1-1/2" - 4-1/2" | 57 lbs. |



Cellular Pipe Frame

This kit provides a 3-1/2" OD horizontal pipe for attaching antenna mounting pipes.

- 3-1/2" pipe, 12'-6" or 14'-6" in length with mounting plate and U-bolts to mount to a 4-1/2" pipe
- Includes pipe, crossover plate and U-bolts



| Part # | Length | Weight |
|-------------|--------|----------|
| SP216-12-NS | 13' | 110 lbs. |
| SP216-14-NS | 15' | 126 lbs. |

Pipe Mount Kit

This kit is used to add mounting pipes to sector frames and platforms.

- Mount to 3-1/2" pipes (i.e. pipe frames and platforms)
- Kits include U-bolts, saddle bracket, and antenna mounting pipe
- For other sizes use SP219 or SP219-H with antenna mounting pipe

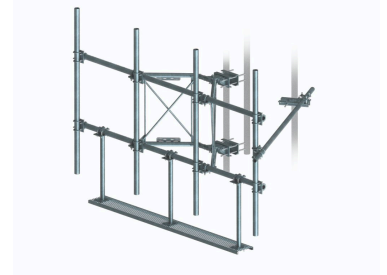


| Part # | Mounting Pipe | Weight |
|------------|---------------|---------|
| SP219-96 | 2-3/8" x 96" | 50 lbs. |
| SP219-126 | 2-3/8" x 126" | 60 lbs. |
| SP219-96H | 2-7/8" x 96" | 68 lbs. |
| SP219-120H | 2-7/8" x 120" | 86 lbs. |

Work Support Platform

This kit is used on T-arms to provide a safe work platform for technicians.

- 12" wide grating sections for workers to stand on
- For proper safety workers must be tied off to the monopole
- WP197 includes mounting hardware for square tube arms 3" to 4"
- WP197-10 includes hardware kit for attachment to horizontal face pipes 1-1/2" to 3-1/2" diameter
- WP197J-xx is an adjustable height working platform with direct attachment to mast pipes 2-3/8" - 2-7/8"



| Part # | Length | Weight |
|-----------|--------|----------|
| WP197 | 3' | 43 lbs. |
| WP197-10 | 10' | 166 lbs. |
| WP197J-10 | 10' | 102 lbs. |
| WP197J-12 | 12' | 115 lbs. |

PHH Series™ Port Hole Hanger

These hangers are used for cabling support as a clamp on solution.

- Hot-dip galvanized
- Fits 3", 3-1/2", 4" and 4-1/2" port rims
- 7/8" vertical clearance
- Accepts 1/4" shackles
- 1,200 lb vertical factored dead load per hanger

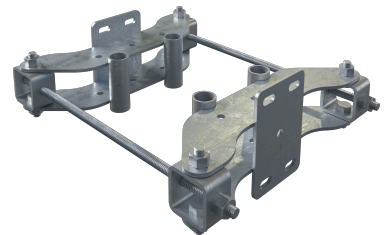


| Part # | # of Shackles | Weight |
|-------------|---------------|--------|
| PHH-AL | 0 | 4 lbs. |
| PHH-AL-SP14 | 2 | 6 lbs. |

Cable Support Collar

This ultra lightweight, low-profile collar mount allows for the attachment of cables and/or use with a small mast for things such as OVPs

- Mitigates localized stress and pole damage for improved structural integrity
- Vast flexibility with multi-weldment design
- Round-on-round configuration adapts to a pole for a snug and secure fit
- Accepts 1/2" U-Bolts to allow for the attachment of 1.9" to 2-7/8" O.D. pipe
- Pivot points between rods reduce shifted loading, ensuring balanced and stable installations
- Contact us for load and engineering data



| Part # | Sectors | Diameter | Weight |
|--------|---------|--------------------|---------|
| LPC2 | 2-Sided | 6-5/8" - 15" Round | 42 lbs. |
| LPC3 | 3-Sided | 6-5/8" - 36" Round | 73 lbs. |
| LPC4 | 4-Sided | 12" - 60" Round | 96 lbs. |

Cable Support Collar Overhang

This ultra-lightweight, low-profile collar mount allows for the attachment of cables with an overhang inside the monopole.

- Mitigates localized stress and pole damage for improved structural integrity
- Vast flexibility with multi-weldment design
- Round-on-round configuration adapts to a pole for a snug and secure fit
- Accepts 1/2" U-Bolts to allow for the attachment of 1.9" to 2-7/8" O.D. pipe
- Pivot points between rods reduce shifted loading, ensuring balanced and stable installations
- Overhang design includes hardware and pipe for cable attachment
- Contact us for load and engineering data



| Part # | Sectors | Diameter | Weight |
|--------|---------|--------------------|----------|
| CW-3T | 3-Sided | 6-5/8" - 36" Round | 136 lbs. |
| CW-4T | 4-Sided | 12" - 60" Round | 169 lbs. |

Rooftop Sites



Overview & Product Anatomy

The ConstructorSet™ system is built from precision-engineered components that work together to create a durable, adaptable mounting solution. This page highlights the key parts and how they fit together, so you can configure custom builds to match your site.

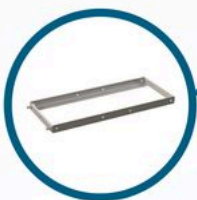
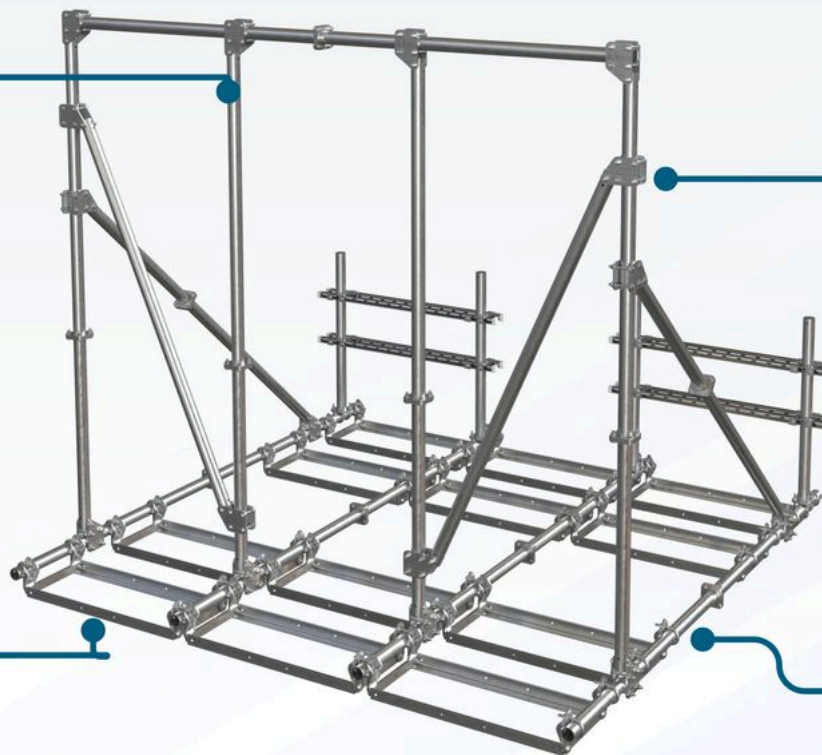
 **ConstructorSet**
Modular Rooftop Mounts

Connector Pipes

Schedule 40 pipe forms the round verticals, horizontals, and diagonals that create the face and bracing of the mount, with flanged pipe sections that bolt together end-to-end so you can customize length without cutting or custom fabrication.

Adjustable Pipe-End Connection Clamps

Plate-style fittings that join pipes together at the ends. Use for diagonals, horizontals, or verticals. Clamp to standard connector pipes, and pivot for quick angle adjustment.



Ballast Trays

The frame's footprint. Distributes roof load, accepts tie-down kits, and provides simple attachment points for tray-to-pipe adapters. Works on flat or sloped roofs.



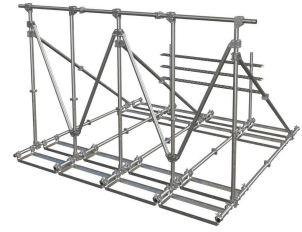
Tray-to-Pipe Adapters

Connect ballast trays to connector pipes using U-bolts for a fast, secure attachment. Kits include mounting hardware and come in both standard and wide versions to provide added stability.

16' Constructor Set™ Frames

The innovative Constructor Set™ Rooftop Mounts feature easy setup and transportation for even the most difficult to access rooftop sites.

- Bolt-together design, all hardware is 1/2"
- All members are 96" or less in length for easy transport in elevators
- Maximum member weight is 70 lb
- Innovative design easily adjusts to sloped roofs



| Part # | Mounting Pipes | Footprint | Mats Required | RRU Rack | Weight |
|----------------|----------------|-----------------|---------------|----------|-----------|
| CSRT5-161016-R | 5 | 193-1/2" x 192" | 16 | Yes | 2771 lbs. |
| CSRT5-161016 | 5 | 193-1/2" x 192" | 16 | No | 2551 lbs. |

| Part # | Description | Weight |
|----------|---|---------|
| MAT18 | Rubber Mat 18" x 48" | 16 lbs. |
| MAT18 | Rubber Mats | 16 lbs. |
| CSRT-BTD | Chain-Type Ballast Tie-Down Kit for Single Ballast Tray | 12 lbs. |

12' Constructor Set™ Frames

The innovative Constructor Set™ Rooftop Mounts feature easy setup and transportation for even the most difficult to access rooftop sites.

- Bolt-together design, all hardware is 1/2"
- All members are 96" or less in length for easy transport in elevators
- Maximum member weight is 70 lb
- Innovative design easily adjusts to sloped roofs



| Part # | Mounting Pipes | Footprint | Mats Required | RRU Rack | Weight |
|----------------|----------------|-----------------|---------------|----------|-----------|
| CSRT4-121012 | 4 | 145-1/4" x 144" | 12 | No | 1788 lbs. |
| CSRT4-121012-R | 4 | 145-1/4" x 144" | 12 | Yes | 2005 lbs. |

| Part # | Description | Weight |
|----------|---|---------|
| MAT18 | Rubber Mat 18" x 48" | 16 lbs. |
| MAT18 | Rubber Mats | 16 lbs. |
| CSRT-BTD | Chain-Type Ballast Tie-Down Kit for Single Ballast Tray | 12 lbs. |

8' Constructor Set™ Frames

The innovative Constructor Set™ Rooftop Mounts feature easy setup and transportation for even the most difficult to access rooftop sites.

- Bolt-together design, all hardware is 1/2"
- All members are 96" or less in length for easy transport in elevators
- Maximum member weight is 70 lb
- Innovative design easily adjusts to sloped roofs



| Part # | Mounting Pipes | Footprint | Mats Required | RRU Rack | Weight |
|--------------|----------------|----------------|---------------|----------|-----------|
| CSRT3-8108 | 3 | 97-3/4" x 96" | 6 | No | 1069 lbs. |
| CSRT3-8108-R | 3 | 97-3/4" x 96" | 6 | Yes | 1218 lbs. |
| CSRT2-8108-R | 2 | 93-3/16" x 96" | 6 | Yes | 962 lbs. |
| CSRT2-8108 | 2 | 93-3/16" x 96" | 6 | No | 813 lbs. |

| Part # | Description | Weight |
|----------|---|---------|
| MAT18 | Rubber Mat 18" x 48" | 16 lbs. |
| MAT18 | Rubber Mats | 16 lbs. |
| CSRT-BTD | Chain-Type Ballast Tie-Down Kit for Single Ballast Tray | 12 lbs. |

Constructor Set™ Multi-Sided Rooftop Mounts

The innovative Constructor Set™ Rooftop Mounts feature easy setup and transportation for even the most difficult-to-access rooftop sites.

- For the most difficult to access rooftop sites
- Available in 2-sided (corner) and 3-sided (penthouse) versions
- Bolt-together design, all hardware is 1/2"
- Maximum member weight 70 lb



| Part # | # of Faces | Face Width | Mounting Pipes | Footprint | Mats Required | Weight |
|---------------|------------|------------|-------------------|-------------|---------------|-----------|
| CSRT-24-81212 | 2 | 12'-6" | (8) 2-7/8" x 96" | 150" x 150" | 9 | 2160 lbs. |
| CSRT-34-81212 | 3 | 12'-6" | (12) 2-7/8" x 96" | 150" x 150" | 9 | 2670 lbs. |

| Part # | Description | Weight |
|----------|---|---------|
| MAT18 | Rubber Mat 18" x 48" | 16 lbs. |
| MAT18 | Rubber Mats | 16 lbs. |
| CSRT-BTD | Chain-Type Ballast Tie-Down Kit for Single Ballast Tray | 12 lbs. |

Constructor Set™ Tripod Rooftop Mounts

The innovative CSRT Series™ Rooftop Mounts feature easy setup and transportation for even the most difficult to access rooftop sites.

- For the most difficult to access rooftop sites
- 2-7/8" x 96" mast
- Bolt-together design, all hardware is 1/2"
- Maximum member weight 70 lb



| Part # | Mounting Pipe | Footprint | Mats Required | Weight |
|--------------|---------------|-----------|---------------|----------|
| CSRT-1C-1088 | 2-7/8" x 96" | 96" x 96" | 4 | 620 lbs. |

| Part # | Description | Weight |
|----------|---|---------|
| MAT18 | Rubber Mat 18" x 48" | 16 lbs. |
| MAT18 | Rubber Mats | 16 lbs. |
| CSRT-BTD | Chain-Type Ballast Tie-Down Kit for Single Ballast Tray | 12 lbs. |



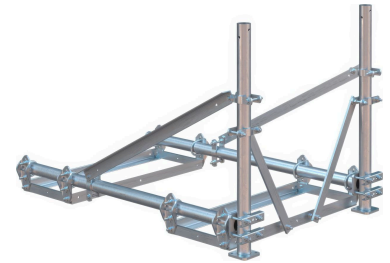
Constructor Set™ Small Ballast Mounts

The innovative Constructor Set™ Rooftop Mounts feature easy setup and transportation for even the most difficult-to-access rooftop sites.

- For the most difficult to access rooftop sites
- Bolt-together design, all hardware is 1/2"
- All members are 96" or less in length for transport in elevators
- Maximum member weight 70 lb
- Mounting pipe extensions not included
- Small footprint to maximize available space



| Part # | Mounting Pipe | Footprint | Mats Required | Weight |
|------------|------------------|-----------|---------------|----------|
| CSRT-1D-SB | (1) 2-7/8" x 48" | 36" x 48" | 2 | 190 lbs. |
| CSRT3-SB | (2) 2-7/8" x 48" | 36" x 72" | 2 | 319 lbs. |



Constructor Set™ Rooftop Mast

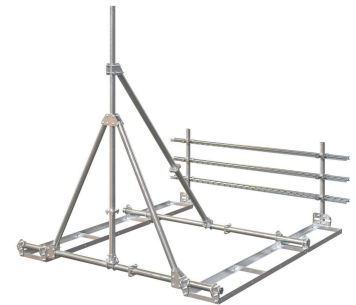
The innovative Constructor Set™ Rooftop Mounts feature easy setup and transportation for even the most difficult-to-access rooftop sites.

- For the most difficult to access rooftop sites
- Bolt-together design, all hardware is 1/2"
- All members are 96" or less in length for transport in elevators
- Maximum member weight 70 lb
- RRU mount included



| Part # | Mounting Pipe | Footprint | Mats | RRU Mounts | Weight |
|---------------|---------------|-------------|------|------------|----------|
| CSRT1-10-RRU | 2-7/8" x 10' | 120" x 96" | 4 | 1 | 640 lbs. |
| CSRT1D-10-RRU | 2-7/8" x 10' | 120" x 140" | 6 | 1 | 750 lbs. |

| Part # | Description | Weight |
|----------|---|---------|
| MAT18 | Rubber Mat 18" x 48" | 16 lbs. |
| MAT18 | Rubber Mats | 16 lbs. |
| CSRT-BTD | Chain-Type Ballast Tie-Down Kit for Single Ballast Tray | 12 lbs. |



Fully Modular. Build It Your Way.

ConstructorSet
Modular Rooftop Mounts

The fully modular design of the ConstructorSet™ lets you create custom frames for nearly any site. Explore the five Build Zones below. Work in the order that fits your project, or follow the recommended sequence.



Build Zone 1



Base Tray Layout

Select your ballast trays and tray-to-pipe adapters to configure the layout based on the required footprint on the rooftop.



Build Zone 2



Base Pipe Layout

Select all of the necessary pipes based on the chosen ballast trays, desired face width, or the required antenna separation space.



Build Zone 3



Vertical Face Pipe Layout

Configure the face of the mount by using a unique combination of components. Add vertical pipes to direct-mount antennas, or add horizontal pipes to create a frame for adjustable antenna positions.



Build Zone 4



Diagonal Support Layout

Here, you would add diagonal pipes to stabilize your frame and add additional support. We recommend stabilizing in both normal and tangential directions.



Build Zone 5

Getting Creative

At this point, you can add any necessary accessories to support radio and antenna mounting, cable management, and other requirements.

Ballast Trays

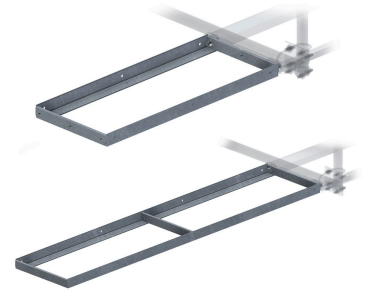
These kits are used to provide additional ballast to non-penetrating rooftop mounts.

- Available in 4' and 8' versions
- Includes hardware for bolting to existing ballast trays



| Part # | Tray Dimensions | Mats Required | Weight |
|--------|-----------------|---------------|---------|
| TA4-S | 18" x 48" | 1 | 38 lbs. |
| TA8-S | 18" x 96" | 2 | 69 lbs. |

| Part # | Description | Weight |
|--------|----------------------|---------|
| MAT18 | Rubber Mat 18" x 48" | 16 lbs. |
| MAT18 | Rubber Mats | 16 lbs. |



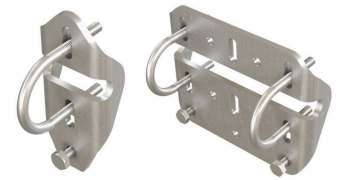
Tray-to-Pipe Adapters

These adapters enable attachment to 2-7/8" OD connector pipes via u-bolts.

- Attaches to 2-7/8" pipes
- Includes 0.5" attachment hardware to ballast trays
- Wide version for added stability available



| Part # | Mounting Pipe | Edition | Connection | Weight |
|-----------|---------------|----------|----------------|---------|
| CSRT-PCB | 2-7/8" | Standard | (1) 1/2" Bolt | 5 lbs. |
| CSRT-PCBW | 2-7/8" | Wide | (2) 1/2" Bolts | 12 lbs. |



Adjustable Pipe-End Connection Clamps

These plate clamps enable adjustable pipe-to-pipe connections such as diagonals, horizontals, or verticals.

- Attaches to 2-7/8" connector pipes
- Includes 0.5" attachment hardware
- Easily pivots from one thru bolt



| Part # | Mounting Pipe | Pipe Connections | Weight |
|------------|---------------|------------------|---------|
| CSRT-GP30 | 2-7/8" | Single | 11 lbs. |
| CSRT-GP30D | 2-7/8" | Double | 13 lbs. |



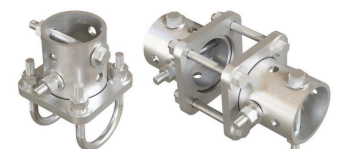
Fixed Pipe-End Connection Clamps

These weldments allow "T" or end connections for connector pipes.

- Attaches to 2-7/8" connector pipes
- Includes 0.5" attachment hardware
- Additional holes for universal connection



| Part # | Mounting Pipe | Pipe Connections | Weight |
|----------|---------------|------------------|---------|
| CSRT-TW1 | 2-7/8" | Single | 11 lbs. |
| CSRT-TW2 | 2-7/8" | Double | 13 lbs. |



Flange Pipes

These flange connector pipes enable you to create various lengths by bolting them together.

- Constructed with 2-7/8" SCH. 40 pipe
- Available in 2' increments
- Includes 0.5" flange attachment hardware



| Part # | Length | Outside Diameter (OD) | Schedule | Weight |
|-------------|--------|-----------------------|----------|---------|
| CSRT-3024FW | 24" | 2-7/8" | 40 | 16 lbs. |
| CSRT-3048FW | 48" | 2-7/8" | 40 | 28 lbs. |
| CSRT-3072FW | 72" | 2-7/8" | 40 | 40 lbs. |
| CSRT-3096FW | 96" | 2-7/8" | 40 | 53 lbs. |



Connector Pipes

Connector pipe that is used to create diagonals and horizontals.

- Constructed with 2-7/8" SCH. 40 pipe
- Available in 2' increments
- Includes holes for 0.5" hardware
- Hardware not included



| Part # | Length | Outside Diameter (OD) | Schedule | Weight |
|-----------|--------|-----------------------|----------|---------|
| CSRT-3024 | 24" | 2-7/8" | 40 | 13 lbs. |
| CSRT-3048 | 48" | 2-7/8" | 40 | 25 lbs. |
| CSRT-3072 | 72" | 2-7/8" | 40 | 37 lbs. |
| CSRT-3096 | 96" | 2-7/8" | 40 | 50 lbs. |



RRU Racks

Easily add RRU racks to any Constructor Set™ configuration.

- Includes strut and attachment hardware
- Available in 5' and 10' lengths
- Additional strut rows can be added



| Part # | Length | Height | Struts | Weight |
|---------------|--------|--------|--------|----------|
| CSRT-RRU2-45 | 60" | 48" | 4 | 109 lbs. |
| CSRT-RRU2-410 | 120" | 48" | 4 | 149 lbs. |



Square Strut

This versatile strut can be used to solve a variety of cable support issues at a communication site.

- 1-5/8" x 1-5/8" heavy-duty 12 ga slotted square strut
- Available in electro galvanized, hot-dip galvanized, and stainless steel versions



| Part # | Length | Slot Size | Spacing | Finish | Weight |
|--------|--------|----------------|---------|--------------------|---------|
| UNT5 | 60" | 7/16" x 3" | 4" | Electro Galvanized | 8 lbs. |
| UNT10 | 120" | 9/16" x 1-1/8" | 2" | Electro Galvanized | 19 lbs. |



Rubber Mats

Rubber mats are used as a protective barrier between roofing materials and steel footpads.

- Available in our PIM Shield® Product Guide
- Each footpad and jack requires rubber mats for rooftop applications
- Includes ballast tray attaching hardware only for 6 ballast trays
- Manufactured from UV-resistant 1/2" thick rubber

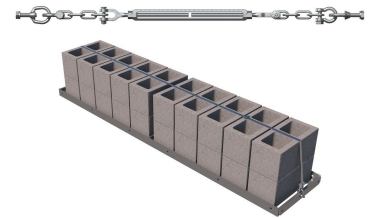


| Part # | Size | Weight |
|--------|-----------|---------|
| MAT18 | 18" x 48" | 16 lbs. |

Ballast Tie-Down Kit for Non-Penetrating Rooftop Mounts

This tie-down kit is used to secure the ballast for non-penetrating rooftop mounts.

- Banding-type ballast tie-down kit
- Includes ballast tray attaching hardware only for 6 ballast trays
- BAND-BTD includes banding



| Part # | Weight |
|----------|---------|
| CSRT-BTD | 12 lbs. |

Non-Penetrating Rooftop Angle Frames

These rooftop angle frames are non-penetrating and easy to assemble.

- Available with or without antenna mounting pipes
- Welded trays for easy assembly
- Standard kit accepts 2-3/8" antenna mounting pipes
- For other size antenna mounting pipes purchase UPA-K universal pipe mount kit
- See our online assembly drawings for ballast equations at SitePro1.com



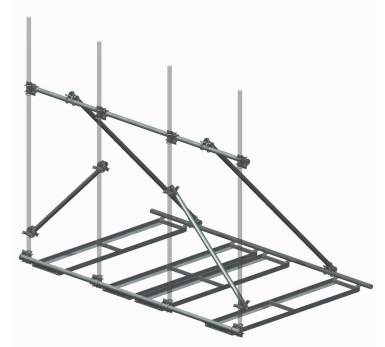
| Part # | Face Width | Mounting Pipes | Footprint | Mats Required | Weight |
|--------------|------------|-------------------|-------------|---------------|----------|
| RTW-7-2-96 | 7' | (2) 2-3/8" x 96" | 93"W x 98"D | 4 | 511 lbs. |
| RTW-7-2-126 | 7' | (2) 2-3/8" x 126" | 93"W x 98"D | 4 | 527 lbs. |
| RTW-10-3-96 | 10'-6" | (3) 2-3/8" x 96" | 93"W x 98"D | 4 | 562 lbs. |
| RTW-10-3-126 | 10'-6" | (3) 2-3/8" x 126" | 93"W x 98"D | 4 | 586 lbs. |
| RTW-12-3-96 | 12'-6" | (3) 2-3/8" x 96" | 93"W x 98"D | 4 | 576 lbs. |
| RTW-12-3-126 | 12'-6" | (3) 2-3/8" x 126" | 93"W x 98"D | 4 | 600 lbs. |
| RTW-12-4-96 | 12'-6" | (4) 2-3/8" x 96" | 93"W x 98"D | 4 | 604 lbs. |
| RTW-12-4-126 | 12'-6" | (4) 2-3/8" x 126" | 93"W x 98"D | 4 | 636 lbs. |

| Part # | Description | Weight |
|----------|--|---------|
| CSRT-BTD | Chain-Type Ballast Tie-Down Kit for Single Ballast Tray | 12 lbs. |
| UPA-K | Non-Penetrating Rooftop Angle Frames (Univ Pipe Mount Kit) | 16 lbs. |

Non-Penetrating Rooftop Pipe Frames

These rooftop pipe frames are non-penetrating and easy to assemble.

- Perfect for larger loads like multiple RRU's or antennas
- Available with or without antenna mounting pipes
- Welded trays for easy assembly
- Standard kits accept 2-3" antenna mounting pipes
- For other size antenna mounting pipes purchase SCX7-U universal crossover plate kits
- If additional ballast capacity is required use ballast tray add-on kits
- Purchase rubber mats separately
- See our online assembly drawings for ballast equations at SitePro1.com



| Part # | Face Width | Mounting Pipes | Footprint | Mats Required | Weight |
|------------|------------|-------------------|------------|---------------|-----------|
| RTP10-496 | 10' - 6" | (4) 2-3/8" x 96" | 92" x 126" | 6 | 694 lbs. |
| RTP10-4126 | 10' - 6" | (4) 2-3/8" x 126" | 92" x 126" | 6 | 735 lbs. |
| RTP12-496 | 12' - 6" | (4) 2-3/8" x 96" | 92" x 150" | 8 | 943 lbs. |
| RTP12-4126 | 12' - 6" | (4) 2-3/8" x 126" | 92" x 150" | 8 | 1029 lbs. |
| RTP14-496 | 14' - 6" | (4) 2-3/8" x 96" | 92" x 174" | 12 | 1060 lbs. |
| RTP14-4126 | 14' - 6" | (4) 2-3/8" x 126" | 92" x 174" | 12 | 1019 lbs. |

| Part # | Description | Weight |
|----------|---|---------|
| MAT18 | Rubber Mat 18" x 48" | 16 lbs. |
| MAT18 | Rubber Mats | 16 lbs. |
| CSRT-BTD | Chain-Type Ballast Tie-Down Kit for Single Ballast Tray | 12 lbs. |
| SCX7-U | Universal Crossover Plate Kits | 16 lbs. |

Non-Penetrating Rooftop Frames with RRU Mounts

These rooftop pipe frames are non-penetrating, easy to assemble and include integral RRU mounts.

- Available in our PIM Shield® Product Guide
- Similar to our standard non-penetrating rooftop pipe frames, but include a rear RRU mounting frame
- Standard kits include four 2-3/8" x 174" antenna mounting pipes
- NP kits include hardware for 2-3/8" antenna mounting pipes; purchase antenna mounting pipes separately
- If using other size antenna mounting pipes purchase SCX7-U universal crossover plate kits
- Welded trays for easy assembly
- If additional ballast capacity is required use ballast tray add-on kits
- Purchase rubber mats separately
- See our online assembly drawings for ballast equations at SitePro1.com



| Part # | Face Width | Mounting Pipes | Footprint | Mats Required | Weight |
|------------|------------|-------------------|------------|---------------|-----------|
| RTP10-3RRU | 10'-6" | (4) 2-3/8" x 174" | 92" x 126" | 6 | 1049 lbs. |
| RTP12-3RRU | 12'-6" | (4) 2-3/8" x 174" | 92" x 150" | 8 | 1108 lbs. |
| RTP14-3RRU | 14'-6" | (4) 2-3/8" x 174" | 92" x 174" | 12 | 1375 lbs. |

| Part # | Description | Weight |
|----------|---|---------|
| MAT18 | Rubber Mat 18" x 48" | 16 lbs. |
| MAT18 | Rubber Mats | 16 lbs. |
| CSRT-BTD | Chain-Type Ballast Tie-Down Kit for Single Ballast Tray | 12 lbs. |
| SCX7-U | Universal Crossover Plate Kits | 16 lbs. |

Non-Penetrating Rooftop RRU Mounts

These rooftop mounts are non-penetrating, easy to assemble and include unistrut for RRU mounting.

- RT-RRU5HD is designed for 8 RRU mounting locations
- RT-RRU10HD is designed for 14 RRU mounting locations
- Horizontals are 12 gauge galvanized slotted unistrut for direct mounting
- Suitable for mounting RRU's on both sides
- If additional ballast capacity is required use ballast tray add-on kits
- Purchase rubber mats separately
- See our online assembly drawings for ballast equations at SitePro1.com



| Part # | Face Width | Footprint | Mats Required | Weight |
|------------|------------|-----------|---------------|----------|
| RT-RRU5HD | 5' | 55" x 63" | 2 | 282 lbs. |
| RT-RRU10HD | 10' | 84" x 98" | 4 | 398 lbs. |

| Part # | Description | Weight |
|----------|---|---------|
| MAT18 | Rubber Mat 18" x 48" | 16 lbs. |
| MAT18 | Rubber Mats | 16 lbs. |
| CSRT-BTD | Chain-Type Ballast Tie-Down Kit for Single Ballast Tray | 12 lbs. |

ROOFTOP MOUNTS

Non-Penetrating Tripod

This heavy-duty mount is non-penetrating and accepts a variety of pipe diameters.

- Welded trays for quick assembly
- Accepts 2-3/8" - 4-1/2" mast pipes
- Order pipe and rubber mats separately
- See our online assembly drawings for ballast equations at SitePro1.com



| Part # | Description | Weight |
|---------|------------------------|----------|
| TRPD-HD | Non-Penetrating Tripod | 400 lbs. |

| Part # | Description | Weight |
|----------|---|---------|
| MAT18 | Rubber Mat 18" x 48" | 16 lbs. |
| MAT18 | Rubber Mats | 16 lbs. |
| CSRT-BTD | Chain-Type Ballast Tie-Down Kit for Single Ballast Tray | 12 lbs. |

Penetrating Tripod

This heavy-duty mount is penetrating and accepts a variety of pipe diameters.

- Accepts 2-3/8" - 4-1/2" mast pipes
- Order pipe separately
- 1/2" x 3" stainless wedge anchors included



| Part # | Description | Weight |
|-------------|--------------------|----------|
| TRPD-HD-PEN | Penetrating Tripod | 174 lbs. |

Penetrating Rooftop Mounts

These rooftop mounts are penetrating, easy to assemble and include mounting pipe attachment hardware.

- 2-3/8" OD by 10'-6" or 12'-6" face widths hold up to four panel antennas
- Unique angle iron base eliminates weep hole and pitch pockets
- Include attaching hardware to mount up to four 2-3/8" or 2-7/8" OD antenna mounting pipes



| Part # | Description | Weight |
|--------|---|----------|
| TP1-10 | 10' Single-Sector Penetrating Rooftop Mount | 487 lbs. |
| TP1-12 | 12' Single-Sector Penetrating Rooftop Mount | 500 lbs. |

Water Tank Tripod Mount & Penetrating Roof Mount

These mounts penetrating and are ideal for use on both rooftops and water tanks.

- Welds on top water tanks or bolts to rooftops with 1/2" bolts
- 2-3/8" x 96" mast
- Bracket slides for easy adjustment to sloped surfaces



| Part # | Application | Weight |
|--------|-------------------|----------|
| WTT96 | Water Tank Tripod | 114 lbs. |

Rooftop Parapet Overhang Mounts

These rooftop mounts are non-penetrating, easy to assemble and are designed for use with parapet walls.

- Non-penetrating design, small and large versions available
- Designed for parapet walls 24"-58" high
- Purchase 2-3/8" antenna mounting pipes separately
- If additional ballast capacity is required use ballast tray add-on kits
- Purchase rubber mats separately
- See our online assembly drawings for ballast equations

| Part # | Footprint | Mats Req | Weight |
|--------|---|----------|----------|
| RPO-S | 52" x 63" | 2 | 283 lbs. |
| RPO-L | 84" x 92" | 4 | 370 lbs. |
| BHD5-K | (RPO-S) Ballast Tie Down Kit 2 Required | --- | 6 lbs. |



Rooftop Flushmount Overhang Mounts

This product provides a sturdy, non-penetrating rooftop mounting solution.

- Non-penetrating design
- Small and large versions available
- Purchase 2-3/8" antenna mounting pipes separately
- Purchase Rubber Mats separately
- Call or see our online assembly drawings for ballast equations

| Part # | Footprint | Mats Req | Weight |
|--------|-----------|----------|----------|
| RFO-S | 52" x 63" | 2 | 180 lbs. |
| RFO-L | 84" x 92" | 4 | 278 lbs. |



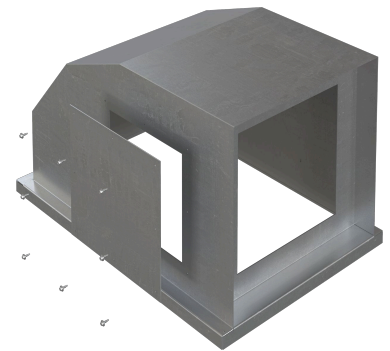
Rooftop Hood Entry

This hood entry provides a weather-resistant rooftop entry for cable runs.

- Pre-assembled; hot-dip galvanized steel
- Bottom opening 26" x 41"; front opening 20.5" x 20.5"; side opening 16" x 16"
- Overall dimensions: 48-1/2" L x 33-3/4" W x 31-3/4" H
- Order entry panels separately



| Part # | Application | Weight |
|--------|--------------|----------|
| SP365G | Rooftop Hood | 250 lbs. |



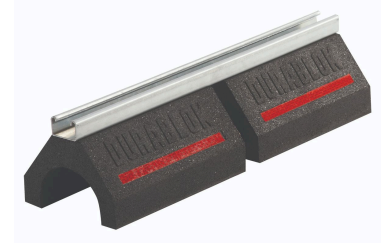
ROOFTOP CABLE

Cooper B-Line Dura-Blok™

These rubber blocks are used for rooftop cable support systems.

- Made from 100% recycled rubber
- Does not require a separate rubber mat to protect the roof
- Includes 14 gauge galvanized channel, 1" high
- Strut attachment hardware sold separately

| Part # | Height | Width | Length | Weight |
|--------|--------|-------|--------|--------|
| DB5 | 5" | 6" | 4.8" | 3 lbs. |
| DB10 | 5" | 6" | 9.6" | 5 lbs. |
| DB20 | 5" | 6" | 20.2" | 5 lbs. |

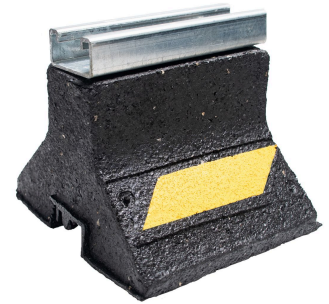


Rubber Rooftop Supports

These rubber blocks are used for rooftop cable support systems.

- Small rubber supports provide an economic alternative for rooftop cable support
- 100% recycled rubber does not require a separate rubber mat
- C5-B: UV-resistant strut 1-5/8" wide by 7/8" tall with a max load of 300 lb
- C10 & C20: UV-resistant strut 1-5/8" wide by 13/16" tall with a max load of 750 lb
- Strut attachment hardware sold separately

| Part # | Height | Width | Length | Weight |
|--------|--------|-------|--------|---------|
| C5-B | 4-7/8" | 6" | 5" | 2 lbs. |
| C10 | 4-7/8" | 6" | 9.6" | 5 lbs. |
| C20 | 4-7/8" | 6" | 19.2" | 11 lbs. |



Adjustable Splices for Rooftop Cable Kits

These splices are used to join sections of cable kits.

- Use to make up to a 45° bend
- Hot-dip galvanized
- Includes hardware

| Part # | Application | Weight |
|--------|---------------------------|---------|
| SP1573 | 0-45° splice, 4-Run Kits | 3 lbs. |
| SP1574 | 0-45° splice, 8-Run Kits | 11 lbs. |
| SP1597 | 0-45° splice, 12-Run Kits | 39 lbs. |



Sleeper Pads

These pads provide protection for rooftops and keep sleepers in position.

- Manufactured from UV-resistant 1/4" thick rubber

| Part # | Size | Weight |
|--------|----------|---------|
| RP4 | 4" x 10' | 6 lbs. |
| RP8 | 8" x 10' | 12 lbs. |



PVC Rooftop Sleepers

These sleepers are used with the rooftop cable support kits.

- Manufactured from durable 4" x 4" UV-resistant PVC
- Available pre-cut and pre-punched with snap-in holes; also available in blank 8' lengths

| Part # | # of Runs | Length | Weight |
|---------|-----------|---------|---------|
| SLPR4 | 4 | 22" | 3 lbs. |
| SLPR8 | 8 | 31-7/8" | 4 lbs. |
| SLPR12 | 12 | 43-3/8" | 5 lbs. |
| SLBLANK | No Holes | 8' | 12 lbs. |



Rooftop Cable Run T-Stands

These cable run stands enable the support of horizontal runs on rooftops.

- Galvanized steel
- Base plates are 1/2" x 12" x 12" with 9/16" holes
- Includes ladder mounting hardware
- Cable ladder sold separately
- TL24-NP is sold without the horizontal pipe for custom applications; purchase 2-3/8" pipe separately
- 1/2" wedge anchors sold separately

| Part # | # of Runs | Height | Width | Use with Ladder | Weight |
|---------|-----------|--------|--------|-----------------|---------|
| TL24-14 | 4 | 24" | 14.5" | WCL4 | 60 lbs. |
| TL24-20 | 6 | 24" | 21" | WCL6 | 60 lbs. |
| TL24-NP | Custom | 24" | Custom | Custom | 40 lbs. |



Rooftop Cable Support Kits

These cable kits are used to protect cables on rooftops.

- Self-splicing cover eliminates need for splices
- Heavy-duty 12 gauge galvanized steel
- Each kit includes three sleepers and hardware
- Cover height is 3-1/2"
- SP1595 uses two covers side by side



| Part # | # of Runs | Cover Size | Weight |
|--------|-----------|--------------|----------|
| SP1542 | 4 | 11-1/2" x 8' | 100 lbs. |
| SP1543 | 8 | 21-1/2" x 8' | 91 lbs. |
| SP1595 | 12 | 33" x 8' | 200 lbs. |

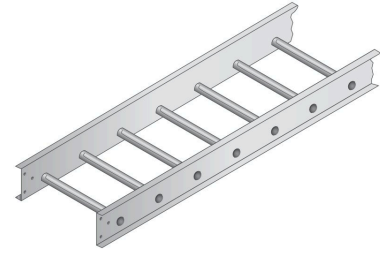


ALUMINUM CABLE TRAY

Straight Aluminum Cable Tray

These products are used to support rooftop cable runs.

- 5" side rails with 4" loading depth
- 9" rung spacing
- Each 12' section includes splices and hardware
- 3/4" lip on both sides
- Ships from select locations

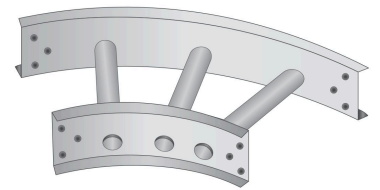


| Part # | Size | Type | Weight |
|-------------|-----------|-------|---------|
| LT-06-4D | 6" x 12' | Tray | 15 lbs. |
| LT-VSS-06-A | 6" x 12' | Cover | 5 lbs. |
| LT-09-4D | 9" x 12' | Tray | 17 lbs. |
| LT-VSS-09-A | 9" x 12' | Cover | 7 lbs. |
| LT-12-4D | 12" x 12' | Tray | 19 lbs. |
| LT-VSS-12-A | 12" x 12' | Cover | 8 lbs. |
| LT-18-4D | 18" x 12' | Tray | 22 lbs. |
| LT-VSS-18-A | 18" x 12' | Cover | 11 lbs. |
| LT-24-4D | 24" x 12' | Tray | 23 lbs. |
| LT-VSS-24-A | 24" x 12' | Cover | 15 lbs. |

45° Horizontal Bends

This bend provides a 45° angle bend when connecting cable tray sections.

- Each section includes splice plates and hardware
- Matching cover listed below



| Part # | Description | Type | Weight |
|--------------|----------------|-------|--------|
| LT-C45-06-4D | 6" (45° Bend) | Tray | 2 lbs. |
| LT-V45-06-A | 6" (45° Bend) | Cover | 1 lb. |
| LT-C45-09-4D | 9" (45° Bend) | Tray | 3 lbs. |
| LT-V45-09-A | 9" (45° Bend) | Cover | 1 lb. |
| LT-C45-12-4D | 12" (45° Bend) | Tray | 3 lbs. |
| LT-V45-12-A | 12" (45° Bend) | Cover | 1 lb. |
| LT-C45-18-4D | 18" (45° Bend) | Tray | 4 lbs. |
| LT-V45-18-A | 18" (45° Bend) | Cover | 2 lbs. |
| LT-C45-24-4D | 24" (45° Bend) | Tray | 5 lbs. |
| LT-V45-24-A | 24" (45° Bend) | Cover | 3 lbs. |

90° Horizontal Bends

This bend provides a 90° angle bend when connecting cable tray sections.

- Each section includes splice plates and hardware
- Matching cover listed below

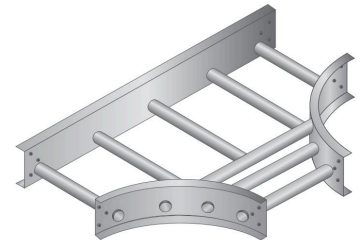


| Part # | Description | Type | Weight |
|--------------|----------------|-------|--------|
| LT-C90-06-4D | 6" (90° Bend) | Tray | 4 lbs. |
| LT-V90-06-A | 6" (90° Bend) | Cover | 2 lbs. |
| LT-C90-09-4D | 9" (90° Bend) | Tray | 5 lbs. |
| LT-V90-09-A | 9" (90° Bend) | Cover | 2 lbs. |
| LT-C90-12-4D | 12" (90° Bend) | Tray | 6 lbs. |
| LT-V90-12-A | 12" (90° Bend) | Cover | 3 lbs. |
| LT-C90-18-4D | 18" (90° Bend) | Tray | 7 lbs. |
| LT-V90-18-A | 18" (90° Bend) | Cover | 4 lbs. |
| LT-C90-24-4D | 24" (90° Bend) | Tray | 8 lbs. |
| LT-V90-24-A | 24" (90° Bend) | Cover | 6 lbs. |

Horizontal T-Junctions

This junction enables the connection of multiple cable tray sections.

- Each section includes splices and hardware
- Matching cover listed below

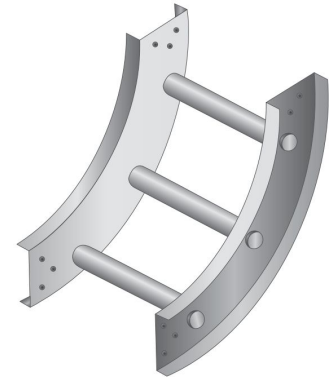


| Part # | Description | Type | Weight |
|-------------|------------------|-------|---------|
| LT-TJ-06-4D | 6" (T-Junction) | Tray | 8 lbs. |
| LT-VTJ-06-A | 6" (T-Junction) | Cover | 6 lbs. |
| LT-TJ-09-4D | 9" (T-Junction) | Tray | 9 lbs. |
| LT-VTJ-09-A | 9" (T-Junction) | Cover | 7 lbs. |
| LT-TJ-12-4D | 12" (T-Junction) | Tray | 10 lbs. |
| LT-VTJ-12-A | 12" (T-Junction) | Cover | 7 lbs. |
| LT-TJ-18-4D | 18" (T-Junction) | Tray | 11 lbs. |
| LT-VTJ-18-A | 18" (T-Junction) | Cover | 8 lbs. |
| LT-TJ-24-4D | 24" (T-Junction) | Tray | 13 lbs. |
| LT-VTJ-24-A | 24" (T-Junction) | Cover | 8 lbs. |

Inside 90° Vertical Risers

This riser enables the horizontal to vertical connection of cable tray sections.

- Each section includes splice plates and hardware
- Matching cover listed below

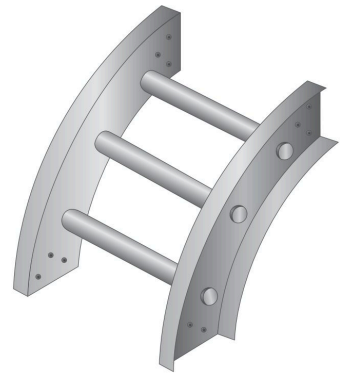


| Part # | Description | Type | Weight |
|---------------|--------------------------|-------|--------|
| LT-RI90-06-4D | 6" (Inside Vert. Riser) | Tray | 5 lbs. |
| LT-VRI90-06-A | 6" (Inside Vert. Riser) | Cover | 2 lbs. |
| LT-RI90-09-4D | 9" (Inside Vert. Riser) | Tray | 5 lbs. |
| LT-VRI90-09-A | 9" (Inside Vert. Riser) | Cover | 2 lbs. |
| LT-RI90-12-4D | 12" (Inside Vert. Riser) | Tray | 6 lbs. |
| LT-VRI90-12-A | 12" (Inside Vert. Riser) | Cover | 2 lbs. |
| LT-RI90-18-4D | 18" (Inside Vert. Riser) | Tray | 7 lbs. |
| LT-VRI90-18-A | 18" (Inside Vert. Riser) | Cover | 3 lbs. |
| LT-RI90-24-4D | 24" (Inside Vert. Riser) | Tray | 8 lbs. |
| LT-VRI90-24-A | 24" (Inside Vert. Riser) | Cover | 4 lbs. |

Outside 90° Vertical Risers

This riser enables the horizontal to vertical connection of cable tray sections.

- Each section includes splice plates and hardware
- Matching cover listed below



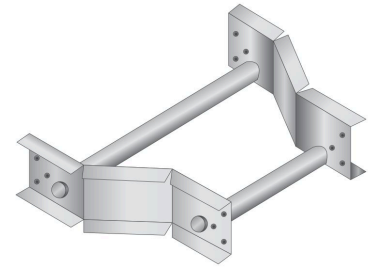
| Part # | Description | Type | Weight |
|---------------|---------------------------|-------|--------|
| LT-RO90-06-4D | 6" (Outside Vert. Riser) | Tray | 5 lbs. |
| LT-VRO90-06-A | 6" (Outside Vert. Riser) | Cover | 2 lbs. |
| LT-VRO90-09-A | 9" (Outside Vert. Riser) | Cover | 2 lbs. |
| LT-RO90-12-4D | 12" (Outside Vert. Riser) | Tray | 6 lbs. |
| LT-VRO90-12-A | 12" (Outside Vert. Riser) | Cover | 3 lbs. |
| LT-RO90-18-4D | 18" (Outside Vert. Riser) | Tray | 7 lbs. |
| LT-VRO90-18-A | 18" (Outside Vert. Riser) | Cover | 3 lbs. |
| LT-RO90-24-4D | 24" (Outside Vert. Riser) | Tray | 7 lbs. |
| LT-VRO90-24-A | 24" (Outside Vert. Riser) | Cover | 5 lbs. |

Straight Reducers

This reducer is used to connect cable tray sections.

- Used to mate smaller width tray to larger widths

| Part # | Description | Type | Weight |
|--------------|--------------------|-------|--------|
| 248-12ST-06 | 12" to 6" Reducer | Tray | 1 lb. |
| FS28-12ST-06 | 12" to 6" Reducer | Cover | 1 lb. |
| 248-12ST-09 | 12" to 9" Reducer | Tray | 1 lb. |
| FS28-12ST-09 | 12" to 9" Reducer | Cover | 1 lb. |
| 248-18ST-12 | 18" to 12" Reducer | Tray | 2 lbs. |
| FS28-18ST-12 | 18" to 12" Reducer | Cover | 1 lb. |
| 248-24ST-12 | 24" to 12" Reducer | Tray | 2 lbs. |
| FS28-24ST-12 | 24" to 12" Reducer | Cover | 1 lb. |
| 248-24ST-18 | 24" to 18" Reducer | Tray | 2 lbs. |
| FS28-24ST-18 | 24" to 18" Reducer | Cover | 1 lb. |



Channel Type Cover Connectors

These connectors secure covers to cable tray sections.

- Heavy-duty cover hold down
- Use in high wind applications
- Minimum of three cover connectors required per 12' cable tray section

| Part # | Description | Weight |
|-----------|---------------------|--------|
| 248-06-DC | 6" Cover Connector | 1 lb. |
| 248-09-DC | 9" Cover Connector | 1 lb. |
| 248-12-DC | 12" Cover Connector | 2 lbs. |
| 248-18-DC | 18" Cover Connector | 2 lbs. |
| 248-24-DC | 24" Cover Connector | 2 lbs. |

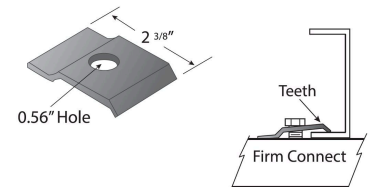


Ladder Hold-Down Clamp

This clamp is used to secure cable tray sections.

- Hold-down clamp accepts 1/2" hardware

| Part # | Description | Weight |
|--------|-----------------|--------|
| 9131 | Hold-Down Clamp | 1 lb. |

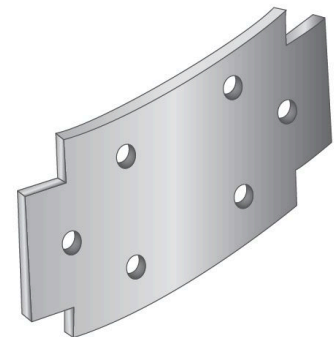


Ladder Splice Plates

This pair of splices is used to join cable tray sections.

- Splice plates are included with ladder sections, but also available separately; sold in pairs and include hardware

| Part # | Description | Weight |
|---------|--------------------------|--------|
| LT-SS-A | Pair of Straight Splices | 2 lbs. |

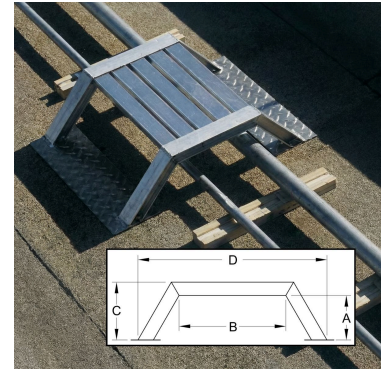


STEP OVERS

Aluminum Step-Over Kits

These step-over kits provide a safe means of access and egress over roof-mounted cable trays, conduit, ductwork, etc

- Aluminum construction keeps the weight down
- Heliarc-welded heavy-duty aluminum frames are rust and maintenance free
- Non-skid treads on platform are self-cleaning
- Load rating is 1,200 lb

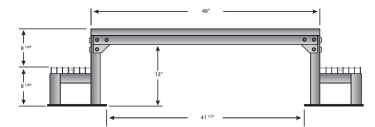
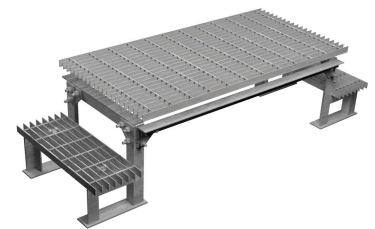


| Part # | A | B | C | D | Width | Foot Plates | Weight |
|---------|-----|-----|-----|-------|-------|-------------|---------|
| UB10-24 | 10" | 24" | 13" | 42.5" | 36" | 6" x 18" | 55 lbs. |
| UB10-36 | 10" | 36" | 13" | 48" | 18" | 6" x 18" | 65 lbs. |

Steel Step-Over Kits

These step-over kits provide a safe means of access and egress over roof-mounted cable trays, conduit, ductwork, etc

- Sturdy steel construction
- Minimal bolt-together assembly
- 24" wide safety grated non-skid surfaces
- All parts hot-dip galvanized

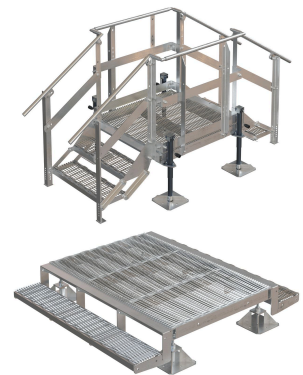


| Part # | Description | Weight |
|--------|--------------------------------|----------|
| STEP48 | Galvanized Steel Step-Over Kit | 175 lbs. |

Modular Steel Step-Over Kits

These step-over kits provide a safe means of access and egress over roof-mounted cable trays, conduit, ductwork, etc

- Hot-dip galvanized steel construction with non-skid expanded metal walking surfaces
- Available in a variety of sizes and configurations



| Part # | Description | Legs | Handrails | Steps | Height | Span | Weight |
|---------------|-------------------------------|----------|-----------|-------|------------|-------|-----------|
| MSO44-4SS1 | 4' W x 4' L Modular Stepmover | Footpads | No | 1 | 9" - 14.5" | 29.5" | 454 lbs. |
| MSO44-4JH16S2 | 4' W x 4' L Modular Stepmover | Jack | Yes | 2 | 9" - 24" | 29.5" | 965 lbs. |
| MSO46-6SS1 | 4' W x 6' L Modular Stepmover | Footpads | No | 1 | 9" - 14.5" | 53.5" | 542 lbs. |
| MSO46-6JH20S2 | 4' W x 6' L Modular Stepmover | Jack | Yes | 2 | 9" - 24" | 53.5" | 1137 lbs. |
| MSO48-8SS1 | 4' W x 8' L Modular Stepmover | Footpads | No | 1 | 9" - 14.5" | 77.5" | 630 lbs. |
| MSO48-8JH24S2 | 4' W x 8' L Modular Stepmover | Jack | Yes | 2 | 9" - 24" | 77.5" | 1278 lbs. |

| Part # | Description | Weight |
|--------|----------------------|---------|
| MAT18 | Rubber Mat 18" x 48" | 16 lbs. |
| MAT18 | Rubber Mats | 16 lbs. |

Wall Mounts & Chimney Mounts



Wall Mount Covered Cable Kits

This kits provides protection and coverage for wall mounted cable runs.

- Include galvanized covers and two wall mount brackets to support the cable
- Wall mount brackets are punched for snap-in hangers
- Covers are 8' long
- 12-run kits are one piece and no splicing is required
- Covers are 5-1/4" deep with a 3-1/4" loading depth
- Self-splicing design eliminates the need for splice plates!



| Part # | # of Runs | Size | Weight |
|--------|-----------|--------------|---------|
| WMC4 | 4 | 11-1/2" x 8' | 50 lbs. |
| WMC8 | 8 | 21-1/2" x 8' | 70 lbs. |
| WMC12 | 12 | 31" x 8' | 90 lbs. |

Deep Wall Mount Covered Cable Kits

This kits provides protection and coverage for wall mounted cable runs.

- Deeper covers allow use of stackable snap-ins
- Include galvanized covers and two wall mount brackets to support the cable
- Covers are 8' long
- Covers are 9" deep with a 7" loading depth
- Self-splicing design eliminates the need for splice plates!



| Part # | # of Snap-In Holes | Size | Weight |
|--------|-------------------------|--------------|---------|
| WMC4D | 4 (Stack up to 8 Runs) | 11-1/2" x 8' | 62 lbs. |
| WMC8D | 8 (Stack up to 16 Runs) | 21-1/2" x 8' | 82 lbs. |

Wall Mount Brackets

These brackets provide a means of attaching wall mounted cable runs.

- Included with wall mount kits, but also available separately
- Hot-dip galvanized
- 9/16" mounting holes for 1/2" hardware
- SP1586 two mounting holes 5-3/4" c-c spacing
- SP1587 three mounting holes 7-27/32" c-c spacing
- SP1588 three mounting holes 12-7/16" c-c spacing



| Part # | # of Runs | Size | Weight |
|--------|-----------|---------|---------|
| SP1586 | 4 | 11-1/4" | 4 lbs. |
| SP1587 | 8 | 21-1/4" | 7 lbs. |
| SP1588 | 12 | 30-1/2" | 10 lbs. |

Z-Bracket Wall Mounts

These brackets provide a means of attaching wall mounted cable runs.

- Pre-punched for snap-in and butterfly hangers
- Hot-dip galvanized
- 7/16" holes for 3/8" mounting hardware

| Part # | # of Runs | Size | Weight |
|--------|-----------|---------|--------|
| ZB12 | 4 | 11" | 3 lbs. |
| ZB24 | 8 | 21" | 5 lbs. |
| ZB36 | 12 | 32-1/2" | 8 lbs. |



Clamp Set Wall Mount

This mount provides an simple and economical means of mounting antennas to a wall.

- Antenna mounting pipes ordered separately
- Intended to support one panel, whip, or yagi antenna
- Mounts to solid or hollow walls
- Threaded rods are 5/8" x 24" HDG

| Part # | Pipe Size | Wall Thickness | Kit Qty. | Weight |
|--------|-------------|----------------|----------|---------|
| WM1665 | 1" - 4-1/2" | Up to 1' 2" | Kit of 2 | 26 lbs. |



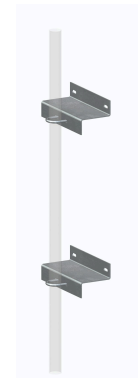
Cantilever Wall Mounts

These mounts provide a means of mounting panel antennas to a wall.

- The brackets are 14-1/2" wide and stand 2-3/4" or 6" off wall
- Accept 2-3/8", 2-7/8", or 3-1/2" antenna mounting pipes (sold separately)
- Include U-bolts for 2-3/8" antenna mounting pipe; order U-bolts for 2-7/8" or 3-1/2" antenna mounting pipes separately
- Order hardware to mount to hollow or solid walls
- Mounting holes 9/16" x 1-1/2" slots on 11-1/2" centers

| Part # | Description | Standoff | Weight |
|---------|--------------------------------------|----------|---------|
| SP250 | Two Cantilever Wall Mounts w/U-Bolts | 2-3/4" | 13 lbs. |
| SP250-6 | Two Cantilever Wall Mounts w/U-Bolts | 6" | 18 lbs. |

| Part # | Description | Weight |
|--------|-----------------------|--------|
| HWK12 | Hollow Wall Mount Kit | 4 lbs. |
| SWK12 | Solid Wall Mount Kit | 4 lbs. |



Angle Wall Mount Kits

This kit is used to attach panel and other small antennas to walls.

- Stands 3" or 4" off wall
- Kits include two brackets and U-bolts
- Order antenna mounting pipe separately
- Order hardware to mount to hollow or solid walls

| Part # | Pipe OD | Angle Size | Mounting Holes | Standoff | Weight |
|--------|---------|---------------|-----------------------|----------|---------|
| WMA238 | 2-3/8" | 3" x 3" x 15" | 11/16" on 12" centers | 3" | 24 lbs. |
| WMA300 | 2-7/8" | 3" x 3" x 15" | 11/16" on 12" centers | 3" | 24 lbs. |
| WMA312 | 3-1/2" | 4" x 4" x 24" | 11/16" on 21" centers | 4" | 57 lbs. |
| WMA412 | 4-1/2" | 4" x 4" x 24" | 11/16" on 21" centers | 4" | 57 lbs. |



Slider Bracket Wall Mount Kits

This kit is used to attach antennas to walls.

- Stands 11" off wall, 1' to pipe centerline
- Complete kits with U-bolts
- Order antenna mounting pipe separately
- Order hardware to mount to hollow or solid walls
- If 16" spacing between concrete anchors is required, order SBWM-16L long wall angle kit
- Mounting holes 13/16" x 1" slots on 12" centers

| Part # | Description | Pipe OD | Weight |
|---------|---------------------------------|-----------------|---------|
| SBWM | Two Slider Brackets w/ Hardware | 2-3/8" - 2-7/8" | 51 lbs. |
| SBWM-HD | Two Slider Brackets w/ Hardware | 3-1/2" - 4-1/2" | 53 lbs. |

| Part # | Description | Weight |
|----------|--|---------|
| SBWM-16L | Long Wall Angle Kit for Slider Bracket Wall Mount Kits | 17 lbs. |
| HWK58 | Hollow Wall Mount Kit | 8 lbs. |
| SWK58 | Solid Wall Mount Kit | 9 lbs. |



Slider Bracket Corner Mount Kits

This kit is used to attach antennas at 90° wall corners.

- 12-1/4" to pipe centerline
- Complete kits with U-bolts
- Order antenna mounting pipe separately
- Order hardware to mount to hollow or solid walls

| Part # | Description | Pipe OD | Weight |
|---------|----------------------------------|-----------------|----------|
| CWMM | Two Slider Bracket Corner Mounts | 2-3/8" - 2-7/8" | 96 lbs. |
| CWMM-HD | Two Slider Bracket Corner Mounts | 3-1/2" - 4-1/2" | 104 lbs. |

| Part # | Description | Weight |
|--------|----------------------------------|---------|
| HWK258 | Hollow Wall Mount Kit | 18 lbs. |
| SWK258 | Solid Wall Mount Kit, Heavy Duty | 18 lbs. |



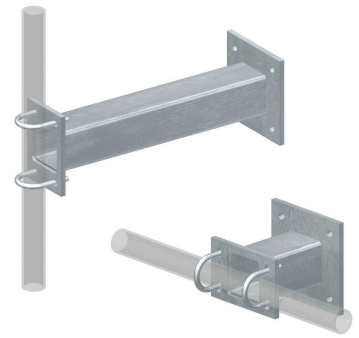
Standoff Wireless Wall Mounts

These mounts are used to install panel or whip antennas.

- Kits include U-bolts for 2-3/8" and 2-7/8" antenna mounting pipes
- Order antenna mounting pipe separately
- If mounting a 3-1/2" OD pipe, purchase U-bolts (UB1358) separately
- Wall plate is 1/2" thick by 8-1/2" square with four 11/16" holes on 6" centers
- Standoff is 4" x 3/16" square tube
- Order hardware to mount to hollow or solid walls

| Part # | Stand Off | Weight |
|--------|-----------|---------|
| WWM01 | 8" | 24 lbs. |
| WWM02 | 2' | 38 lbs. |
| WWM03 | 3' | 50 lbs. |

| Part # | Description | Weight |
|--------|-----------------------|--------|
| HWK58 | Hollow Wall Mount Kit | 8 lbs. |
| SWK58 | Solid Wall Mount Kit | 9 lbs. |



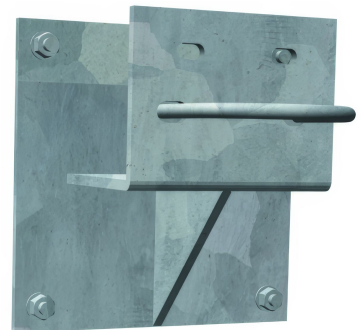
Heavy-Duty Wall Mount Brackets

These brackets provide a secure means of attaching antennas to walls.

- Accept 2-3/8" or 4-1/2" OD antenna mounting pipes
- Order U-bolts separately
- Full-size backing plates are included with hollow wall kits
- Solid-wall version includes stainless wedge anchors
- Standard models stand 4" off wall; extended models stand 12" off wall
- Mounting plate is 12" x 12" with 9/16" holes on 10" centers
- Order hardware to mount to hollow or solid walls

| Part # | Description | Qty. | Weight |
|----------|---------------------|----------|---------|
| SP221 | 4" Hollow Wall Kit | Kit of 2 | 59 lbs. |
| SP222 | 4" Solid Wall Kit | Kit of 2 | 34 lbs. |
| SP221-12 | 12" Hollow Wall Kit | Kit of 2 | 80 lbs. |
| SP222-12 | 12" Solid Wall Kit | Kit of 2 | 48 lbs. |

| Part # | Description | Weight |
|--------|-------------|--------|
| UB1212 | U-Bolts | 1 lb. |
| UB5458 | U-Bolts | 2 lbs. |



GPS Wall Mount

This mount provides a simple and secure means of attaching GPS antennas to walls.

- Versatile GPS mount is 4' long and stands 6" off the wall
- 1" OD mast with 3/4" NPT threaded end
- Mounting holes are 9/16" x 1" slots

| Part # | Description | Weight |
|--------|----------------|---------|
| GPS1 | GPS Wall Mount | 10 lbs. |

| Part # | Description | Weight |
|--------|-----------------------|--------|
| HWK12 | Hollow Wall Mount Kit | 4 lbs. |
| SWK12 | Solid Wall Mount Kit | 4 lbs. |



Universal Adjustable Wall Mount Brackets

These brackets provide a secure means of attaching antennas to walls.

- Extendable design adds flexibility to these wall mounts
- Use one bracket for lighter applications, or double up for a robust mounting solution
- Accept 3/4" to 2-3/8" OD antenna mounting pipes
- Order antenna mounting pipes separately
- Includes hardware for solid wall mounting (1/2" x 2-1/2" wedge anchors)
- Purchase hollow wall mount kit if required
- Hot-dip galvanized

| Part # | Standoff | Description | Weight |
|---------|-----------|-------------------------------|---------|
| WMU-12S | 7" - 12" | Adjustable Wall Mount Bracket | 17 lbs. |
| WMU-24S | 14" - 24" | Adjustable Wall Mount Bracket | 26 lbs. |

| Part # | Description | Weight |
|---------|----------------------------------|--------|
| WMH-HWK | Hollow Wall Mount Attachment Kit | 6 lbs. |



Next Generation Heavy-Duty Wall Mounts

These mounts provide a solution for mounting microwave, directional DAS, or omni wireless antennas.

- Accepts 1" to 2-3/8" antenna mounting pipes
- Adjustable spacing between the clamps allows flexibility and maximum stability when mounting directional antennas
- Hot-dip galvanized steel construction
- Kits include galvanized lag screws and shields for solid wall mounting
- Purchase hollow wall mount kit if required

| Part # | Stand Off | Weight |
|--------|-----------|--------|
| HDWM04 | 4" | 7 lbs. |
| HDWM08 | 8" | 9 lbs. |

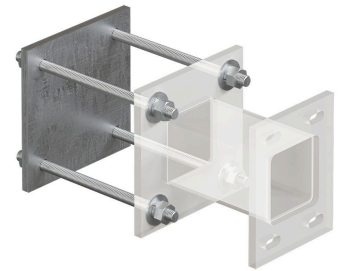


Heavy-Duty Hollow Wall Mount Kit

This wall mount kit is designed for heavy-duty applications.

- Compatible with a 6" x 6" bolt hole pattern
- Includes 5/8" hardware

| Part # | Weight |
|----------|---------|
| HWK58-HD | 16 lbs. |



Round Chimney Mount Kits

These kits enable the secure attachment of antennas and sector frames to a chimney.

- When ordering V-Series™ sector frames for use with round chimney mounts, add “-NLB” to the part number to get the frames without the leg bracket hardware
- Other model sector frames can be attached using the X-B965 pipe mount
- Standard kits fit chimney diameters from 5' to 13'
- For larger chimneys use multiple kits to obtain the required diameter
- Kits include two sets of chimney straps and tensioning hardware
- Flush mount adapter kits can be used to mount antennas close to the chimney face or to add pipes for attachment of frame stiff arms
- Sector frames, antenna mounting pipes, flush mount adapter kits, etc. are ordered separately
- Ships from select locations



| Part # | Chimney Diameter | Weight |
|---------|--|----------|
| RCM56 | 5' to 6' | 155 lbs. |
| RCM67 | 6' to 7' | 190 lbs. |
| RCM78 | 7' to 8' | 205 lbs. |
| RCM89 | 8' to 9' | 205 lbs. |
| RCM911 | 9' to 11' | 565 lbs. |
| RCM1113 | 11' to 13' | 685 lbs. |
| RC-PM23 | Flush Mount Adapter 2-3/8" to 2-7/8" pipes | 30 lbs. |
| RC-PM34 | Flush Mount Adapter 3-1/2" to 4-1/2" pipes | 33 lbs. |

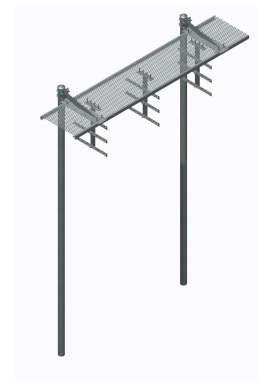
Ice Bridges & Equipment Racks



24" Grip-Strut Ice Bridge Kits With Triple-Tee Trapeze

This ice bridge kit is used to protect and support horizontal cable runs.

- Available in heavy-duty 12 gauge or lightweight 14 gauge grip strut
- Versatile triple-tee trapeze with all hardware included
- 24 runs
- Easy installation
- Three trapeze kits per bridge
- Complete kits



| Part # | Size | Poles | Trapeze | # of Runs | Weight |
|----------------|---------------------|----------------------------|------------|-----------|----------|
| IB24D-T3 | 24" x 10', 12 Gauge | 3-1/2" x 13'-4" Burial | Triple Tee | 24 | 443 lbs. |
| IB24D-216T3 | 24" x 10', 12 Gauge | 3-1/2" x 18' Burial | Triple Tee | 24 | 515 lbs. |
| IB24B-T3 | 24" x 10', 12 Gauge | 3-1/2" x 10'-6" Base Shoe | Triple Tee | 24 | 429 lbs. |
| IB24D-T3-LW | 24" x 10', 14 Gauge | 3-1/2" x 13'-4", Burial | Triple Tee | 24 | 340 lbs. |
| IB24D-216T3-LW | 24" x 10', 14 Gauge | 3-1/2" x 18', Burial | Triple Tee | 24 | 400 lbs. |
| IB24B-T3-LW | 24" x 10', 14 Gauge | 3-1/2" x 10'-6", Base Shoe | Triple Tee | 24 | 398 lbs. |

24" Grip-Strut Ice Bridge Kits With Vertical T-Bracket Trapeze

This ice bridge kit is used to protect and support horizontal cable runs.

- Vertical T-bracket trapeze for easy installation
- Accept 18 snap-ins and can be installed side by side for 36 runs
- Three trapeze kits per bridge
- Complete kits



| Part # | Size | Poles | Trapeze | # of Runs | Weight |
|------------|-----------|---------------------------|-------------|-----------|----------|
| IB24D-V | 24" x 10' | 3-1/2" x 13'-4" Burial | VT-Brackets | 18 | 421 lbs. |
| IB24D-216V | 24" x 10' | 3-1/2" x 18' Burial | VT-Brackets | 18 | 493 lbs. |
| IB24B-V | 24" x 10' | 3-1/2" x 10'-6" Base Shoe | VT-Brackets | 18 | 407 lbs. |

24" Grip-Strut Ice Bridge Kits With Z-Bracket Trapeze

This ice bridge kit is used to protect and support horizontal cable runs.

- Versatile Z-bracket trapeze with all hardware included
- Three trapeze kits per bridge
- Number of runs calculated by using both sides of the Z-bracket
- Complete kits



| Part # | Size | Poles | Trapeze | # of Runs | Weight |
|-------------|-----------|---------------------------|---------------------|-----------|----------|
| IB24D-Z | 24" x 10' | 3-1/2" x 13'-4" Burial | Z-Brackets, 1 Level | 14 | 423 lbs. |
| IB24D-216Z | 24" x 10' | 3-1/2" x 18' Burial | Z-Brackets, 1 Level | 14 | 494 lbs. |
| IB24B-Z | 24" x 10' | 3-1/2" x 10'-6" Base Shoe | Z-Brackets, 1 Level | 14 | 409 lbs. |
| IB24D-Z2 | 24" x 10' | 3-1/2" x 13'-4" Burial | Z-Brackets, 2 Level | 28 | 440 lbs. |
| IB24D-216Z2 | 24" x 10' | 3-1/2" x 18' Burial | Z-Brackets, 2 Level | 28 | 512 lbs. |
| IB24B-Z2 | 24" x 10' | 3-1/2" x 10'-6" Base Shoe | Z-Brackets, 2 Level | 28 | 426 lbs. |
| IB24D-Z3 | 24" x 10' | 3-1/2" x 13'-4" Burial | Z-Brackets, 3 Level | 42 | 456 lbs. |
| IB24D-216Z3 | 24" x 10' | 3-1/2" x 18' Burial | Z-Brackets, 3 Level | 42 | 528 lbs. |
| IB24B-Z3 | 24" x 10' | 3-1/2" x 10'-6" Base Shoe | Z-Brackets, 3 Level | 42 | 443 lbs. |

ICE BRIDGE KITS

24" Grip-Strut Ice Bridge Kits With Angle-Bracket Trapeze

This ice bridge kit is used to protect and support horizontal cable runs.

- Versatile angle-bracket trapeze with all hardware included
- Three trapeze kits per bridge
- Complete kits

| Part # | Size | Poles | Trapeze | # of Runs | Weight |
|-------------|-----------|---------------------------|-------------------------|-----------|----------|
| IB24D-A | 24" x 10' | 3-1/2" x 13'-4" Burial | Angle Brackets, 1 Level | 6 | 415 lbs. |
| IB24D-216A | 24" x 10' | 3-1/2" x 18' Burial | Angle Brackets, 1 Level | 6 | 487 lbs. |
| IB24B-A | 24" x 10' | 3-1/2" x 10'-6" Base Shoe | Angle Brackets, 1 Level | 6 | 401 lbs. |
| IB24D-A2 | 24" x 10' | 3-1/2" x 13'-4" Burial | Angle Brackets, 2 Level | 12 | 425 lbs. |
| IB24D-216A2 | 24" x 10' | 3-1/2" x 18' Burial | Angle Brackets, 2 Level | 12 | 497 lbs. |
| IB24B-A2 | 24" x 10' | 3-1/2" x 10'-6" Base Shoe | Angle Brackets, 2 Level | 12 | 411 lbs. |
| IB24D-A3 | 24" x 10' | 3-1/2" x 13'-4" Burial | Angle Brackets, 3 Level | 18 | 434 lbs. |
| IB24D-216A3 | 24" x 10' | 3-1/2" x 18' Burial | Angle Brackets, 3 Level | 18 | 506 lbs. |
| IB24B-A3 | 24" x 10' | 3-1/2" x 10'-6" Base Shoe | Angle Brackets, 3 Level | 18 | 420 lbs. |



12" Grip-Strut Ice Bridge Kits With Triple-Tee Trapeze

This ice bridge kit is used to protect and support horizontal cable runs.

- Versatile triple-tee trapeze with all hardware included
- 12 runs
- Easy installation
- Three trapeze kits per bridge
- Complete kits



| Part # | Size | Poles | Trapeze | # of Runs | Weight |
|-------------|-----------|---------------------------|---------------------|-----------|----------|
| IB12D-T3 | 12" x 10' | 3-1/2" x 13'-4" Burial | T-Bracket, 3 Level | 12 | 411 lbs. |
| IB12D-216T3 | 12" x 10' | 3-1/2" x 18' Burial | T-Brackets, 3 Level | 12 | 375 lbs. |
| IB12B-T3 | 12" x 10' | 3-1/2" x 10'-6" Base Shoe | T-Brackets, 3 Level | 12 | 280 lbs. |

| Part # | Description | Weight |
|---------|--------------------------|---------|
| T12K-3 | Triple-Tee Trapeze Kit | 8 lbs. |
| HHD12-K | Universal Cantilever Kit | 11 lbs. |
| PC312 | Post Caps | 1 lb. |
| BSA300 | Bolt-On Base Shoe | 13 lbs. |
| BSF35 | Base Shoe Foot | 14 lbs. |



12" Grip-Strut Ice Bridge Kits With Vertical T-Bracket Trapeze

This ice bridge kit is used to protect and support horizontal cable runs.

- Vertical T-bracket trapeze for easy installation
- Accepts 18 snap-ins and can be installed side by side for 36 runs
- Three trapeze kits per bridge
- Complete kits



| Part # | Size | Poles | Trapeze | # of Runs | Weight |
|--------------|-----------|---------------------------|-------------|-----------|----------|
| IB1210D-V | 12" X 10' | 3-1/2" X 13'-4", Burial | VT-Brackets | 18 | 390 lbs. |
| IB1210D-216V | 12" X 10' | 3-1/2" X 18', Burial | VT-Brackets | 18 | 450 lbs. |
| IB1210B-V | 12" X 10' | 3-1/2" X 10', Base Shoe | VT-Brackets | 18 | 370 lbs. |
| IB12D-V | 12" x 12' | 3-1/2" x 13'-4" Burial | VT-Brackets | 18 | 374 lbs. |
| IB12D-216V | 12" x 12' | 3-1/2" x 18' Burial | VT-Brackets | 18 | 447 lbs. |
| IB12B-V | 12" x 12' | 3-1/2" x 10'-6" Base Shoe | VT-Brackets | 18 | 362 lbs. |

12" Grip-Strut Ice Bridge Kits With Z-Bracket Trapeze

This ice bridge kit is used to protect and support horizontal cable runs.

- Versatile Z-bracket trapeze with all hardware included
- Three trapeze kits per bridge
- Number of runs calculated by using both sides of the Z-bracket
- Complete kits



| Part # | Size | Poles | Trapeze | # of Runs | Weight |
|---------------|-----------|---------------------------|---------------------|-----------|----------|
| IB1210D-Z | 12" X 10' | 3-1/2" X 13'-4", Burial | Z-Brackets, 1 Level | 7 | 386 lbs. |
| IB1210D-216Z | 12" X 10' | 3-1/2" X 18', Burial | Z-Brackets, 1 Level | 7 | 466 lbs. |
| IB1210B-Z | 12" X 10' | 3-1/2" X 10', Base Shoe | Z-Brackets, 1 Level | 7 | 256 lbs. |
| IB1210D-Z2 | 12" X 10' | 3-1/2" X 13'-4", Burial | Z-Brackets, 2 Level | 14 | 385 lbs. |
| IB1210D-216Z2 | 12" X 10' | 3-1/2" X 18', Burial | Z-Brackets, 2 Level | 14 | 470 lbs. |
| IB1210B-Z2 | 12" X 10' | 3-1/2" X 10', Base Shoe | Z-Brackets, 2 Level | 14 | 288 lbs. |
| IB12D-Z | 12" x 12' | 3-1/2" x 13'-4" Burial | Z-Brackets, 1 Level | 7 | 368 lbs. |
| IB12D-216Z | 12" x 12' | 3-1/2" x 18' Burial | Z-Brackets, 1 Level | 7 | 440 lbs. |
| IB12B-Z | 12" x 12' | 3-1/2" x 10'-6" Base Shoe | Z-Brackets, 1 Level | 7 | 247 lbs. |
| IB12D-Z2 | 12" x 12' | 3-1/2" x 13'-4" Burial | Z-Brackets, 2 Level | 14 | 397 lbs. |
| IB12D-216Z2 | 12" x 12' | 3-1/2" x 18' Burial | Z-Brackets, 2 Level | 14 | 365 lbs. |
| IB12B-Z2 | 12" x 12' | 3-1/2" x 10'-6" Base Shoe | Z-Brackets, 2 Level | 14 | 257 lbs. |

ICE BRIDGE KITS NO TRAPEZE & ICE BRIDGE COMPONENTS

Grip Strut Ice Bridge Kit with No Trapeze

This ice bridge kit is used to protect and support horizontal cable runs.

- Four-post ice bridge kits
- Purchase trapeze kits separately

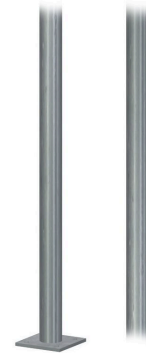


| Part # | Size | Poles | Trapeze | Weight |
|--------------|---------------------|--------------------------------------|----------------|----------|
| IB12D | 12" x 12', 12 Gauge | (2) 3-1/2" x 13'-4" Burial | None | 354 lbs. |
| IB12D-216 | 12" x 12', 12 Gauge | (2) 3-1/2" x 18' Burial | None | 426 lbs. |
| IB12B | 12" x 12', 12 Gauge | (2) 3-1/2" x 10'-6" Base Shoe | None | 340 lbs. |
| IB24D | 24" x 10', 12 Gauge | (2) 3-1/2" x 13'-4" Burial | None | 398 lbs. |
| IB24D-216 | 24" x 10', 12 Gauge | (2) 3-1/2" x 18' Burial | None | 470 lbs. |
| IB24B | 24" x 10', 12 Gauge | (2) 3-1/2" x 10'-6" Base Shoe | None | 385 lbs. |
| IB2412D | 24" x 12', 12 Gauge | (2) 3-1/2" OD x 13'-4" Direct Burial | None | 400 lbs. |
| IB2412B | 24" x 12', 12 Gauge | (2) 3-1/2" x 10'-6" Base Shoe | None | 380 lbs. |
| IB24D-LW | 24" x 10', 14 Gauge | (2) 3-1/2" x 13'-4", Burial | None | 375 lbs. |
| IB24D-216-LW | 24" x 10', 14 Gauge | (2) 3-1/2" x 18', Burial | None | 375 lbs. |
| IB24B-LW | 24" x 10', 14 Gauge | (2) 3-1/2" x 10'-6", Base Shoe | None | 385 lbs. |
| IB2412D-LW | 24" x 12', 14 Gauge | (2) 3-1/2" x 13'-4", Burial | None | 390 lbs. |
| IB2412B-LW | 24" x 12', 14 Gauge | (2) 3-1/2" x 10'-6", Base Shoe | None | 380 lbs. |
| 4B24D | 24" x 10' | (4) 3-1/2" x 13'-4" Burial | None | 588 lbs. |
| 4B24D-216 | 24" x 10' | (4) 3-1/2" x 18' Burial | None | 731 lbs. |
| 4B24B | 24" x 10' | (4) 3-1/2" x 10'-6", Base Shoe | None | 543 lbs. |
| IB7D-C | 7" x 10' | 3-1/2" x 13'-4" Burial | Cushion Hanger | 357 lbs. |
| IB7D | 7" x 10' | 3-1/2" x 13'-4" Burial | No Trapeze | 354 lbs. |

Pipe Columns

This pipe column is used to support ice bridge kits.

- 3-1/2" OD pipes, hot-dip galvanized
- Base shoe pipes include anchors and hardware
- 8" x 8" base with 11/16" holes on 5-1/2" centers
- Purchase post caps separately



| Part # | Type | Size | Weight |
|--------|---------------|-----------------|----------|
| SP126 | Base Shoe | 3-1/2" x 10'-6" | 95 lbs. |
| P3160 | Direct Burial | 3-1/2" x 13'-4" | 101 lbs. |
| P3180 | Direct Burial | 3-1/2" x 15'-0" | 110 lbs. |
| P3216 | Direct Burial | 3-1/2" x 18' | 136 lbs. |
| P3252 | Direct Burial | 3-1/2" x 21' | 160 lbs. |

Bolt-On Base Shoe

This bolt-on base shoe is used to attach ice bridge pipe columns to concrete surfaces.

- For use with 3-1/2" pipes
- 12" height x 6" width for stability
- Kit includes U-bolts
- Purchase wedge anchors separately
- Hot-dip galvanized

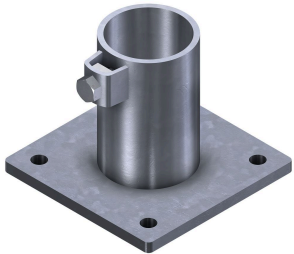


| Part # | Description | Weight |
|--------|--|---------|
| BSA300 | Bolt-On Base Shoe | 13 lbs. |
| GWA585 | 5/8" x 5" Galvanized Wedge Anchors (3 req'd) | 2 lbs. |

Base Shoe Foot

This base shoe feet are used to attach ice bridge pipe columns to concrete or steel surfaces.

- Convert any 2-7/8" or 3-1/2" OD pipe into a base shoe post
- 8" x 8" x 1/2" base plate with 6" hole spacing
- 11/16" holes for 5/8" anchors
- Hot-dip galvanized



| Part # | Description | Weight |
|--------|-----------------------------------|---------|
| BSF30 | Base Shoe Foot for 2-7/8" OD Pipe | 13 lbs. |
| BSF35 | Base Shoe Foot for 3-1/2" OD Pipe | 14 lbs. |

Base Shoe Platform Mounting Hardware

This hardware kit is used with pipe column base shoe feet.

- Use to attached base shoe feet to platform grating
- Include threaded rod, backing plates, nuts, and washers
- Hot-dip galvanized

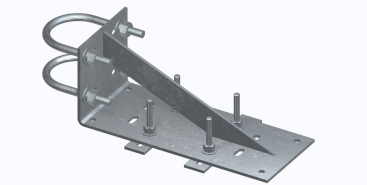


| Part # | Clamp Style | Hardware | Weight |
|----------|-------------|----------|---------|
| BSMH-DCF | Flat | 5/8" | 10 lbs. |

Universal Cantilever Kit

Cantilever kits are used with pipe columns to support ice bridge channels.

- Universal hole pattern allows use on any type of channel
- For use with 3-1/2" OD pipe columns
- Kits include all hardware, U-bolts, and backing plates



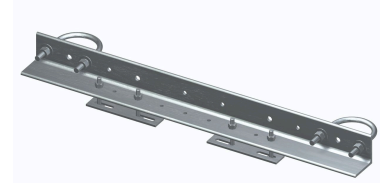
| Part # | Channel Width | Description | Weight |
|---------|---------------|-------------------------|---------|
| HHD12-K | 12" | Complete Cantilever Kit | 11 lbs. |
| HHD24-K | 24" | Complete Cantilever Kit | 17 lbs. |

ICE BRIDGE COMPONENTS

Four-Post Bridge Support Bracket

This bracket is used to support 24" ice bridge channels on four-post ice bridge kits.

- Universal hole pattern allows use on any type of channel
- For use with 3-1/2" pipe columns
- Kits include all hardware, U-bolts, and backing plates



| Part # | Channel Width | Description | Weight |
|--------|---------------|----------------------|---------|
| FP24 | 24" | Complete Support Kit | 14 lbs. |

Angle Splice For Bridges

This kit is used to connect ice bridge channel sections.

- Sold in kits of 2
- Kits include all hardware (3/8")
- Hot-dip galvanized
- 2" x 2" x 33" angle



| Part # | Description | Weight |
|--------|-------------------------|---------|
| WGB-SA | Angle Splice (Kit of 2) | 14 lbs. |

Straight Splice For Bridges

This kit is used to connect ice bridge channel sections.

- Sold in kits of 2
- Kits include all hardware (3/8")
- Hot-dip galvanized
- 1/4" x 2" x 12" flat bar

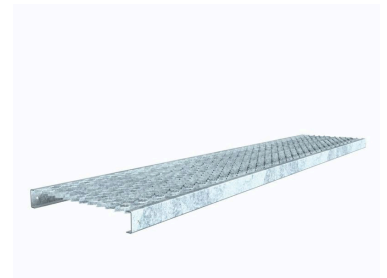


| Part # | Description | Weight |
|--------|----------------------------|--------|
| WGB-SP | Straight Splice (Kit of 2) | 1 lb. |

Grip-Strut Bridge Channel

This ice bridge channel is used to protect and support horizontal cable runs.

- Serrated diamond pattern allows flexibility in attaching hardware
- Available in heavy-duty 12 gauge and light duty 14 gauge steel
- Pre-galvanized



| Part # | Size | Gauge | Depth | Weight |
|----------|---------------|-------|-------|----------|
| GRS12-10 | 11-3/4" x 10' | 12 | 2" | 60 lbs. |
| GRS12 | 11-3/4" x 12' | 12 | 2" | 72 lbs. |
| GRS12-5 | 5' x 12" | 12 | 2" | 40 lbs. |
| GRS24 | 24" x 10' | 12 | 3" | 104 lbs. |
| GRS24-12 | 24" x 12' | 12 | 3" | 136 lbs. |
| GRS7 | 7" x 10' | 14 | 2" | 28 lbs. |
| LDGS10 | 24" x 10' | 14 | 2" | 73 lbs. |
| LDGS12 | 24" x 12' | 14 | 2" | 88 lbs. |

Universal Vertical Trapeze Kit

This trapeze kit is used to organize and support cable runs under ice bridge channels.

- These universal brackets can be used under solid or expanded metal channels
- Easy to install; mounts with included 3/8" hardware
- Available in 12-run or 18-run versions
- Note: Even if you are only running 12 cables, the added length of the VT18 can be advantageous when hanging your cables
- Can be placed side by side under 24" ice bridge kits



| Part # | # of Runs | Length | Weight |
|--------|-----------|---------|--------|
| VT12 | 12 | 17-1/2" | 4 lbs. |
| VT18 | 18 | 25-1/2" | 5 lbs. |

Triple-Tee Trapeze Kit

This trapeze kit is used to organize and support cable runs under ice bridge channels.

- Easily installed and allows for adjustment of the angle brackets
- Allows for neat installation by aligning cables with entry panel
- Heavy-duty version resists wobble
- Hot-dip galvanized

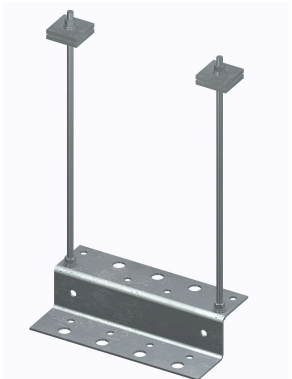


| Part # | # of Runs | Size | Weight |
|--------|-----------|---------------|---------|
| T12K-3 | 12 | 12" x 24-1/2" | 8 lbs. |
| T24K-3 | 24 | 22" x 24-1/2" | 17 lbs. |

Universal Z-Bracket Trapeze Kit

This trapeze kit is used to organize and support cable runs under ice bridge channels.

- These Z-bracket trapeze kits can be used under all types of channels
- Kits come complete with stainless steel hardware and threaded rods
- Number of runs is calculated by using both sides of the Z-bracket



| Part # | Description | Width | Threaded Rod | # of Runs | Weight |
|--------|-----------------------|-------|--------------|-----------|---------|
| Z12K | Single Stack, 1 Level | 12" | 3/8" x 18" | 7 | 5 lbs. |
| Z12K-D | Double Stack, 2 Level | 12" | 3/8" x 30" | 14 | 8 lbs. |
| Z12K-3 | Triple Stack, 3 Level | 12" | 3/8" x 36" | 21 | 12 lbs. |
| Z24K | Single Stack, 1 Level | 21" | 3/8" x 18" | 14 | 7 lbs. |
| Z24K-D | Double Stack, 2 Level | 21" | 3/8" x 30" | 28 | 13 lbs. |
| Z24K-3 | Triple Stack, 3 Level | 21" | 3/8" x 36" | 42 | 19 lbs. |

ICE BRIDGE COMPONENTS & SOLID BRIDGE COMPONENTS

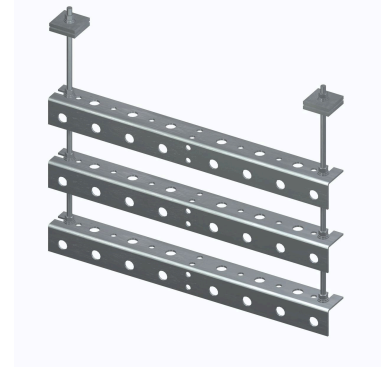
Angle-Bracket Trapeze Kit

This trapeze kit is used to organize and support cable runs under ice bridge channels.

- These angle-bracket trapeze kits can be used under all types of channels
- Kits come complete with stainless steel hardware and threaded rods
- Brackets are slotted for easy installation



| Part # | Description | Width | Threaded Rod | # of Runs | Weight |
|--------|-----------------------|-------|--------------|-----------|--------|
| A24K | Single Stack, 1 Level | 24" | 3/8" x 18" | 6 | 4 lbs. |
| A24K-D | Double Stack, 2 Level | 24" | 3/8" x 30" | 12 | 8 lbs. |
| A24K-3 | Triple Stack, 3 Level | 24" | 3/8" x 36" | 18 | 9 lbs. |



501 Solid Bridge Kit

Solid ice bridge kits are used to provide extra protection from falling ice.

- Solid ice bridge kits
- Kits include one SP501 solid bridge channel, two pipe columns, two SP509, universal pipe heads, and three VT12 universal vertical trapeze kits
- Galvanized
- Ships from Salem, OR



| Part # | Size | Poles | # of Runs | Weight |
|--------|-----------|-------------------------------|-----------|----------|
| SP501D | 12" x 10' | 3-1/2" x 13'-4" Direct Burial | 12 | 420 lbs. |
| SP501B | 12" x 10' | 3-1/2" x 10'-6" Base Shoes | 12 | 407 lbs. |



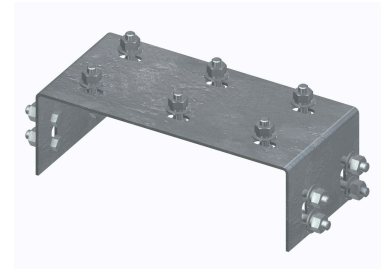
Straight & Hinged Splice

This straight and hinged splice is used to connect solid ice bridge channel sections.

- Used to splice SP501 solid bridge channels together
- Can be used to create vertical angles up to 25°
- Hardware included; hot-dip galvanized
- Ships from Salem, OR



| Part # | Description | Weight |
|--------|--------------------------|--------|
| SP503 | Straight & Hinged Splice | 5 lbs. |



Adjustable Splice

This adjustable splice is used to make horizontal turns when using solid bridge channels.

- Used to make 0-45° horizontal turns
- Can be used for left or right turns
- Hardware included; hot-dip galvanized
- Ships from Salem, OR



| Part # | Description | Weight |
|--------|-------------------|--------|
| SP504 | Adjustable Splice | 6 lbs. |



Corner Filler

This corner filler is used to provide additional cable protection at corners or ends of ice bridges.

- Protect cables during 90° bends
- Can use alongside channel to provide protection for entry panels
- Hot-dip galvanized
- Ships from Salem, OR

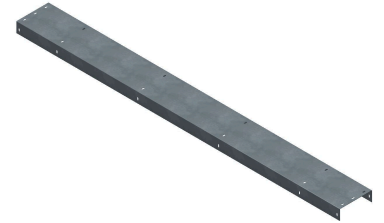


| Part # | Description | Weight |
|--------|---------------|---------|
| SP505 | Corner Filler | 15 lbs. |

501 Solid Bridge Channel

Solid ice bridge channels are used to provide extra protection from falling ice.

- Galvanized 11 gauge steel
- 12" x 10'
- Ships from Salem, OR



| Part # | Size | Weight |
|--------|-----------|---------|
| SP501 | 12" x 10' | 84 lbs. |

Universal Pipe Head

This universal pipe head is used with pipe columns to support solid ice bridge channels.

- Used to support 12" wide solid or expanded metal channels
- 4" OD x 29-3/4" long sleeve slips over 3-1/2" pipe columns and allows up to 22" of adjustment
- Mount with 1/2" hardware or included hook bolts
- Hot-dip galvanized
- Ships from Salem, OR



| Part # | Description | Weight |
|--------|-------------|---------|
| SP509 | Pipe Head | 28 lbs. |

Pipe Head Sleeve

This pipe head sleeve is used with pipe columns to support solid ice bridge channels.

- 4" OD x 29-3/4" long sleeve slips over 3-1/2" pipe columns and allows up to 22" of adjustment
- Mount with 1/2" hardware
- Hot-dip galvanized
- Ships from Salem, OR



| Part # | Description | Weight |
|--------|------------------|---------|
| SP508 | Pipe Head Sleeve | 21 lbs. |

EQUIPMENT RACKS & CANOPIES

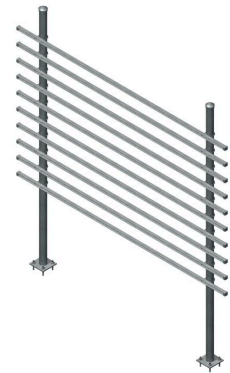
Equipment Rack

This equipment rack is used to mount radio units, cabinets, etc. at communication sites.

- Complete kits for all your equipment mounting needs
- Heavy-duty construction
- Include ten 10' x 12 gauge galvanized unistrut rails
- Designed to space unistrut at 8" typical spacing but spacing is freely adjustable
- Available with direct burial or base shoe pipe columns



| Part # | Pipes | Weight |
|--------|-------------------------------------|----------|
| ER105D | 3-1/2" x 13' 4" Direct Burial Pipes | 420 lbs. |
| ER106B | 3-1/2" x 10' Base Shoe Pipes | 400 lbs. |



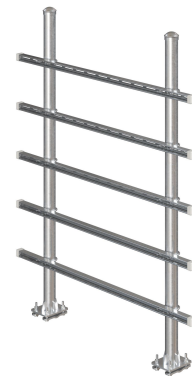
H-Frame Equipment Rack

This equipment rack is used to mount radio units, cabinets, etc. at communication sites.

- 2-7/8" x 6' pipe risers
- Five levels of 1-5/8" x 5' square strut
- Galvanized



| Part # | Description | Weight |
|--------|------------------------|----------|
| HF-556 | H-Frame Equipment Rack | 117 lbs. |



Platform Canopies

These platform canopies protect radio cabinets and equipment at the base of the tower from falling ice.

- Protect cabinets and cables from falling debris or ice
- Constructed from 4" x 4" x 1/4" angles and 12 gauge grip strut
- Available with direct burial pipe columns or base shoe pipe columns with wedge anchors
- Easy to install; no field cutting or drilling required
- Corrugated roofing option available at select locations



| Part # | Size | Pipes | Weight |
|-----------|-----------|-------------------------------|-----------|
| COV610 | 10' x 6' | 3-1/2" OD, 13'-4" Burial | 1000 lbs. |
| COV810 | 10' x 8' | 3-1/2" OD, 13'-4" Burial | 1120 lbs. |
| COV1010 | 10' x 10' | 3-1/2" OD, 13'-4" Burial | 1200 lbs. |
| COV1012 | 10' x 12' | 3-1/2" OD, 13'-4" Burial | 1350 lbs. |
| COV612 | 12' x 6' | 3-1/2" OD, 13' - 4" Burial | 1100 lbs. |
| COV812 | 12' x 8' | 3-1/2" OD, 13' - 4" Burial | 1225 lbs. |
| COV610-B | 10' x 6' | 3-1/2" OD, 10'-6" Base Shoe | 970 lbs. |
| COV810-B | 10' x 8' | 3-1/2" OD, 10'-6" Base Shoe | 1090 lbs. |
| COV1010-B | 10' x 10' | 3-1/2" OD, 10'-6" Base Shoe | 1170 lbs. |
| COV1012-B | 10' x 12' | 3-1/2" OD, 10'-6" Base Shoe | 1320 lbs. |
| COV612-B | 12' x 6' | 3-1/2" OD, 10' - 6" Base Shoe | 1070 lbs. |
| COV812-B | 12' x 8' | 3-1/2" OD, 10' - 6" Base Shoe | 1195 lbs. |

Equipment Rack with Dual Ice Bridge

The equipment racks include dual ice bridges for hybrid functionality.

- Includes unistrut and hardware for equipment mounting
- Easy installation

| Part # | Size | Poles | Weight |
|---------|-----------|---------------------------|----------|
| ERIB24B | 24" x 10' | 3-1/2" x 10'-6" Base Shoe | 488 lbs. |
| ERIB24D | 24" x 10' | 3-1/2" x 13'-4" Burial | 507 lbs. |
| ERIB48B | 48" x 10' | 3-1/2" x 10'-6" Base Shoe | 563 lbs. |
| ERIB48D | 48" x 10' | 3-1/2" x 13'-4" Burial | 575 lbs. |



Cable Runway



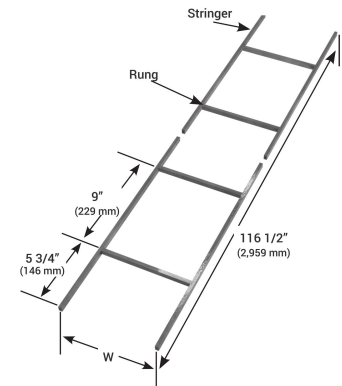
Cable Runway Straight Section

Cable runway sections are used to organize and support cable runs inside buildings.

- 3/8" x 1-1/2" tubular steel stringers
- 1/2" x 1" welded steel rungs
- Available in yellow zinc or telco gray finish



| Part # | Size | Finish | Weight |
|---------|-----------------|-------------|---------|
| CR-12-Y | 12" x 9'-8-1/2" | Yellow Zinc | 21 lbs. |
| CR-12-G | 12" x 9'-8-1/2" | Telco Gray | 22 lbs. |
| CR-18-Y | 18" x 9'-8-1/2" | Yellow Zinc | 26 lbs. |
| CR-18-G | 18" x 9'-8-1/2" | Telco Gray | 26 lbs. |

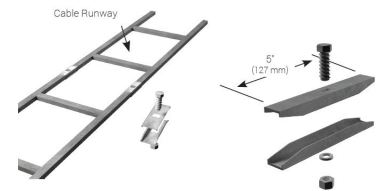


Cable Runway Splice Extension Kit

The splice extension kit is used to connect cable runway sections.

- Use to connect runway stringers
- Includes two clamps and hardware
- Yellow zinc finish

| Part # | Description | Weight |
|--------|----------------------|--------|
| CR-EXT | Splice Extension Kit | 1 lb. |

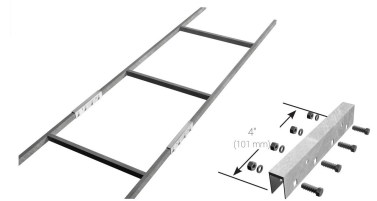


Cable Runway Heavy Duty Splice Kit

The heavy duty splice kit is used to connect cable runway sections.

- Use to connect runway stringers
- Includes two clamps and hardware
- Yellow zinc finish

| Part # | Description | Weight |
|--------|-----------------------|--------|
| CR-SPL | Heavy Duty Splice Kit | 1 lb. |

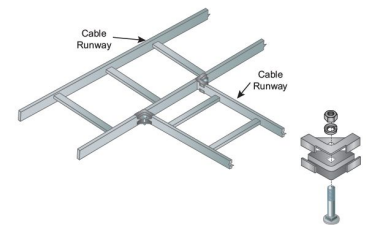


Cable Runway Horizontal T-Splice Kit

The horizontal T-splice kit is used to connect cable tray sections at 90° T-connections.

- Use for 90° horizontal T-connections
- Includes two clamps and hardware
- Yellow zinc finish

| Part # | Description | Weight |
|--------|-------------------------|--------|
| CR-HT | Horizontal T-Splice Kit | 1 lb. |

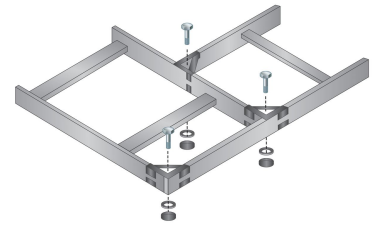


Cable Runway 90° Bend Splice Kit

The 90° bend splice is used to form 90° bends at the end of cable tray sections

- Use for 90° horizontal bends
- Includes three clamps and hardware
- Yellow zinc finish

| Part # | Description | Weight |
|--------|---------------------|--------|
| CR-90 | 90° Bend Splice Kit | 1 lb. |

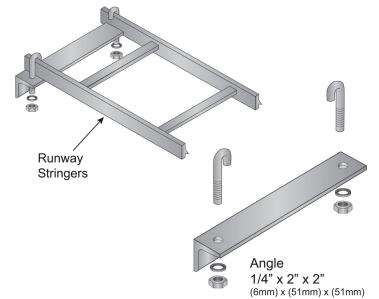


Cable Runway End Wall Support Kits

The runway end wall support kit is used to connect the end of a cable tray section to the building wall.

- Secure end of runway to wall
- Kits include angle, two J-bolts, and hardware
- Available in yellow zinc or telco gray finish

| Part # | Size | Finish | Weight |
|-----------|------|-------------|--------|
| CR-EW12-Y | 12" | Yellow Zinc | 4 lbs. |
| CR-EW12-G | 12" | Telco Gray | 2 lbs. |
| CR-EW18-Y | 18" | Yellow Zinc | 3 lbs. |
| CR-EW18-G | 18" | Telco Gray | 3 lbs. |

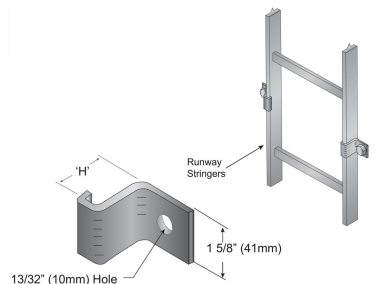


Cable Tray Hold Down Clamp Kit

The hold-down clamp kit is used to attach cable runway sections to walls, ceilings, and floors.

- Secures runway to wall, ceiling, floor, or strut
- Includes two clamps
- Yellow zinc finish

| Part # | Description | Weight |
|---------|---------------------|--------|
| CR-9141 | Hold Down Clamp Kit | 1 lb. |



Cable Tray Neoprene End Cap

The neoprene end cap is used to cover exposed ends of cable tray sections.

- Protects runway ends
- Black neoprene
- Meets UL94 flame resistance requirement
- Sold in packs of ten

| Part # | Qty. | Weight |
|--------|---------|--------|
| CR-NEO | 10 Pack | 1 lb. |

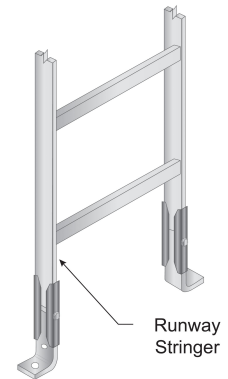


Cable Tray End Support Kit

The cable tray end support kit to attach the end of a cable tray section to building surfaces.

- Secures runway to floor, ceiling, or wall
- Includes two end supports and clamps with hardware
- Yellow zinc finish

| Part # | Description | Weight |
|----------|-----------------|--------|
| CR-STAND | End Support Kit | 3 lbs. |

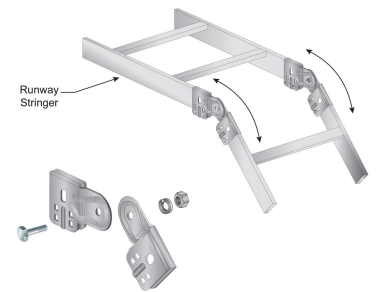


Cable Tray Adjustable Vertical Bend Kit

The adjustable vertical bend kit is used to make vertical bends up to 180°.

- Includes two splices and hardware
- 180° of adjustment
- Yellow zinc finish

| Part # | Description | Weight |
|--------|------------------------------|--------|
| CR-AVB | Adjustable Vertical Bend Kit | 2 lbs. |

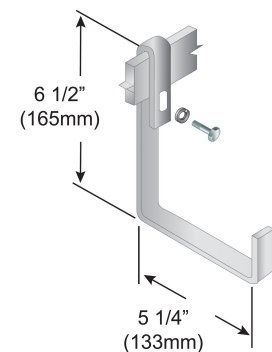


Cable Tray Power Cable Support Kits

The power cable support kit is used to hang power cable beneath runway sections.

- Support power cables under runway
- Hardware included

| Part # | Finish | Weight |
|----------|-------------|--------|
| CR-PCS-Y | Yellow Zinc | 1 lb. |
| CR-PCS-G | Telco Gray | 1 lb. |

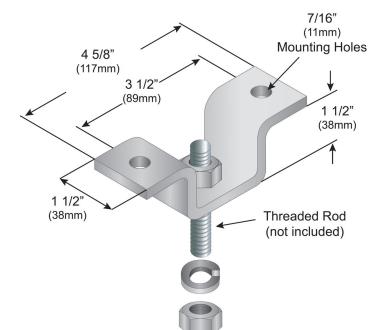


Cable Tray Ceiling Hanger Kits

This ceiling hanger kit is used to hang runway sections from the building ceiling.

- Used to suspend runway from ceiling
- Kits include bracket, lock washer, and two nuts
- Purchase threaded rod separately

| Part # | Rod Size | Finish | Weight |
|-----------|----------|-------------|--------|
| CR-HANG12 | 1/2" | Yellow Zinc | 1 lb. |
| CR-HANG58 | 5/8" | Yellow Zinc | 1 lb. |

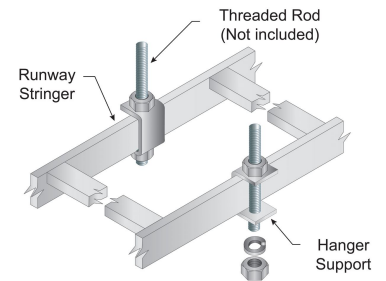


Cable Tray Runway Support Kits

This runway support kit is used to support runway sections using threaded rod.

- Used to support runway from threaded rod
- Kits include two supports and hardware; purchase threaded rod separately
- Kits available to fit 1/2" and 5/8" threaded rod

| Part # | Rod Size | Finish | Weight |
|----------|----------|-------------|--------|
| CR-SUP12 | 1/2" | Yellow Zinc | 1 lb. |
| CR-SUP58 | 5/8" | Yellow Zinc | 1 lb. |

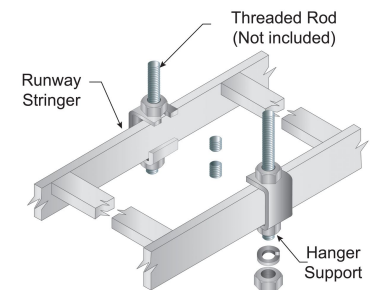


Cable Tray Slotted Runway Support Kits

The slotted runway support kit is used to support runway sections using threaded rod.

- Used to support runway from threaded rod
- Kits include two supports and hardware; purchase threaded rod separately
- Kits available to fit 1/2" and 5/8" threaded rod
- Slotted for easy adjustment

| Part # | Rod Size | Finish | Weight |
|----------|----------|-------------|--------|
| CR-SWT12 | 1/2" | Yellow Zinc | 1 lb. |
| CR-SWT58 | 5/8" | Yellow Zinc | 1 lb. |

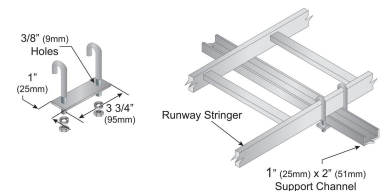


Cable Tray J-Bolt Kit

This J-bolt kit is used to attach cable tray sections to support channels.

- Used to secure cable runway to 1" x 2" support channel
- Includes plate and two J-bolts

| Part # | Rod Size | Finish | Weight |
|--------|----------|-------------|--------|
| CR-JB | 5/16" | Yellow Zinc | 1 lb. |



Cable Tray Earthquake Bracing Kit

This bracing kit is used to prevent damage to cable tray sections during earthquakes.

- Keeps installation safe and stable during seismic events
- Includes two 5/8" x 24" threaded rods and hardware
- Kit is for one complete side
- Yellow zinc finish

| Part # | Description | Weight |
|--------|---------------------------------|--------|
| EQBK | Earthquake Bracing Kit (1 side) | 8 lbs. |



Equipment Platforms



Fully Modular. Build Your Platform.

SITE PRO 1
Modular
Equipment Platforms

You can build a site-ready Modular Equipment Platform in just five simple steps, starting with your base footprint and finishing with access, safety, and equipment-mounting add-ons.



Step 1

Platform Base Section

Select welded base sections to create the platform footprint you need, with standardized connection points for fast assembly and future expansion.



Step 2

Support & Leveling

Choose footpads or jacks to level the platform and set deck height on flat or sloped surfaces, with optional rooftop protection and fine-adjust leveling.



Step 3

Handrail Layout

Add compliant handrails and splice connections to secure the perimeter, and integrate optional Unistrut to create adaptable equipment mounting points.



Step 4

Access Layout

Select ramps, stairs, ladders, and access points matched to your deck height to create safe, efficient entry for technicians and equipment handling.



Step 5

Accessories & Equipment Mounting

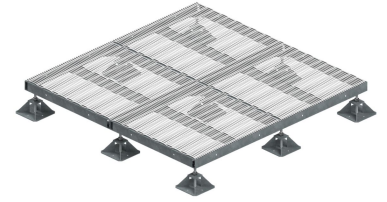
Finish with covers, ice bridges, equipment racks, and pipe-mount options to protect hardware, maximize usable space, and support site-specific requirements.



8' x 8' MEP Platform

This basic platform kit is used to raise equipment off the ground or roof.

- 8' square platform kit with nine small footpads
- Suitable for ground or rooftop sites
- Adjustable for flat or sloped surfaces
- Can be used with a variety of soil types
- Modular design allows for future expansion



| Part # | Size | Sub Assembly | Weight |
|----------|---------|---------------|----------|
| MEP88-4S | 8' X 8' | MEP44, MPAD-S | 950 lbs. |

10' x 10' MEP Platform

This basic platform kit is used to raise equipment off the ground or roof.

- 10' square platform kit with nine small footpads
- Suitable for ground or rooftop sites
- Adjustable for flat or sloped surfaces
- Can be used with a variety of soil types



| Part # | Size | Sub Assembly | Weight |
|------------|-----------|--------------------------|-----------|
| MEP1010-7S | 10' X 10' | MEP57 MEP53 MPAD-S | 2500 lbs. |

10' x 20' MEP Platform

Pre-designed platform kits for easy deployment on rooftop or ground sites.

- 10' x 20' platform kit assembles in minutes
- Suitable for ground or rooftop sites
- Adjustable for flat or sloped surfaces
- Can be used on a variety of soil types

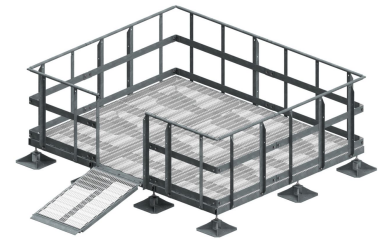
| Part # | Size | Sub Assembly | Weight |
|------------|-----------|----------------------|-----------|
| MEP1020-4L | 10' x 20' | MEP44, MEP42, MPAD-L | 3506 lbs. |



10' x 12' MEP Platform

This platform kit includes handrails and an access ramp.

- 10' x 12' platform kit includes handrails and a 5' access ramp
- Suitable for ground or rooftop sites
- Adjustable for flat or sloped surfaces
- Can be used with a variety of soil types



| Part # | Size | Sub Assembly | Weight |
|-----------------|-----------|---|-----------|
| MEP1012-6LH44R5 | 10' X 12' | MEP46, MEP44, MPAD-L, MRAIL-6, MRAIL-4, MRAMP, MOPEN-4, MSPLICE-S, MSPLICE-C | 2873 lbs. |

EQUIPMENT PLATFORMS

10' MEP Platform, Handrail, Slide Step, Canopy

This platform kit includes handrails, sliding step, a full platform cover, and a canopy.

- 10' square and rectangular platform kits
- Suitable for ground or rooftop sites
- Adjustable for flat or sloped surfaces
- Can be used with a variety of soil types
- Footpads located under platform for constrained footprints

| Part # | Size | Sub Assembly | Weight |
|-----------------|-----------|---|-----------|
| MEP1015-7SSSCH | 10' x 15' | MEP57, MEP53, MPAD-S, MOPHR-K, MCHR-K, MSTEP-SLIDE, MPCOV1010 | 4205 lbs. |
| MEP1015-7SSRC1H | 10' x 15' | MEP57, MEP53, MPAD-S, MOPHR-K, MCHR-K, MSTEP-SLIDE, MPCOV1010 | 4181 lbs. |
| MEP1010-7SSSRC | 10' x 10' | MEP57, MEP53, MPAD-S, MOPHR-K, MCHR-K, MSTEP-SLIDE, MPCOV1010 | 2995 lbs. |



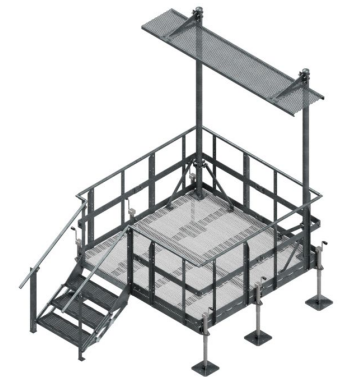
8' x 8' MEP Platform, Handrail, Ice Bridge & More

This platform kit includes handrails, stairs, and an ice bridge.

- 8' square platform kit includes handrails, stairs, an ice bridge, and jack footpads
- Suitable for ground or rooftop sites
- Adjustable for flat or sloped surfaces
- Can be used with a variety of soil types
- Jack footpads allow deck height adjustment from 13" to 28"



| Part # | Size | Sub Assembly | Weight |
|----------------|---------|--|-----------|
| MEP88-8JH32S3I | 8' x 8' | MEP48, MJACK, MRAIL-4, MSTEP-3, MOPEN-4, MIBP-2410, MSPLICE-S, MSPLICE-C | 1731 lbs. |



Ground Solution #1

This platform kit includes handrails, stairs, and an ice bridge.

- 8' square platform kit includes handrails, stairs, and an ice bridge
- Suitable for ground or rooftop sites and adjustable for flat or sloped surfaces
- Can be used with a variety of soil types



| Part # | Size | Sub Assembly | Weight |
|----------------|---------|---|-----------|
| MEP88-8SH32S1I | 8' x 8' | MEP48, MPAD-S, MRAIL-4, MSTEP-1LD, MOPEN-4, MIBP-2410, MSPLICE-S, MSPLICE-C | 1856 lbs. |



Ground Solution #2

This platform kit includes handrails, stairs, and a full platform cover.

- 8' square platform kit includes handrails, stairs, and platform cover
- Suitable for ground or rooftop sites and adjustable for flat or sloped surfaces
- Can be used with a variety of soil types



| Part # | Size | Sub Assembly | Weight |
|----------------|---------|---|-----------|
| MEP88-8SH32S1C | 8' x 8' | MEP48, MPAD-S, MRAIL-4, MRAIL-2, MSTEP-1LD, MOPEN-4, MPCOV810, MSPLICE-S, MSPLICE-C | 2420 lbs. |



Rooftop Solution #1

This platform kit includes handrails, stairs, and a full platform cover.

- 8' square platform kit includes handrails, stairs, and an ice bridge
- Suitable for ground or rooftop sites and adjustable for flat or sloped surfaces
- Can be used with a variety of soil types



| Part # | Size | Sub Assembly | Weight |
|----------------|---------|--|-----------|
| MEP88-4LH32S1I | 8' x 8' | MEP48, MPAD-L, MRAIL-4, MRAIL-2, MSTEP-1LD, MOPEN-4, MIBP-2410, MSPLICE-S, MSPLICE-C | 2140 lbs. |



Platform Base Sections

Build a custom platform by combining standard sections to obtain the layout and features needed for your application.

- Welded design for strength, durability, and ease of installation
- Standard Hole Spacing
- Base withstands 6,000 - 8,000 lb of distributed load
- Manufactured with structural grade #5 expanded metal



| Part # | Size | Description | Weight |
|--------|---------|---------------------------------|----------|
| MEP42 | 4' x 2' | Modular Equipment Platform Base | 116 lbs. |
| MEP44 | 4' x 4' | Modular Equipment Platform Base | 220 lbs. |
| MEP46 | 4' x 6' | Modular Equipment Platform Base | 315 lbs. |
| MEP48 | 4' x 8' | Modular Equipment Platform Base | 409 lbs. |
| MEP53 | 5' x 3' | Modular Equipment Platform Base | 200 lbs. |
| MEP57 | 5' x 7' | Modular Equipment Platform Base | 400 lbs. |

EQUIPMENT PLATFORMS

Footpads & Extensions

Footpads are used to support and level platform base sections

- One footpad is required at each corner and at each base section connection point
- For additional platform height add footpad extension kits and footpad bracing kits
- Rubber mats recommended for rooftop applications
- Extension bracing kit includes the two end plates with attaching hardware; order bulk angle separately and field cut the diagonal braces for your application

| Part # | Pad Size | Description | Deck Height Adjustment | Weight |
|----------|-----------|-------------------------------|------------------------|---------|
| MPAD-S | 12" x 12" | Small Footpad | 13" - 18-1/2" | 22 lbs. |
| MPAD-L | 18" X 18" | Large Footpad | 13" - 18-1/2" | 38 lbs. |
| MPAD-S33 | 12" x 12" | Footpad with Extension | 27-1/2" - 32-1/2" | 43 lbs. |
| MPAD-S48 | 12" x 12" | Footpad with Extension | 42-1/2" - 47-1/2" | 60 lbs. |
| MPAD-L33 | 18" x 18" | Footpad with Extension | 27-1/2" - 32-1/2" | 60 lbs. |
| MPAD-L48 | 18" x 18" | Footpad with Extension | 42-1/2" - 47-1/2" | 75 lbs. |
| MPAD-BRC | N/A | Footpad Extension Bracing Kit | N/A | 6 lbs. |

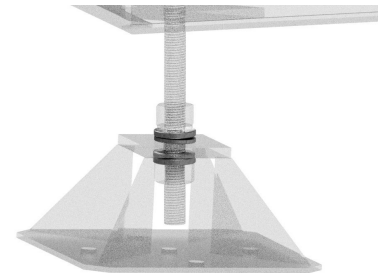


Leveling Kit for Sloped Surfaces

This leveling kit is used to support platforms on sloped sites.

- Allows for 3 degrees of adjustment (5/8" per foot)
- Beveled washer is designed to self-level as you tighten connection

| Part # | Description | Weight |
|--------|----------------------|--------|
| MLEVEL | Footpad Leveling Kit | 1 lb. |



Standard and Extended Jacks

Jacks are used to adjust platform perimeter height.

- Jack must be placed only on the perimeter of the platform
- MJACK cannot be combined with center supports
- Base combinations with interior connections use MPAD support only
- Rubber mats recommended for rooftop applications

| Part # | Pad Size | Description | Deck Height Adjustment | Weight |
|-----------|-----------|--|------------------------|---------|
| MJACK | 12" x 12" | 5,000 lb Side Crank Jack w/ Small Footpad | 13" - 28" | 35 lbs. |
| MJACK-EXT | 18" X 18" | 5,000 lb Side Crank Jack Extended w/ Large Footpad | 28" - 43" | 71 lbs. |



Access Point/Finishing Kit

This access point/finishing kit is used at handrail openings.

- MOPEN-4 must be used for handrail attachment
- Splice Kit required at each mating connection

| Part # | Description | Weight |
|---------|----------------------------|----------|
| MOPEN-4 | Access Point/Finishing Kit | 123 lbs. |



Handrail Kits

This handrail kit provides a safe work environment for maintenance personnel.

- Select from multiple options to achieve ideal fit
- Handrails are designed to accept additional square strut for equipment mounting
- IBC and OSHA compliant for maintenance traffic

| Part # | Size | Description | Weight |
|---------|----------|-----------------|----------|
| MRAIL-2 | 2' x 42" | 2' Handrail Kit | 30 lbs. |
| MRAIL-4 | 4' x 42" | 4' Handrail Kit | 64 lbs. |
| MRAIL-6 | 6' x 42" | 6' Handrail Kit | 104 lbs. |

| Part # | Description | Weight |
|-----------|---------------------------------|--------|
| MSPLICE-C | Corner Splice Connection Kits | 8 lbs. |
| MSPLICE-S | Straight Splice Connection Kits | 7 lbs. |



Step and Access Kits with Handrails

This platform stair kit provides access to elevated platforms.

- Stairs allow for 5" -7" vertical adjustment per step
- MOPEN-4 must be used for access points and handrail attachment
- Includes stairs, handrails, and hardware for 2-step, 3-step, and 4-step stairs



| Part # | Width | Platform Deck Height | Description | Weight |
|---------|---------|----------------------|---------------------------------|----------|
| MSTEP-1 | 35-1/2" | 9" - 14" | Fixed Height Stair Kit | 54 lbs. |
| MSTEP-2 | 32" | 14" - 23" | Two-Step Adjustable Stair Kit | 159 lbs. |
| MSTEP-3 | 32" | 19" - 34" | Three-Step Adjustable Stair Kit | 216 lbs. |
| MSTEP-4 | 32" | 24" - 43" | Four-Step Adjustable Stair Kit | 273 lbs. |



Step Kits without Handrails

This platform stair kit provides access to elevated platforms.

- Fixed steps allow for a standard 7" rise
- Floating designs do not require ground connection
- Provides access onto a level deck
- Does not require MOPEN-4



| Part # | Width | Platform Deck Height | Description | Weight |
|-----------|---------|----------------------|-----------------------------------|----------|
| MSTEP-1LD | 35-1/2" | 9" - 14" | One-Step Direct Connect Stair Kit | 82 lbs. |
| MSTEP-2LD | 35-1/2" | 14" - 23" | Two-Step Direct Connect Stair Kit | 143 lbs. |



EQUIPMENT PLATFORMS

Bolt-On Sliding Step

This platform stair kit provides a retractable step for a reduced footprint.

- Fixed steps allow for a standard 7" rise
- Floating designs do not require ground connection
- Provides access onto a level deck
- Does not require MOPEN-4



| Part # | Width | Platform Deck Height | Description | Weight |
|--------------|---------|----------------------|---|---------|
| MSTEP-SLIDE | 35-1/2" | 9" - 14" | One-Step Slidable Direct Connect Stair Kit | 95 lbs. |
| MSTEP-SLIDE8 | 35-1/2" | 9" - 14" | One-Step Slidable Direct Connect Stair Kit (8" Channel) | 95 lbs. |

Ramp Kit

This hinged ramp provides access for cabinets and other large equipment.

- Hinged design folds up when not in use to minimize real estate footprint
- Capacity of 2,000 lb to allow for dolly and cabinet entry
- MRAMP-5 does not require MOPEN-4 for connection
- Recommended deck height of 4" - 19.5" (not to exceed 20 degree slope)
- Maximum allowable desk height 26" (not to exceed 30 degree slope)
- Use chain guard kit to secure access point and lock ramp in place when in closed position
- Chain guard kit includes 4'-3" chain and hardware



| Part # | Width | Platform Deck Height | Description | Weight |
|---------|---------|----------------------|---------------------|----------|
| MRAMP-5 | 35-1/2" | 4" - 26" | Adjustable Ramp Kit | 163 lbs. |

| Part # | Description | Weight |
|--------|-----------------|--------|
| MCHAIN | Chain Guard Kit | 5 lbs. |

Ladder Kits

This ladder kit provides access to elevated platforms.

- Straight ladders require limited real estate
- Feature anti-slip rungs
- Designed with 16" wide climb path and 24" top opening for easy access
- Optional back grab rail available
- MOPEN-4 must be used with ladder options



| Part # | Width | Description | Weight |
|----------|-------|-------------------|---------|
| MLADDER1 | 16" | 1 Rung Ladder Kit | 45 lbs. |
| MLADDER3 | 16" | 3 Rung Ladder Kit | 64 lbs. |
| MLADDER5 | 16" | 5 Rung Ladder Kit | 78 lbs. |
| MBRAIL | N/A | Backing Rail Kit | 42 lbs. |

Rubber Mats

Rubber mats are used as a protective barrier between roofing materials and steel footpads.

- Each footpad and jack requires rubber mats for rooftop applications
- Designed to protect the integrity of rooftop
- Manufactured from UV-resistant 1/2" thick rubber

| Part # | Size | Weight |
|--------|------------------|---------|
| MAT18 | 1/2" x 18" x 48" | 16 lbs. |



Square Strut

This square strut provides a convenient way to attach equipment to platform handrails.

- Add strut to handrail to easily adapt to an equipment rack



| Part # | Description | Weight |
|-----------|--|---------|
| UNT5 | 1-5/8" x 5' Square Strut | 8 lbs. |
| UNT10 | 1-5/8" x 10' Square Strut | 19 lbs. |
| UNT10-HFK | 10' Strut has 7/16" x 3" slots with 4" spacing | 21 lbs. |



Platform Cover Kits

This kit provides a protective cover over the entire platform area.

- Shield equipment from falling ice and debris
- Allow for 9' cabinet height



| Part # | Description | Weight |
|-----------|--|-----------|
| MPCOV1012 | 10' x 12' Equipment Platform Cover Kit | 1140 lbs. |
| MPCOV610 | 6' x 10' Equipment Platform Cover Kit | 895 lbs. |
| MPCOV810 | 8' x 10' Equipment Platform Cover Kit | 930 lbs. |
| MPCOV812 | 8' x 12' Equipment Platform Cover Kit | 1019 lbs. |
| MPCOV1010 | 10' x 10' Equipment Platform Cover Kit | 1019 lbs. |



Pipe Mount Kit

This kits allows mounting small antennas to platform handrails.

- Easily attach GPS, microwave, or panel, or other small antennas to handrail
- Pipe mast mounts directly to handrails
- Accepts 1-1/2" to 5" OD pipes (sold separately)
- Includes top and bottom clamp sets and all hardware

| Part # | Pipe Size | Clamp Thickness | Threaded Rod | Kit Qty. | Weight |
|--------|-------------|-----------------|--------------|----------|---------|
| MPIPEM | 1-1/2" - 5" | 1/2" | 5/8" x 18" | Kit of 2 | 15 lbs. |



Cable Support



PIM-Mitigating Polymer Cable Support Bars & Pole Clamps

This low-PIM polymer cable support bar and pole clamp solution is engineered to maximize PIM mitigation. They are highly configurable and can be used in a variety of applications.

- Available in our PIM Shield® Product Guide
- High-performance polymer construction
- Remains stable under wind and vibration
- Mounts to round legs 2-3/8" to 4-1/2" diameter
- Very low-weight solution
- 3/4" holes accept low-PIM snap-ins, best performance when paired with our Gen 2 Snap-Ins



| Part # | Range | Positions | Weight |
|-------------|-------|-----------|--------|
| 902053-01 | 10" | 13 | 3 lbs. |
| 902053-02 | 18" | 13 | 4 lbs. |
| 902055-02-3 | 18" | 26 | 5 lbs. |

TrapBox™

This three-way bracket is used with stackable snap-in hangers to organize and support cable runs.

- 304 stainless steel trapezoid snap-in box
- For use with stackable snap-ins only
- Accepts hose clamps or 1/2" banding to attach directly to found members
- Attaches to angle adapters, tower standoff brackets, T-brackets etc. with 3/8" hardware
- If using 1-1/4" or 1-5/8" MonoBloc stackable snap-ins the center hole cannot be used (two runs only)
- Three 3/4" holes; maximum load is six 1-5/8" cables



| Part # | Size | Qty. | Weight |
|--------|--------------------------|---------|--------|
| TRAP3 | 3-1/4" x 1-1/2" x 1-1/2" | 10 pack | 1 lb. |

3-Way Universal PIM Standoff Adapters

This three-way PIM-mitigating bracket is used with snap-in hangers to organize and support cable runs.

- Available in our PIM Shield® Product Guide
- Weather-resistant nylon material
- Mount to round or flat members
- Include 3/4" and 3/8" accessory mounting holes
- Slots for 1/2" to 5/8" hose clamps, cable ties, or banding



| Part # | Size | Qty. | Weight |
|-----------|---------------------------|---------|--------|
| 900860-10 | 3-7/16" x 2-1/8" x 1-5/8" | 10 pack | 1 lb. |

CABLE SUPPORT BRACKETS

Banjo Box™

This nine-hole bracket is used with snap-in hangers to organize and support cable runs.

- Attaches to angle adapters, tower standoff brackets, T-brackets, etc. with 3/8" hardware
- Slotted holes for attachment with 1/2" or 3/4" banding
- Accepts up to nine snap-in hangers
- Hot-dip galvanized steel

| Part # | Size | Qty. | Weight |
|--------|---------------|------|--------|
| BJ09 | 10" x 5" x 2" | Each | 2 lbs. |



Cluster Box™

This nine-hole bracket is used with snap-in hangers to organize and support cable runs.

- Attaches to angle adapters, tower standoff brackets, T-brackets, etc. with 3/8" hardware
- Accepts up to six runs of 1-1/4" or 1-5/8" cables or nine runs of 1/2" or 7/8" cables with snap-in hangers
- Attach to round members up to 3" diameter with 1/2" U-bolt (ordered separately)
- Hot-dip galvanized steel

| Part # | Size | Qty. | Weight |
|--------|----------------------|------|--------|
| SNBX6 | 5-1/2" x 5-1/2" x 2" | Each | 1 lb. |



Mini Cluster Box™

This three-way bracket is used with snap-in hangers to organize and support cable runs.

- Attaches to angle adapters, tower standoff brackets, T-brackets, etc. with 3/8" hardware
- Accepts up to three snap-in hangers
- Hot-dip galvanized steel

| Part # | Size | Qty. | Weight |
|--------|----------------------|------|--------|
| SNBX3 | 2-1/2" x 2-1/2" x 2" | Each | 1 lb. |

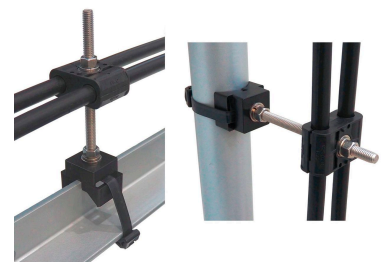


Multi-Function Cable Support Base

This versatile, cost-efficient, low-PIM bracket can be used in a variety of cable support applications.

- Available in our PIM Shield® Product Guide
- Mounts to angle or round members using low PIM acetal straps
- 3/8" accessory mounting hole
- 3/8" stainless steel nut included

| Part # | Description | Qty. | Weight |
|-----------|-----------------------------------|---------|--------|
| 901043-10 | Multi-Function Cable Support Base | 10 pack | 9 lbs. |



Cable Support Bars

These highly configurable low-PIM cable support bars can be used in a variety of applications.

- Available in our PIM Shield® Product Guide
- Galvanized steel construction
- Mounts to round legs 2-3/8" to 4-1/2" diameter
- Lower weight than competitive alternatives
- Double the number of connections by adding the Extra Bar kits
- 3/4" holes accept low-PIM snap-ins

| Part # | Description | Weight |
|-----------|---|--------|
| 900352-01 | Pole Mount Kit, 13-Position | 7 lbs. |
| 900352-02 | Pole Mount Kit, 13-Position, Extended Range | 7 lbs. |
| 900353-01 | Pole Mount Kit, 22-Position, Extended Range | 8 lbs. |
| 900353-02 | Pole Mount Kit, 22-Position, Extended Range | 9 lbs. |
| 900354 | Cable Support, Extra Bar Kit, 13-Position | 3 lbs. |
| 900355 | Cable Support, Extra Bar Kit, 22-Position | 5 lbs. |



Universal T-Bracket

This versatile low-PIM cable support bracket can be used on angle or pipe legs.

- Available in our PIM Shield® Product Guide
- Galvanized to avoid PIM issues with dissimilar metals
- Mounts to round legs or angle legs (60° or 90°)
- Stands 16" off tower leg and supports up to six runs of cable using snap-in hangers
- Hot-dip galvanized

| Part # | # of Snap-In Holes | Round Member Size | 60° Angle Legs | 90° Angle Legs | Weight |
|--------|--------------------|-------------------|----------------|----------------|--------|
| T600 | 6 | 1-1/2" - 6" | 2-1/2" - 8" | 2-1/2" - 5" | 6 lbs. |

| Part # | Description | Weight |
|--------|-----------------------------------|--------|
| T-EXT | Universal T-Bracket Extension Kit | 1 lb. |



Super Universal T-Brackets

This versatile low-PIM cable support bracket can be used on angle or pipe legs.

- Mounts to round legs or angle legs (60° or 90°)
- T1200 stands 18" off tower leg and supports up to 12 runs of cable using snap-in hangers
- T1800 stands 26" off tower leg and supports up to 18 runs of cable using snap-in hangers
- Hot-dip galvanized

| Part # | # of Snap-In Holes | Round Member Size | 60° Angle Legs | 90° Angle Legs | Weight |
|--------|--------------------|-------------------|----------------|----------------|--------|
| T1200 | 12 | 1-1/2" - 6" | 2-1/2" - 8" | 2-1/2" - 5" | 7 lbs. |
| T1800 | 18 | 1-1/2" - 6" | 2-1/2" - 8" | 2-1/2" - 5" | 9 lbs. |

| Part # | Description | Weight |
|--------|-----------------------------------|--------|
| T-EXT | Universal T-Bracket Extension Kit | 1 lb. |



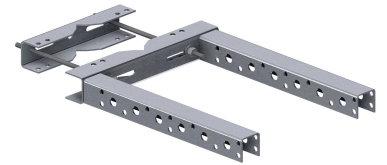
Super Universal Double T-Brackets

This versatile low-PIM cable support bracket can be used on angle or pipe legs.

- Mounts to round legs or angle legs (60° or 90°)
- DBT1200 stands 18" off tower leg and supports up to 24 runs of cable using snap-in hangers
- DBT1800 stands 26" off tower leg and supports up to 36 runs of cable using snap-in hangers
- Hot-dip galvanized

| Part # | # of Snap-In Holes | Round Member Size | 60° Angle Legs | 90° Angle Legs | Weight |
|---------|--------------------|-------------------|----------------|----------------|---------|
| DBT1200 | 24 | 1-1/2" - 6" | 2-1/2" - 8" | 2-1/2" - 5" | 13 lbs. |
| DBT1800 | 36 | 1-1/2" - 6" | 2-1/2" - 8" | 2-1/2" - 5" | 16 lbs. |

| Part # | Description | Weight |
|--------|-----------------------------------|--------|
| T-EXT | Universal T-Bracket Extension Kit | 1 lb. |



Heavy-Duty Universal Cable Support Brackets

This versatile cable support bracket can be used on round legs or PiRod knock-down legs.

- Heavy-duty construction
- Mount to round legs
- Can be bolted directly to PiRod knock-down legs with included hardware
- UTL4 and UTL8 stand 17-1/2" off tower leg; UTL14 stands 26" off tower leg
- Punched with 3/4" holes for snap-in hangers and 7/16" holes for 3/8" hardware
- Hot-dip galvanized

| Part # | # of Snap-In Holes | Round Member Size | Weight |
|----------|--------------------|-------------------|---------|
| UTL4 | 4 | 1-1/2" - 5-1/2" | 6 lbs. |
| UTL8 | 8 | 1-1/2" - 5-1/2" | 11 lbs. |
| UTL14 | 14 | 1-1/2" - 5-1/2" | 12 lbs. |
| UTL4-LL | 4 | 5-1/2" - 10" | 49 lbs. |
| UTL8-LL | 8 | 5-1/2" - 10" | 53 lbs. |
| UTL14-LL | 14 | 5-1/2" - 10" | 55 lbs. |

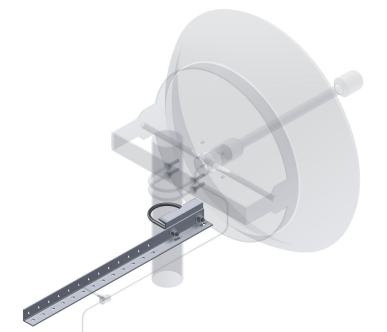


Antenna Waveguide Support Bracket

Use this kit to support waveguide behind a parabolic antenna.

- Provides support for the horizontal waveguide between the antenna and cable ladder
- Mounts to 4-1/2" OD antenna mounting pipe
- 36" support arm has thirteen 7/16" holes on 2" centers
- Cable support hardware purchased separately

| Part # | Description | Weight |
|--------|-----------------------------------|---------|
| AWSB | Antenna Waveguide Support Bracket | 12 lbs. |



Universal Round-Member Support Bracket

This cable support brackets is used with banding for difficult large-diameter applications.

- Use on large diameter round members such as monopoles or water tower legs
- Attach with 1/2" banding or lag screws if using on a wood pole
- Punched with 3/4" holes for snap-in hangers and 7/16" holes for 3/8" hardware
- Multiple brackets can be used on the same length of banding

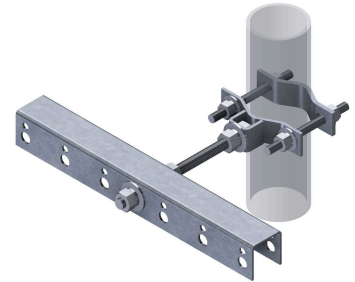


| Part # | # of Snap-In Holes | # of 7/16" Holes | Weight |
|--------|--------------------|------------------|--------|
| MS6 | 6 | 6 | 1 lb. |

PIM-Mitigating Multi-Run Cable Support Kit

This low-PIM multi-run cable support kit mounts to round members up to 3-1/2".

- Available in our PIM Shield® Product Guide
- Mounts to round legs
- Stands off less than 12"
- Punched with 3/4" holes for snap-in hangers and 7/16" holes for 3/8" hardware
- Hot-dip galvanized



| Part # | # of Snap-In Holes | # of 7/16" Holes | Weight |
|----------|--------------------|------------------|--------|
| RRU-UT12 | 12 | 12 | 8 lbs. |

PIM-Mitigating T-Brackets

This low-PIM multi-run cable support kit mounts to round members up to 3-1/2".

- Available in our PIM Shield® Product Guide
- Brackets are galvanized to avoid PIM issues with dissimilar metals
- Fit 2-3/8" to 4-1/2" OD legs
- Purchase 1/2" U-bolts separately
- Include holes for snap-in hangers and for 3/8" hardware



| Part # | # of Snap-In Holes | # of 7/16" Holes | Weight |
|--------|--------------------|------------------|--------|
| UT4-FB | 4 | 8 | 2 lbs. |
| UT6-FB | 6 | 14 | 2 lbs. |
| UT8-FB | 8 | 18 | 3 lbs. |

Site-Strut

This versatile strut can be used to solve a variety of cable support issues at as communication site.

- 1-5/8" x 7/8" x 10' strut pre-punched with 3/4" holes to accept snap-in hangers
- 7/16" x 1-1/8" slots separate the snap-in holes
- Sold in 10' lengths; hot-dip galvanized
- 3" center-to-center spacing on matching holes



| Part # | Length | Weight |
|--------|--------|---------|
| SNT10 | 10' | 11 lbs. |

Square Strut

This versatile strut can be used to solve a variety of cable support issues at a communication site.

- 1-5/8" x 1-5/8" heavy-duty 12 ga slotted square strut
- Available in electro galvanized, hot-dip galvanized, and stainless steel versions



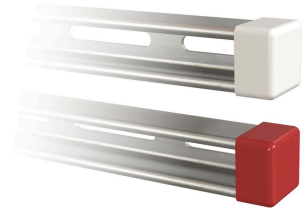
| Part # | Length | Slot Size | Spacing | Finish | Weight |
|----------|--------|----------------|---------|--------------------|---------|
| US10 | 10' | 9/16" x 1-1/8" | 2" | Electro Galvanized | 15 lbs. |
| US10-HDG | 10' | 9/16" x 1-1/8" | 2" | Hot-Dip Galvanized | 19 lbs. |

Rubber End Caps

These caps are used on the end of strut to cover sharp edges and to provide a finished look.

- Molded rubber end caps for 1-5/8" x 1-5/8" and 1-5/8" x 7/8" strut

| Part # | Strut Size | Color | Weight |
|--------|------------|-------|--------|
| UNICAP | 1-5/8" | White | 1 lb. |
| REDCAP | 1-5/8" | Red | 1 lb. |
| CAP78 | 7/8" | White | 1 lb. |



Waveguide Brackets

This versatile bracket can support multiple cable runs on a tower or wall.

- Heavy-duty brackets can be wall mounted or used on ladders, etc
- 3/4" holes for snap-ins and 7/16" holes for 3/8" hardware
- Hot-dip galvanized
- 3" center-to-center spacing on matching holes

| Part # | Length | Finish | # of 7/16" Holes | Weight |
|--------|---------|--------|------------------|--------|
| WG4 | 13-1/2" | 4 | 5 | 2 lbs. |
| WG6 | 19-3/4" | 6 | 7 | 2 lbs. |
| WG9 | 28-3/4" | 9 | 10 | 2 lbs. |
| WG12 | 37-3/4" | 12 | 13 | 3 lbs. |



Spring Nuts

Use spring nuts to attach accessories to strut using 3/8" hardware.

- Accept 3/8" hardware
- SP78 is electro galvanized; SP158 is hot-dip galvanized

| Part # | Strut Size | Weight |
|--------|-----------------|--------|
| SP78 | 1-5/8" x 7/8" | 1 lb. |
| SP158 | 1-5/8" x 1-5/8" | 1 lb. |

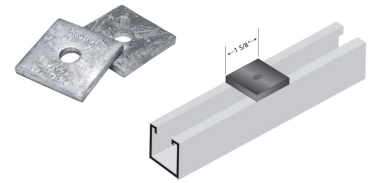


Square Nuts

Use square nuts to attach accessories to strut using 3/8" hardware.

- Accepts 3/8" hardware
- Works with all 1-5/8" struts
- Hot-dip galvanized

| Part # | Strut Size | Qty. | Weight |
|--------|------------|------|--------|
| SQN1 | 1-5/8" | Each | 1 lb. |



Universal Square Rail Snap-In Support

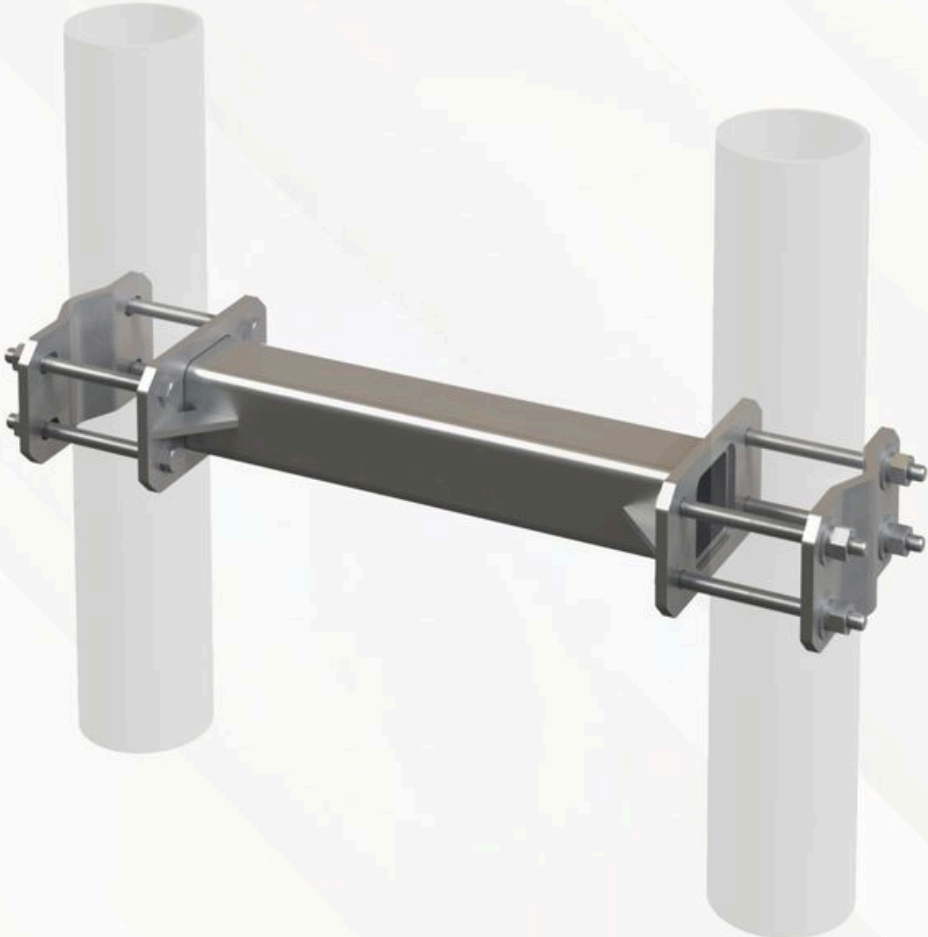
This adapter allows direct attachment of snap-in hangers to 1-5/8" strut.

- 304 stainless steel construction
- Snap into 1-5/8" wide square rail or strut
- For use with standard or stackable snap-in hangers

| Part # | Description | Qty. | Weight |
|--------|-----------------------------|---------|--------|
| ARA22 | Square Rail Snap-In Support | 10 pack | 1 lb. |



Hardware

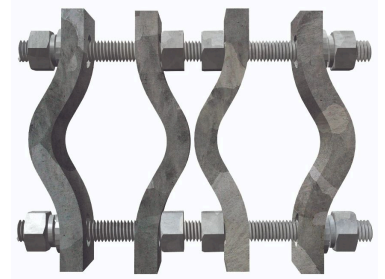


Pipe-to-Pipe Clamp Sets

This clamp kit enables mounting of two pipes in a back-to-back configuration.

- Used for attaching pipes in parallel orientation
- All hardware included
- Hot-dip galvanized

| Part # | Pipe Size | Clamp Thickness | Threaded Rod | Kit Qty. | Weight |
|--------|-----------------|-----------------|--------------|----------|---------|
| ACP10K | 1-1/2" - 3-1/2" | 1/4" | 1/2" x 10" | Kit of 2 | 8 lbs. |
| SCP10K | 1-1/2" - 3-1/2" | 1/2" | 1/2" x 10" | Kit of 2 | 12 lbs. |
| DCP12K | 1-1/2" - 5" | 1/2" | 5/8" x 12" | Kit of 2 | 21 lbs. |
| DCP18K | 1-1/2" - 5" | 1/2" | 5/8" x 18" | Kit of 2 | 25 lbs. |



Welded Pipe-to-Pipe Clamp Sets

This clamp kit enables mounting of two pipes in a back-to-back configuration.

- Used for attaching pipes in parallel orientation
- All hardware included
- Hot-dip galvanized

| Part # | Pipe Size | Clamp Thickness | Threaded Rod | Kit Qty. | Weight |
|--------|-----------------|-----------------|--------------|----------|---------|
| SCP10W | 1-1/2" - 3-1/2" | 1/2" | 1/2" x 10" | Kit of 2 | 11 lbs. |

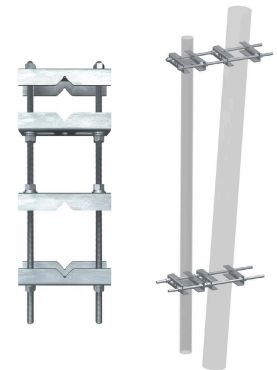


Universal Pipe-to-Pipe Clamp Sets

This clamp kit enables mounting of two pipes in a back-to-back configuration.

- Universal design allows attachment of pipes to pipes or angles
- Wide operating ranges insures that you will always have the right clamp set
- Taper adjustable
- Kits include upper and lower clamp sets

| Part # | Pipe Size | Angle Size | Threaded Rod | Threaded Rod | Kit Qty. | Weight |
|--------|--------------------------------|-------------------------|--------------|----------------|----------|---------|
| UPC1 | 1-1/4" - 4-1/2" | 1-1/2" - 3" | 1/2" x 10" | (4) 1/2" x 10" | Kit of 2 | 19 lbs. |
| UPC2 | 1-1/4" - 4-1/2" 1-1/2" - 3" | 1-1/4" - 10" 3" - 7" | 1/2" x 10" | (8) 1/2" x 15" | Kit of 2 | 22 lbs. |

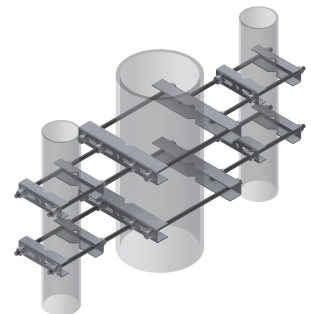


Three-Way Universal Pipe-to-Pipe Clamp Sets

This set is used for attaching pipes in a parallel fashion.

- Accommodates pipe or square tube in center
- All hardware included
- Hot-dip galvanized steel

| Part # | Side Pipes Size | Center Pipe Size | Threaded Rod | Kit Qty. | Weight |
|----------|-----------------|------------------|--------------|----------|---------|
| 3WPP-UPC | 1-1/4" - 4-1/2" | 1-1/4" - 10" | 1/2" x 15" | Kit of 2 | 32 lbs. |



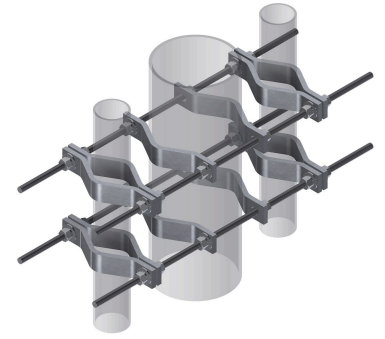
CLAMP SETS & CROSSOVERS

Three-Way Pipe-to-Pipe Clamp Sets

This clamp kit enables mounting of three pipes in a back-to-back configuration.

- Used for attaching pipes in parallel fashion
- All hardware included
- Hot-dip galvanized

| Part # | Pipe Size | Clamp Thick Ness | Threaded Rod | Qty. | Weight |
|----------|-------------|------------------|--------------|----------|---------|
| 3WPP-DCP | 1-1/2" - 5" | 1/2" | 5/8" x 24" | Kit of 2 | 42 lbs. |



Universal Standoff Pipe-To-Pipe Kits

These heavy-duty pipe clamps provide a robust standoff solution for mast pipes.

- Attaches to 2.375" - 4.5" O.D. members
- Allows parallel pipe to pipe connections
- Hot-dip galvanized steel construction

| Part # | Standoff Distance | Round Member Size | Weight |
|-----------|-------------------|--------------------|---------|
| SOPTP6-U | 6" | 2.375" - 4.5" O.D. | 28 lbs. |
| SOPTP12-U | 12" | 2.375" - 4.5" O.D. | 33 lbs. |
| SOPTP18-U | 18" | 2.375" - 4.5" O.D. | 38 lbs. |
| SOPTP24-U | 24" | 2.375" - 4.5" O.D. | 53 lbs. |



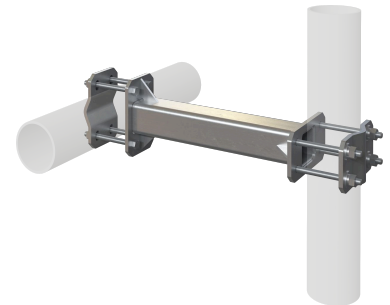
Standoff Crossover Kit

These universal standoff crossovers help offset antenna distances from their attachment points

- Attaches to 2.375" - 4.5" O.D. member
- Allows horizontal to vertical 90° connection
- Includes 6" standoff
- Hot-dip galvanized steel construction

| Part # | Standoff Distance | Round Member Size | Weight |
|----------|-------------------|--------------------|---------|
| SOCX3-U | 3" | 2.375" - 4.5" O.D. | 25 lbs. |
| SOCX6-U | 6" | 2.375" - 4.5" O.D. | 28 lbs. |
| SOCX9-U | 9" | 2.375" - 4.5" O.D. | 30 lbs. |
| SOCX12-U | 12" | 2.375" - 4.5" O.D. | 33 lbs. |
| SOCX18-U | 18" | 2.375" - 4.5" O.D. | 38 lbs. |
| SOCX24-U | 24" | 2.375" - 4.5" O.D. | 42 lbs. |

| Part # | Description | Weight |
|----------|--------------------------------------|---------|
| BSMH-DCF | Base Shoe Platform Mounting Hardware | 10 lbs. |



Crossover Plates

Crossover plates are used to attach two pipes perpendicular to each other

- Heavy-duty crossover plates are used to attach pipes in 90° fashion
- U-bolts sold separately
- Hot-dip galvanized

| Part # | Smaller Pipe Size | Larger Pipe Size | Size | Qty. | Weight |
|--------|-------------------|------------------|--------------------|--------------------|--------|
| SCX1 | 2-3/8" | 2-3/8" | 3/8" x 6" x 6" | Each (No Hardware) | 4 lbs. |
| SCX2 | 2-3/8" - 2-7/8" | 2-3/8" - 2-7/8" | 3/8" x 7" x 7" | Each (No Hardware) | 5 lbs. |
| SCX3 | 3-1/2" | 3-1/2" | 3/8" x 8" x 9" | Each (No Hardware) | 7 lbs. |
| SCX4 | 2-3/8" - 2-7/8" | 2-7/8" - 4-1/2" | 3/8" x 7" x 8-1/2" | Each (No Hardware) | 6 lbs. |
| SCX6 | 2-3/8" - 2-7/8" | 4-1/2" - 6-5/8" | 1/2" x 7" x 11" | Each (No Hardware) | 9 lbs. |
| SCX7 | 3-1/2" | 4-1/2" | 3/8" x 7" x 8" | Each (No Hardware) | 7 lbs. |

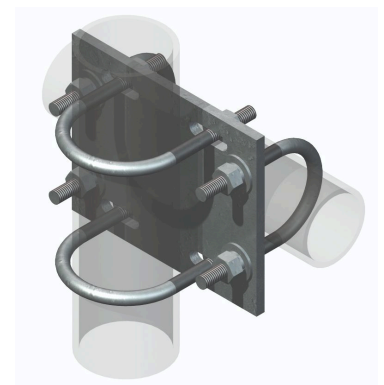


Crossover Plate Kits

Crossover plate kits are used to attach two pipes perpendicular to each other

- Heavy-duty crossover plate kits are used to attach pipes in 90° fashion
- U-bolts and hardware are included
- Hot-dip galvanized

| Part # | Smaller Pipe Size | Larger Pipe Size | Thickness | Qty. | Weight |
|---------|-------------------|------------------|-----------|-------------------------------|---------|
| SCX1-K | 2-3/8" | 2-3/8" | 3/8" | 1 Plate, 4 U-Bolts & Hardware | 7 lbs. |
| SCX2-K | 2-3/8" | 2-7/8" | 3/8" | 1 Plate, 4 U-Bolts & Hardware | 8 lbs. |
| SCX23-K | 2-7/8" | 2-7/8" | 3/8" | 1 Plate, 4 U-Bolts & Hardware | 8 lbs. |
| SCX3-K | 3-1/2" | 3-1/2" | 3/8" | 1 Plate, 4 U-Bolts & Hardware | 10 lbs. |
| SCX43-K | 2-3/8" | 3-1/2" | 3/8" | 1 Plate, 4 U-Bolts & Hardware | 9 lbs. |
| SCX4-K | 2-3/8" | 4-1/2" | 3/8" | 1 Plate, 4 U-Bolts & Hardware | 16 lbs. |
| SCX45-K | 2-7/8" | 3-1/2" | 3/8" | 1 Plate, 4 U-Bolts & Hardware | 16 lbs. |
| SCX6-K | 2-7/8" | 4-1/2" | 1/2" | 1 Plate, 4 U-Bolts & Hardware | 12 lbs. |
| SCX7-K | 3-1/2" | 4-1/2" | 1/2" | 1 Plate, 4 U-Bolts & Hardware | 11 lbs. |
| SCX34-K | 4-1/2" | 4-1/2" | 3/8" | 1 Plate, 4 U-Bolts & Hardware | 13 lbs. |

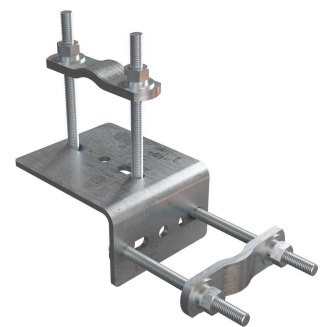


Universal Crossover Angle

Crossover angle kits are used to attach two pipes perpendicular to each other.

- Used to attach pipes in 90° fashion
- Hardware included
- Hot-dip galvanized

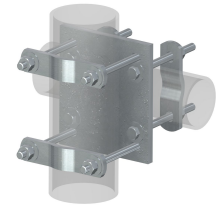
| Part # | Smaller Pipe Size | Larger Pipe Size | Thickness | Qty. | Weight |
|--------|-------------------|------------------|-----------|------------------------------|--------|
| XA-U | 1-1/2" - 3-1/2" | 1-1/2" - 3-1/2" | 1/4" | 1 Angle, 2 Clamps & Hardware | 8 lbs. |



Universal Crossover Plate Kits

Crossover plate kits are used to attach two pipes perpendicular to each other

- Accommodate the new sizes of antenna pipes being used today
- Universal feature removes uncertainty in the field
- All hardware included
- Hot-dip galvanized

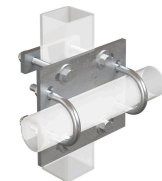


| Part # | Smaller Pipe Size | Larger Pipe Size | Thickness (Hardware Size) | Qty. | Weight |
|--------|-------------------|------------------|---------------------------|--------------------------------|---------|
| SCX3-U | 1-1/2" - 4-1/2" | 1-1/2" - 4-1/2" | 3/8" (1/2") | 1 Plate, 4 V-Clamps & Hardware | 16 lbs. |
| SCX6-U | 1-1/2" - 2-7/8" | 2-1/2" - 6" | 1/2" (1/2") | 1 Plate, 4 V-Clamps & Hardware | 17 lbs. |
| SCX7-U | 1-1/2" - 3-1/2" | 1-1/2" - 4-1/2" | 1/2" (1/2") | 1 Plate, 4 V-Clamps & Hardware | 16 lbs. |

Crossover Plate Kits for Square Tube/Pipe

These crossover plate kits are used to attach pipe and square tube perpendicular to each other

- These kits are used to attach pipe to square tube in 90° fashion
- U-bolts and hardware included
- Hot-dip galvanized

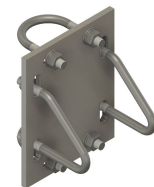


| Part # | Pipe Size | Square Tube Size | Thickness | Quantity | Weight |
|----------|------------------|------------------|-----------|---|---------|
| STCX43-K | 2-3/8" | Up to 3" | 3/8" | 1 Plate, 2 U-Bolts, 2 Bolts & Backing Plates | 12 lbs. |
| STCX45-K | 2-7/8" | Up to 3" | 3/8" | 1 Plate, 2 U-Bolts, 2 Bolts & Backing Plates | 12 lbs. |
| SQCX4-K | 2-3/8" or 2-7/8" | 4" | 3/8" | 1 Plate, 4 U-Bolts, 2 Square U-Bolts & Hardware | 11 lbs. |

Pipe/Angle Crossover Plate Kits

These crossover plate kits are used to attach pipe and angle perpendicular to each other

- Used for attaching pipe to angle in 90° fashion
- U-bolts and hardware included
- Hot-dip galvanized



| Part # | Angle Size | Pipe Size | Thickness | Qty. | Weight |
|----------|------------|-----------|-----------|-------------------------------|---------|
| ACX238-K | 3" x 3" | 2-3/8" | 3/8" | 1 Plate, 4 U-Bolts & Hardware | 10 lbs. |
| ACX278-K | 3" x 3" | 2-7/8" | 3/8" | 1 Plate, 4 U-Bolts & Hardware | 10 lbs. |

Handrail Antenna Pipe Mounting Bracket Kits

These kits provide a secure means of attaching antennas to pipe or angle handrails.

- Accepts mounting pipes 2" - 4-1/2" OD
- Kits include two brackets, U-bolts and all hardware
- Order antenna mounting pipe separately



| Part # | Mounts To | Weight |
|--------|--|---------|
| HMB-AU | Angles 1" x 1" to 4" x 4" at 1/8" - 1/2" Thick | 23 lbs. |
| HMB-P | Pipe 1-1/2" to 3-1/2" | 13 lbs. |

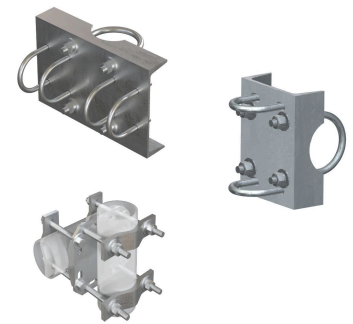


Pipe Cross Support Plates

This kit provides a secure means of mounting horizontal support pipes.

- Heavy-duty saddle design prevents pipe rotation
- Hardware included
- Hot-dip galvanized

| Part # | Smaller Pipe Size | Larger Pipe Size | Contents | Weight |
|---------|-------------------|------------------|--------------------------------|---------|
| FCX45-U | 2-3/8" - 4-1/2" | 2-3/8" - 4-1/2" | 1 Plate, 4 V-Clamps & Hardware | 26 lbs. |
| SP219 | 2-3/8" | 3-1/2" | 1 Bracket, 4 U-Bolts | 11 lbs. |
| SP219-H | 2-7/8" | 3-1/2" | 1 Bracket, 4 U-Bolts | 13 lbs. |
| SP216 | 3-1/2" | 4-1/2" | 1 Bracket, 6 U-Bolts | 30 lbs. |

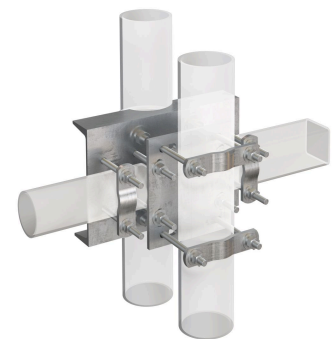


Pipe/Square Tube Cross Support Plate

This kit provides a secure means of mounting pipes.

- Heavy-duty saddle attaches to 4-1/2" OD vertical pipe
- Includes hardware to support square tube or pipe up to 3-1/2"
- All hardware included

| Part # | Smaller Pipe Size/Square Tube Size | Larger Pipe Size | Contents | Weight |
|----------|------------------------------------|------------------|--|---------|
| SP216-CK | 1-1/2" to 3-1/2" | 4-1/2" | 1 Bracket, 1 Crossover Plate, 12 Bolts, 4 V-Clamps | 45 lbs. |

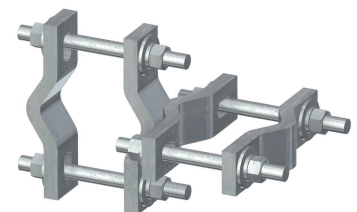


Crossover Clamp Sets

Crossover clamp sets are used to attach two pipes perpendicular to each other

- Used for attaching pipes in 90° junction
- All hardware included
- Hot-dip galvanized

| Part # | Smaller Pipe Size | Larger Pipe Size | Weight |
|--------|-------------------|-------------------|---------|
| SACK | Ø1-1/2" - Ø3-1/2" | Ø1-1/2" - Ø3-1/2" | 6 lbs. |
| DACK | Ø1-1/2" - Ø3-1/2" | Ø2-3/8" - Ø5" | 10 lbs. |

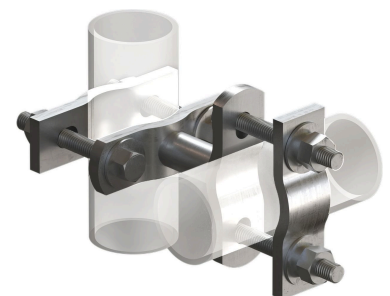


V-Clamp Crossover

This crossover connection provides a small 3" standoff at 90°.

- Used for attaching pipes in perpendicular orientation
- All hardware included
- Hot-dip galvanized

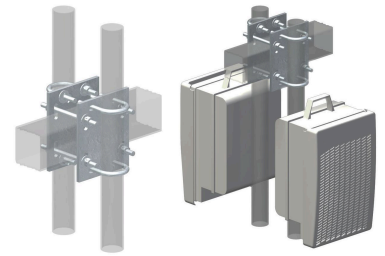
| Part # | Pipe Size | Plate Thickness | Standoff Distance | Weight |
|---------|---------------|-----------------|-------------------|--------|
| VCX1-2K | 1.9" - 2.375" | 3/8" | 2-3/4" | 6 lbs. |



Back-to-Back Pipe Mount Kits

This kit provides a simple way to add RRU's to a monopole standoff arm.

- Provide back-to-back pipes, useful for RRU mounting
- BBPM-U uses clamp halves for universal pipe sizes
- Order mounting pipes separately



| Part # | Pipe Sizes | Stand-Off Arms | Weight |
|---------|-----------------|-----------------|---------|
| BBPM-K1 | 2-3/8" | 3-1/2" - 4-1/2" | 18 lbs. |
| BBPM-K2 | 2-7/8" | 3-1/2" - 4-1/2" | 18 lbs. |
| BBPM-K3 | 2-3/8" | 3-1/2" - 6" | 20 lbs. |
| BBPM-U | 2-3/8" - 4-1/2" | 2-3/8" - 4-1/2" | 25 lbs. |

Clamp Halves

These versatile clamps have many uses at communication sites.

- Used in many of our kits, these parts can be problem solvers in the field
- Hot-dip galvanized

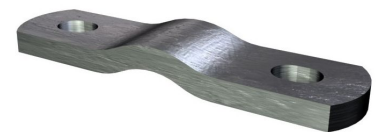


| Part # | Overall Size | Hardware Size | Hole Size | Hole Spacing (c-c) | Thickness | Weight |
|--------|--------------|---------------|--------------|--------------------|-----------|--------|
| ACP | 5-3/4" | 1/2" | 9/16" x 3/4" | 4-1/16" | 1/4" | 1 lb. |
| SCP | 5-3/4" | 1/2" | 9/16" x 3/4" | 4-1/16" | 1/2" | 1 lb. |
| DCP | 8-1/8" | 5/8" | 11/16" x 1" | 5-3/4" | 1/2" | 2 lbs. |
| MCP | 11-5/8" | 5/8" | 11/16" x 1" | 9-1/2" | 1/2" | 3 lbs. |

V-Clamp Halves

These versatile clamps have many uses at communication sites.

- Used in many of our kits, these parts can be problem solvers in the field
- Hot-dip galvanized

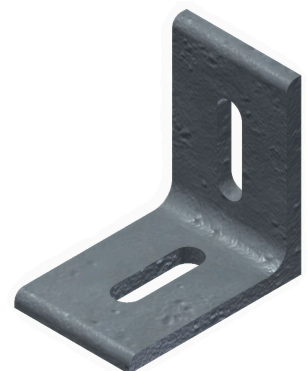


| Part # | Overall Size | Hardware Size | Hole Size | Hole Spacing (c-c) | Thickness | Weight |
|----------|--------------|---------------|--------------|--------------------|-----------|--------|
| X-116165 | 5" | 1/2" | 9/16" x 3/4" | 3" | 3/8" | 1 lb. |
| X-100064 | 6" | 1/2" | 9/16" x 3/4" | 4" | 3/8" | 1 lb. |
| X-115765 | 7" | 1/2" | 9/16" x 3/4" | 5" | 3/8" | 1 lb. |
| X-104223 | 8-5/8" | 1/2" | 9/16" x 3/4" | 6-5/8" | 3/8" | 1 lb. |

Heavy-Duty Clip Angles

These versatile parts have many uses at communication sites.

- Used for attaching steel components such as ice bridge sections, etc
- Available for 3/8" and 1/2" hardware
- Slotted holes allow use in a wide range of applications
- Hot-dip galvanized



| Part # | Hardware Size | Slot Size | Dimensions | Weight |
|--------|---------------|----------------|---------------------|--------|
| CA38 | 3/8" | 7/16" x 1-1/2" | 3" x 3" x 2" x 1/4" | 1 lb. |
| CA12 | 1/2" | 9/16" x 1-1/2" | 3" x 3" x 2" x 1/4" | 1 lb. |

Light-Duty Clip Angles

This product is useful for supporting wires, brackets, sheet metal, and more, as utilized in our rooftop cable kits.

- Slotted holes allow use in a wide range of applications
- Hot-dip galvanized steel

| Part # | Description | Slot Size | Dimensions | Weight |
|---------|-------------|----------------|-------------------------|--------|
| RCCLIP | Short Clip | 7/16" x 1-1/4" | 3" x 3" x 2" x 12 ga | 1 lb. |
| RCCLIP2 | Long Clip | 7/16" x 1-1/4" | 3" x 7-1/2" x 2" x 9 ga | 1 lb. |

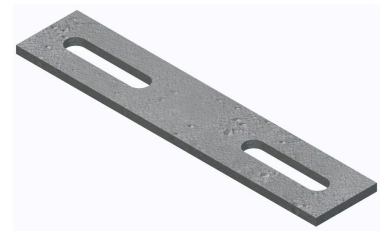


Universal Heavy Splice

This versatile part has many uses at communication sites.

- Real problem solvers; we use them in our cable ladder and ice bridge kits, you can use them to support wires, brackets, sheet metal, etc
- Slotted holes allow use in a wide range of applications
- Hot-dip galvanized

| Part # | Slot Size | Dimensions | Thickness | Weight |
|--------|----------------|-----------------|-----------|--------|
| SPLICE | 7/16" vs 4/16" | 1-1/2" x 7-3/8" | 3-16" | 1 lb. |



Bulk Pipe

This hot-dip galvanized pipe is available in a variety of sizes.

- Plain-end hot-dip galvanized pipe
- ASTM A53 Grade B Schedule 40 or Schedule 80
- Other sizes available, please inquire



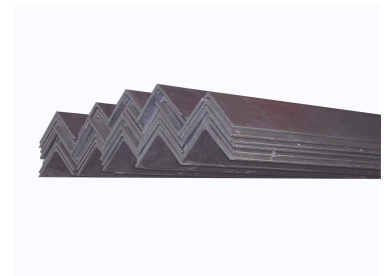
| Part # | Outer Diameter (OD) (in) | Length (in) | Schedule | Weight |
|-----------|--------------------------|-------------|----------|----------|
| P263 | 2-3/8 | 63 | 40 | 18 lbs. |
| P272 | 2-3/8 | 72 | 40 | 23 lbs. |
| P284 | 2-3/8 | 84 | 40 | 26 lbs. |
| P296 | 2-3/8 | 96 | 40 | 28 lbs. |
| P2108 | 2-3/8 | 108 | 40 | 34 lbs. |
| P2120 | 2-3/8 | 120 | 40 | 37 lbs. |
| P2132 | 2-3/8 | 132 | 40 | 40 lbs. |
| P2156 | 2-3/8 | 156 | 40 | 43 lbs. |
| P2180 | 2-3/8 | 180 | 40 | 55 lbs. |
| P2252 | 2-3/8 | 252 | 40 | 77 lbs. |
| P3072 | 2-7/8 | 72 | 40 | 35 lbs. |
| P3084 | 2-7/8 | 84 | 40 | 41 lbs. |
| P3096 | 2-7/8 | 96 | 40 | 49 lbs. |
| P30120 | 2-7/8 | 120 | 40 | 60 lbs. |
| P30132 | 2-7/8" | 132" | 40 | 70 lbs. |
| P30156 | 2-7/8 | 156 | 40 | 78 lbs. |
| P30180 | 2-7/8 | 180 | 40 | 90 lbs. |
| P30252 | 2-7/8 | 252 | 40 | 122 lbs. |
| P360 | 3-1/2 | 60 | 40 | 38 lbs. |
| P372 | 3-1/2 | 72 | 40 | 47 lbs. |
| P384 | 3-1/2 | 84 | 40 | 53 lbs. |
| P396 | 3-1/2 | 96 | 40 | 61 lbs. |
| P3156 | 3-1/2 | 156 | 40 | 92 lbs. |
| P472 | 4-1/2 | 72 | 40 | 65 lbs. |
| P4126 | 4-1/2 | 126 | 40 | 106 lbs. |
| P4252 | 4-1/2 | 252 | 40 | 249 lbs. |
| P2252-80 | 2-3/8 | 252 | 80 | 106 lbs. |
| P30252-80 | 2-7/8 | 252 | 80 | 170 lbs. |
| P3252-80 | 3-1/2 | 252 | 80 | 217 lbs. |

Bulk Angle

This hot-dip galvanized angle is available in a variety of sizes.

- 20' lengths of hot-dip galvanized angle
- Available in 36 ksi or 50 ksi

| Part # | Size | Grade | Weight |
|--------|----------------------|-------------------------------|----------|
| ANG214 | 2" x 2" x 1/4" x 20' | 36 ksi | 52 lbs. |
| ANG314 | 3" x 3" x 1/4" x 20' | Dual-Certified (Meets 50 ksi) | 102 lbs. |
| ANG414 | 4" x 4" x 1/4" x 20' | Dual-Certified (Meets 50 ksi) | 138 lbs. |



U-Bolts

These U-bolts are hot-dip galvanized and available in a variety of commonly used sizes.

- Kits include U-bolt, two nuts, two lock washers, and two flat washers
- Long thread lengths
- Hot-dip galvanized
- SAE J429 GR-5 for 5/8" diameter; all others SAE J429 GR-2
- Available individually or in bucket quantities

| Part # | Diameter (D) | Width (W) | Length (L) | Thread (T) | Qty. | Weight |
|----------|--------------|-----------|------------|------------|------|---------|
| UB5418-B | 5/8" | 4-1/8" | 7" | 3" | 25 | 46 lbs. |
| UB3200-B | 3/8" | 2" | 3" | 1-1/4" | 100 | 43 lbs. |
| UB3212-B | 3/8" | 2-1/2" | 3-5/8" | 1-3/4" | 100 | 48 lbs. |
| UB3300-B | 3/8" | 3" | 4-1/4" | 2" | 100 | 53 lbs. |
| UB3312-B | 3/8" | 3-1/2" | 4-3/4" | 2" | 100 | 45 lbs. |
| UB3418-B | 3/8" | 4" | 5-3/4" | 2-1/2" | 100 | 63 lbs. |
| UB1400-B | 1/2" | 2" | 4" | 2" | 100 | 70 lbs. |
| UB1212-B | 1/2" | 2-1/2" | 4-1/2" | 2" | 100 | 68 lbs. |
| UB1300-B | 1/2" | 3" | 5" | 2" | 50 | 43 lbs. |
| UB1358-B | 1/2" | 3-5/8" | 5-1/2" | 3" | 50 | 41 lbs. |
| UB1306-B | 1/2" | 3-5/8" | 6" | 3" | 50 | 43 lbs. |
| UB1418-B | 1/2" | 4-1/8" | 6" | 3" | 25 | 26 lbs. |
| UB1458-B | 1/2" | 4-5/8" | 7" | 3" | 25 | 26 lbs. |
| UB5258-B | 5/8" | 2-5/8" | 4-1/2" | 2" | 25 | 33 lbs. |
| UB5300-B | 5/8" | 3" | 5-1/4" | 2-1/2" | 25 | 40 lbs. |
| UB5358-B | 5/8" | 3-5/8" | 6" | 3" | 25 | 40 lbs. |
| UB5458-B | 5/8" | 4-5/8" | 7" | 3" | 25 | 46 lbs. |



Square U-Bolts

These U-bolts are hot-dip galvanized and are sold individually or in bulk.

- Kits include U-bolt, two nuts, two lock washers, and two flat washers
- Long thread lengths
- Hot-dip galvanized
- SAE J429 GR-5 for 5/8" diameter; all others SAE J425 GR-2
- Available individually or in bucket quantities

| Part # | Diameter (D) | Width (W) | Length (L) | Thread (T) | Qty. | Weight |
|-----------|--------------|-----------|------------|------------|------|---------|
| SUB1418-B | 1/2" | 4-1/8" | 6" | 3" | 25 | 23 lbs. |



THREADED RODS

Stainless Steel Threaded Rod Kits

These kits have a variety of uses on communication sites.

- 3/8" stainless steel construction for corrosion resistance and ease of use
- Highest quality 304 series stainless steel
- Each kit contains 10 threaded rods, 30 flat washers, 30 lock washers, and 30 nuts



| Part # | Rod | Kit Components | Weight |
|--------|---------------|---|--------|
| CH35 | 3/8" x 3-1/2" | 10 Rods, 30 each Flat Washers, Lock Washers, and Nuts | 2 lbs. |
| CH50 | 3/8" x 5" | 10 Rods, 30 each Flat Washers, Lock Washers, and Nuts | 2 lbs. |
| CH65 | 3/8" x 6-1/2" | 10 Rods, 30 each Flat Washers, Lock Washers, and Nuts | 2 lbs. |
| CH80 | 3/8" x 8" | 10 Rods, 30 each Flat Washers, Lock Washers, and Nuts | 3 lbs. |
| CH95 | 3/8" x 9-1/2" | 10 Rods, 30 each Flat Washers, Lock Washers, and Nuts | 3 lbs. |
| CH120 | 3/8" x 12" | 10 Rods, 30 each Flat Washers, Lock Washers, and Nuts | 4 lbs. |

Stainless Steel Threaded Rods

These rods have a variety of uses on communication sites.

- Available in cut lengths or 6' sections
- Meet SAE J429 Grade 2
- Sold individually



| Part # | Diameter | Length | Type | Weight |
|----------|----------|--------|---------------------|--------|
| SS38R-18 | 3/8" | 18" | 304 Stainless Steel | 1 lb. |
| SS38R-36 | 3/8" | 36" | 304 Stainless Steel | 1 lb. |
| SS38R-72 | 3/8" | 72" | 304 Stainless Steel | 2 lbs. |
| SS58R-72 | 5/8" | 72" | 304 SS | 5 lbs. |

Galvanized Threaded Rod Kits

These kits have a variety of uses on communication sites.

- Available in our PIM Shield® Product Guide
- 3/8" galvanized rods
- Each kit contains 10 threaded rods, 30 flat washers, 30 lock washers, and 30 nuts



| Part # | Rod | Kit Components | Weight |
|---------|---------------|---|--------|
| CH65-G | 3/8" x 6-1/2" | 10 Rods, 30 each Flat Washers, Lock Washers, and Nuts | 2 lbs. |
| CH80-G | 3/8" x 8" | 10 Rods, 30 each Flat Washers, Lock Washers, and Nuts | 3 lbs. |
| CH95-G | 3/8" x 9-1/2" | 10 Rods, 30 each Flat Washers, Lock Washers, and Nuts | 3 lbs. |
| CH120-G | 3/8" x 12" | 10 Rods, 30 each Flat Washers, Lock Washers, and Nuts | 4 lbs. |

Galvanized Threaded Rods

These rods have a variety of uses on communication sites.

- Available in cut lengths or 6' sections
- Meet SAE J429 Grade 2 for < 1/2" hardware
- Meet SAE J429 Grade 5 for > 1/2" hardware
- Sold individually



| Part # | Diameter | Length | Type | Weight |
|---------|----------|--------|--------------------|--------|
| G38R-12 | 3/8" | 12" | Hot-Dip Galvanized | 1 lb. |
| G38R-72 | 3/8" | 72" | Hot-Dip Galvanized | 2 lbs. |
| G12R-6 | 1/2" | 6" | Hot-Dip Galvanized | 1 lb. |
| G12R-8 | 1/2" | 8" | Hot-Dip Galvanized | 1 lb. |
| G12R-10 | 1/2" | 10" | Hot-Dip Galvanized | 1 lb. |
| G12R-12 | 1/2" | 12" | Hot-Dip Galvanized | 1 lb. |
| G12R-20 | 1/2" | 20" | Hot-Dip Galvanized | 1 lb. |
| G12R-24 | 1/2" | 24" | Hot-Dip Galvanized | 1 lb. |
| G12R-72 | 1/2" | 72" | Hot-Dip Galvanized | 3 lbs. |
| G58R-8 | 5/8" | 8" | Hot-Dip Galvanized | 1 lb. |
| G58R-10 | 5/8" | 10" | Hot-Dip Galvanized | 1 lb. |
| G58R-12 | 5/8" | 12" | Hot-Dip Galvanized | 1 lb. |
| G58R-14 | 5/8" | 14" | Hot-Dip Galvanized | 1 lb. |
| G58R-18 | 5/8" | 18" | Hot-Dip Galvanized | 1 lb. |
| G58R-24 | 5/8" | 24" | Hot-Dip Galvanized | 2 lbs. |
| G58R-48 | 5/8" | 48" | Hot-Dip Galvanized | 3 lbs. |
| G58R-72 | 5/8" | 72" | Hot-Dip Galvanized | 5 lbs. |
| G34R-72 | 3/4" | 72" | Hot-Dip Galvanized | 7 lbs. |

Threaded Rod End Caps

This product provides durable, high-visibility protection for threaded rod ends, enhancing safety and longevity.

- Protective design prevents damage to exposed threaded rod ends
- High visibility with red color for enhanced safety and identification
- Multiple sizes available to fit 3/8", 1/2", and 5/8" threaded rods
- Convenient packaging sold in packs of 100



| Part # | Description | Quantity | Weight |
|---------|-----------------------|--------------|--------|
| TRC38-B | 3/8" Threaded Rod Cap | Packs of 100 | 1 lb. |
| TRC38 | 3/8" Threaded Rod Cap | Packs of 100 | 1 lb. |
| TRC12 | 1/2" Threaded Rod Cap | Packs of 100 | 1 lb. |
| TRC58 | 5/8" Threaded Rod Cap | Packs of 100 | 1 lb. |

Ground Lug Washers

These washers eliminate problems of overlapping washers on ground bars.

- Provide evenly spread clamping force on lug
- No more grinding washers or skipping holes on ground bars
- GW381 works with 3/8" studs with 1" spacing; GW3U works with 3/8" studs with 3/8" or 1" spacing
- 300 series stainless steel
- Sold in packs of 10

| Part # | Stud Size | Hole Spacing | Qty. | Weight |
|--------|-----------|--------------|------------|--------|
| GW381 | 3/8" | 1" | Pack of 10 | 1 lb. |
| GW3U | 3/8" | 3/4" - 1" | Pack of 10 | 1 lb. |



Adapter Washer

These washers convert a 3/4" snap-in hole to a threaded hole for 3/8" hardware.

- 304 stainless steel

| Part # | Qty. | Weight |
|--------|---------|--------|
| ASN38 | 10 pack | 1 lb. |



Stainless Steel Hex Head Bolts

Bulk hardware packs in sizes commonly used on communication sites.

- 18-8 Stainless Steel
- Fully threaded

| Part # | Size | Qty. | Weight |
|---------|---------------|-------------|--------|
| SS1401 | 1/4" x 1" | Pack of 100 | 2 lbs. |
| SS14114 | 1/4" x 1-1/4" | Pack of 100 | 2 lbs. |
| SS3858 | 3/8" x 5/8" | Pack of 100 | 3 lbs. |
| SS3834 | 3/8" x 3/4" | Pack of 100 | 4 lbs. |
| SS3801 | 3/8" x 1" | Pack of 100 | 4 lbs. |
| SS38114 | 3/8" x 1-1/4" | Pack of 100 | 5 lbs. |
| SS38112 | 3/8" x 1-1/2" | Pack of 100 | 6 lbs. |
| SS3802 | 3/8" x 2" | Pack of 100 | 1 lb. |



Stainless Steel Hex Nuts

Bulk nuts in sizes commonly used on communication sites.

- 18-8 Stainless Steel

| Part # | Size | Qty. | Weight |
|-------------|------|---------------|--------|
| SS14NUT-100 | 1/4" | Pack of 100 | 1 lb. |
| SS14NUT | 1/4" | Pack of 1,000 | 7 lbs. |
| SS38NUT-100 | 3/8" | Pack of 100 | 2 lbs. |
| SS38NUT | 3/8" | Pack of 500 | 8 lbs. |



Stainless Steel Lock Washers

Bulk lock washers in sizes commonly used on communication sites.

- 18-8 Stainless Steel

| Part # | Size | Qty. | Weight |
|------------|------|---------------|--------|
| SS14LW-100 | 1/4" | Pack of 100 | 1 lb. |
| SS14LW | 1/4" | Pack of 1,000 | 3 lbs. |
| SS38LW-100 | 3/8" | Pack of 100 | 1 lb. |
| SS38LW | 3/8" | Pack of 500 | 3 lbs. |



Stainless Steel Flat Washers

Bulk flat washers in sizes commonly used on communication sites.

- 18-8 Stainless Steel

| Part # | Size | OD | Qty. | Weight |
|---------------|------|------|---------------|--------|
| SS14FW-100 | 1/4" | 5/8" | Pack of 100 | 1 lb. |
| SS14FW | 1/4" | 5/8" | Pack of 1,000 | 3 lbs. |
| SS38FW-100 | 3/8" | 7/8" | Pack of 100 | 1 lb. |
| SS38FW | 3/8" | 7/8" | Pack of 500 | 3 lbs. |
| SS38FW-SM-100 | 3/8" | 5/8" | Pack of 100 | 1 lb. |
| SS38FW-SM | 3/8" | 5/8" | Pack of 500 | 1 lb. |



Stainless Steel TEK Screws

Bulk screws in sizes commonly used on communication sites.

- Hex washer head self-drilling screws

| Part # | Size | Qty. | Weight |
|--------|--------------|-------------|--------|
| ST1058 | #10 x 5/8" | Pack of 500 | 3 lbs. |
| ST1114 | #10 x 1-1/4" | Pack of 100 | 1 lb. |



Wedge Anchors

These anchors are used to attach steel to concrete surfaces.

- Galvanized or 304 stainless steel

| Part # | Size | Finish | Qty. | Weight |
|--------|---------------|-----------------|------|--------|
| SWA382 | 3/8" x 2-3/4" | Stainless Steel | Each | 1 lb. |
| SWA383 | 3/8" x 3-3/4" | Stainless Steel | Each | 1 lb. |
| SWA123 | 1/2" x 3-3/4" | Stainless Steel | Each | 1 lb. |
| SWA585 | 5/8" x 5" | Stainless Steel | Each | 1 lb. |
| GWA123 | 1/2" x 3-3/4" | Galvanized | Each | 1 lb. |
| GWA124 | 1/2" x 4-1/2" | Galvanized | Each | 1 lb. |
| GWA125 | 1/2" x 5-1/2" | Galvanized | Each | 1 lb. |
| GWA586 | 5/8" x 6" | Galvanized | Each | 2 lbs. |



A325 Hex Bolts

This hardware is used in a variety of our steel kits and is also available for individual purchase.

- Galvanized
- Available individually or in bucket quantities

| Part # | Size | Grade | Thread Length | U of M | Weight |
|-----------|---------------|-------|---------------|--------|---------|
| A1202-B | 1/2" x 2" | A325 | 1" | 175 | 28 lbs. |
| A1205-B | 1/2" x 5" | A325 | 1" | 70 | 21 lbs. |
| A5802-B | 5/8" x 2" | A325 | 1-1/4" | 100 | 26 lbs. |
| A582114-B | 5/8" x 2-1/4" | A325 | 1-1/4" | 100 | 29 lbs. |
| A582112-B | 5/8" x 2-1/2" | A325 | 1-1/4" | 100 | 31 lbs. |
| A58234-B | 5/8" x 2-3/4" | A325 | 1-1/4" | 100 | 30 lbs. |
| A34214-B | 3/4" x 2-1/4" | A325 | 1-3/8" | 70 | 30 lbs. |
| A34212-B | 3/4" x 2-1/2" | A325 | 1-3/8" | 70 | 30 lbs. |
| A34234-B | 3/4" x 2-3/4" | A325 | 1-3/8" | 50 | 26 lbs. |
| A3405-B | 3/4" x 5" | A325 | 1-3/8" | 50 | 39 lbs. |



Grade 5 Hex Bolts

This hardware is used in a variety of our steel kits and is also available for individual purchase.

- Galvanized
- Available individually or in bucket quantities

| Part # | Size | Grade | Thread Length | U of M | Weight |
|----------|---------------|---------|---------------|--------|---------|
| G38114-B | 3/8" x 1-1/4" | Grade 5 | Full Thread | 450 | 22 lbs. |
| G38112-B | 3/8" x 1-1/2" | Grade 5 | Full Thread | 450 | 22 lbs. |
| G3802-B | 3/8" x 2" | Grade 5 | Full Thread | 300 | 17 lbs. |
| G38212-B | 3/8" x 2-1/2" | Grade 5 | Full Thread | 250 | 25 lbs. |
| G3803-B | 3/8" x 3" | Grade 5 | Full Thread | 200 | 20 lbs. |
| G3804-B | 3/8" x 4" | Grade 5 | Full Thread | 125 | 15 lbs. |
| G1201-B | 1/2" x 1" | Grade 5 | Full Thread | 300 | 9 lbs. |
| G12112-B | 1/2" x 1-1/2" | Grade 5 | Full Thread | 175 | 20 lbs. |
| G1202-B | 1/2" x 2" | Grade 5 | Full Thread | 175 | 28 lbs. |
| G12212-B | 1/2" x 2-1/2" | Grade 5 | Full Thread | 100 | 17 lbs. |
| G1203-B | 1/2" x 3" | Grade 5 | Full Thread | 100 | 22 lbs. |
| G1204-B | 1/2" x 4" | Grade 5 | Full Thread | 75 | 17 lbs. |
| G12045-B | 1/2" x 4-1/2" | Grade 5 | Full Thread | 75 | 18 lbs. |
| G1205-B | 1/2" x 5" | Grade 5 | Full Thread | 70 | 20 lbs. |
| G12065-B | 1/2" x 6-1/2" | Grade 5 | Full Thread | 70 | 20 lbs. |
| G1208-B | 1/2" x 8" | Grade 5 | Full Thread | 25 | 11 lbs. |
| G58112-B | 5/8" x 1-1/2" | Grade 5 | Full Thread | 100 | 15 lbs. |
| G5802-B | 5/8" x 2" | Grade 5 | Full Thread | 100 | 20 lbs. |
| G58312-B | 5/8" x 3-1/2" | Grade 5 | Full Thread | 100 | 40 lbs. |
| G5804-B | 5/8" x 4" | Grade 5 | Full Thread | 70 | 20 lbs. |
| G5806-B | 5/8" x 6" | Grade 5 | Full Thread | 50 | 38 lbs. |
| G5807-B | 5/8" x 7" | Grade 5 | Full Thread | 25 | 23 lbs. |



Galvanized Heavy Hex Nuts

This hardware is used in a variety of our steel kits and is also available for individual purchase.

- Available individually or in bucket quantities

| Part # | Size | Type | U of M | Weight |
|----------|------|----------|--------|---------|
| A34NUT-B | 3/4" | 2H Heavy | 100 | 1 lb. |
| G1NUT-B | 1" | 2H Heavy | 20 | 10 lbs. |
| G38NUT-B | 3/8" | 2H Heavy | 500 | 7 lbs. |
| G12NUT-B | 1/2" | 2H Heavy | 500 | 25 lbs. |
| G58NUT-B | 5/8" | 2H Heavy | 200 | 20 lbs. |
| A58NUT-B | 5/8" | 2H Heavy | 200 | 21 lbs. |
| G34NUT-B | 3/4" | 2H Heavy | 100 | 20 lbs. |



Galvanized Lock Washers

This hardware is used in a variety of our steel kits and is also available for individual purchase.

- Available individually or in bucket quantities

| Part # | Size | U of M | Weight |
|---------|------|--------|---------|
| G1LW-B | 1" | 100 | 5 lbs. |
| G38LW-B | 3/8" | 2,500 | 25 lbs. |
| G12LW-B | 1/2" | 1,000 | 15 lbs. |
| G58LW-B | 5/8" | 800 | 20 lbs. |
| G34LW-B | 3/4" | 400 | 20 lbs. |



Galvanized Flat Washers

This hardware is used in a variety of our steel kits and is also available for individual purchase.

- Available individually or in bucket quantities

| Part # | Size | Type | U of M | Weight |
|---------|------|------|--------|---------|
| G1FW-B | 1" | USS | 100 | 5 lbs. |
| G38FW-B | 3/8" | USS | 1,500 | 20 lbs. |
| G12FW-B | 1/2" | USS | 500 | 19 lbs. |
| G58FW-B | 5/8" | USS | 400 | 20 lbs. |
| A58FW-B | 5/8" | USS | 400 | 15 lbs. |
| G34FW-B | 3/4" | USS | 250 | 25 lbs. |



Galvanized Square Washers

These washers are used with square strut.

- Available individually or in bucket quantities

| Part # | Hole Size (nominal) | Size | U of M | Weight |
|---------|---------------------|----------------|--------|---------|
| SQW38-B | 3/8" | 1/4" x 2" x 2" | 150 | 38 lbs. |
| SQW12-B | 1/2" | 1/4" x 2" x 2" | 150 | 40 lbs. |



Galvanized Backing Plates

These plates are used for wall mount installations.

- Hot-dip galvanized steel construction

| Part # | Hole Size | Size | Qty. | Weight |
|--------|-----------|----------------|------|--------|
| BP4 | 3/4" | 1/4" x 4" x 4" | Each | 1 lb. |
| BP6 | 3/4" | 1/4" x 6" x 6" | Each | 2 lbs. |



Select™ Screw Pin Shackles

These small shackles have a variety of uses.

- Hot-dip galvanized steel construction
- Meet Federal Specifications RR-C-271G, Type IVA, Grade A, Class 2
- BUCKETS: Add "-B" to end of part #

| Part # | Size | U of M | Weight |
|----------|-----------------|--------|---------|
| SHK14 | 1/4" (1/2 Ton) | Each | 1 lb. |
| SHK14-B | 1/4" (1/2 Ton) | 200 | 25 lbs. |
| SHK516 | 5/16" (3/4 Ton) | Each | 1 lb. |
| SHK516-B | 5/16" (3/4 Ton) | 75 | 15 lbs. |
| SHK38 | 3/8" (1 Ton) | Each | 1 lb. |
| SHK38-B | 3/8" (1 Ton) | 75 | 25 lbs. |



Post Caps

These post caps are used to seal the end of fence posts, pipe columns, etc.

- Galvanized steel construction

| Part # | Size | Qty. | Weight |
|--------|----------------|------|--------|
| PC238 | 2-3/8" OD Pipe | Each | 1 lb. |
| PC278 | 2-7/8" OD Pipe | Each | 1 lb. |
| PC312 | 3-1/2" OD Pipe | Each | 1 lb. |
| PC412 | 4-1/2" OD Pipe | Each | 1 lb. |



Hardware Kits

These kits can be used with cable hangers that require 3/8" hardware.

- Stainless steel fillister head screws with nuts and lock washers
- SW5 kit does not include nuts
- Use for attaching bolt-on style hangers

| Part # | Screw Size | Qty. | Weight |
|--------|-------------|------------|--------|
| SW5 | 3/8" x 1/2" | Pack of 10 | 1 lb. |
| SW75 | 3/8" x 3/4" | Pack of 10 | 1 lb. |
| SW1 | 3/8" x 1" | Pack of 10 | 1 lb. |



Guy Components & Tower Bracing



Extra High Strength (EHS) Guy Strand

Use to add guy levels or replace strand on existing towers.

- Custom lengths
- Class A galvanized
- Left-hand lay only
- ASTM A-475 specification
- 5-7 day lead time, ships from TX, FL, or IN
- Please note this item is non-cancellable and non-returnable
- Order minimums may apply



| Part # | Size | Construction | Breaking Strength | Max. ft./Spool | lb./1,000' | Weight |
|--------|--------|--------------|-------------------|----------------|------------|--------|
| 320100 | 3/16" | 7 wire | 3,990 lb | 10,000 | 72.9 | 1 lb. |
| 320101 | 1/4" | 7 wire | 6,650 lb | 10,000 | 93.8 | 1 lb. |
| 320102 | 5/16" | 7 wire | 11,200 lb | 10,000 | 205 | 1 lb. |
| 320103 | 3/8" | 7 wire | 15,400 lb | 10,000 | 273 | 1 lb. |
| 320104 | 7/16" | 7 wire | 20,800 lb | 5,000 | 399 | 1 lb. |
| 320105 | 1/2" | 7 wire | 26,900 lb | 5,000 | 517 | 1 lb. |
| 320107 | 9/16" | 7 wire | 35,000 lb | 5,000 | 671 | 1 lb. |
| 320119 | 5/8" | 7 wire | 42,400 lb | 5,000 | 796 | 1 lb. |
| 320110 | 11/16" | 19 wire | 50,000 lb | 2,500 | 1000 | 1 lb. |
| 320111 | 3/4" | 19 wire | 58,300 lb | 2,500 | 1155 | 1 lb. |
| 320112 | 7/8" | 19 wire | 79,799 lb | 2,500 | 1581 | 2 lbs. |

Galvanized Steel Dead-Ends (Preforms)

Use to create a termination point at the end of guy strand

- For use with left-hand lay guy strand

| Part # | Strand Size | BS (lbs) | Color Code | Application | Weight |
|--------|-------------|----------|------------|------------------------------|---------|
| 320500 | 3/16" | 3,990 | Red | 7 Wire EHS | 1 lb. |
| 320501 | 1/4" | 6,650 | Yellow | 7 Wire EHS | 1 lb. |
| 320502 | 5/16" | 11,200 | Black | 7 Wire EHS | 1 lb. |
| 320503 | 3/8" | 15,400 | Orange | 7 Wire EHS | 1 lb. |
| 320504 | 7/16" | 20,800 | Green | 7 Wire EHS | 2 lbs. |
| 320505 | 1/2" | 29,960 | Blue | 7 or 19 Wire EHS | 3 lbs. |
| 320506 | 9/16" | 40,130 | Yellow | 7 or 19 Wire EHS | 5 lbs. |
| 320507 | 5/8" | 45,380 | Black | 7 or 19 Wire EHS | 7 lbs. |
| 320508 | 11/16" | 58,000 | Blue | 19 Wire EHS or Bridge Strand | 10 lbs. |
| 320510 | 7/8" | 79,700 | Green | 19 Wire EHS | 14 lbs. |



End Sleeves (Ice clips)

Use to protect ends of guy strand terminations

- For use on helical dead-ends for galvanized EHS guy strand
- Hot-dip galvanized

| Part # | Strand Size | Ref # | Weight |
|--------|----------------|----------|--------|
| 320550 | 3/16" | GC-65303 | 1 lb. |
| 320551 | 1/4" | GC-65136 | 1 lb. |
| 320552 | 5/16" | GC-65128 | 1 lb. |
| 320553 | 3/8" | GC-65264 | 1 lb. |
| 320554 | 7/16" | GC-65265 | 1 lb. |
| 320555 | 1/2" | GC-65266 | 1 lb. |
| 320556 | 9/16" | GC-65267 | 1 lb. |
| 320557 | 5/8" | GC-65268 | 1 lb. |
| 320558 | 11/16" or 3/4" | GC-65269 | 1 lb. |
| 320559 | 13/16" or 7/8" | GC-65270 | 1 lb. |



Select™ Cable Clamps (Wire Rope Clips)

Use to splice cables or to form an eye at the end of a cable.

- Drop-forged base
- Rolled threads
- Hot-dip galvanized
- Meet federal specifications FF-C-450

| Part # | Strand Size | Min # Required | Weight |
|----------|-------------|----------------|--------|
| 320150-I | 3/16" | 2 | 1 lb. |
| 320151-I | 1/4" | 2 | 1 lb. |
| 320152-I | 5/16" | 2 | 1 lb. |
| 320153-I | 3/8" | 2 | 1 lb. |
| 320154-I | 7/16" | 2 | 1 lb. |
| 320155-I | 1/2" | 3 | 1 lb. |
| 320156-I | 9/16" | 3 | 1 lb. |
| 320157-I | 5/8" | 3 | 1 lb. |
| 320158-I | 3/4" | 4 | 1 lb. |
| 320159-I | 7/8" | 4 | 2 lbs. |
| 320160-I | 1" | 5 | 3 lbs. |
| 320161-I | 1-1/4" | 6 | 4 lbs. |



Select™ Thimbles

Use to form an eye at the end of a cable.

- Heavy duty
- Hot-dip galvanized

| Part # | Size | Weight |
|----------|-------|--------|
| 320776-I | 1/4" | 1 lb. |
| 320777-I | 5/16" | 1 lb. |
| 320778-I | 3/8" | 1 lb. |
| 320779-I | 7/16" | 1 lb. |
| 320780-I | 1/2" | 1 lb. |
| 320782-I | 5/8" | 1 lb. |
| 320783-I | 3/4" | 1 lb. |
| 320784-I | 7/8" | 2 lbs. |
| 320785-I | 1" | 3 lbs. |



Select™ Jaw-Jaw Turnbuckles

Use turnbuckles to tension guy cables.

- Heavy duty
- Hot-dip galvanized
- Jaw ends include bolt with nut and cotter pin
- All meet federal specification FF-T-791B, Type 1, Form 1, Class 7

| Part # | Size | Take-Up | Breaking Strength (lb) | Weight |
|----------|--------|---------|------------------------|---------|
| 320600-I | 1/2" | 12" | 11,000 | 3 lbs. |
| 320601-I | 5/8" | 12" | 17,500 | 4 lbs. |
| 320602-I | 3/4" | 12" | 26,000 | 7 lbs. |
| 320598-I | 3/4" | 18" | 26,000 | 9 lbs. |
| 320603-I | 7/8" | 12" | 36,000 | 9 lbs. |
| 320599-I | 7/8" | 18" | 36,000 | 12 lbs. |
| 320604-I | 1" | 12" | 50,000 | 14 lbs. |
| 320607-I | 1" | 18" | 50,000 | 17 lbs. |
| 320605-I | 1-1/4" | 18" | 76,000 | 26 lbs. |
| 320606-I | 1-1/2" | 18" | 1,07,000 | 38 lbs. |



Select™ Jaw-Eye Turnbuckles

Use turnbuckles to tension guy cables.

- Heavy duty
- Hot-dip galvanized
- Jaw end includes bolt with nut and cotter pin
- All meet federal specification FF-T-791B, Type 1, Form 1, Class 8



| Part # | Size | Take-Up | Breaking Strength (lb) | Weight |
|----------|--------|---------|------------------------|---------|
| 320596-1 | 1/2" | 12" | 11,000 | 3 lbs. |
| 320597-1 | 5/8" | 12" | 17,500 | 5 lbs. |
| 320595-1 | 3/4" | 12" | 26,000 | 7 lbs. |
| 162930-1 | 7/8" | 12" | 36,000 | 10 lbs. |
| 162931-1 | 1" | 12" | 50,000 | 11 lbs. |
| 320625-1 | 1-1/4" | 18" | 76,000 | 26 lbs. |
| 320626-1 | 1-1/2" | 18" | 1,07,000 | 38 lbs. |

Select™ Bolt-Type Anchor Shackles

These shackles can be used at the ends of guy cables to attach to tower members or anchor rods.

- Forged shackles
- Bolt-type anchor
- This-head bolt with nut and cotter pin
- Hot-dip galvanized
- Meet federal specification RR-C-271D, Type IVA, Grade A, Class 3
- Stocked in Plymouth, IN and Carrollton, TX facilities

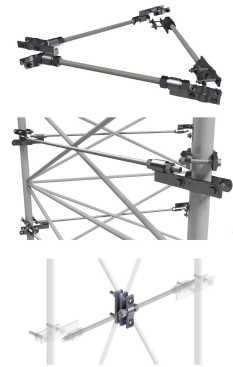


| Part # | Size | Inside Width at Pin | Pin Dia. | Working Load Limit (tons) | Breaking load (lb) | Weight |
|----------|--------|---------------------|----------|---------------------------|--------------------|---------|
| 320751-1 | 1/2" | 13/16" | 5/8" | 2 | 20,000 | 1 lb. |
| 320752-1 | 5/8" | 1-1/16" | 3/4" | 3.25 | 32,500 | 2 lbs. |
| 320753-1 | 3/4" | 1-1/4" | 7/8" | 4.75 | 47,500 | 3 lbs. |
| 320754-1 | 7/8" | 1-7/16" | 1" | 6.5 | 65,000 | 4 lbs. |
| 320755-1 | 1" | 1-11/16" | 1-1/8" | 8.5 | 85,000 | 5 lbs. |
| 320756-1 | 1-1/8" | 1-13/16" | 1-1/4" | 9.5 | 95,000 | 8 lbs. |
| 320757-1 | 1-1/4" | 2-1/32" | 1-3/8" | 12 | 1,20,000 | 12 lbs. |

Adjustable Bolt-On Bracing for Round Tower Legs

Bolt-On Bracing kits can be used to reinforce existing towers.

- Adds strength and additional capacity to your existing tower
- Versatile design is ideal for both vertical and tapered tower sections
- Threaded rod and steel weldment design allows quick, easy adjustment and alignment to nearly any face width (excludes BOBx-CEN)
- Single Bay Connection per Kit (BOBx-CENS)
- Center connection works with single or double diagonals (sold separately)
- Available sizes work for a wide variety of applications
- Made to Order at our Plymouth Indiana Location
- Call for Availability or Email: custom@valmont.com



| Part # | Description | Rod Diameter | Face Width | Weight |
|------------|---|------------------------|------------|---------|
| BOB34 | 3/4" Adjustable Bolt-On Bracing Kit | 3/4" | 15" - 49" | 40 lbs. |
| BOB1 | 1" Adjustable Bolt-On Bracing Kit | 1" | 15" - 52" | 59 lbs. |
| BOB114 | 1-1/4" Adjustable Bolt-On Bracing Kit | 1-1/4" | 16" - 64" | 95 lbs. |
| BOB34-CEN | 3/4" Center Connection Kit | 3/4" | -- | 8 lbs. |
| BOB1-CEN | 1" Center Connection Kit | 1" | -- | 8 lbs. |
| BOB114-CEN | 1-1/4" Center Connection Kit | 1-1/4" | -- | 9 lbs. |
| 245978 | U=Bolt & V-Clamp Center Connection Assembly | Universal up to 2-7/8" | -- | 2 lbs. |



A valmont COMPANY

The CustomLab™ Team

Specializing in product customizations, including plug-and-play configurations for tower modifications, upgrades, and more.

Vast Experience at Your Fingertips

With decades of experience and Valmont's manufacturing and vendor partnerships, we deliver high-quality custom products for a wide range of applications.

Tie-Rod & Bolt-On Bracing

Add strength and capacity to existing towers. Standard and custom brace kits are available to fit most towers.



Dacromet Coated Bolts

ASTM A490 Structural bolts are stronger fasteners, offering superior corrosion resistance and consistent torque for easy installation.



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Contact us at custom@valmont.com or call 888-753-7446 for custom plate, weldments, angle, and hardware solutions.



Broadband Towers

These smaller, standardized towers offer an easy and economical solution for broadband deployments.



Contact Custom@Valmont.com or 888-753-7446 with your requests.



Cable Accessories



Clamp Heads

Clamp heads can be used with hose clamps or 1/2" banding to attach hangers using 3/8" hardware.

- Heavy-duty 304 stainless steel construction
- Slots accept 1/2" banding or hose clamps
- Attach with 3/8" hardware

| Part # | Qty. | Weight |
|--------|------|--------|
| CLH | Each | 1 lb. |



Nylon Cross

Use the nylon cross to mount hangers using 3/8" hardware.

- Four 3/8" threaded holes
- 1-1/2" OD x 3/4" thick
- Manufactured from UV-resistant nylon
- Convenient way to mount cushion hangers

| Part # | Qty. | Weight |
|--------|--------|--------|
| NCR5 | 5 pack | 1 lb. |



Super Cross

The super cross is used to mount hangers using 3/8" hardware.

- Six 3/8" holes allow attachment of five cushion hangers
- Manufactured from lightweight aluminum
- Includes 3/8" x 3-1/2" stainless steel threaded rod, nut, and lock washer
- Sold individually

| Part # | Qty. | Weight |
|--------|------|--------|
| SCR6 | Each | 1 lb. |

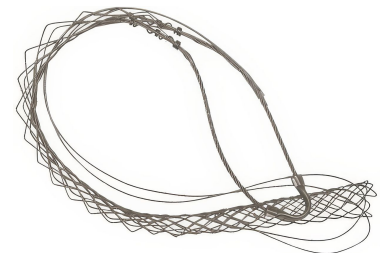


Lace-Up Hoisting Grips

Hoisting grips are used to support the weight of vertical cable runs.

- Lace-up grips allow installation after connectors are installed
- Stainless steel braided wire construction
- Our grips are longer, resulting in less stress to the cable and greater performance in resisting pull-out, flexure, and vibration

| Part # | Cable Size & Type | Overall Length | Mesh Length | Weight |
|--------|--|----------------|-------------|--------|
| HG12 | 1/2" Coax & Stranded 15mm & 1/2" Cable | 15" | 8" | 1 lb. |
| HG58 | 5/8" Coax & Stranded 22mm & 7/8" Cable | 29" | 22" | 1 lb. |
| HG78 | 7/8" Coax & Stranded 30mm & 1-1/4" Cable | 34" | 21-1/2" | 1 lb. |
| HG114 | 1-1/4" Coax & Stranded 42mm & 1-5/8" Cable | 40" | 27" | 1 lb. |
| HG158 | 1-5/8" Coax | 45" | 30" | 1 lb. |
| HG214 | 2-1/4" Coax | 45" | 30" | 1 lb. |



Pre-Laced Hoisting Grips

Hoisting grips are used to support the weight of vertical cable runs.

- Closed style allows simplified installation, simply slip on to the cable
- Stainless steel braided wire construction
- Use at top of cable before installing connector

| Part # | Cable Size & Type | Overall Length | Mesh Length | Weight |
|---------|--|----------------|-------------|--------|
| HG38-C | 3/8" Coax & Stranded 10mm Cable & 3/8" Flex, & RG11U | 11" | 6" | 1 lb. |
| HG12-C | 1/2" Coax & Stranded 15mm & 1/2" Cable | 18" | 7" | 1 lb. |
| HG58-C | 5/8" Coax & Stranded 22mm & 7/8" Cable | 25" | 14" | 1 lb. |
| HG78-C | 7/8" Coax & Stranded 30mm & 1-1/4" Cable | 34" | 21-1/2" | 1 lb. |
| HG114-C | 1-1/4" Coax & Stranded 42mm & 1-5/8" Cable | 40" | 27" | 1 lb. |
| HG158-C | 1-5/8" Coax | 45" | 30" | 1 lb. |
| HG214-C | 2-1/4" Coax | 45" | 30" | 1 lb. |



Plastic Polymer Snap-In Hangers

These PIM-free hangers are for use on horizontal cable runs.

- Available in our PIM Shield® Product Guide
- For use on horizontal cable runs only; not to be used on vertical cable runs
- PIM-free polymer material
- Self-adjusting variable diameter
- Space-saving design for tighter applications
- Use with SA1C PIM-free standoff adapters

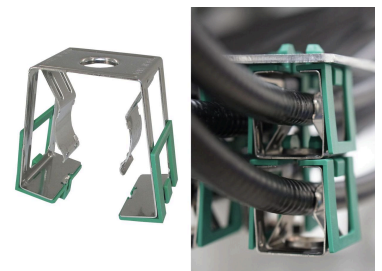
| Part # | Cable Size Range | AT&T Approved cables | Qty. | Weight |
|--------------|--------------------|--|---------|--------|
| PSPS-0407-10 | 4 to 7 mm | 2 fiber jumpers and 4 fiber jumpers | 10 pack | 1 lb. |
| PSPS-0710-10 | 7 to 10 mm | RET cables | 10 pack | 1 lb. |
| PSPS-1014-10 | 10 to 14 mm | 12 & 10 AWG 2C power cables | 10 pack | 1 lb. |
| PSPS-1417-10 | 14 to 17 mm (1/2") | 8 AWG 2C power cables or 1/2" coax jumpers | 10 pack | 1 lb. |



Hybrid Snap-In Hangers

PIM Shield® Hybrid Snap-Ins provide a low passive intermodulation (PIM) solution for securing RF, fiber, power, and RET cables in high-risk PIM zones. Designed with insulated mating surfaces, these snap-ins eliminate metal-to-metal contact while ensuring high-strength and easy installation. The stainless steel frame and UV-stable, glass-filled nylon insulation provide durability for long-term deployment.

- Available in our PIM Shield® Product Guide
- Low PIM hybrid design prevents metal-to-metal contact
- 360° rotation at mounting interface for easy positioning
- IM3 < -100 dBm under IEC 62037-8 testing
- Secure fit into support bars (sold separately)

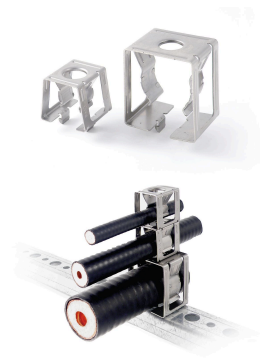


| Part # | Cable Size Range | Qty. | Weight |
|--------------|----------------------|---------|--------|
| PSHS-1319-10 | 13 to 19 mm (1/2") | 10 pack | 1 lb. |
| PSHS-2630-10 | 26 to 30 mm (7/8") | 10 pack | 1 lb. |
| PSHS-3642-10 | 36 to 42 mm (1-1/4") | 10 pack | 2 lbs. |
| PSHS-4852-10 | 48 to 52 mm (1-5/8") | 10 pack | 2 lbs. |

MonoBloc Stackable Snap-In Hangers

These stackable snap-in hangers can be used for vertical or horizontal cable runs.

- 304 stainless steel
- One-hand instant mounting, easy-to-use inner locking bands and strong outside structure
- Heavy-duty MonoBloc design allows stacking four cables; you can even stack three 1-5/8" cables with a feeder cable on top without additional support brackets
- Excellent cable retention



| Part # | Cable Size | Qty. | Weight |
|--------|----------------------|---------|--------|
| SIC1 | 13 to 19 mm (1/2") | 10 pack | 1 lb. |
| SIC2 | 26 to 29 mm (7/8") | 10 pack | 1 lb. |
| SIC3 | 36 to 42 mm (1-1/4") | 10 pack | 2 lbs. |
| SIC4 | 48 to 52 mm (1-5/8") | 10 pack | 2 lbs. |

Stackable Snap-In Hangers

These stackable snap-in hangers can be used for vertical or horizontal cable runs.

- 304 stainless steel
- For use on all corrugated cables
- Heavy-duty design prevents pop-outs
- Excellent cable retention



| Part # | Cable Size | Qty. | Weight |
|---------|----------------------|---------|--------|
| 12SS-A | 15 to 18 mm (1/2") | 10 pack | 1 lb. |
| 78SS-A | 26 to 31 mm (7/8") | 10 pack | 1 lb. |
| 114SS-A | 37 to 43 mm (1-1/4") | 10 pack | 1 lb. |
| 158SS-A | 49 to 51 mm (1-5/8") | 10 pack | 1 lb. |

Adjustable Stackable Snap-In Hangers

The adjustable design of these hangers allows them to be used on a range of cable sizes.

- Range-taking design allows for use on hybrid power and coaxial cables
- Eliminate need for barrel cushions so install three times faster
- Self-adjusting variable diameter
- Stack up to three deep



| Part # | Cable Size Range | Qty. | Weight |
|--------|------------------|---------|--------|
| SSH-XL | 36 to 51 mm | 10 pack | 1 lb. |

Universal Snap-In Hangers

These snap-in hangers can be used for vertical or horizontal cable runs.

- 304 stainless steel
- Engineered to be strong, yet easy to use
- Excellent cable retention
- All edges are smooth so they will not cut the installer's hands

| Part # | Cable Size & Type | Qty. | Weight |
|---------|---------------------------------|---------|--------|
| 12SH-3 | 1/2" Corrugated & Smooth Wall | 10 pack | 1 lb. |
| 78SH-3 | 7/8" Corrugated & Smooth Wall | 10 pack | 1 lb. |
| 114SH-3 | 1-1/4" Corrugated & Smooth Wall | 10 pack | 1 lb. |
| 158SH-3 | 1-5/8" Corrugated & Smooth Wall | 10 pack | 1 lb. |
| 214SH-3 | 2-1/4" Corrugated & Smooth Wall | 10 pack | 2 lbs. |

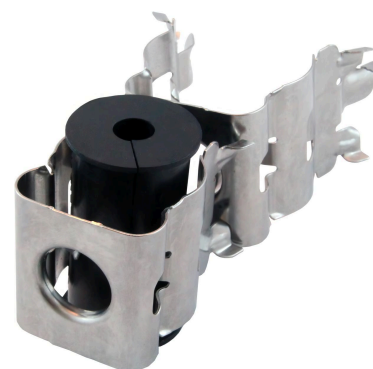


Stranded 10mm & 3/8" Cable Snap-In Hangers

These snap-in hangers are for use with Stranded 10mm & 3/8" Cable, 3/8" flex, or RG11U cables.

- Standard or stackable snap-ins with EPDM rubber insert
- Accept Stranded 10mm & 3/8" Cable, 3/8" flex, & RG11U

| Part # | Snap-In | Qty. | Weight |
|---------|-----------|---------|--------|
| 400SH-K | Standard | 10 pack | 2 lbs. |
| 400SS-A | Stackable | 10 pack | 2 lbs. |



PIM Isolator for Snap-In Hangers

Use this isolator in PIM-sensitive areas to prevent metal-to-metal contact when using snap-in hangers.

- Available in our PIM Shield® Product Guide
- Reduce PIM by elimination metal-to-metal contact for snap-in hangers
- Isolator snaps between hangers and mounting surface and between stacked hangers

| Part # | Qty. | Weight |
|--------|---------|--------|
| SA-ISO | 10 pack | 1 lb. |

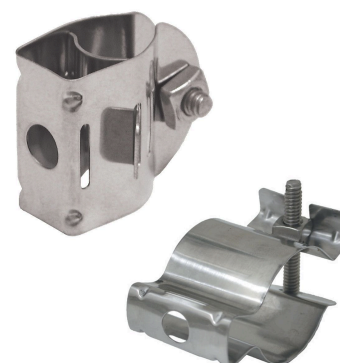


Butterfly Hangers

These versatile hangers can be mounted with 3/8" hardware to angle adapters or standoffs, or directly to tower members using banding or hose clamps.

- 304 stainless steel
- Captivated slotted SS screw and nut for tightening
- Attach with 3/8" hardware kits, banding, round member adapters, angle adapters, or standoff kits
- Fit corrugated and smooth-wall cables

| Part # | Cable Size | Qty. | Weight |
|--------|-----------------------------------|---------|--------|
| BUG12 | 3/8", 1/2", EW180, EW220, & EW240 | 10 pack | 1 lb. |
| BUG78 | 4/8", EW85, & EW90 | 10 pack | 1 lb. |
| BUG114 | 1-1/4" | 10 pack | 1 lb. |
| BUG158 | 1-5/8" | 10 pack | 1 lb. |



Cable Cushions

Use these cable cushions with hybrid snap-ins to support smaller cables.

- Available in our PIM Shield® Product Guide
- These cable cushions fit inside hybrid snap-ins and can be used to support smaller diameter RET, DC power, grounding, and fiber optic cables
- UV stable EPDM rubber
- Color coded for easy identification
- Installs inside PIM Shield hybrid snap-ins
- Sizes available to fit 4.5 mm to 30.3 mm cables



| Part # | Cable Size Range | Hanger | Qty. | Color | Weight |
|--------------|------------------|--------------|---------|--------|--------|
| PSCC-1001-10 | 4.5 to 6.5 mm | PSHS-1319-10 | 10 pack | Blue | 1 lb. |
| PSCC-1002-10 | 6.6 to 8.5 mm | PSHS-1319-10 | 10 pack | Gray | 1 lb. |
| PSCC-1003-10 | 8.6 to 10.5 mm | PSHS-1319-10 | 10 pack | Black | 1 lb. |
| PSCC-2001-10 | 10.6 to 12.5 mm | PSHS-2630-10 | 10 pack | Orange | 1 lb. |
| PSCC-2002-10 | 12.6 to 15.5 mm | PSHS-2630-10 | 10 pack | Black | 1 lb. |
| PSCC-2003-10 | 15.6 to 17.5 mm | PSHS-2630-10 | 10 pack | Gray | 1 lb. |
| PSCC-4001-10 | 19.6 to 30.3 mm | PSHS-4852-10 | 10 pack | Black | 1 lb. |

Universal Barrel Cushions

These universal barrel cushions adjust to a range of cable sizes.

- Available in our PIM Shield® Product Guide
- Designed to manage today's hybrid cables
- Universal fit holds cables tightly and reduces inventory need or fit issues
- Patented design holds the cable securely
- These rubber inserts fit inside snap-in hangers, butterfly hangers, or cable blocks for easy installation; see chart below for proper hanger size
- UV-resistant EPDM rubber is durable in extreme conditions



| Part # | Cable Size Range | Hanger Size | Qty. | Weight |
|----------|--------------------------|-------------|---------|--------|
| BCU158M7 | 7 holes for 4 mm to 9 mm | 1-5/8" | 10 pack | 2 lbs. |
| BCU12X | 3 mm to 13 mm | 1/2" | 10 pack | 1 lb. |
| BCU78X | 4 mm to 14 mm | 7/8" | 10 pack | 1 lb. |
| BCU114X | 14 mm to 25 mm | 1-1/4" | 10 pack | 1 lb. |
| BCU158X | 14 mm to 36 mm | 1-5/8" | 10 pack | 1 lb. |
| BCU214X | 14 mm to 45 mm | 2-1/4" | 10 pack | 2 lbs. |

Heavy-Duty Barrel Cushion

Use this heavy-duty barrel cushion with a 1-5/8" hanger to support 38-mm to 40 mm cables.

- Heavy duty collar secures cushion in hanger to prevent slippage
- Designed to manage today's hybrid cable; for use with snap-in hangers or butterfly hangers
- UV-resistant EPDM rubber is durable in extreme conditions



| Part # | Cable Size Range | Hanger Size | Qty. | Weight |
|----------|------------------|-------------|---------|--------|
| CIN38158 | 38 mm to 40 mm | 1-5/8" | 10 pack | 1 lb. |

Single-Hole Barrel Cushions

Match these barrel cushions with the appropriate hanger to support small cables.

- Available in our PIM Shield® Product Guide
- Designed to manage today's smaller cables, fiber, etc
- These rubber inserts fit inside snap-in hangers, butterfly hangers, or cable block for easy installation; see chart below for proper hanger size
- UV-resistant EPDM rubber is durable in extreme conditions



| Part # | Cable Size Range | Hanger Size | Qty. | Weight |
|----------|------------------|-------------|---------|--------|
| CIN1478 | 7 mm to 9 mm | 7/8" | 10 pack | 1 lb. |
| CIN3812 | 10 mm to 12 mm | 1/2" | 10 pack | 1 lb. |
| CIN3878 | 10 mm to 12 mm | 7/8" | 10 pack | 1 lb. |
| CIN58114 | 17 mm to 20 mm | 1-1/4" | 10 pack | 1 lb. |
| CIN22114 | 22 mm to 25 mm | 1-1/4" | 10 pack | 2 lbs. |
| CIN28114 | 27 mm to 29 mm | 1-1/4" | 10 pack | 2 lbs. |

Multi-Hole Barrel Cushions

Match these barrel cushions with the appropriate hanger to support small cables.

- Designed to manage today's smaller cables, fiber, etc
- These rubber inserts fit inside snap-in hangers, butterfly hangers, or cable block for easy installation; see chart below for proper hanger size
- Allow multiple runs with single attachment point
- UV-resistant EPDM rubber is durable in extreme conditions



| Part # | Cable Size & Type | # of Holes | Hole Size, In (mm) | Hanger Size | Qty. | Weight |
|------------|--|------------|---------------------|-------------|---------|--------|
| BC1410 | 1/4" Superflex & Stranded 6mm 1/4" Cable | 10 | 0.24 (6) | 1-5/8" | 10 pack | 3 lbs. |
| BC387 | Stranded 10mm & 3/8" Cable 3/8" Flex RG11U | 7 | 0.40 (10) | 1-5/8" | 10 pack | 2 lbs. |
| BC124 | 1/2" Coax | 4 | 0.63 (16) | 1-5/8" | 10 pack | 2 lbs. |
| BC582 | Stranded 22mm & 7/8" Cable 5/8" Coax | 2 | 0.84 (21) | 1-5/8" | 10 pack | 2 lbs. |
| BC144582 | (4) 1/4" Superflex/Stranded 6mm 1/4" Cable (2) Stranded 22mm & 7/8" Cable 5/8" Coax | 6 | 0.24 (6) 0.84 (21) | 2-1/4" | 10 pack | 2 lbs. |
| BC144122 | (4) 1/4" Superflex/Stranded 6mm 1/4" Cable (2) 1/2" Coax | 6 | 0.24 (6) 0.63 (16) | 1-5/8" | 10 pack | 2 lbs. |
| BC384122 | (4) Stranded 10mm & 3/8" Cable 3/8" Flex RG11U (2) 1/2" Coax | 6 | 0.40 (10) 0.63 (16) | 1-5/8" | 10 pack | 2 lbs. |
| BC144384 | (4) 1/4" Superflex/Stranded 6mm 1/4" Cable (4) Stranded 10mm 3/8" Cable 3/8" Flex RG11U | 8 | 0.24 (6) 0.40 (10) | 1-5/8" | 10 pack | 2 lbs. |
| BC10202158 | (1) 10 mm (2) 20 mm | 3 | 0.40 (10) 0.80 (20) | 1-5/8" | 10 pack | 2 lbs. |

Barrel Cushions for Elliptical Waveguide

Match these barrel cushions with the appropriate hanger to elliptical waveguide.

- Designed to manage elliptical waveguide
- These rubber inserts fit inside snap-in hangers, butterfly hangers, or cable block for easy installation; see chart below for proper hanger size
- UV-resistant EPDM rubber is durable in extreme conditions



| Part # | Cable Size & Type | # of Holes | Hole Size | Hanger Size | Qty. | Weight |
|--------|---|------------|---------------|-------------|---------|--------|
| BCE902 | EWP90S/EWP90/EW90 | 2 | 1.28" x 0.76" | 1-5/8" | 10 pack | 3 lbs. |
| BCE631 | EWP63/EW63/EWP63S/EW65/EWP64/EW63/EP70/E011 | 1 | 2" x 1.16" | 2-1/4" | 10 pack | 3 lbs. |

Cable Blocks

Cable blocks can be used to support vertical or horizontal cable runs.

- Available in our PIM Shield® Product Guide
- Manufactured from glass-filled polypropylene for long-term UV resistance
- Interior ribs plus increased width for superior cable retention
- Mount with 3/8" mounting hardware (sold separately)



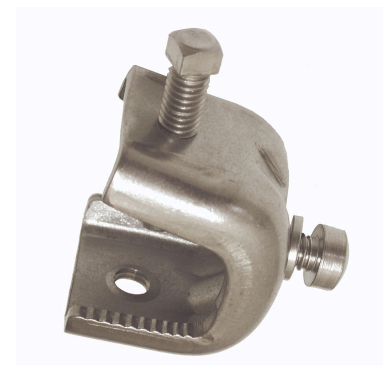
| Part # | Cable Size & Type | Qty. | Weight |
|---------|---|---------|--------|
| CXB4 | Fiber Kit (4 to 6 mm) | 10 pack | 1 lb. |
| CXB14-2 | 1/4" cable (8 mm) | 10 pack | 1 lb. |
| CXB38 | 3/8" cable & Stranded 10mm & 3/8" Cable | 10 pack | 1 lb. |
| CXB12 | 1/2" Corrugated | 10 pack | 1 lb. |
| CXB58 | 5/8" Corrugated | 10 pack | 1 lb. |
| CXB78 | 7/8" Corrugated | 10 pack | 1 lb. |
| CXB114 | 1-1/4" Corrugated | 10 pack | 2 lbs. |
| CXB158 | 1-5/8" Corrugated | 10 pack | 3 lbs. |
| CXB214 | 2-1/4" Corrugated | 10 pack | 3 lbs. |

Stainless 3/8" Angle Adapters

Use this adapter to make connections to angle or other flat steel members.

- Heavy-duty 304 stainless steel construction
- Serrated teeth grip steel surfaces
- Hardware includes 3/8" square-head bolt and fillister screw with lock washer
- 1" opening

| Part # | Qty. | Weight |
|--------|---------|--------|
| ADAP | 10 pack | 5 lbs. |



Angle Adapters for Snap-Ins

Use this adapter to make connections to angle or other flat steel members.

- Heavy-duty 304 stainless steel construction
- Stainless square-head bolt included
- Accepts up to two snap-in hangers
- 1" opening

| Part # | Qty. | Weight |
|--------|---------|--------|
| ADAP-0 | 10 pack | 5 lbs. |

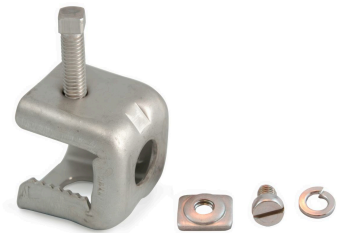


Universal Angle Adapters

Use this adapter to make connections to angle or other flat steel members.

- Heavy-duty 304 stainless steel construction
- Stainless square-head bolts, fillister screws, and lock washers included
- Includes 10 adapter inserts that convert 3/4" snap-in holes to threaded holes for use with 3/8" hardware
- 1" opening

| Part # | Qty. | Weight |
|--------|---------|--------|
| ADAP-U | 10 pack | 5 lbs. |



Galvanized 3/8" Angle Adapters

Use this adapter to make connections to angle or other flat steel members.

- Available in our PIM Shield® Product Guide
- Hot-dip galvanized steel construction
- Serrated teeth grip steel surfaces
- Galvanized hardware includes 3/8" square-head bolt and fillister screw with lock washer
- 1" opening

| Part # | Qty. | Weight |
|--------|---------|--------|
| GAP38 | 10 pack | 5 lbs. |



Universal Nylon Angle Adapter

Use this adapter in PIM-sensitive areas.

- Available in our PIM Shield® Product Guide
- Weather-resistant nylon material
- Includes 3/4" and 3/8" accessory mounting holes
- Torque-stop set bolt ensures proper attachment force
- Package of 10

| Part # | 10 pack | Weight |
|--------|---------|--------|
| PAA-U | 10 pack | 1 lb. |

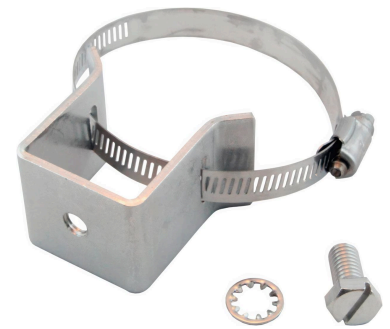


3/8" Tower Standoff Kits

Use these standoff kits to attach accessories to round tower members using 3/8" hardware.

- Heavy-duty 304 stainless steel construction
- Kits include SS hose clamps and 3/8" fillister screws with lock washers
- All kits stand 1" off leg

| Part # | Leg Size | Qty. | Weight |
|--------|---------------|---------|--------|
| STK1 | 3/4" - 1-1/2" | 10 pack | 3 lbs. |
| STK2 | 1-1/2" - 3" | 10 pack | 3 lbs. |
| STK3 | 3" - 4" | 10 pack | 4 lbs. |
| STK4 | 3" - 6" | 10 pack | 5 lbs. |

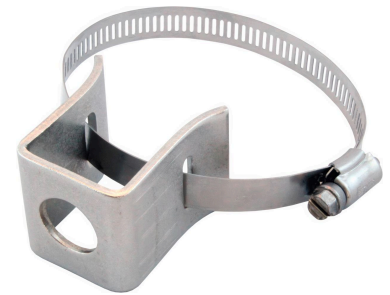


Tower Standoff Kits for Snap-Ins

Use these standoff kits to attach accessories to round tower members using snap-in hangers.

- Heavy-duty 304 stainless steel construction
- Kits include SS hose clamps
- All kits stand 1" off leg

| Part # | Leg Size | Qty. | Weight |
|--------|-------------|---------|--------|
| STK2-0 | 1-1/2" - 3" | 10 pack | 3 lbs. |
| STK3-0 | 3" - 4" | 10 pack | 4 lbs. |
| STK4-0 | 3" - 6" | 10 pack | 4 lbs. |

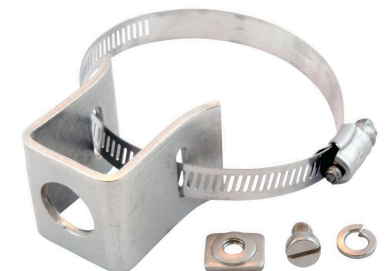


Universal Tower Standoff Kits

Use these standoff kits to attach accessories to round tower members using snap-in hangers or 3/8" hardware.

- Heavy-duty 304 stainless steel construction
- Kits include SS hose clamps and 3/8" fillister screws with lock washers and 10 adapter inserts that convert 3/4" snap-in holes to threaded holes for use with 3/8" hardware
- All kits stand 1" off leg

| Part # | Leg Size | Qty. | Weight |
|--------|-------------|---------|--------|
| STK2-U | 1-1/2" - 3" | 10 pack | 3 lbs. |
| STK3-U | 3" - 4" | 10 pack | 4 lbs. |
| STK4-U | 3" - 6" | 10 pack | 5 lbs. |



Tower Standoff Brackets

These standoff brackets can be mounted to round tower members using stainless steel banding.

- Heavy-duty 304 stainless steel construction
- Will accept up to 3/4" wide steel banding
- Useful for monopoles, water tanks, telephone poles, etc
- All brackets stand off 1"

| Part # | Leg Size | Type | Qty. | Weight |
|--------|-------------|---------------|---------|--------|
| SST | 1-1/2" - 3" | 3/8" Hardware | 10 pack | 2 lbs. |
| MST | 1-1/2" - 3" | 3/8" Hardware | 10 pack | 3 lbs. |
| MST-0 | 1-1/2" - 3" | Snap-In Hole | 10 pack | 2 lbs. |
| MST-U | 1-1/2" - 3" | Universal | 10 pack | 4 lbs. |
| LST | 3" and up | 3/8" Hardware | 10 pack | 4 lbs. |
| LST-0 | 3" and up | Snap-In Hole | 10 pack | 3 lbs. |
| LST-U | 3" and up | Universal | 10 pack | 4 lbs. |



Standoff Adapters

These standoff adapters brackets can be mounted to round tower members using nylon cable ties, plastic round-member adapters, or acetal banding.

- Available in our PIM Shield® Product Guide
- Attach with nylon cable ties, plastic round-member adapters, or acetal banding
- PSK is for use with cable blocks
- Accept 3/8" standard nut to allow threaded rod attachment
- Hold up to three cable blocks
- Fit on round or flat members
- SA1C is for use with snap-in hangers

| Part # | Description | Qty. | Weight |
|--------|---------------------------|---------|--------|
| PSK | Plastic Standoff Adapters | 10 pack | 8 lbs. |
| SA1C | Standoff Adapters | 10 pack | 1 lb. |



Multi-Function Snap-In Adapter 1 Position

These snap-in adapters can be mounted to angle or round tower members using low-PIM acetal straps.

- Available in our PIM Shield® Product Guide
- Cost efficient
- UV-stable glass-filled nylon construction
- Mounts to angle or round members using low-PIM acetal straps
- 3/4" accessory mounting hole

| Part # | Description | Qty. | Weight |
|-----------|---|---------|--------|
| 901044-10 | PIM Shield Multi-Function Snap-In Adapter, 1 Position | 10 pack | 6 lbs. |



Multi-Function Snap-In Adapter 2 Position

These snap-in adapters can be mounted to angle or round tower members using low-PIM acetal straps.

- Available in our PIM Shield® Product Guide
- Cost efficient
- UV-stable glass-filled nylon construction
- Mounts to angle or round members using low-PIM acetal straps
- Two 3/4" and on 3/8" accessory mounting holes



| Part # | Description | Qty. | Weight |
|-----------|---|---------|--------|
| 901045-10 | PIM Shield Multi-Function Snap-In Adapter, 2 Position | 10 pack | 9 lbs. |

TrapBox™ Standoff Kits for Snap-Ins

These standoff kits are used to mount cable runs to round tower members using snap-in hangers.

- 304 stainless steel trapezoid snap-in box
- For use with stackable snap-ins only
- Stand 1-1/2" off tower
- If using 1-1/4" or 1-5/8" MonoBloc stackable snap-ins, the center hole cannot be used (two runs only)
- Three 3/4" holes; maximum load is six 1-5/8" cables
- Sold in pack of 10



| Part # | Leg Size | Qty. | Weight |
|--------|-------------|---------|--------|
| TB1-K | 3/4" - 2" | 10 pack | 2 lbs. |
| TB2-K | 1-1/2" - 3" | 10 pack | 2 lbs. |
| TB3-K | 3" - 4" | 10 pack | 2 lbs. |
| TB4-K | 3" - 6" | 10 pack | 2 lbs. |

TrapBox™ Universal Standoff Kits

These standoff kits are used to mount cable runs to round tower members using snap-in or 3/8" hangers.

- 304 stainless steel trapezoid snap-in box
- Includes 10 each SS hose clamps, fillister screws, and lock washers
- Includes 10 adapter inserts that convert 3/4" snap-in holes to threaded holes for use with 3/8" hardware
- If using 1-1/4" or 1-5/8" MonoBloc stackable snap-ins, the center hole cannot be used (two runs only)
- Three 3/4" holes; maximum load is six 1-5/8" cables
- Sold in pack of 10



| Part # | Leg Size | Qty. | Weight |
|--------|-------------|---------|--------|
| TB1-U | 3/4" - 2" | 10 pack | 2 lbs. |
| TB2-U | 1-1/2" - 3" | 10 pack | 2 lbs. |
| TB3-U | 3" - 4" | 10 pack | 2 lbs. |
| TB4-U | 3" - 6" | 10 pack | 3 lbs. |

Stainless Steel Round Member Adapters

Use these hose clamps to make attachments to round or angle tower members.

- Marine-grade stainless steel hose clamps
- Finest quality
- Wider operating range than competing brands

| Part # | Size Range | Qty. | Weight |
|--------|-----------------|---------|--------|
| HC1-10 | 1" - 2-1/4" | 10 pack | 1 lb. |
| HC2-10 | 1-1/2" - 3" | 10 pack | 1 lb. |
| HC3-10 | 2-1/2" - 4-1/2" | 10 pack | 1 lb. |
| HC4-10 | 3-1/2" - 5-1/2" | 10 pack | 1 lb. |
| HC5-10 | 2" - 6-1/2" | 10 pack | 1 lb. |



Boots & Panels



4" Boot Assembly

These 4" boots are used to weatherproof cable runs at wall or roof penetrations.

- Boot material is unaffected by ozone, sunlight, aging, or temperature extremes; material meets ASTM-D2000 and SAE J200
- One-piece design for easy installation and superior water sealing properties
- Kit includes rubber boot and two stainless steel hose clamps
- Purchase cushion inserts separately

| Part # | Qty. | Weight |
|--------|------|--------|
| B400 | Each | 1 lb. |



4-1/2" Boot Assembly

These 4-1/2" boots are used to weatherproof cable runs at wall or roof penetrations.

- This boot is used around 4-1/2" OD pipe or conduit, it does not fit entry panels
- Boot material is unaffected by ozone, sunlight, aging, or temperature extremes; material meets ASTM-D2000 and SAE J200
- Traditional two-piece boot design
- Kit includes rubber boot and two stainless steel hose clamps
- Purchase cushion inserts separately

| Part # | Qty. | Weight |
|--------|------|--------|
| B450 | Each | 1 lb. |



5" Boot Assembly

These 5" boots are used to weatherproof cable runs at wall or roof penetrations.

- Boot material is unaffected by ozone, sunlight, aging, or temperature extremes; material meets ASTM-D2000 and SAE J200
- One-piece design for easy installation and superior water sealing properties
- Kit includes rubber boot and two stainless steel hose clamps
- Purchase cushion inserts separately

| Part # | Qty. | Weight |
|--------|------|--------|
| B500 | Each | 1 lb. |



4" Boot Kits

These boot kits are used to weatherproof cable runs at wall or roof penetrations.

- Manufactured from EPDM rubber for excellent UV resistance
- One-piece design for easy installation and superior water sealing properties
- Kits include rubber boot, cushion insert, and two stainless steel hose clamps



| Part # | Cable Size & Type | # of Holes | Size | Type | Weight |
|----------|--|------------|------|-----------------------|--------|
| BA143F | 1/4" Flex Coax | 3 | 4" | Coax | 1 lb. |
| BA38 | 3/8" Coax | 1 | 4" | Coax | 1 lb. |
| BA384 | 3/8" Coax | 4 | 4" | Coax | 2 lbs. |
| BA12FLX | 1/2" Flex Coax | 1 | 4" | Coax | 2 lbs. |
| BA124FLX | 1/2" Flex Coax | 4 | 4" | Coax | 1 lb. |
| BA12 | 1/2" Foam Coax | 1 | 4" | Coax | 1 lb. |
| BA122 | 1/2" Foam Coax | 2 | 4" | Coax | 1 lb. |
| BA123 | 1/2" Foam Coax | 3 | 4" | Coax | 1 lb. |
| BA124 | 1/2" Foam Coax | 4 | 4" | Coax | 1 lb. |
| BA129 | 1/2" Foam Coax | 9 | 4" | Coax | 1 lb. |
| BALR94 | 5/8" Coax | 4 | 4" | Coax | 1 lb. |
| BA78 | 7/8" Coax | 1 | 4" | Coax | 1 lb. |
| BA782 | 7/8" Coax | 2 | 4" | Coax | 1 lb. |
| BA783 | 7/8" Coax | 3 | 4" | Coax | 1 lb. |
| BA784 | 7/8" Coax | 4 | 4" | Coax | 1 lb. |
| BA114 | 1-1/4" Coax | 1 | 4" | Coax | 1 lb. |
| BA158 | 1-5/8" Coax | 1 | 4" | Coax | 1 lb. |
| BA214 | 2-1/4" Coax | 1 | 4" | Coax | 1 lb. |
| BAZERO | Blank, No Holes | 0 | 4" | Coax | 1 lb. |
| BA121M | (1) 1/2" Foam Coax & (2) 7/8" Coax | 3 | 4" | Mixed Coax | 1 lb. |
| BA122M | (2) 1/2" Foam Coax & (1) 7/8" Coax | 3 | 4" | Mixed Coax | 1 lb. |
| BA123M | (3) 1/2" Foam Coax & (2) 7/8" Coax | 5 | 4" | Mixed Coax | 1 lb. |
| BALR24 | Stranded 6mm & 1/4" Cable | 4 | 4" | Mixed Coax | 1 lb. |
| BALX4 | Stranded 10mm & 3/8" Cable, 3/8" Flex, & RG11U | 1 | 4" | Mixed Coax | 1 lb. |
| BALR42 | Stranded 10mm & 3/8" Cable, 3/8" Flex, & RG11U | 2 | 4" | Mixed Coax | 1 lb. |
| BALR44 | Stranded 10mm & 3/8" Cable, 3/8" Flex, & RG11U | 4 | 4" | Mixed Coax | 1 lb. |
| BAEW43 | EW43 | 1 | 4" | Elliptical Waveguide | 1 lb. |
| BAEW52 | EW52, EWP52, WE61 | 1 | 4" | Elliptical Waveguide | 1 lb. |
| BAEW63 | EW63, EWP63, WE65 | 1 | 4" | Elliptical Waveguide | 1 lb. |
| BAEW632 | EW63, EWP63, WE65 | 2 | 4" | Elliptical Waveguide | 1 lb. |
| BAEW77 | EW77, EWP77 | 1 | 4" | Elliptical Waveguide | 1 lb. |
| BAEW90 | EW90, EWP90 | 1 | 4" | Elliptical Waveguide | 1 lb. |
| BAEW903 | EW90, EWP90 | 3 | 4" | Elliptical Waveguide | 1 lb. |
| BAEW180 | EW180, EWP180, WE190, WE191 | 1 | 4" | Elliptical Waveguide | 1 lb. |
| BAWR75 | WR75 | 1 | 4" | Rectangular Waveguide | 1 lb. |
| BAWR90F | WR90 Flex | 1 | 4" | Rectangular Waveguide | 1 lb. |
| BAWR137 | WR137 | 1 | 4" | Rectangular Waveguide | 1 lb. |
| BAWR137F | WR137 Flex | 1 | 4" | Rectangular Waveguide | 1 lb. |

5" Boot Kits

These boot kits are used to weatherproof cable runs at wall or roof penetrations.

- Manufactured from EPDM rubber for excellent UV resistance
- One-piece design for easy installation and superior water sealing properties
- Kits include rubber boot, cushion insert, and two stainless steel hose clamps



| Part # | Cable Size & Type | # of Holes | Size | Type | Weight |
|----------|--|------------|------|-----------------------|--------|
| BB143F | 1/4" Flex Coax | 3 | 5" | Coax | 2 lbs. |
| BB38 | 3/8" Coax | 1 | 5" | Coax | 2 lbs. |
| BB384 | 3/8" Coax | 4 | 5" | Coax | 2 lbs. |
| BB12FLX | 1/2" Flex Coax | 1 | 5" | Coax | 2 lbs. |
| BB124FLX | 1/2" Flex Coax | 4 | 5" | Coax | 2 lbs. |
| BB12 | 1/2" Foam Coax | 1 | 5" | Coax | 2 lbs. |
| BB122 | 1/2" Foam Coax | 2 | 5" | Coax | 2 lbs. |
| BB123 | 1/2" Foam Coax | 3 | 5" | Coax | 2 lbs. |
| BB124 | 1/2" Foam Coax | 4 | 5" | Coax | 2 lbs. |
| BB129 | 1/2" Foam Coax | 9 | 5" | Coax | 2 lbs. |
| BBLR94 | 5/8" Coax | 4 | 5" | Coax | 2 lbs. |
| BB78 | 7/8" Coax | 1 | 5" | Coax | 2 lbs. |
| BB782 | 7/8" Coax | 2 | 5" | Coax | 2 lbs. |
| BB783 | 7/8" Coax | 3 | 5" | Coax | 2 lbs. |
| BB784 | 7/8" Coax | 4 | 5" | Coax | 2 lbs. |
| BB114 | 1-1/4" Coax | 1 | 5" | Coax | 2 lbs. |
| BB158 | 1-5/8" Coax | 1 | 5" | Coax | 2 lbs. |
| BB214 | 2-1/4" Coax | 1 | 5" | Coax | 2 lbs. |
| BBZERO | Blank, No Holes | 0 | 5" | Coax | 2 lbs. |
| BB121M | (1) 1/2" Foam Coax & (2) 7/8" Coax | 3 | 5" | Mixed Coax | 2 lbs. |
| BB122M | (2) 1/2" Foam Coax & (1) 7/8" Coax | 3 | 5" | Mixed Coax | 2 lbs. |
| BB123M | (3) 1/2" Foam Coax & (2) 7/8" Coax | 5 | 5" | Mixed Coax | 2 lbs. |
| BBLR24 | Stranded 6mm & 1/4" Cable | 1 | 5" | Mixed Coax | 2 lbs. |
| BBLX4 | Stranded 10mm & 3/8" Cable, 3/8" Flex, & RG11U | 1 | 5" | Mixed Coax | 2 lbs. |
| BBLR42 | Stranded 10mm & 3/8" Cable, 3/8" Flex, & RG11U | 2 | 5" | Mixed Coax | 2 lbs. |
| BBLR44 | Stranded 10mm & 3/8" Cable, 3/8" Flex, & RG11U | 4 | 5" | Mixed Coax | 2 lbs. |
| BBEW43 | EW43 | 1 | 5" | Elliptical Waveguide | 2 lbs. |
| BBEW52 | EW52, EWP52, WE61 | 1 | 5" | Elliptical Waveguide | 2 lbs. |
| BBEW63 | EW63, EWP63, WE65 | 1 | 5" | Elliptical Waveguide | 2 lbs. |
| BBEW632 | EW63, EWP63, WE65 | 2 | 5" | Elliptical Waveguide | 2 lbs. |
| BBEW77 | EW77, EWP77 | 1 | 5" | Elliptical Waveguide | 2 lbs. |
| BBEW772 | EW77, EWP77 | 2 | 5" | Elliptical Waveguide | 2 lbs. |
| BBEW90 | EW90, EWP90 | 1 | 5" | Elliptical Waveguide | 2 lbs. |
| BBEW903 | EW90, EWP90 | 3 | 5" | Elliptical Waveguide | 2 lbs. |
| BBEW180 | EW180, EWP180, WE190, WE191 | 1 | 5" | Elliptical Waveguide | 2 lbs. |
| BBWR75 | WR75 | 1 | 5" | Rectangular Waveguide | 2 lbs. |
| BBWR90F | WR90 Flex | 1 | 5" | Rectangular Waveguide | 2 lbs. |
| BBWR137 | WR137 | 1 | 5" | Rectangular Waveguide | 2 lbs. |
| BBWR137F | WR137 Flex | 1 | 5" | Rectangular Waveguide | 2 lbs. |

Large Boot Kits

These boot kits are used to weatherproof cable runs at the end of conduit or pipe.

- Manufactured from EPDM rubber for excellent UV resistance
- Kit includes rubber boot and two stainless steel hose clamps
- No cushion inserts required; holes are molded into the one-piece boot jacket
- 6" and 8" boots are for use with conduit
- 6-5/8" and 8-5/8" boots are for use with pipe
- Blank boots can be used for custom hole sizes or layouts
- For smaller cable sizes use with barrel cushions
- Other sizes available, contact our sales staff



| Part # | Cable Size & Type | # of Holes | Size | Weight |
|--------|-------------------|------------|--------------|--------|
| BE784 | 7/8" coax | 4 | 6" Boots | 3 lbs. |
| BE1143 | 1-1/4" coax | 3 | 6" Boots | 3 lbs. |
| BE1582 | 1-5/8" coax | 1 | 6" Boots | 3 lbs. |
| BEZERO | Blank, no holes | - | 6" Boots | 3 lbs. |
| BF784 | 7/8" coax | 4 | 6-5/8" Boots | 3 lbs. |
| BF1143 | 1-1/4" coax | 3 | 6-5/8" Boots | 3 lbs. |
| BF1582 | 1-5/8" coax | 2 | 6-5/8" Boots | 3 lbs. |
| BF1583 | 1-5/8" coax | 3 | 6-5/8" Boots | 3 lbs. |
| BFZERO | Blank, no holes | - | 6-5/8" Boots | 3 lbs. |
| BC1583 | 1-5/8" coax | 3 | 8" Boots | 3 lbs. |
| BC1584 | 1-5/8" coax | 4 | 8" Boots | 3 lbs. |
| BG784 | 7/8" coax | 4 | 8-5/8" Boots | 3 lbs. |
| BG1583 | 1-5/8" coax | 3 | 8-5/8" Boots | 3 lbs. |
| BG1584 | 1-5/8" coax | 4 | 8-5/8" Boots | 3 lbs. |
| BGZERO | Blank, no holes | - | 8-5/8" Boots | 3 lbs. |

4" Aluminum Entry Panels

These entry panels are used to weatherproof cable runs at wall or roof penetrations.

- Manufactured from heavy-gauge T6 aluminum
- Tough baked-on powder coat finish
- Sealing caps and stainless steel mounting hardware included
- Consider adding hose clamps to secure the sealing caps to the entry panel



| Part # | Port Size | # of Ports | Port Layout | Wall Opening | Overall Size | Weight |
|--------|-----------|------------|-------------|---------------|---------------|---------|
| E220 | 4" | 1 | 1 x 1 | 4" x 4" | 7" x 7" | 1 lb. |
| E574 | 4" | 1 | 1 x 1 | 4" x 4" | 5" x 5" | 1 lb. |
| E1448 | 4" | 2 | 1 x 2 | 4" x 10" | 9.5" x 15.5" | 2 lbs. |
| E1635 | 4" | 3 | 1 x 3 | 4" x 15" | 9.5" x 20" | 3 lbs. |
| E575 | 4" | 4 | 1 x 4 | 4" x 20.5" | 9.5" x 25.5" | 3 lbs. |
| E1199 | 4" | 4 | 2 x 2 | 9.5" x 11" | 17.5" x 17.5" | 4 lbs. |
| E1449 | 4" | 6 | 2 x 3 | 9.5" x 15" | 17.5" x 23" | 5 lbs. |
| E576 | 4" | 8 | 2 x 4 | 9.5" x 20.5" | 17.5" x 25.5" | 6 lbs. |
| E2408 | 4" | 9 | 3 x 3 | 15" x 15" | 23" x 23" | 7 lbs. |
| E1118 | 4" | 12 | 3 x 4 | 15" x 20.5" | 25.5" x 25.5" | 8 lbs. |
| E1336 | 4" | 12 | 2 x 6 | 9.5" x 31.5" | 17.5" x 39.5" | 9 lbs. |
| E1447 | 4" | 16 | 4 x 4 | 20.5" x 20.5" | 25.5" x 25.5" | 8 lbs. |
| E1333 | 4" | 18 | 3 x 6 | 15" x 31.5" | 25.5" x 39.5" | 12 lbs. |
| E1340 | 4" | 24 | 4 x 6 | 20.5" x 31.5" | 31" x 39.5" | 10 lbs. |

| Part # | Description | Weight |
|--------|--------------------------|--------|
| CAP4 | Entry Panel Sealing Caps | 1 lb. |

Cushion Plugs

Cushion plugs are used to seal unused holes in cushion inserts.

- Used to fill unsealed holes

| Part # | Cable | Qty. | Weight |
|--------|--------|------|--------|
| PG12 | 1/2" | Each | 1 lb. |
| PG78 | 7/8" | Each | 1 lb. |
| PG114 | 1-1/4" | Each | 1 lb. |
| PG158 | 1-5/8" | Each | 1 lb. |
| PGEW90 | EW90 | Each | 1 lb. |



4" Tube Entry

This tube entry can be used as a cable entry port through a wall or roof.

- Used to weatherproof between the tube entry and the transmission line; for a more finished appearance; a boot can be used on the interior as well
- Kit includes threaded PVC conduit (2-3/4" ID, 3-3/8" OD), 9" aluminum retaining rings, and nuts

| Part # | Max Wall Thickness | Weight |
|--------|---|--------|
| TEP20 | 20" (Can be Cut Down for Thinner Walls) | 4 lbs. |

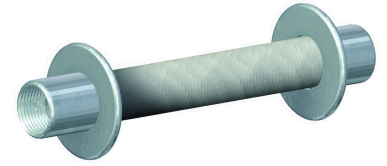


Cable/Electrical Entry

This entry provides a single port through a wall for a small transmission line or cable.

- Threaded conduit is 1-1/4" ID, 1-5/8" OD
- When combined with our ENC 12 or ENC78 cable entry connectors the entry provides a watertight installation for 1/2" or 7/8" transmission line

| Part # | Max Wall Thickness | Weight |
|--------|--|--------|
| CE09 | 9" (Can be Cut Down for Thinner Walls) | 2 lbs. |

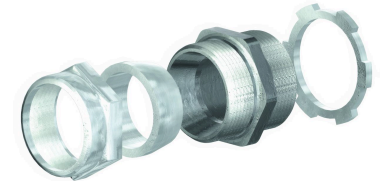


Cable Entry Connectors

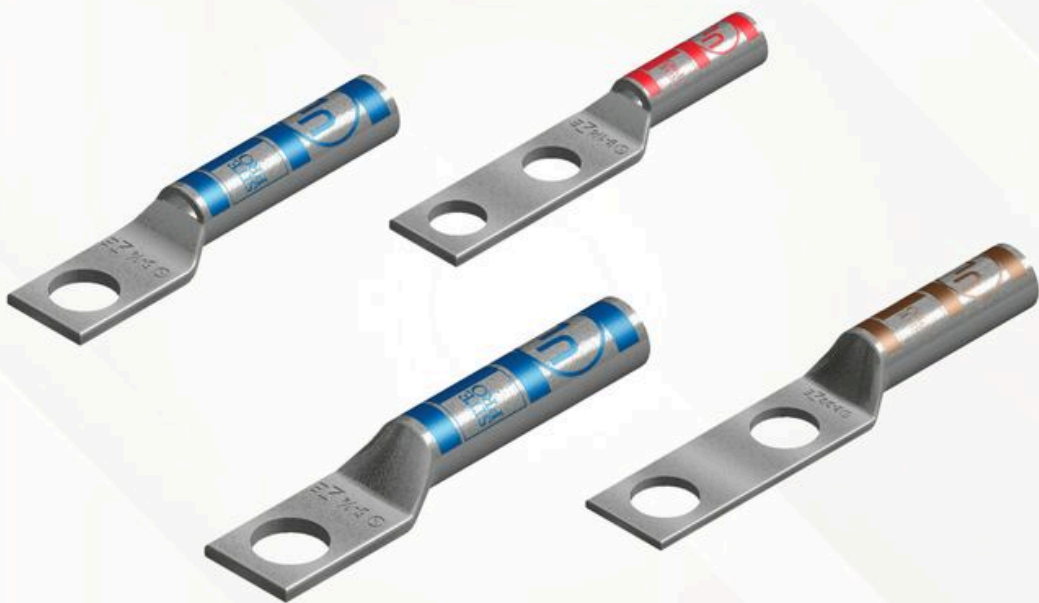
These connectors are used with the CE09 entry to seal 1/2" or 7/8" cables.

- Available for 1/2" or 7/8" transmission lines

| Part # | Cable Size Range | Weight |
|--------|--------------------|--------|
| ENC12 | 1/2" to 5/8" | 1 lb. |
| ENC78 | 1-1/16" to 1-3/16" | 1 lb. |



Grounding



Clip-On Ground Kits

These easy-to-use kits are used to ground cable runs.

- Simple installation; just wrap around cable and clip bail closed
- Design ensures tight fit without any damage to the cable
- Proper pressure and contact surface area are always maintained
- Kit includes unattached universal slotted 3/8" two-hole lug, hardware, butyl, and electrical tape
- Kits comply with MIL-STD-248-124A and withstand lightning strikes in excess of 200kA

| Part # | Cable Size & Type | Length | Lug | Weight |
|---------|-------------------|--------|------------|--------|
| GK-C12 | 1/2" Corrugated | 5' | Unattached | 2 lbs. |
| GK-C78 | 7/8" Corrugated | 5' | Unattached | 2 lbs. |
| GK-C114 | 1-1/4" Corrugated | 5' | Unattached | 2 lbs. |
| GK-C158 | 1-5/8" Corrugated | 5' | Unattached | 2 lbs. |



Tinned Ground Kit for Stranded 10mm & 3/8" Cable

Used to ground Stranded 10mm & 3/8" Cable or Stranded 6mm & 1/4" Cable transmission lines.

- Tinned copper ground kit assembly
- Design ensures tight fit without any damage to the cable; tighten nuts with 7/16" wrench
- Proper pressure and contact surface area are always maintained
- Kit includes unattached universal slotted 3/8" two-hole lug, hardware, butyl, and electrical tape
- Kit complies with MIL-STD-248-124A and withstand lightning strikes in excess of 200kA

| Part # | Cable Size & Type | Length | Lug | Weight |
|-----------|--|--------|------------|--------|
| EKS-400TT | Stranded 10mm & 3/8" Cable & Stranded 6mm & 1/4" Cable | 3' | Unattached | 1 lb. |



Universal Ground Kit

This universal kit can be used to ground transmission lines from 1/2" to 3".

- Fits cables from 1/2" to 3"; also fits elliptical waveguide EW43 to EW220
- Cut or break scored copper strap at marked location
- Kit complies with MIL-STD-248-124A and withstand lightning strikes in excess of 200kA
- Kit includes unattached universal slotted 3/8" two-hole lug, hardware, butyl, electrical tape, and brass tightening tool

| Part # | Cable Size & Type | Length | Lug | Weight |
|--------|-----------------------|--------|------------|--------|
| UGT5 | Universal, 1/2" to 3" | 5' | Unattached | 1 lb. |



Universal Ground Kit for Cat5 & 1/4" - 1/2" Coax

Use this kit to ground small transmission lines up to 1/2".

- Manufactured from EPDM rubber for excellent UV resistance
- Use with our 4", 4-1/2", and 5" boot assemblies
- Kit complies with MIL-STD-248-124A and withstand lightning strikes in excess of 200kA
- Kit includes unattached universal slotted 3/8" two-hole lug, hardware, butyl, and electrical tape

| Part # | Cable Size & Type | Length | Lug | Weight |
|--------|--|--------|----------|--------|
| GKCAT5 | Cat5 (0.1" - 0.60") & 1-4" - 1/2" Coax | 2' | Attached | 1 lb. |



Ratchet Crimping Tool

Use this tool for crimping lugs for #6, #4, #2, and #2 solid wires.

- Hand ratchet crimping tool with rotating die
- Ratchet action assures a complete crimping cycle every time
- Color-coded die has four cavities; #6, #4, #2, and #2 solid
- SP1267-01 die also available separately; includes four cavities for #8, E6, #4, and #2 AWG

| Part # | Description | Weight |
|-----------|------------------------------|--------|
| RCT5000 | Ratchet Crimping Tool | 2 lbs. |
| SP1267-01 | Die for #8, #6, #4, & #2 AWG | 1 lb. |



Dieless Crimping Tools

Use this tool for crimping lugs from 8 gauge to 250 MCM

- Our dieless crimping tools provide equal pressure around any brand of lug, forming a homogeneous mass of copper
- Crimps sizes from 8 gauge to 250 MCM
- Simple two-finger adjustment for cable size
- Can be used with our thin-wall C-taps

| Part # | Description | Range | Weight |
|---------|---------------------------|------------------|--------|
| SPT1000 | 24" Dieless Crimping Tool | 8 AWG to 250 MCM | 6 lbs. |
| SPT15 | 15" Dieless Crimping Tool | 8 AWG to 2/0 | 3 lbs. |



Barrel Connectors

Use these barrel connectors to splice sections of ground wire.

- UL listed
- Tin-plated copper
- Long length, color coded, and seamless
- Available individually or in bucket quantities

| Part # | Gauge | Color | Qty. | Weight |
|--------|-------|-------|------|---------|
| GL6B-B | 6 | Blue | 250 | 4 lbs. |
| GL2B-B | 6 | Brown | 250 | 15 lbs. |



One-Hole Compression Lugs

These lugs are used to attach ground wires to bus bars and equipment.

- UL listed
- Available with or without inspection window
- Tin-plated copper
- Longer barrel lengths than many other brands
- Color coded
- Available individually or in bucket quantities



| Part # | Gauge | Stud Size | Color | Type | Qty. | Weight |
|---------|-------|-----------|-------|-------------------|------|---------|
| HL804-B | 8 | 1/4" | Red | Inspection Window | 250 | 15 lbs. |
| HL604-B | 6 | 1/4" | Blue | Inspection Window | 250 | 6 lbs. |
| GL604-B | 6 | 1/4" | Blue | Closed | 250 | 6 lbs. |
| HL606-B | 6 | 3/8" | Blue | Inspection Window | 250 | 7 lbs. |
| GL606-B | 6 | 3/8" | Blue | Closed | 250 | 6 lbs. |
| HL212-B | 2 | 3/8" | Brown | Inspection Window | 250 | 15 lbs. |
| GL212-B | 2 | 3/8" | Brown | Closed | 250 | 15 lbs. |

Two-Hole Compression Lugs

These lugs are used to attach ground wires to bus bars and equipment.

- UL listed
- Available with or without inspection window
- Tin-plated copper
- Chamfered ends allow easy wire insertion
- Longer barrel lengths than many other brands
- Color coded
- Available individually or in bucket quantities



| Part # | Gauge | Stud Size | Hole Spacing | Color | Type | Qty. | Weight |
|----------|---------|-----------|--------------|----------|-------------------|------|---------|
| HL114-B | 14-10 | 1/4" | 5/8" | No Color | Inspection Window | 250 | 4 lbs. |
| GL808-B | 8 | #10 | 5/8" | Red | Closed | 250 | 6 lbs. |
| HL810-B | 8 | 1/4" | 5/8" | Red | Inspection Window | 250 | 15 lbs. |
| HL610-B | 6 | 1/4" | 5/8" | Blue | Inspection Window | 250 | 7 lbs. |
| GL610-B | 6 | 1/4" | 5/8" | Blue | Closed | 250 | 6 lbs. |
| HL612-B | 6 | 3/8" | 5/8" | Blue | Inspection Window | 250 | 15 lbs. |
| HL614-B | 6 | 3/8" | 1" | Blue | Inspection Window | 250 | 15 lbs. |
| GL614-B | 6 | 3/8" | 1" | Blue | Closed | 250 | 7 lbs. |
| HL208-B | 2 | 1/4" | 5/8" | Brown | Inspection Window | 250 | 10 lbs. |
| HL214-B | 2 | 3/8" | 1" | Brown | Inspection Window | 250 | 15 lbs. |
| GL214-B | 2 | 3/8" | 1" | Brown | Closed | 250 | 15 lbs. |
| HL216-B | 2 Solid | 3/8" | 1" | White | Inspection Window | 250 | 15 lbs. |
| GL216-B | 2 Solid | 3/8" | 1" | White | Closed | 250 | 15 lbs. |
| HL2025-B | 2/0 | 3/8" | 1" | Black | Inspection Window | 250 | 23 lbs. |
| HL4025-B | 4/0 | 3/8" | 1" | Purple | Inspection Window | 250 | 23 lbs. |

Universal Two-Hole Compression Lugs

These lugs are used to attach ground wires to bus bars and equipment.

- UL listed
- Available with or without inspection window
- Tin-plated copper
- Universal hole design allows 0.75" - 1.0" spacing
- Chamfered ends allow easy wire insertion
- Longer barrel lengths than many other brands
- Color coded
- Available individually or in bucket quantities



| Part # | Gauge | Stud Size | Hole Spacing | Color | Type | Qty. | Weight |
|---------|---------|-----------|--------------|-------|-------------------|------|---------|
| HLU6-B | 6 | 3/8" | 0.75" - 1" | Blue | Inspection Window | 250 | 7 lbs. |
| GLU6-B | 6 | 3/8" | 0.75" - 1" | Blue | Closed | 250 | 7 lbs. |
| HLU2S-B | 2 Solid | 3/8" | 0.75" - 1" | White | Inspection Window | 250 | 15 lbs. |
| GLU2S-B | 2 Solid | 3/8" | 0.75" - 1" | White | Closed | 250 | 9 lbs. |
| HLU2-B | 2 | 3/8" | 0.75" - 1" | Brown | Inspection Window | 250 | 15 lbs. |
| GLU2-B | 2 | 3/8" | 0.75" - 1" | Brown | Closed | 250 | 9 lbs. |

Stainless Steel Grounding Hardware Kits

Use these kits to attach ground lugs to bus bars.

- Use to attach lugs to ground bars, etc
- Kits include 10 each bolts, lock washers, flat washers, and nuts
- BUCKETS: Add "-B" to end of part #

| Part # | Bolt Size | Qty. | Weight |
|---------|---------------|----------|---------|
| GHK14 | 1/4" x 1-1/4" | 10 pack | 1 lb. |
| GHK14-B | 1/4" x 1-1/4" | 50 packs | 19 lbs. |
| GHK38 | 3/8" x 1-1/4" | 10 pack | 1 lb. |
| GHK38-B | 3/8" x 1-1/4" | 50 packs | 39 lbs. |



Split Bolts

These split bolts are used for making ground wire connections.

- UL listed and CSA certified
- Hard-drawn copper

| Part # | Min Wire | Max Wire | Weight |
|--------|----------|----------|--------|
| S-2 | 6 | 2 | 1 lb. |
| S-20 | 2 Solid | 2/0 | 1 lb. |



Pipe Ground Clamps

Pipe ground clamps can be used to make ground wire connections to fence posts, ice bridge columns, etc.

- UL listed and CSA certified
- Hardware included (zinc plated steel screws)



| Part # | Pipe Range | Wire Range | Weight |
|--------|-------------|-----------------------|--------|
| KP-1 | 1/2" - 1" | 10 Solid - 2 Stranded | 1 lb. |
| KP-2 | 1-1/4" - 2" | 10 AWG - 2 AWG | 1 lb. |
| KP-4 | 2-1/2" - 4" | 10 Solid - 2 Stranded | 1 lb. |

Thin-Wall C-Taps

These C-Taps are used to connect parallel ground wires.

- UL listed and CSA certified
- Wire size and die index clearly marked, with ribbed design providing added strength



| Part # | Run Wire | Tap Wire | Die Index | Weight |
|--------|------------|-----------------------|-----------|--------|
| RTC4 | 6 | 6 | Brown | 1 lb. |
| RTC5 | 2 Solid | 6 | Green | 1 lb. |
| RTC6 | 2 Stranded | 6 | Pink | 1 lb. |
| RTC7 | 2 Solid | 2 Solid | Black | 1 lb. |
| RTC8 | 2 Stranded | 2 Stranded or 2 Solid | Orange | 1 lb. |
| RTC9 | 2/0 | 2 Solid or 6 | Purple | 1 lb. |
| RTC10 | 2/0 | 2 Stranded | Yellow | 1 lb. |

Heavy-Duty C-Taps

C-Taps are used to connect parallel ground wires.

- UL listed and CSA certified
- Wire size and die index clearly marked



| Part # | Run Wire | Tap Wire | Die Index | Weight |
|--------|-----------------------|-----------------------|-----------|--------|
| HDCT1 | 6 | 6 | BG or 5/8 | 1 lb. |
| HDCT2 | 2 Stranded or 2 Solid | 6 | C | 1 lb. |
| HDCT3 | 2 Stranded or 2 Solid | 2 Stranded or 2 Solid | C | 1 lb. |
| HDCT4 | 2/0 | 2/0 | D3 | 1 lb. |
| HDCT5 | 4/0 | 4/0 | D3 | 1 lb. |

Insulated Wire Clamps

These clamps are used to attach ground wires in an orderly fashion for neatness and safety

- Stainless steel cable clamps with EPDM rubber insulation
- Keep your ground wires neat!
- BUCKETS: Add "-B" to end of part #

| Part # | Wire Size | Mounting Hole | Qty. | Weight |
|----------|--------------------------|---------------|------|---------|
| C2S-14 | 2 Solid | 1/4" | Each | 1 lb. |
| C2S-14-B | 2 Solid | 1/4" | 500 | 8 lbs. |
| C2S-38 | 2 Solid | 3/8" | Each | 1 lb. |
| C2S-38-B | 2 Solid | 3/8" | 500 | 12 lbs. |
| C2-14 | 2 AWG THHN or 2/0 Tinned | 1/4" | Each | 1 lb. |
| C2-14-B | 2 AWG THHN or 2/0 Tinned | 1/4" | 500 | 12 lbs. |
| C2-38 | 2 AWG THHN or 2/0 Tinned | 3/8" | Each | 1 lb. |
| C2-38-B | 2 AWG THHN or 2/0 Tinned | 3/8" | 500 | 11 lbs. |



Ground Rods

These rods are an essential component for grounding communication sites.

- UL listed and CSA certified
- Copper-clad steel pointed ground rods

| Part # | Size | Weight |
|--------|------------|---------|
| GR5880 | 5/8" x 8' | 6 lbs. |
| GR5800 | 5/8" x 10' | 8 lbs. |
| GR3400 | 3/4" x 10' | 12 lbs. |



Chemical Ground Rod Kit

This kit can be used at sites where poor soil conditions or space limitations make traditional ground systems impractical.

- Kit includes the chemical electrode, filled with electrolytic salts, bentonite, GEM backfill, and an inspection well
- Includes factory-attached 4' pigtail (#2 solid tinned wire) facing up
- Provides an efficient earth in poor soil conditions where spacing for electrodes is limited
- L-shaped with a 32" vertical section
- Other sizes available, please inquire
- Available for special order only; inquire for availability and lead time

| Part # | Description | Length | Orientation | Weight |
|------------|-------------------------|--------|-------------|----------|
| ECRH101T4U | Chemical Ground Rod Kit | 10' | Horizontal | 390 lbs. |



GROUNDING ACCESSORIES

Ground Inspection Well

Ground inspection wells are used to access the grounding system for inspection and testing.

- High-density polyethylene inspection well
- Two knockouts per box (3-1/2" x 1-1/2")
- Allows for periodic testing of grounding system

| Part # | Top OD x Height x Bottom OD | Weight |
|--------|-----------------------------|--------|
| T416B | 10" x 10-1/4" x 13" | 4 lbs. |



Ground Enhancement Material

This material is used to improve soil conditions at difficult-to-ground sites.

- Included in our chemical ground rod kit, we also offer it separately
- GEM is a low-resistance, non-corrosive carbon-based material that improves grounding effectiveness
- Can be installed wet or dry

| Part # | Size | Weight |
|---------|-----------|---------|
| GEM-25A | 25 lb bag | 25 lbs. |



Guy Wire Grounding Clamp

Use to ground strand at guy anchors

- Accepts ground wire #2 to 4/0
- For guy strand sizes 3-16" - 7/8"
- Suitable for direct burial
- UL listed #467
- 304 stainless steel hardware included
- Made of electro tin plated bronze

| Part # | Description | Weight |
|--------|--------------------------|--------|
| 119690 | Guy Wire Grounding Clamp | 1 lb. |

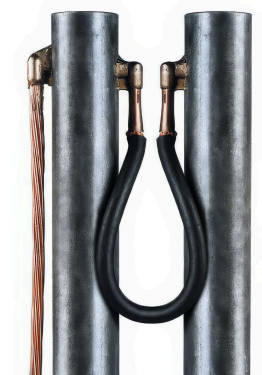


Erico Fence Post & Gate Jumpers

These jumpers are made from super flexible welding cable.

- 24" long insulated cable
- Require B160V chain handle and indicated weld metal

| Part # | Wire Gauge | Cadweld Mold | Weight |
|----------|------------|--------------|--------|
| FJ1T24 | 2 Stranded | VBC-1V-V3C | 1 lb. |
| FJ2G245K | 2/0 | VBC-2G-009 | 1 lb. |
| FJ2Q245K | 4/0 | VBC-2Q-003 | 2 lbs. |



Ground Wire

Multiple sizes and types of wire for all your site grounding needs.

- UL listed and CSA certified
- Due to the volatile nature of copper markets, please call for current pricing or check our website
- No returns, all sales final

| Part # | Description | Spool Size | Weight |
|--------|-------------------------|------------|----------|
| 2T-100 | 2 AWG Green Tinned THHN | 100' | 25 lbs. |
| 2T-250 | 2 AWG Green Tinned THHN | 250' | 63 lbs. |
| 2T-500 | 2 AWG Green Tinned THHN | 500' | 126 lbs. |
| 6G-100 | 6 AWG Green THHN | 100' | 10 lbs. |
| 6G-250 | 6 AWG Green THHN | 250' | 25 lbs. |
| 6G-500 | 6 AWG Green THHN | 500' | 49 lbs. |
| 2S-100 | 2 Solid Tinned | 100' | 21 lbs. |
| 2S-250 | 2 Solid Tinned | 250' | 50 lbs. |
| 2S-500 | 2 Solid Tinned | 500' | 100 lbs. |
| 2G-100 | 2 AWG Green THHN | 100' | 29 lbs. |
| 2G-250 | 2 AWG Green THHN | 250' | 64 lbs. |
| 2G-500 | 2 AWG Green THHN | 500' | 127 lbs. |



Non-Metallic Flexible Conduit

Use this conduit to protect buried or exposed cable runs.

- Smooth inner wall for easy cable pulling
- Flexible PVC construction
- Approved for direct burial

| Part # | Diameter | Length | Weight |
|--------|----------|--------|---------|
| NMC12 | 1/2" | 100' | 14 lbs. |
| NMC34 | 3/4" | 100' | 20 lbs. |



Cable Tray Jumpers

Use these jumpers to make electrical bonds between sections of cable tray.

- 6 AWG THHN green wire, 9" long
- 2-hole lugs
- 1-4" or 3/8" stud sizes
- Weatherproof connections with shrink tube
- Mounting hardware included
- Real time savers at a great price

| Part # | Lug Type | Stud Size | Hole Spacing | Weight |
|--------|----------|-----------|--------------|--------|
| CT214 | 2 Hole | 1/4" | 5/8" | 1 lb. |
| CT238 | 2 Hole | 3/8" | 1" | 1 lb. |



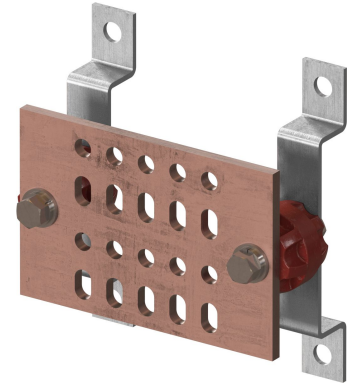
GROUND BARS

MG406U Ground Bars

Use ground bars to ground transmission lines and equipment.

- Accept 3/8" lugs
- 20 holes allow up to 10 runs with two-hole lugs
- Universal hole pattern accepts two-hole lugs with 3/4" to 1" hole spacing
- Kits include insulators and stainless steel mounting brackets

| Part # | Description | Weight |
|-------------|---|--------|
| MG406U-K | 1/4" x 4" x 6" Ground Bar with Insulators and Brackets | 3 lbs. |
| TINMG406U-K | 1/4" x 4" x 6" Tinned Ground Bar with Insulators and Brackets | 3 lbs. |

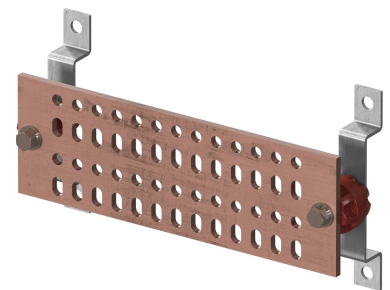


MG412U Ground Bars

Use ground bars to ground transmission lines and equipment.

- Accept 3/8" lugs
- 52 holes allow up to 26 runs with two-hole lugs
- Universal hole pattern accepts two-hole lugs with 3/4" to 1" hole spacing
- Kits include insulators and stainless steel mounting brackets

| Part # | Description | Weight |
|-------------|--|--------|
| MG412U | 1/4" x 4" x 12" Ground Bar | 4 lbs. |
| MG412U-K | 1/4" x 4" x 12" Ground Bar with Insulators and Brackets | 5 lbs. |
| TINMG412U | 1/4" x 4" x 12" Tinned Ground Bar | 3 lbs. |
| TINMG412U-K | 1/4" x 4" x 12" Tinned Ground Bar with Insulators and Brackets | 4 lbs. |

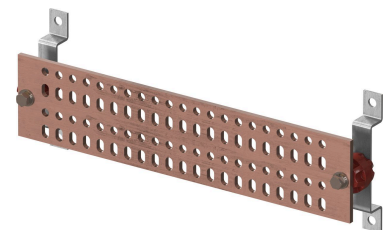


MG418U Ground Bars

Use ground bars to ground transmission lines and equipment.

- Accept 3/8" lugs
- 84 holes allow up to 42 runs with two-hole lugs
- Universal hole pattern accepts two-hole lugs with 3/4" to 1" hole spacing
- Kits include insulators and stainless steel mounting brackets

| Part # | Description | Weight |
|-------------|--|--------|
| MG418U-K | 1/4" x 4" x 18" Ground Bar with Insulators and Brackets | 7 lbs. |
| TINMG418U-K | 1/4" x 4" x 18" Tinned Ground Bar with Insulators and Brackets | 6 lbs. |

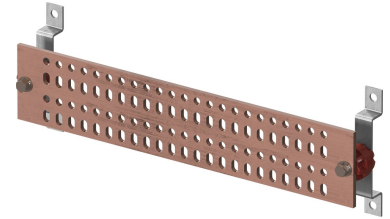


MG420U Ground Bars

Use ground bars to ground transmission lines and equipment.

- Accept 3/8" lugs
- 92 holes allow up to 46 runs with two-hole lugs
- Universal hole pattern accepts two-hole lugs with 3/4" to 1" hole spacing
- Kits include insulators and stainless steel mounting brackets

| Part # | Description | Weight |
|-------------|--|--------|
| MG420U | 1/4" x 4" x 20" Ground Bar | 6 lbs. |
| MG420U-K | 1/4" x 4" x 20" Ground Bar with Insulators and Brackets | 7 lbs. |
| TINMG420U | 1/4" x 4" x 20" Tinned Ground Bar | 6 lbs. |
| TINMG420U-K | 1/4" x 4" x 20" Tinned Ground Bar with Insulators and Brackets | 7 lbs. |

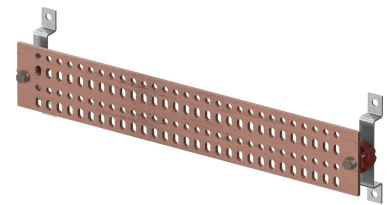


MG424U Ground Bars

Use ground bars to ground transmission lines and equipment.

- Accept 3/8" lugs
- 104 holes allow up to 52 runs with two-hole lugs
- Universal hole pattern accepts two-hole lugs with 3/4" to 1" hole spacing
- Kits include insulators and stainless steel mounting brackets

| Part # | Description | Weight |
|-------------|--|--------|
| MG424U | 1/4" x 4" x 24" Ground Bar | 7 lbs. |
| MG424U-K | 1/4" x 4" x 24" Ground Bar with Insulators and Brackets | 9 lbs. |
| TINMG424U | 1/4" x 4" x 24" Tinned Ground Bar | 6 lbs. |
| TINMG424U-K | 1/4" x 4" x 24" Tinned Ground Bar with Insulators and Brackets | 7 lbs. |

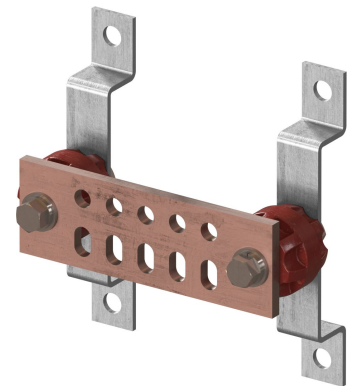


MG206U Ground Bars

Use ground bars to ground transmission lines and equipment.

- Accept 3/8" lugs
- 10 holes allow up to 5 runs with two-hole lugs
- Universal hole pattern accepts two-hole lugs with 3/4" to 1" hole spacing
- Kits include insulators and stainless steel mounting brackets

| Part # | Description | Weight |
|-------------|---|--------|
| MG206U-K | 1/4" x 2" x 6" Ground Bar with Insulators and Brackets | 2 lbs. |
| TINMG206U-K | 1/4" x 2" x 6" Tinned Ground Bar with Insulators and Brackets | 2 lbs. |



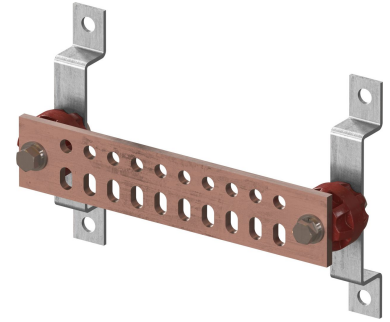
GROUND BARS

MG210U Ground Bars

Use ground bars to ground transmission lines and equipment.

- Accept 3/8" lugs
- 20 holes allow up to 10 runs with two-hole lugs
- Universal hole pattern accepts two-hole lugs with 3/4" to 1" hole spacing
- Kits include insulators and stainless steel mounting brackets

| Part # | Description | Weight |
|-------------|--|--------|
| MG210U | 1/4" x 2" x 10" Ground Bar | 2 lbs. |
| MG210U-K | 1/4" x 2" x 10" Ground Bar with Insulators and Brackets | 3 lbs. |
| TINMG210U | 1/4" x 2" x 10" Tinned Ground Bar | 2 lbs. |
| TINMG210U-K | 1/4" x 2" x 10" Tinned Ground Bar with Insulators and Brackets | 2 lbs. |

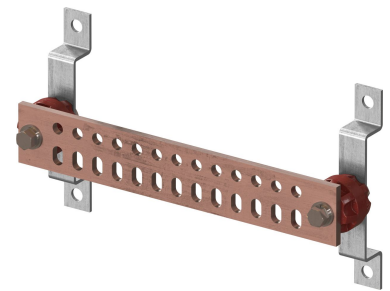


MG212U Ground Bars

Use ground bars to ground transmission lines and equipment.

- Accept 3/8" lugs
- 26 holes allow up to 13 runs with two-hole lugs
- Universal hole pattern accepts two-hole lugs with 3/4" to 1" hole spacing
- Kits include insulators and stainless steel mounting brackets

| Part # | Description | Weight |
|-------------|--|--------|
| MG212U | 1/4" x 2" x 12" Ground Bar | 2 lbs. |
| MG212U-K | 1/4" x 2" x 12" Ground Bar with Insulators and Brackets | 3 lbs. |
| TINMG212U | 1/4" x 2" x 12" Tinned Ground Bar | 2 lbs. |
| TINMG212U-K | 1/4" x 2" x 12" Tinned Ground Bar with Insulators and Brackets | 3 lbs. |



HDG412U Ground Bars

Use ground bars to ground transmission lines and equipment.

- Hot-dip galvanized steel bars deter theft
- Accepts 3/8" lugs, 52 holes for 26 runs with two-hole lugs
- Universal hole pattern accepts two-hole lugs with 3/4" to 1" hole spacing
- Kits include insulators and stainless steel mounting brackets

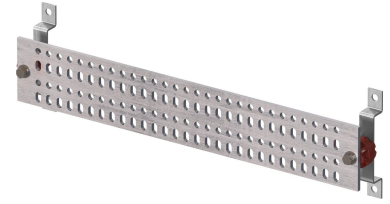
| Part # | Description | Weight |
|-----------|---|--------|
| HDG412U | 1/4" x 4" x 12" HDG Steel Ground Bar | 3 lbs. |
| HDG412U-K | 1/4" x 4" x 12" HDG Steel Ground Bar with Insulators and Brackets | 4 lbs. |



HDG424U Ground Bars

Use ground bars to ground transmission lines and equipment.

- Hot-dip galvanized steel bars deter theft
- Accepts 3/8" lugs, 116 holes for 58 runs with two-hole lugs
- Universal hole pattern accepts two-hole lugs with 3/4" to 1" hole spacing
- Kits include insulators and stainless steel mounting brackets

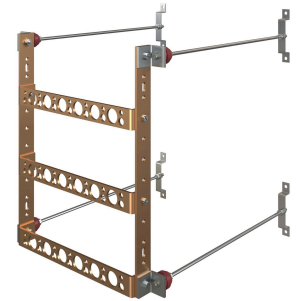


| Part # | Description | Weight |
|-----------|---|--------|
| HDG424U | 1/4" x 4" x 24" HDG Steel Ground Bar | 5 lbs. |
| HDG424U-K | 1/4" x 4" x 24" HDG Steel Ground Bar with Insulators and Brackets | 6 lbs. |

Arrestor Trapeze Kit

Use this kit to mount lightning arrestors for transmission lines.

- Central ground point for lightning arrestors, compatible with standard entry ports
- 1/4" thick solid 110 copper, height-adjustable bars, three levels for up to six arrestors per level
- Supports bulkhead or bolt-on surge arrestors, includes stainless steel mounting hardware for ceiling or wall installation

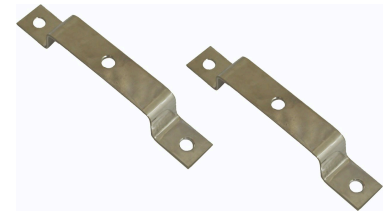


| Part # | Description | Weight |
|---------|----------------------|---------|
| ATK306U | Arrestor Trapeze Kit | 21 lbs. |

Ground Bar Mounting Brackets

This kit includes two stainless steel brackets for mounting ground bars to a building wall.

- Stainless steel mounting brackets are sold in pairs



| Part # | Description | Qty. | Weight |
|--------|------------------------------|----------|--------|
| MT200 | Ground Bar Mounting Brackets | Kit of 2 | 1 lb. |

Ground Bar Insulators

This kit includes two insulators for use with ground bars.

- Insulators are sold in pairs with all necessary 3/8" stainless steel hardware



| Part # | Description | Qty. | Weight |
|---------|-----------------------|----------|--------|
| INS38-K | Ground Bar Insulators | Kit of 2 | 1 lb. |

Ground Bar Tower Mounting Kit

This kit includes angle adapters and insulators for mounting ground bars to tower members.

- Pair of insulators and stainless steel angle adapters, stainless steel hardware included



| Part # | Description | Weight |
|-----------|-------------------------------|--------|
| MG-ADAP-K | Ground Bar Tower Mounting Kit | 1 lb. |

Universal Ground Bar Mounting Kit

This universal kit includes the hardware needed to attach ground bars to tower members or to a building wall.

- Pair of insulators, stainless steel mounting brackets, and stainless steel angle adapters
- Stainless steel hardware included

| Part # | Description | Weight |
|--------|-----------------------------------|--------|
| UGBMK | Universal Ground Bar Mounting Kit | 2 lbs. |

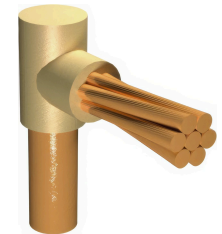


Erico Cable to Top of Ground Rod Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Require L160 handle and indicated weld metal

| Part # | Wire Size | Ground Rod | Weld Metal | Weight |
|----------|-----------|------------|------------|--------|
| GRC-161T | 2 Solid | 5/8" | #65 | 3 lbs. |
| GRC-162G | 2/0 | 5/8" | #90 | 3 lbs. |

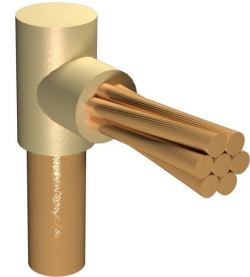


Erico Cable Through Top of Ground Rod Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Require L160 handle and indicated weld metal

| Part # | Wire Size | Ground Rod | Weld Metal | Weight |
|----------|-----------|------------|------------|--------|
| GTC-161T | 2 Solid | 5/8" | #90 | 3 lbs. |
| GTC-181T | 2 Solid | 3/4" | #90 | 4 lbs. |
| GTC-162G | 2/0 | 5/8" | #115 | 4 lbs. |
| GTC-162Q | 4/0 | 5/8" | #115 | 4 lbs. |

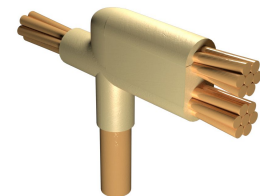


Erico Run and Tap Cables to Top of Ground Rod Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Requires L160 handle and indicated weld metal

| Part # | Wire Size | Ground Rod | Weld Metal | Weight |
|----------|-----------------------------------|------------|------------|--------|
| NCR-161T | Universal Ground Bar Mounting Kit | 5/8" | #115 | 3 lbs. |

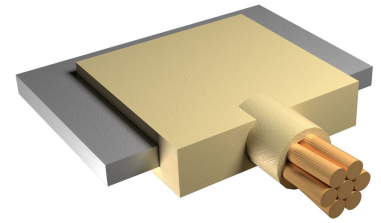


Erico Ground Wire to 1/4" Thick Bus Bar Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Require L160 handle and indicated weld metal

| Part # | Wire Size | Weld Metal | Weight |
|----------|------------|------------|--------|
| LJC-EG1V | 2 Stranded | #65 | 3 lbs. |
| LJC-EG1T | 2 Solid | #65 | 3 lbs. |
| LJC-EG2G | 2/0 | #90 | 3 lbs. |
| LJC-EG2Q | 4/0 | #90 | 3 lbs. |



Erico Wire to Wire Splice Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Require L160 handle and indicated weld metal

| Part # | Wire Size | Weld Metal | Weight |
|--------|-----------|------------|--------|
| SSC-1T | 2 Solid | #32 | 3 lbs. |
| SSC-2G | 2/0 | #65 | 3 lbs. |

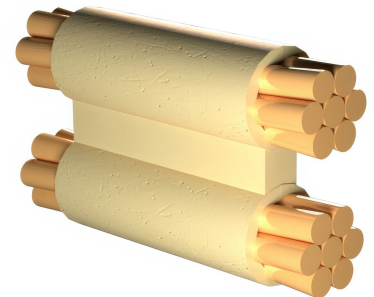


Erico Horizontal Wire Parallel Splice Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Require L160 handle and indicated weld metal

| Part # | Wire Size | Weld Metal | Weight |
|----------|-----------------------|------------|--------|
| PTC-1T1V | 2 Solid to 2 Stranded | #65 | 3 lbs. |
| PTC-1T1T | 2 Solid to 2 Solid | #65 | 3 lbs. |
| PTC-2G1T | 2/0 to 2 Solid | #90 | 4 lbs. |
| PTC-2G2G | 2/0 to 2/0 | #115 | 4 lbs. |

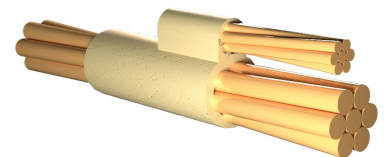


Erico Parallel Tap Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Require L160 handle and indicated weld metal

| Part # | Run Wire | Tap Wire | Weld Metal | Weight |
|----------|----------|----------|------------|--------|
| PCC-1T1T | 2 Solid | 2 Solid | #65 | 3 lbs. |
| PCC-2G1T | 2/0 | 2 Solid | #90 | 3 lbs. |

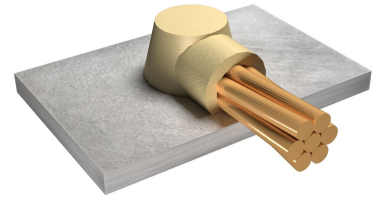


Erico Wire to Flat Plate Mold

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Horizontal wire to flat steel; wire rests on surface
- Includes handle clamp
- Requires indicated weld metal

| Part # | Wire Size | Weld Metal | Weight |
|--------|-----------|------------|--------|
| HAA-1T | 2 Solid | #45 | 2 lbs. |

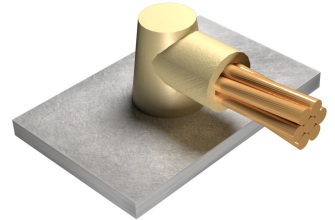


Erico Ground Wire to Flat Plate Mold

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Horizontal wire to flat steel; wire is off surface
- Requires L160 handle and indicated weld metal

| Part # | Wire Size | Weld Metal | Weight |
|--------|-----------|------------|--------|
| HSC-2G | 2/0 | #90 | 3 lbs. |

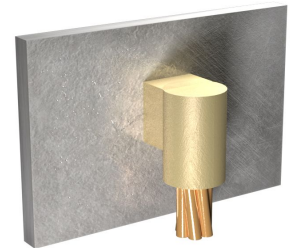


Erico Vertical Wire to Flat Steel Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Cable runs straight down and off surface
- Requires L160 handle and indicated weld metal

| Part # | Wire Size | Weld Metal | Weight |
|--------|------------|------------|--------|
| VBC-1T | 2 Solid | #65 | 3 lbs. |
| VBC-1V | 2 Stranded | #45 | 3 lbs. |

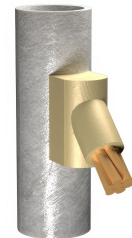


Erico Wire to Vertical Flat Steel Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Cable runs down at 45° angle
- Requires L160 handle and indicated weld metal

| Part # | Wire Size | Weld Metal | Weight |
|--------|--------------|------------|--------|
| VFC-1T | 2 Solid | #65 | 3 lbs. |
| VSC-1T | 2 Solid | #45 | 3 lbs. |
| VSC-2G | 2/0 Stranded | #90 | 3 lbs. |

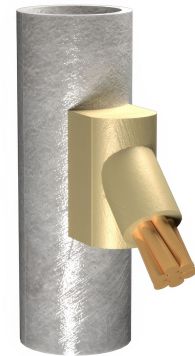


Erico Wire to Vertical Pipe Down Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Cable runs down at 45° angle
- Require B160V chain handle and indicated weld metal

| Part # | Wire Size | Nominal Pipe Size | Weld Metal | Weight |
|------------|------------|-------------------|------------|--------|
| VSC-1V-V3C | 2 Stranded | 1-1/2" - 4" | #45 | 3 lbs. |
| VSC-1T-V3C | 2 Solid | 1-1/2" - 4" | #45 | 3 lbs. |
| VSC-1T-V5C | 2 Solid | 4" - 6" | #45 | 3 lbs. |
| VSC-2G-V3C | 2/0 | 2" - 4" | #90 | 3 lbs. |
| VSC-2Q-V3C | 4/0 | 2" - 4" | #115 | 4 lbs. |

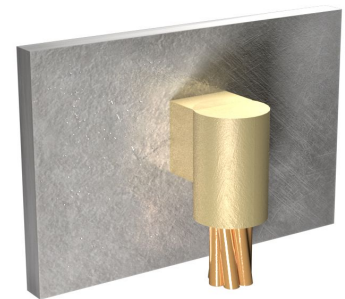


Erico Wire to Vertical Pipe Straight Down Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Cable runs straight down
- Require B160V chain handle and indicated weld metal

| Part # | Wire Size | Nominal Pipe Size | Weld Metal | Weight |
|------------|------------|-------------------|------------|--------|
| VBC-1V-V3C | 2 Stranded | 2" - 4" | #65 | 4 lbs. |
| VBC-1T-V3C | 2 Solid | 2" - 4" | #65 | 3 lbs. |
| VBC-2G-009 | 2/0 | 1-1/4" - 3-1/2" | #90 | 4 lbs. |
| VBC-2Q-003 | 4/0 | 1-1/4" - 3-1/2" | #115 | 4 lbs. |

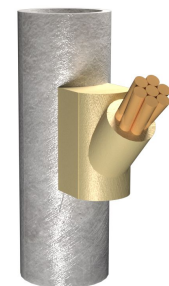


Erico Wire to Vertical Pipe Up Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Require B160V chain handle and indicated weld metal

| Part # | Wire Size | Wire Orientation | Nominal Pipe Size | Weld Metal | Weight |
|---------------|------------|------------------|-------------------|------------|--------|
| VFC-1V-V3C | 2 Stranded | Straight Up | 2" - 4" | #65 | 4 lbs. |
| VFC-1T-V3C | 2 Solid | Straight Up | 2" - 4" | #65 | 3 lbs. |
| VFC-1T002-V3C | 2 Solid | Up at 45° | 2" - 4" | #65 | 4 lbs. |

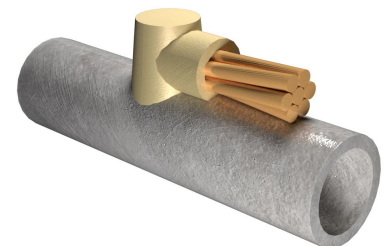


Erico Horizontal Wire to Horizontal Pipe Molds

These mechanical grounding clamps are easily installed using only a hammer.

- Irreversible mechanical connection with excellent strength
- Fast and simple installation requires only a hammer
- No special training required
- Provides a visual indication of completed connection
- Allows for "T" or pass-through connections
- Verizon Approved

| Part # | Wire Size | Nominal Pipe Size | Weld Metal | Weight |
|-------------|-----------|-------------------|------------|--------|
| HAA-1T-162C | 2 Solid | 1-1/4" - 2" | #45 | 2 lbs. |
| HAA-1T-350C | 2 Solid | 3" - 4" | #45 | 2 lbs. |

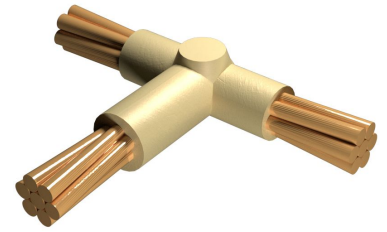


Erico Ground Wire T-Connection Molds

These exothermic molds provide reliable grounding connections needed for wireless sites.

- Requires L160 handle and indicated weld metal

| Part # | Run Wire | Tap Wire | Weld Metal | Weight |
|----------|----------|----------|------------|--------|
| TAC-1T1T | 2 Solid | 2 Solid | #45 | 3 lbs. |
| TAC-2G2G | 2/0 | 2/0 | #90 | 3 lbs. |
| TAC-2Q2Q | 4/0 | 4/0 | #150 | 3 lbs. |



Weld Metal

Use this weld metal with the appropriate molds for making exothermic connections.

- Each weld metal tube contains the starting material at the bottom and the weld metal on top
- Sold in cases

| Part # | Weld Metal # | Case Qty. | Weight |
|-----------|--------------|-----------|--------|
| #45-CASE | #45 | 20 | 3 lbs. |
| #65-CASE | #65 | 20 | 3 lbs. |
| #90-CASE | #90 | 10 | 2 lbs. |
| #115-CASE | #115 | 10 | 3 lbs. |



Cadweld Plus Weld Metal & Electronic Igniter

Use this weld metal with the appropriate molds for making exothermic connections.

- Consist of disposable, moisture-resistant weld metal cup; weld metal, disk, and ignition source are located inside package
- No need for disks, starting material, igniters, etc
- Reduce installation time by 20%
- Use ordinary Cadweld molds and get perfect results every time
- Using the electronic igniter, weld are made with the installer 6 feet away
- Igniter includes 8 AA batteries
- Sold in Cases
- For use with Cadweld brand molds only

| Part # | Weld Metal # | Case Qty. | Weight |
|-------------|------------------|-----------|--------|
| 45PLUSF20 | #45 | 20 | 3 lbs. |
| 65PLUSF20 | #65 | 20 | 4 lbs. |
| 90PLUSF20 | #90 | 10 | 3 lbs. |
| 115PLUSF20 | #115 | 10 | 3 lbs. |
| PLUSCU2L6 | Control Unit | Each | 2 lbs. |
| PLUSCU2RLD6 | Replacement Cord | Each | 1 lb. |



Handle Clamps

Handle clamps are used to secure molds when making exothermic connections. Available in both standard and chain-clamp models, they accommodate various mold and pipe applications.

- Standard handle clamp is suitable for general mold securing applications
- Chain handle clamp is designed for securing molds to vertical pipes, available with a 20" chain for pipes up to 4" in diameter.

| Part # | Description | Weight |
|----------|---------------------|--------|
| L160 | Handle Clamp | 3 lbs. |
| B160V | Chain Handle Clamp | 5 lbs. |
| B-106-27 | 20" Extension Chain | 1 lb. |



Flint Igniter & Replacement Flints

This igniter is used to start the exothermic welding process.

- Use to ignite weld metal; not required for Cadweld Plus

| Part # | Description | Qty. | Weight |
|--------|--------------------|---------|--------|
| T320 | Flint Igniter | Each | 1 lb. |
| T320A | Replacement Flints | 10 pack | 1 lb. |

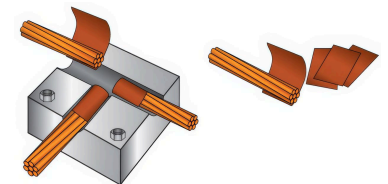


Adapter Sleeves

These adapter sleeves are used to increase the diameter of smaller cable to match mold openings.

- Adapter sleeves change #2 stranded molds to #6 stranded
- Wrap sleeves wrap around cables to match mold opening

| Part # | Description | Qty. | Weight |
|--------|-----------------|---------|--------|
| B140A | Wrap Sleeves | 50 pack | 1 lb. |
| B112 | Adapter Sleeves | 25 pack | 1 lb. |



Weld Disk Kit

Extra disks for use in making exothermic connections.

- Included with weld metal; also available separately
- 60 pieces: 20 each of #15 - #32, #45 - #115, and #150 - #500

| Part # | Description | Weight |
|--------|-------------|--------|
| T328D | Disk Kit | 1 lb. |



Mold Cleaning Brush

Use this brush to clean molds between uses.

- Useful in removing slag from molds, especially vertically split molds

| Part # | Description | Weight |
|--------|---------------------|--------|
| T394 | Mold Cleaning Brush | 1 lb. |



EXOTHERMIC STARTER KITS

Plus-Start Exothermic Starter Kit

Use this kit to outfit your crew with the essential parts need to do exothermic grounding.

- A premium starter kit for new crews featuring Cadweld's electronic ignition system and Plus weld metal; contains all the exothermic materials typically used in wireless infrastructure construction
- PLUSCU2L6 electronic control unit
- L160 standard and B160V chain handle clamps
- One each PTC-1T1T, TAC-1T1T, LJC-EG1T, GTC-161T, VSC-1T-V3C, VFC-1T-v3c, and HAA-1T molds
- One case of 45PLUSf20, two cases of 65PLUSF20, and one case of 90PLUSF20 weld metal
- T394 mold cleaning brush
- One package of EPD1 mold sealer
- Storage bin



| Part # | # of parts | Weight |
|------------|------------|---------|
| PLUS-START | 17 | 50 lbs. |

Exo-Start Exothermic Starter Kit

Use this kit to outfit your crew with the essential parts need to do exothermic grounding.

- A starter kit for new crews; contains all the exothermic materials typically used in wireless infrastructure construction
- L160 standard handle and B160V chain handle
- One each PTC-1T1T, TAC-1T1T, LJC-EG1T, GTC-161T, VSC-1T-V3C, VFC-1T-v3c, and HAA-1T molds
- One case of #45, two cases of #65, and one case of #90 weld metal
- T320 flint igniter and T394 mold cleaning brush
- One package of EPD1 mold sealer
- Storage bin



| Part # | # of parts | Weight |
|-----------|------------|---------|
| EXO-START | 17 | 42 lbs. |

Tapes, Chemicals, Banding



TEK Clip™ Cable Identification Clips

These clips are used as an alternative to electrical tape for color-coding cable runs.

- Available in our PIM Shield® Product Guide
- AT&T, T-Mobile & Verizon Approved
- Eliminate need to identify cables with colored tape
- Can be installed over factory labels while leaving factory information visible
- Safe and easy to install; reusable and adjustable
- Flexible design to fit a variety of cables
- Allow for thermal expansion and contraction without loosening
- Durable design will not peel off
- Available colors: BN-Brown, BU-Blue, GN-Green, GY-Gray, OR-Orange, PK-Pink, PU-Purple, RD-Red, WT-White, YW-Yellow



| Part # | Cable Size, OD (Nominal) | Color | Qty. | Weight |
|---------------|--------------------------|--------|----------|--------|
| TEK-CP1-12-BU | 1/2" | Blue | 100 pack | 1 lb. |
| TEK-CP1-14-BU | 1/4" | Blue | 100 pack | 1 lb. |
| TEK-CP1-38-BU | 3/8" | Blue | 100 pack | 1 lb. |
| TEK-CP1-12-BN | 1/2" | Brown | 100 pack | 1 lb. |
| TEK-CP1-14-BN | 1/4" | Brown | 100 pack | 1 lb. |
| TEK-CP1-38-BN | 3/8" | Brown | 100 pack | 1 lb. |
| TEK-CP1-12-GY | 1/2" | Gray | 100 pack | 1 lb. |
| TEK-CP1-14-GY | 1/4" | Gray | 100 pack | 1 lb. |
| TEK-CP1-38-GY | 3/8" | Gray | 100 pack | 1 lb. |
| TEK-CP1-12-GN | 1/2" | Green | 100 pack | 1 lb. |
| TEK-CP1-14-GN | 1/4" | Green | 100 pack | 1 lb. |
| TEK-CP1-38-GN | 3/8" | Green | 100 pack | 1 lb. |
| TEK-CP1-12-OR | 1/2" | Orange | 100 pack | 1 lb. |
| TEK-CP1-14-OR | 1/4" | Orange | 100 pack | 1 lb. |
| TEK-CP1-38-OR | 3/8" | Orange | 100 pack | 1 lb. |
| TEK-CP1-12-PK | 1/2" | Pink | 100 pack | 1 lb. |
| TEK-CP1-14-PK | 1/4" | Pink | 100 pack | 1 lb. |
| TEK-CP1-38-PK | 3/8" | Pink | 100 pack | 1 lb. |
| TEK-CP1-12-PU | 1/2" | Purple | 100 pack | 1 lb. |
| TEK-CP1-14-PU | 1/4" | Purple | 100 pack | 1 lb. |
| TEK-CP1-38-PU | 3/8" | Purple | 100 pack | 1 lb. |
| TEK-CP1-12-RD | 1/2" | Red | 100 pack | 1 lb. |
| TEK-CP1-14-RD | 1/4" | Red | 100 pack | 1 lb. |
| TEK-CP1-38-RD | 3/8" | Red | 100 pack | 1 lb. |
| TEK-CP1-12-WT | 1/2" | White | 100 pack | 1 lb. |
| TEK-CP1-14-WT | 1/4" | White | 100 pack | 1 lb. |
| TEK-CP1-38-WT | 3/8" | White | 100 pack | 1 lb. |
| TEK-CP1-12-YW | 1/2" | Yellow | 100 pack | 1 lb. |
| TEK-CP1-14-YW | 1/4" | Yellow | 100 pack | 1 lb. |
| TEK-CP1-38-YW | 3/8" | Yellow | 100 pack | 1 lb. |

Expandable ColorCodedCuff™ Markers

These cable cuffs provide a safe, easy-to-install and environmentally friendly method to identify cable.

- Available in our PIM Shield® Product Guide
- AT&T, T-Mobile & Verizon Approved
- Improved design fits a range of cable sizes
- Used as an alternative to electrical tape for color coding cable runs
- Will not move or slip on the cable
- Easy one-handed installation; no tools required
- Can be removed and reused
- Available colors: BLU-Blue, BRN-Brown, GRN-Green, ORG-Orange, PNK-Pink, RED-Red, SLT-Slate, VLT-Violet, WHT-White, YLW-Yellow
- Sold in packs of 25



| Part # | Cable Size, OD | Color | Qty. | Weight |
|----------------|---------------------------------|--------|---------|--------|
| CCC-SM-S25-BRN | 0.19" - 0.34" (4.8mm - 8.6mm) | Brown | 25 Pack | 1 lb. |
| CCC-SM-S25-WHT | 0.19" - 0.34" (4.8mm - 8.6mm) | White | 25 Pack | 1 lb. |
| CCC-SM-S25-VLT | 0.19" - 0.34" (4.8mm - 8.6mm) | Violet | 25 Pack | 1 lb. |
| CCC-SM-S25-SLT | 0.19" - 0.34" (4.8mm - 8.6mm) | Slate | 25 Pack | 1 lb. |
| CCC-SM-S25-RED | 0.19" - 0.34" (4.8mm - 8.6mm) | Red | 25 Pack | 1 lb. |
| CCC-SM-S25-PNK | 0.19" - 0.34" (4.8mm - 8.6mm) | Pink | 25 Pack | 1 lb. |
| CCC-SM-S25-ORG | 0.19" - 0.34" (4.8mm - 8.6mm) | Orange | 25 Pack | 1 lb. |
| CCC-SM-S25-GRN | 0.19" - 0.34" (4.8mm - 8.6mm) | Green | 25 Pack | 1 lb. |
| CCC-SM-S25-BLU | 0.19" - 0.34" (4.8mm - 8.6mm) | Blue | 25 Pack | 1 lb. |
| CCC-SM-S25-YLW | 0.19" - 0.34" (4.8mm - 8.6mm) | Yellow | 25 Pack | 1 lb. |
| CCC-MD-S25-BRN | 0.33" - 0.5" (8.3mm - 12.7mm) | Brown | 25 Pack | 1 lb. |
| CCC-MD-S25-WHT | 0.33" - 0.5" (8.3mm - 12.7mm) | White | 25 Pack | 1 lb. |
| CCC-MD-S25-VLT | 0.33" - 0.5" (8.3mm - 12.7mm) | Violet | 25 Pack | 1 lb. |
| CCC-MD-S25-SLT | 0.33" - 0.5" (8.3mm - 12.7mm) | Slate | 25 Pack | 1 lb. |
| CCC-MD-S25-RED | 0.33" - 0.5" (8.3mm - 12.7mm) | Red | 25 Pack | 1 lb. |
| CCC-MD-S25-PNK | 0.33" - 0.5" (8.3mm - 12.7mm) | Pink | 25 Pack | 1 lb. |
| CCC-MD-S25-ORG | 0.33" - 0.5" (8.3mm - 12.7mm) | Orange | 25 Pack | 1 lb. |
| CCC-MD-S25-GRN | 0.33" - 0.5" (8.3mm - 12.7mm) | Green | 25 Pack | 1 lb. |
| CCC-MD-S25-BLU | 0.33" - 0.5" (8.3mm - 12.7mm) | Blue | 25 Pack | 1 lb. |
| CCC-MD-S25-YLW | 0.33" - 0.5" (8.3mm - 12.7mm) | Yellow | 25 Pack | 1 lb. |
| CCC-LG-S25-BRN | 0.49" - 0.69" (12.4mm - 17.5mm) | Brown | 25 Pack | 1 lb. |
| CCC-LG-S25-WHT | 0.49" - 0.69" (12.4mm - 17.5mm) | White | 25 Pack | 1 lb. |
| CCC-LG-S25-VLT | 0.49" - 0.69" (12.4mm - 17.5mm) | Violet | 25 Pack | 1 lb. |
| CCC-LG-S25-SLT | 0.49" - 0.69" (12.4mm - 17.5mm) | Slate | 25 Pack | 1 lb. |
| CCC-LG-S25-RED | 0.49" - 0.69" (12.4mm - 17.5mm) | Red | 25 Pack | 1 lb. |
| CCC-LG-S25-PNK | 0.49" - 0.69" (12.4mm - 17.5mm) | Pink | 25 Pack | 1 lb. |
| CCC-LG-S25-ORG | 0.49" - 0.69" (12.4mm - 17.5mm) | Orange | 25 Pack | 1 lb. |
| CCC-LG-S25-GRN | 0.49" - 0.69" (12.4mm - 17.5mm) | Green | 25 Pack | 1 lb. |
| CCC-LG-S25-BLU | 0.49" - 0.69" (12.4mm - 17.5mm) | Blue | 25 Pack | 1 lb. |
| CCC-LG-S25-YLW | 0.49" - 0.69" (12.4mm - 17.5mm) | Yellow | 25 Pack | 1 lb. |

3M Temflex Electrical Tape

This economy electrical tape can be used for weatherproofing cable connections.

- Economy electrical tape
- 6 mil thickness
- UV-resistant
- Use when temperatures are above freezing
- BUCKETS: Add "-B" to end of part #

| Part # | Size | Qty. | Weight |
|--------|-----------------|------|--------|
| 3M165 | 3/4" x 60' roll | Each | 1 lb. |



Premium Electrical Tape

This premium electrical tape can be used for weatherproofing cable connections.

- Premium grade all-weather electrical tape
- UV-resistant
- Great tape at a great price
- BUCKETS: Add "-B" to end of part #

| Part # | Size | Qty. | Weight |
|-----------|-----------------|---------------|---------|
| 4243 | 3/4" x 60' roll | Each | 1 lb. |
| 4243-B | 3/4" x 60' roll | Bucket of 100 | 25 lbs. |
| 4444-88 | 2" x 20' roll | Each | 1 lb. |
| 4444-88-B | 2" x 20' roll | Bucket of 125 | 25 lbs. |



3M Super 33+ Electrical Tape

This premium electrical tape can be used for weatherproofing cable connections.

- Premium 7 mil thick tape
- UV-resistant
- All-weather tape, conformable at -18°C/0°F

| Part # | Size | Weight |
|--------|-----------------|--------|
| 3MS33 | 3/4" x 66' roll | 1 lb. |



3M Super 88 Electrical Tape

This premium electrical tape can be used for weatherproofing cable connections.

- 3M's finest
- Heavy-duty 8.5 mil tape
- All-weather tape, conformable at -18°C/0°F

| Part # | Size | Weight |
|---------|-------------------|--------|
| 3MS88-1 | 3/4" x 66' roll | 1 lb. |
| 3MS88-2 | 1-1/2" x 44' roll | 1 lb. |
| 3MS88-3 | 2" x 108' roll | 1 lb. |



3M Color Code Electrical Tape

This premium electrical tape can be used for color coding cable runs

- Premium grade all-weather electrical tape
- 7 mil thickness
- Available colors: red, brown, gray, white, orange, green, violet, and pink

| Part # | Qty. | Color | Size | Weight |
|-------------|------|--------|-----------------|--------|
| 3M35-Red | Each | Red | 3/4" x 66' roll | 1 lb. |
| 3M35-Yellow | Each | Yellow | 3/4" x 66' roll | 1 lb. |
| 3M35-Blue | Each | Blue | 3/4" x 66' roll | 1 lb. |
| 3M35-Brown | Each | Brown | 3/4" x 66' roll | 1 lb. |
| 3M35-Gray | Each | Gray | 3/4" x 66' roll | 1 lb. |
| 3M35-Pink | Each | Pink | 3/4" x 66' roll | 1 lb. |
| 3M35-White | Each | White | 3/4" x 66' roll | 1 lb. |
| 3M35-Violet | Each | Violet | 3/4" x 66' roll | 1 lb. |
| 3M35-Green | Each | Green | 3/4" x 66' roll | 1 lb. |
| 3M35-Orange | Each | Orange | 3/4" x 66' roll | 1 lb. |



3M 35 Rainbow Pack Electrical Tape

This premium electrical tape can be used for color coding cable runs

- Premium grade all-weather electrical tape
- 7 mil thickness
- Convenient ten-pack includes blue, brown, green, gray, orange, pink, red, violet, white, and yellow rolls

| Part # | Size | Weight |
|--------|----------------------|--------|
| 3M35-P | Ten 3/4" x 66' rolls | 2 lbs. |



3M 165 Color Code Electrical Tape

This economy electrical tape can be used for color coding cable runs

- UV-resistant
- 3M's economy tape; use when temperatures are above freezing
- 3/4" x 60' rolls
- Available colors: red, yellow, blue, brown, gray, white, orange, green, and violet
- BUCKETS: Add "-B" to end of part #



| Part # | Qty. | Color | Weight |
|-----------------|--------------------|--------|---------|
| 3M165-Blue-10 | 10 Pack | Blue | 23 lbs. |
| 3M165-Blue | Each | Blue | 1 lb. |
| 3M165-Blue-B | 100 Rolls (Bucket) | Blue | 23 lbs. |
| 3M165-Brown | Each | Brown | 1 lb. |
| 3M165-Brown-10 | 10 Pack | Brown | 23 lbs. |
| 3M165-Brown-B | 100 Rolls (Bucket) | Brown | 23 lbs. |
| 3M165-Gray | Each | Gray | 1 lb. |
| 3M165-Gray-10 | 10 Pack | Gray | 23 lbs. |
| 3M165-Gray-B | 100 Rolls (Bucket) | Gray | 23 lbs. |
| 3M165-Green | Each | Green | 1 lb. |
| 3M165-Green-10 | 10 Pack | Green | 23 lbs. |
| 3M165-Green-B | 100 Rolls (Bucket) | Green | 23 lbs. |
| 3M165-Orange | Each | Orange | 1 lb. |
| 3M165-Orange-10 | 10 Pack | Orange | 23 lbs. |
| 3M165-Orange-B | 100 Rolls (Bucket) | Orange | 23 lbs. |
| 3M165-Red | Each | Red | 1 lb. |
| 3M165-Red-10 | 10 Pack | Red | 23 lbs. |
| 3M165-Red-B | 100 Rolls (Bucket) | Red | 23 lbs. |
| 3M165-Violet | Each | Violet | 1 lb. |
| 3M165-Violet-10 | 10 Pack | Violet | 23 lbs. |
| 3M165-Violet-B | 100 Rolls (Bucket) | Violet | 23 lbs. |
| 3M165-White | Each | White | 1 lb. |
| 3M165-White-10 | 10 Pack | White | 23 lbs. |
| 3M165-White-B | 100 Rolls (Bucket) | White | 23 lbs. |
| 3M165-Yellow | Each | Yellow | 1 lb. |
| 3M165-Yellow-10 | 10 Pack | Yellow | 23 lbs. |
| 3M165-Yellow-B | 100 Rolls (Bucket) | Yellow | 23 lbs. |

Mastic Rolls

Mastic is used for weatherproofing cable connections.

- Easy to use 2-1/2" x 2' rolls
- Soft and tacky
- Superior weatherproofing characteristics
- UV-resistant



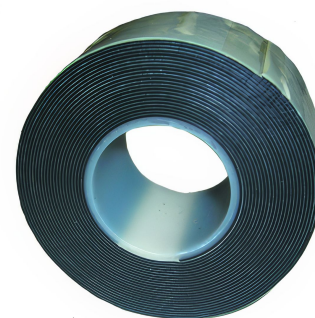
| Part # | Size | Weight |
|--------|------------------|--------|
| M5000 | 2-1/2" x 2' roll | 1 lb. |

Rapid-Wrap Tape

This premium weatherproofing tape is used in place of mastic for sealing cable connections.

- Self-amalgamating tape designed to provide long-term environmental seals for feeder, jumper, and antenna connections
- Provides water-tight seal and eliminates the need for traditional mastic and butyl
- 30 mil thickness
- Adheres to itself
- UV and weather resistant

| Part # | Size | Weight |
|---------|-------------------|--------|
| SAT1515 | 1-1/2" x 15' roll | 1 lb. |



Rapid-Wrap Silicone Tape

This premium weatherproofing tape is used in place of mastic for sealing cable connections.

- Self-bonding silicone tape designed to provide long-term environmental seals for feeder, jumper, and antenna connections
- Only sticks to itself, comes off perfectly clean
- No tacky/sticky surface when being applied
- Seals by compression
- Provides water-tight seal and eliminates the need for traditional mastic and butyl
- 30 mil thickness
- UV and weather resistant

| Part # | Size | Weight |
|--------|-------------------|--------|
| SIL15 | 1-1/2" x 15' roll | 1 lb. |



Rubber Splicing Tape

This premium weatherproofing tape is used in place of mastic for sealing cable connections.

- Self-fusing tape bonds quickly to itself to form a watertight seal
- Resists UV rays, acids, alkalis, and corrosion
- Requires protective outer wrap
- 30 mil thickness
- UL listed

| Part # | Size | Weight |
|--------------|-------------------|---------|
| RT15-22 | 1-1/2" x 22' roll | 1 lb. |
| RT15-22-CASE | Case (50 rolls) | 46 lbs. |



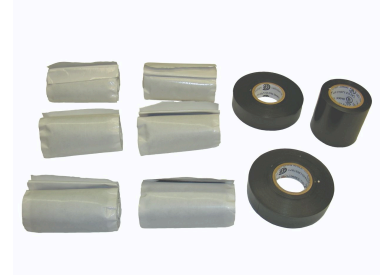
WEATHERPROOFING KITS

Premium All-Weather Weatherproofing Kit

Premium all-weather kit for all your weatherproofing needs.

- Premium all-weather weatherproofing kit
- Six rolls of mastic (2-1/2" x 2')
- Two rolls of all-weather electrical tape (3/4" x 66')
- One roll of 2" x 20' electrical tape
- Our best value

| Part # | Description | Weight |
|--------|---------------------------------|--------|
| WK6S | All-Weather Weatherproofing Kit | 2 lbs. |



Super All-Weather Weatherproofing Kit

Premium all-weather kit for all your weatherproofing needs.

- Premium all-weather weatherproofing kit
- Five rolls of mastic (2-1/2" x 2')
- Two rolls of all-weather electrical tape (3/4" x 66')
- One roll of 2" x 20' electrical tape

| Part # | Description | Weight |
|--------|---------------------------------|--------|
| WK3S | All-Weather Weatherproofing Kit | 2 lbs. |



Standard Weatherproofing Kit

This is a scaled-down version of our premium and super weatherproofing kits.

- Premium 3M quality weatherproofing kit
- Three rolls of mastic (2-1/2" x 2')
- One roll of 1-1/2" wide Super 88 electrical tape
- Unsurpassed quality at a super price!

| Part # | Description | Weight |
|--------|------------------------------|--------|
| WK1S | Standard Weatherproofing Kit | 1 lb. |



Mini Weatherproofing Kit

This is a scaled-down version of our premium and super weatherproofing kits.

- Premium quality weatherproofing kit
- One roll of mastic (2-1/2" x 2')
- One roll of 2" x 20' all-weather electrical tape

| Part # | Description | Weight |
|--------|--------------------------|--------|
| WK2M | Mini Weatherproofing Kit | 1 lb. |



3M Heat Shrink Tubing

Use for weatherproofing and electrical insulation over cable splices and terminations.

- 2:1 shrink ratio, sold in 4' lengths
- Use as a shrink-fit electrical insulation of cable splices and terminations

| Part # | Color | Tube Size | Wire/Lug size | Weight |
|----------|-------|-----------|-----------------|--------|
| SHT14 | Black | 1/4" x 4' | 12 AWG to 8 AWG | 1 lb. |
| SHT38 | Black | 3/8" x 4' | 8 AWG to 6 AWG | 1 lb. |
| SHT12 | Black | 1/2" x 4' | 6 AWG to 2 AWG | 1 lb. |
| SHT34 | Black | 3/4" x 4' | 12 AWG to 8 AWG | 1 lb. |
| SHT14-CL | Clear | 1/4" x 4' | 12 AWG to 8 AWG | 1 lb. |
| SHT38-CL | Clear | 3/8" x 4' | 8 AWG to 6 AWG | 1 lb. |
| SHT12-CL | Clear | 1/2" x 4' | 6 AWG to 2 AWG | 1 lb. |
| SHT34-CL | Clear | 3/4" x 4' | 12 AWG to 8 AWG | 1 lb. |



3M Cold Shrink Sealing Kits

Cold shrink kits are used to weatherproof connectors.

- Reliable seal against water
- Reduces installation time and also easily removed
- Broad application range
- Constant radial pressure helps keep connections together in wind and vibration
- For use with N or 7/16" DIN connectors

| Part # | Application | Weight |
|--------|---|--------|
| CXS-1 | 1/4" - 7/8" Cable to 1-4/ - 7/8" Cable | 1 lb. |
| CXS-2 | 1/4" - 1-5/8" Cable to 1-4/ - 1-5/8" Cable 1/4" - 1-5/8" Cable to Antenna or Surge Arrestor | 1 lb. |
| CXS-4 | 1/4" - 7/8" Cable to Antenna or Surge Arrestor | 1 lb. |



3M Heavy-Duty Heat Shrink Tubing

Use for weatherproofing and electrical insulation over cable splices and terminations.

- 3:1 shrink ratio
- Adhesive lined

| Part # | Color | Tube Size | Qty. | Weight |
|--------|-------|-------------|----------|--------|
| SHT115 | Black | 1-1/2" x 4' | 4' Stick | 1 lb. |

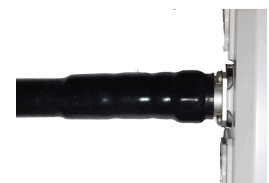


Gamma Cold Shrink Kits

Cold shrink kits are used to weatherproof connectors.

- Meets IP68 standards against water migration
- High shrink ration allows weatherproof seal of different types of connectors regardless of shape or size without the use of additional spacers

| Part # | Connector | Cable | Length | Weight |
|------------|---|--|--------|--------|
| SDL-DC-152 | Up to 32mm/1.26" OD (10-4.3 or similar) | As small as 10mm/0.394" OD (Superflex) | 6" | 1 lb. |
| SDL-1A-125 | Up to 36mm/1.44" OD (7/16" DIN) | As small as 12mm/0.5" OD (1/2" LCF) | 5" | 1 lb. |



9-Ply Lacing Cord

Lacing cord is used to bundle cables to keep them neat and organized.

- 100% polyester cable lacing twine
- 525' spool

| Part # | Description | Weight |
|-----------|-------------------------------|--------|
| TWINE9-ST | 9-Ply Lacing Cord, 525' Spool | 1 lb. |



"D" Tags

Use "D" tags to mark cable lines.

- For marking coax, fiber, and electrical lines
- Tags measure 1" x 1-3/4"
- Pack of 100 tags

| Part # | Description | Weight |
|-----------|--------------------------------|--------|
| FIBERTAGD | Gray Fiber "D" Tags, 100/pack | 1 lb. |
| NYLONTAGD | White Nylon "D" Tags, 100/pack | 1 lb. |



"Do Not Disconnect" Tags

Use to identify critical cable runs.

- Brass
- 10 pack

| Part # | Description | Weight |
|---------|-----------------------------------|--------|
| DND-TAG | "Do Not Disconnect" Tags, 10/pack | 1 lb. |



Fish Paper

Use to insulate wires and cables.

- Fibroid fish paper electrical insulation
- Vulcanized cellulose fiber, 0.10 mil

| Part # | Description | Weight |
|--------------|---|--------|
| FP3-20 | Fish Paper, No Adhesive, 3" x 20' Roll | 1 lb. |
| FP5X50 | Fish Paper, No Adhesive, 5" x 50' Roll | 2 lbs. |
| FP4.5X50-ADH | 3M Fish Paper, w/ Adhesive, 4-1/2" x 50' Roll | 2 lbs. |
| FP10-24 | Fish Paper, No Adhesive, 10" x 24' Roll | 1 lb. |
| FP25-10-ADH | Fish Paper, w/ Adhesive, 2-1/2" x 10' Roll | 1 lb. |



Kopr-Shield

Prevents oxidation and corrosion on important electrical connections.

- Prevents oxidation and corrosion on bus bars and wire
- Reduces resistance
- Made from colloidal copper and inhibitors
- Not available for air or ocean shipment

| Part # | Size | Weight |
|--------|------|--------|
| CP8-TB | 8 oz | 1 lb. |



Noalox

Prevents oxidation and corrosion on important electrical connections.

- Available in our PIM Shield® Product Guide
- Seals out air and moisture to prevent corrosion and formation of oxide film on connections
- Not available for air or ocean shipment

| Part # | Size | Weight |
|--------|------|--------|
| DOX4 | 4 oz | 1 lb. |
| DOX8 | 8 oz | 1 lb. |



NO-OX Heavy-Duty Rust Preventative and Lubricant

Provides lubrication and prevents corrosion.

- Available in our PIM Shield® Product Guide
- Long-term solution for lubrication and corrosion control
- Requires minimal surface preparation
- Contains metal wetting agents and rust inhibitors in a petroleum wax base
- Semi-transparent non-drying film retains its properties indefinitely
- 8 oz can with application brush

| Part # | Description | Weight |
|--------------|----------------|--------|
| NO-OX-ID-8OZ | NO-OX 8 oz can | 1 lb. |



GE Silicone Sealant

Silicone sealant has a variety of waterproofing uses.

- Clear silicone construction sealant
- Ideal for waterproofing and sealing
- Extra-long nozzle

| Part # | Size | Weight |
|---------|---------|--------|
| SCS1000 | 10.1 oz | 1 lb. |



Duct Seal

Use for sealing entry panels.

- Used for sealing entry panels
- Excellent adhesion
- Can be painted
- Unlimited shelf life

| Part # | Size | Weight |
|--------|------|--------|
| EPD1 | 1.1 | 1 lb. |



Rubber Sealer

Black silicone rubber sealant is used to seal cable boots.

- Black silicone rubber construction sealant
- Ideal for waterproofing and sealing boots
- 3 oz tube with nozzle

| Part # | Size | Weight |
|--------|------|--------|
| SCS30 | 3 oz | 1 lb. |



Torque Seal

Anti-sabotage inspector's lacquer provides visual indication of tampering.

- Anti-sabotage inspector's lacquer
- Brittle-drying seal will crack if tampered with
- Fluorescent orange

| Part # | Size | Weight |
|--------|------|--------|
| TQS-0 | 1 oz | 1 lb. |



ZRC Cold Galvanizing Spray (95% Zinc)

Use to field-repair damage to galvanized surfaces.

- Available in our PIM Shield® Product Guide
- 12 oz aerosol can; 95% zinc metal in battleship gray flat finish
- Equivalent to hot-dip galvanizing
- Meets federal specifications DOD-P21035A and MIL-P26915A
- Meets VOC standards in all 50 states
- Not available for air or ocean shipment

| Part # | Size | Weight |
|-----------|-----------|--------|
| ZRC-10000 | 12 oz can | 1 lb. |



ZRC Galvilité Galvanizing Repair Spray (95% Zinc)

Use to field-repair damage to galvanized surfaces.

- Available in our PIM Shield® Product Guide
- 12 oz aerosol can; 95% zinc metal in bright silver finish that blends with new hot-dip galvanizing
- Meets galvanizing repair specifications ASTM-A780, SSPC-Paint 20, and DOD-P21035A
- Meets VOC standards in all 50 states
- Not available for air or ocean shipment

| Part # | Size | Weight |
|-----------|-----------|--------|
| ZRC-20010 | 12 oz can | 1 lb. |



ZRC Cold Galvanizing Compound (95% Zinc)

Use to field-repair damage to galvanized surfaces.

- Available in 1 quart and 1 gallon cans; 95% zinc metal in battleship gray flat finish
- Equivalent to hot-dip galvanizing
- Meets federal specifications DOD-P21035A and MIL-P26915A
- Meets VOC standards in all 50 states
- Not available for air or ocean shipment

| Part # | Size | Weight |
|-----------|--------------|---------|
| ZRC-10002 | 1 quart can | 7 lbs. |
| ZRC-10003 | 1 gallon can | 26 lbs. |



ZRC Galvilité Galvanizing Repair Compound (95% Zinc)

Use to field-repair damage to galvanized surfaces.

- Available in 1 quart and 1 gallon cans; 95% zinc metal in bright silver finish that blends with new hot-dip galvanizing
- Meets galvanizing repair specifications ASTM-A780, SSPC-Paint 20, and DOD-P21035A
- Meets VOC standards in all 50 states
- Not available for air or ocean shipment

| Part # | Size | Weight |
|-----------|--------------|---------|
| ZRC-20012 | 1 quart can | 7 lbs. |
| ZRC-20013 | 1 gallon can | 40 lbs. |



Brite Zinc Spray (69% Zinc)

Use to field-repair damage to galvanized surfaces.

- Available in our PIM Shield® Product Guide
- Brite Zinc Aerosol can
- 12.5 oz can covers up to 40 square feet
- One-step color matches the shiny look of hot-dip galvanizing
- Special no-clog nozzle
- Meets ASTM-A780 for corrosion protection
- Not available for air or ocean shipment

| Part # | Size | Weight |
|--------|-------------|--------|
| BZ12 | 12.5 oz can | 1 lb. |



First Zinc Aerosol Spray Can (95% Zinc)

Use to field-repair damage to galvanized surfaces.

- Available in our PIM Shield® Product Guide
- 12.5 oz aerosol can
- Traditional flat gray color
- Meets or exceeds requirements of ASTM-A780, DOD-P21035B, MIL-P46105, MIL-P26915B, and SSPC PS-12, PS-20, PS-22, PS-29, and PS30
- Not available for air or ocean shipment

| Part # | Size | Weight |
|--------|-------------|--------|
| FZ13 | 12.5 oz can | 1 lb. |



Brite Zinc Gallon Can (69% Zinc)

Use to field-repair damage to galvanized surfaces.

- One gallon can covers 570 square feet
- One-step color matches the shiny look of hot-dip galvanizing
- Meets ASTM-A780 for corrosion protection
- Not available for air or ocean shipment

| Part # | Size | Weight |
|----------|--------------|---------|
| BZGALLON | 1 gallon can | 14 lbs. |



First Zinc Gallon Can (95% Zinc)

Use to field-repair damage to galvanized surfaces.

- One gallon can covers 570 square feet
- Traditional flat gray color
- Meets or exceeds requirements of ASTM-A780, DOD-P21035B, MIL-P46105, MIL-P26915B, and SSPC PS-12, PS-20, PS-22, PS-29, and PS30
- Not available for air or ocean shipment

| Part # | Size | Weight |
|--------|--------------|---------|
| FZCAN | 1 gallon can | 22 lbs. |



Self-Grip Strapping

This reusable self-gripping strap bundles wires and cables, keeping your site neat and organized.

- Available in our PIM Shield® Product Guide
- Wraps around anything and sticks to itself for fast and easy bundling
- Hook on one side, loop on the other

| Part # | Size | Weight |
|----------|-----------------|--------|
| SGS12X75 | 1/2" x 75' Roll | 1 lb. |
| SGS34x15 | 3/4" x 15' Roll | 1 lb. |
| SGS34x75 | 3/4" x 75' Roll | 1 lb. |
| SGS01x15 | 1" x 15' Roll | 1 lb. |
| SGS01x75 | 1" x 75' Roll | 1 lb. |



Hook & Loop Cable Ties

Use this reusable self-gripping strap to bundle wires and cables, keeping your site neat and organized.

- Available in our PIM Shield® Product Guide
- Industrial grade pre-cut straps
- Hook on one side, loop on the other
- Attaches to itself for fast and easy bundling

| Part # | Size | Package Qty. | Weight |
|----------|-----------|--------------|--------|
| HLCT12X8 | 1/2" x 8' | 100 | 1 lb. |



Nylon Cable Ties

Use to bundle wires and cables to keep your site neat and organized.

- Available in our PIM Shield® Product Guide
- UV-resistant black 6.6 nylon cable ties
- Available in standard and heavy-duty versions

| Part # | Length | Width | Tensile Strength | Max Bundle Diameter | Package Qty. | Weight |
|--------|--------|-------|------------------|---------------------|--------------|--------|
| CT8 | 7.5" | 0.18" | 50 lb | 1-3/4" | 100 | 1 lb. |
| CT11 | 11" | 0.18" | 50 lb | 3" | 100 | 1 lb. |
| CT15 | 14.5" | 0.18" | 50 lb | 4" | 100 | 1 lb. |
| CT15HD | 15.2" | 0.3" | 120 lb | 4-1/4" | 100 | 1 lb. |
| CT18HD | 18.25" | 0.3" | 120 lb | 5" | 50 | 2 lbs. |
| CT24HD | 24" | 0.34" | 175 lb | 6-1/2" | 50 | 1 lb. |



Cable Tie Wall Mount Bracket

Use to bundle wires and cables to keep your site neat and organized.

- Available in our PIM Shield® Product Guide
- Mount with #12 screws (not included)
- Made from natural-colored nylon

| Part # | Description | Dimensions | Weight |
|------------|--------------------------|-----------------|--------|
| PP2S-S12-C | Nylon Wall Mount Bracket | 3/4" W 4-1/2" L | 1 lb. |



Plastic Round Member Adapters

Use to bundle wires and cables to keep your site neat and organized.

- Available in our PIM Shield® Product Guide
- Non-conductive and non-corrosive
- 1/2" (13mm) band
- Nylon 66 screw

| Part # | Size Range | Qty. | Weight |
|---------|------------|---------|--------|
| PHC2-10 | 2" - 3" | 10 pack | 1 lb. |
| PHC3-10 | 3" - 4" | 10 pack | 1 lb. |
| PHC4-10 | 4" - 5" | 10 pack | 1 lb. |



Acetal Cable Tie

PIM-friendly strapping for communication cables.

- Available in our PIM Shield® Product Guide
- Perfect for coaxial, fiber optic, and other communication and electrical cables
- 1/2" wide weather-resistant acetal banding
- 250 lb tensile strength

| Part # | Description | Weight |
|--------|-------------------------------|--------|
| TWR50 | Acetal Cable Tie, 50' Reel | 1 lb. |
| TWLH25 | Acetal Cable Buckles, 25 pack | 1 lb. |



Tie Wraps

PIM-friendly strapping for communication cables.

- Available in our PIM Shield® Product Guide
- Acetal heavy-duty cable ties
- 1/2" width
- UV-resistant
- 400 lb loop tensile strength
- Use with acetal installation tool

| Part # | Description | Qty. | Weight |
|--------------|---------------------|---------|--------|
| 900443-16-50 | 16" Acetal Tie Wrap | 50 pack | 1 lb. |
| 900443-27-25 | 27" Acetal Tie Wrap | 25 pack | 1 lb. |



PIM Shield® Button

These buttons are a low-PIM method to secure RF, fiber, power and RET cables in high risk PIM zones.

- Available in our PIM Shield® Product Guide
- Inserts into support bars that are 0.118-inch to 0.169-inch thick with 0.71-inch to 0.76-inch diameter holes (sold separately)
- IM3 <-100 dBm when tested in accordance with IEC 62037-8, near field test, 2x 20W test tones, while subjected to dynamic stimulus
- UV stable, glass filled Nylon
- 40 °C to +70 °C operating temperature

| Part # | Description | Color | Qty | Weight |
|-------------|--|-------|---------|--------|
| 901738-S-50 | Bundle of PIM Shield® Buttons & 16" Acetal Tie Wraps | Black | 50 pack | 5 lbs. |



Banding Installation Tool

Use to provide proper tension for acetal banding connections.

- Available in our PIM Shield® Product Guide
- Tensioning/cutting tool for acetal cable ties
- Works with ties up to 1/2" wide

| Part # | Description | Weight |
|--------|----------------------------------|--------|
| 900442 | Acetal Banding Installation Tool | 1 lb. |



Stainless Steel Banding

Stainless banding has a myriad of uses for making attachments to large-diameter poles or tower members.

- Stainless steel banding with fully-rounded smooth edges for safety and ease of installation
- Stamped foot markers
- 100' rolls in dispenser totes or cartons
- 0.03" thick

| Part # | Size | Dispenser | Weight |
|------------|-------------|-----------|--------|
| BA204 | 1/2" x 100' | Carton | 5 lbs. |
| BA206 | 3/4" x 100' | Carton | 8 lbs. |
| TOTE-BA204 | 1/2" x 100' | Tote | 6 lbs. |
| TOTE-BA206 | 3/4" x 100' | Tote | 8 lbs. |



Carton & Tote Versions Shown

Stainless Banding Buckles

Stainless banding has a myriad of uses for making attachments to large-diameter poles or tower members.

- The unique teeth and ears provide maximum clamping force
- Sold in convenient 25 packs
- Stainless steel construction

| Part # | Size | Qty. | Weight |
|----------|------|---------|--------|
| BU254-25 | 1/2" | 25 pack | 1 lb. |
| BU256-25 | 3/4" | 25 pack | 1 lb. |



Heavy-Duty Banding Tool

Use to provide proper tension for stainless steel banding connections.

- Able to tighten banding up to 2,400 lb
- Built-in cutter
- Spring-loaded gripper lever
- Blue epoxy finish

| Part # | Description | Weight |
|--------|-------------------------|--------|
| T001 | Heavy-Duty Banding Tool | 4 lbs. |



Concealment



Antenna Socks

These products conceal antennas on mono-pine, mono-palm, mono-elm, and mono-eucalyptus towers.

- Available in various lengths and widths (covers antenna plus depth, times two).
- Includes attachment ties; palm "shadow" socks made of UV-resistant mesh.
- UV-resistant and built for prolonged outdoor exposure.

| Part # | Type | Density | Length | Width | Weight |
|------------|------------|----------|--------|-------|---------|
| 72ELM-SWSF | Elm | Standard | 6' | 3' | 5 lbs. |
| 72ELM-SWHF | Elm | Heavy | 6' | 3' | 5 lbs. |
| 72ELM-XWSF | Elm | Standard | 6' | 4' | 6 lbs. |
| 72ELM-XWHF | Elm | Heavy | 6' | 4' | 6 lbs. |
| 96ELM-SWSF | Elm | Standard | 8' | 3' | 6 lbs. |
| 96ELM-SWHF | Elm | Heavy | 8' | 3' | 8 lbs. |
| 96ELM-XWSF | Elm | Standard | 8' | 4' | 7 lbs. |
| 96ELM-XWHF | Elm | Heavy | 8' | 4' | 10 lbs. |
| 72EUC-SWSF | Eucalyptus | Standard | 6' | 3' | 5 lbs. |
| 72EUC-SWHF | Eucalyptus | Heavy | 6' | 3' | 7 lbs. |
| 72EUC-XWSF | Eucalyptus | Standard | 6' | 4' | 6 lbs. |
| 72EUC-XWHF | Eucalyptus | Heavy | 6' | 4' | 8 lbs. |
| 96EUC-SWSF | Eucalyptus | Standard | 8' | 3' | 6 lbs. |
| 96EUC-SWHF | Eucalyptus | Heavy | 8' | 3' | 6 lbs. |
| 96EUC-XWSF | Eucalyptus | Standard | 8' | 4' | 8 lbs. |
| 96EUC-XWHF | Eucalyptus | Heavy | 8' | 4' | 8 lbs. |
| 72PIN-SWSF | Pine | Standard | 6' | 3' | 7 lbs. |
| 72PIN-SWHF | Pine | Heavy | 6' | 3' | 8 lbs. |
| 72PIN-XWSF | Pine | Standard | 6' | 4' | 7 lbs. |
| 72PIN-XWHF | Pine | Heavy | 6' | 4' | 9 lbs. |
| 96PIN-SWSF | Pine | Standard | 8' | 3' | 7 lbs. |
| 96PIN-SWHF | Pine | Heavy | 8' | 3' | 9 lbs. |
| 96PIN-XWSF | Pine | Standard | 8' | 4' | 8 lbs. |
| 96PIN-XWHF | Pine | Heavy | 8' | 4' | 10 lbs. |
| 72DP-SW | Palm | Shadow | 6' | 3' | 3 lbs. |
| 96DP-SW | Palm | Shadow | 8' | 3' | 3 lbs. |



Heavy Density Eucalyptus, Pine, Elm, & Shadow Socks Shown



Standard Density Eucalyptus, Pine, & Elm Shown

RRU Socks

These products conceal radios while allowing airflow to prevent overheating.

- Includes mounting frame, attachment ties, and antenna pipe clamps.
- UV-resistant for extended outdoor durability.
- AIR version available on web.

| Part # | Type | Density | Length | Weight |
|----------|------------|----------|--------|---------|
| 72PIN-SF | Pine | Standard | 6' | 19 lbs. |
| 72PIN-XF | Pine | Heavy | 6' | 21 lbs. |
| 72EUC-SF | Eucalyptus | Standard | 6' | 18 lbs. |
| 72EUC-XF | Eucalyptus | Heavy | 6' | 20 lbs. |
| 72ELM-SF | Elm | Standard | 6' | 18 lbs. |
| 72ELM-XF | Elm | Heavy | 6' | 20 lbs. |



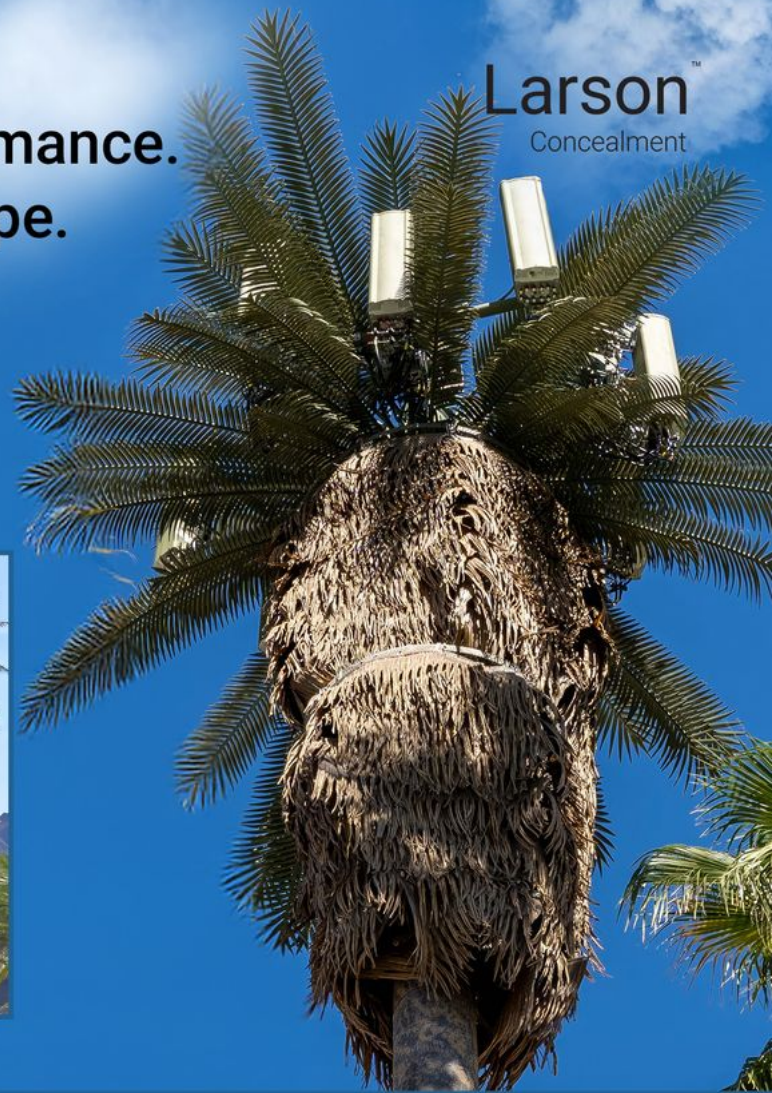
Heavy Density Eucalyptus, Pine, & Elm Socks Shown



Standard Density Eucalyptus, Pine, & Elm Shown

Reduces PIM. Boosts Performance. Disappears Into the Landscape.

Introducing the Larson PIM Tree™—the world’s first PIM-friendly concealment tree solution. Engineered for seamless integration and superior RF performance, its simple, reliable monopole design can easily help meet jurisdictional requirements.



PIM Pine™

PIM Euc™

PIM Elm™

PIM Palm™

PIM Shield® Technology: Game-Changing Performance

Traditional concealment materials can introduce unwanted passive intermodulation (PIM), degrading network performance. Larson PIM Trees™ utilize RF-transparent materials with PIM Shield® technology to significantly reduce interference, ensuring superior performance.



Unshielded Testing

Frequency Tested: 1900 MHz LSB
Peak PIM: -76.5 dBm
Result: High level of interference.



With PIM Shield® Technology

Frequency Tested: 1900 MHz LSB
Peak PIM: -107.0 dBm
Result: Dramatically reduced interference.



PIM-Friendly Technology

Built with RF-transparent materials, our trees minimize interference and ensure clear, reliable communication through IEC 62037-8 Radiated PIM testing.



Superior Performance

Eliminating metal-on-metal contact, Larson PIM Trees™ reduce PIM, ensuring stronger signals and minimal loss in both lab and field-tested conditions.

Learn more at ValmontTelecom.com

Elm/Broadleaf Antenna Concealment Branch

These broadleaf-style branches provide natural antenna concealment and attach securely to standard pipes with included mounting hardware.

- Broadleaf-style Elm foliage for natural concealment
- Includes (2) band clamps and (2) self-tapping screws
- Compatible with 2" antenna pipe (pipe not included)
- Secure mounting with easy installation



| Part # | Foliage Type | Branch Style | Weight |
|-------------|--------------|--------------|---------|
| LCAB-FANELM | Elm | Fan | 7 lbs. |
| LCAB-MEDEL | Elm | Medium | 9 lbs. |
| LCAB-LNGELM | Elm | Long | 12 lbs. |
| LCAB-TIPELM | Elm | Tip | 5 lbs. |

Elm Concealment Branch

These concealment branches with Elm foliage provide natural-looking antenna concealment. Available in standard, top, and crossarm styles, they fit over compatible pipes or stubs and include installation hardware.

- Elm foliage for realistic concealment
- Available in standard, top, and crossarm designs
- Fits over 1-1/4" OD pipe/stub (not included)
- Includes (2) 1/4" x 3-1/2" bolts, nylock nuts, and washer sets

| Part # | Foliage Type | Length | Type | Weight |
|---------------|--------------|--------|----------|---------|
| LCAB-XRM24ELM | Elm | 2' | Crossarm | 4 lbs. |
| LCSB-G348ELM | Elm | 4' | Standard | 13 lbs. |
| LCSB-G372ELM | Elm | 6' | Standard | 21 lbs. |
| LCSB-G372ELM | Elm | 8' | Standard | 27 lbs. |
| LCSB-G3120ELM | Elm | 10' | Standard | 35 lbs. |
| LCTB-G360ELM | Elm | 5' | Top | 13 lbs. |



Elm Tethered Concealment Branch

These concealment branches with Elm foliage provide natural-looking antenna concealment, offering flexibility with a secure, natural appearance.

- Elm foliage for realistic concealment
- Tethered design for enhanced flexibility
- Available in standard and top configurations
- Fits over 1-1/4" OD pipe/stub (not included)
- Includes (2) 1/4" x 3-1/2" bolts, nylock nuts, and washer sets

| Part # | Foliage Type | Length | Type | Weight |
|----------------|--------------|--------|----------|---------|
| LCSB-TG348ELM | Elm | 4' | Standard | 10 lbs. |
| LCSB-TG372ELM | Elm | 6' | Standard | 21 lbs. |
| LCSB-TG396ELM | Elm | 8' | Standard | 27 lbs. |
| LCSB-TG3120ELM | Elm | 10' | Standard | 35 lbs. |
| LCTB-TG360ELM | Elm | 5' | Top | 13 lbs. |



Eucalyptus Concealment Branch

These concealment branches mimic Eucalyptus foliage for natural-looking antenna concealment. Available in standard, top, and crossarm styles, they mount securely on compatible pipes or stubs with included hardware.

- Eucalyptus foliage for natural concealment
- Available in standard, top, and crossarm configurations
- Fits over 1-1/4" OD pipe/stub (not included)
- Includes (2) 1/4" x 3-1/2" bolts, nylock nuts, and washer sets

| Part # | Foliage Type | Length | Type | Weight |
|---------------|--------------|--------|----------|---------|
| LCAB-XRM24EUC | Eucalyptus | 2' | Crossarm | 4 lbs. |
| LCSB-G348EUC | Eucalyptus | 4' | Standard | 10 lbs. |
| LCSB-G372EUC | Eucalyptus | 6' | Standard | 21 lbs. |
| LCSB-G396EUC | Eucalyptus | 8' | Standard | 27 lbs. |
| LCSB-G3120EUC | Eucalyptus | 10' | Standard | 35 lbs. |
| LCTB-G360EUC | Eucalyptus | 5' | Top | 13 lbs. |



Eucalyptus Antenna Concealment Branch

These concealment branches mimic Eucalyptus foliage for natural-looking antenna concealment. Available in fan, medium, long, tip, and crossarm styles, they attach easily and securely to compatible pipes or stubs with included hardware.

- Eucalyptus foliage for realistic concealment
- Mounts to 2" antenna pipe (not included) for fan, medium, long, and tip styles
- Crossarm style fits over 1-1/4" OD pipe/stub (not included)
- Includes mounting hardware for secure installation

| Part # | Foliage Type | Length | Type | Weight |
|-------------|--------------|--------|--------|---------|
| LCAB-FANEUC | Eucalyptus | N/A | Fan | 7 lbs. |
| LCAB-MEDEUC | Eucalyptus | N/A | Medium | 9 lbs. |
| LCAB-LNGEUC | Eucalyptus | N/A | Long | 12 lbs. |
| LCAB-TIPEUC | Eucalyptus | N/A | Tip | 5 lbs. |



Eucalyptus Tethered Concealment Branch

These concealment branches mimic Eucalyptus foliage for effective antenna concealment. The tethered design temporarily restrains the branch if damaged. Available in standard and top styles, they mount over a compatible pipe or stub with included hardware.

- Eucalyptus foliage for realistic concealment
- Tethered design for added safety
- Fits over 1-1/4" OD pipe/stub (not included)
- Includes (2) 1/4" x 3-1/2" bolts, nylock nuts, and washer sets

| Part # | Foliage Type | Length | Type | Weight |
|----------------|--------------|--------|----------|---------|
| LCSB-TG348EUC | Eucalyptus | 4' | Standard | 10 lbs. |
| LCSB-TG372EUC | Eucalyptus | 6' | Standard | 21 lbs. |
| LCSB-TG396EUC | Eucalyptus | 8' | Standard | 27 lbs. |
| LCSB-TG3120EUC | Eucalyptus | 10' | Standard | 35 lbs. |
| LCTB-TG360EUC | Eucalyptus | 5' | Top | 13 lbs. |



Pine Antenna Concealment Branch

These concealment branches mimic Pine foliage for effective antenna concealment. Available in fan, medium, long, and tip styles, they attach securely to compatible antenna pipes with included hardware.

- Pine foliage for realistic concealment
- Mounts securely to 2" antenna pipe (not included)
- Includes (2) band clamps and (2) self-tapping screws

| Part # | Foliage Type | Type | Weight |
|-------------|--------------|--------|---------|
| LCAB-FANPIN | Pine | Fan | 7 lbs. |
| LCAB-MEDPIN | Pine | Medium | 9 lbs. |
| LCAB-LNGPIN | Pine | Long | 12 lbs. |
| LCAB-TIPPIN | Pine | Tip | 5 lbs. |



Mono-Pine Concealment Branch

These concealment branches mimic Pine foliage for effective antenna concealment. Available in standard, top, and crossarm styles, they mount securely on compatible pipes or stubs with included hardware.

- Pine foliage for realistic concealment
- Fits over 1-1/4" OD pipe/stub (not included)
- Includes (2) 1/4" x 3-1/2" bolts, nylock nuts, and washer sets

| Part # | Foliage Type | Length | Type | Weight |
|---------------|--------------|--------|----------|---------|
| LCAB-XRM24PIN | Pine | 2' | Crossarm | 4 lbs. |
| LCSB-G348PIN | Pine | 4' | Standard | 10 lbs. |
| LCSB-G372PIN | Pine | 6' | Standard | 21 lbs. |
| LCSB-G396PIN | Pine | 8' | Standard | 27 lbs. |
| LCSB-G3120PIN | Pine | 10' | Standard | 35 lbs. |
| LCTB-G360PIN | Pine | 5' | Top | 13 lbs. |



Mono-Pine Tethered Concealment Branch

These concealment branches mimic Pine foliage for effective antenna concealment. The tethered design temporarily restrains the branch if damaged. Available in standard and top styles, they mount over a compatible pipe or stub with included hardware.

- Pine foliage for realistic concealment
- Tethered design for added safety
- Fits over 1-1/4" OD pipe/stub (not included)
- Includes (2) 1/4" x 3-1/2" bolts, nylock nuts, and washer sets

| Part # | Foliage Type | Length | Type | Weight |
|----------------|--------------|--------|----------|---------|
| LCSB-TG348PIN | Pine | 4' | Standard | 10 lbs. |
| LCSB-TG372PIN | Pine | 6' | Standard | 21 lbs. |
| LCSB-TG396PIN | Pine | 8' | Standard | 27 lbs. |
| LCSB-TG3120PIN | Pine | 10' | Standard | 35 lbs. |
| LCTB-TG360PIN | Pine | 5' | Top | 13 lbs. |



Palm Concealment Date Frond

These concealment fronds mimic Date Palm foliage for effective antenna concealment. Designed for secure mounting, they fit into a compatible HSS square receiver and include all necessary hardware

- Date Palm foliage for realistic concealment
- Fits into 1-1/4" OD HSS square receiver (not included)
- Includes 5/16" x 2-1/2" zinc-plated attachment bolt, washer, and nylock nut

| Part # | Foliage Type | Length | Weight |
|------------|--------------|--------|---------|
| LCDF-REG07 | Palm | 7' | 9 lbs. |
| LCDF-REG09 | Palm | 9' | 11 lbs. |
| LCDF-REG10 | Palm | 10' | 14 lbs. |



Palm Concealment Tethered Date Frond

These concealment fronds mimic Date Palm foliage for effective antenna concealment. The tethered design enhances durability and stability while allowing natural movement. Available in single and double tethered configurations, they fit into a compatible HSS square receiver with included hardware.

- Date Palm foliage for realistic concealment
- Tethered design for enhanced durability and stability
- Fits into 1-1/4" OD HSS square receiver (not included)
- Includes 5/16" x 2-1/2" hitch pin with wire clip

| Part # | Foliage Type | Length | Type | Weight |
|-----------|--------------|--------|-----------------|---------|
| LCDF-ST07 | Palm | 7' | Single Tethered | 7 lbs. |
| LCDF-ST09 | Palm | 9' | Single Tethered | 12 lbs. |
| LCDF-ST10 | Palm | 10' | Single Tethered | 14 lbs. |
| LCDF-DT07 | Palm | 7' | Double Tethered | 7 lbs. |
| LCDF-DT09 | Palm | 9' | Double Tethered | 12 lbs. |
| LCDF-DT10 | Palm | 10' | Double Tethered | 14 lbs. |



Porcu-Palm Mount

These Porcu-Palm Mounts securely hold date palm fronds for effective antenna concealment. Made from galvanized steel for durability, each mount includes multiple 1-1/4" OD HSS square receivers for frond attachment.

- Galvanized steel construction for durability
- Accommodates up to 66, 81, or 99 date palm fronds (not included)
- Integrated 1-1/4" OD HSS square receivers for secure frond attachment
- Compatible with MMxx, SV197-xx, and DSMx standoffs/support arms (not included)

| Part # | Mount Height | Frond Capacity | Weight |
|---------------|--------------|----------------|----------|
| LCPM-PPM30-66 | 30" | 66 | 603 lbs. |
| LCPM-PPM36-81 | 36" | 81 | 728 lbs. |
| LCPM-PPM60-99 | 60" | 99 | 808 lbs. |

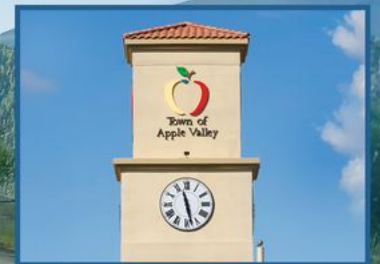
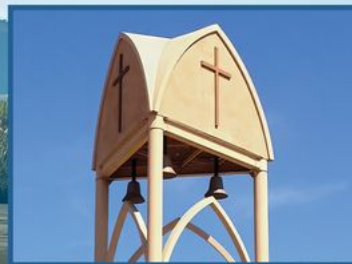
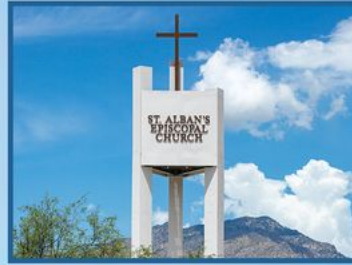




Natural Concealment Solutions

Valmont® Telecom offers a complete line of creative concealment solutions to help your communication structures blend in with the surrounding natural environment. Our Larson™ solutions are custom-engineered to meet your technical requirements on the inside, while on the outside, they can appear to be a tree, cactus, or anything else you can imagine.

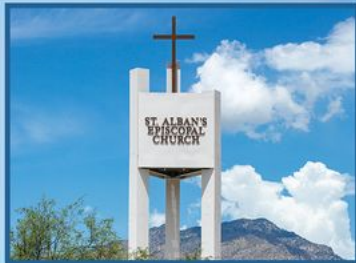
Learn more at ValmontTelecom.com



Architectural Concealment Solutions

Valmont® Telecom offers a complete line of creative concealment solutions to help your communication structures blend in with the surrounding architectural environment. Our Larson™ solutions are custom-engineered to meet your technical requirements on the inside, while on the outside, they can appear to be anything else you can imagine.

Learn more at ValmontTelecom.com



Architectural Concealment Solutions

Valmont® Telecom offers a complete line of creative concealment solutions to help your communication structures blend in with the surrounding architectural environment. Our Larson™ solutions are custom-engineered to meet your technical requirements on the inside, while on the outside, they can appear to be anything else you can imagine.

Learn more at ValmontTelecom.com

Date Palm Band Clamp Kits

These Date Palm Band Clamp Kits provide a complete solution for concealment of antennas, including both the band clamp and 10' double-tether date palm fronds. Designed for secure pole attachment, each kit features multiple 1-1/4" OD HSS square receivers to hold fronds at a 34" or 49" clearance from the pole. The included fronds and mounting hardware ensure quick and efficient installation.

- Complete kit includes band clamp and 10' double-tether date palm fronds
- Designed for concealment of antennas on various pole sizes
- Available with 34" or 49" clearance from pole to frond receivers
- 1-1/4" OD HSS square receivers securely hold date palm fronds
- Accommodates pole diameters from 14" to 28"
- Includes 3/4" all-thread, nuts, washers, and frond attachment hardware



| Part # | Pole Clearance | Frond Capacity | Pole Diameter Range | Weight |
|----------------|----------------|----------------|---------------------|----------|
| 0634DP-1417-18 | 34" | 18 | 14" - 17" | 237 lbs. |
| 0634DP-1721-18 | 34" | 18 | 17" - 21" | 246 lbs. |
| 0634DP-2124-18 | 34" | 18 | 21" - 24" | 255 lbs. |
| 0634DP-2428-18 | 34" | 18 | 24" - 28" | 264 lbs. |
| 0649DP-1417-27 | 49" | 27 | 14" - 17" | 267 lbs. |
| 0649DP-1721-27 | 49" | 27 | 17" - 21" | 279 lbs. |
| 0649DP-2124-27 | 49" | 27 | 21" - 24" | 285 lbs. |
| 0649DP-2428-27 | 49" | 27 | 24" - 28" | 294 lbs. |

PIM Mitigation



PIM Shield® Gen 2 Snap-Ins

Our Gen 2 PIM Shield® snap-ins deliver a generational leap in both PIM mitigation and installation ease. Constructed from UV-stable, glass-filled polymer, they withstand harsh environments while remaining inherently PIM-free. One-handed, tool-free operation with an expanded insertion zone makes securing cables effortless. This next-generation design offers a more versatile solution by combining two Gen 1 sizes into a single product.

- Available in our PIM Shield® Product Guide
- Designed to insert into support bars or accessories (sold separately) 0.118"–0.160" thick with 0.71"–0.76" diameter holes
- IM3 < –100 dBm (–143 dBc) when tested per IEC 62037-8 near-field test, 2 × 43 dBm tones under dynamic stimulus
- Durable in heat cold UV and moisture
- Inherently PIM-free glass-filled UV-stable polymer
- Simple, one-handed installation



| Part # | Cable Range | Operating Temperature | Weight |
|--------------|-------------|-----------------------|--------|
| PSPS-0411-10 | 4–11 mm | –40 °C to +70 °C | 1 lb. |
| PSPS-1017-10 | 10–17 mm | –40 °C to +70 °C | 1 lb. |

PIM Shield® Polymer Cable Support Bars & Pole Clamps

This low-PIM polymer cable support bar and pole clamp solution is engineered to maximize PIM mitigation. They are highly configurable and can be used in a variety of applications.

- Available in our PIM Shield® Product Guide
- High-performance polymer construction
- Remains stable under wind and vibration
- Mounts to round legs 2-3/8" to 4-1/2" diameter
- Very low-weight solution
- 3/4" holes accept low-PIM snap-ins, best performance when paired with our Gen 2 Snap-Ins



| Part # | Range | Positions | Weight |
|-------------|-------|-----------|--------|
| 902053-01 | 10" | 13 | 0 lbs. |
| 902053-02 | 18" | 13 | 0 lbs. |
| 902055-02-3 | 18" | 26 | 0 lbs. |

Snap-In Adapter, 5 Position

This 5 position snap-in adapter provides a low-PIM mounting location for up to 5 snap-in style cable hangers in high-risk PIM zones.

- Available in our PIM Shield® Product Guide
- Low PIM
- UV Stable, glass-filled nylon
- Secure using nylon cable ties, plastic round member adapters, or acetal banding.
- Package of 10

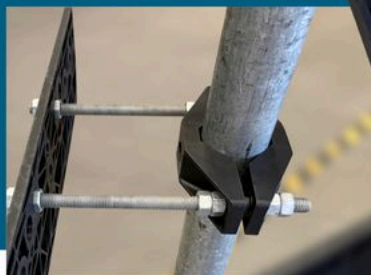
| Part # | Qty. | Weight |
|-----------|---------------|--------|
| 900945-10 | Package of 10 | 1 lb. |



NEW

Superior PIM Mitigation with New Polymer Cable Support Bars

PIM Shield® Polymer Cable Support Bars are engineered to maximize PIM mitigation. Using polymer components at both the support bar and pole attachment points results in a support solution that significantly reduces PIM while keeping cables clean and consistent.



PIM Reduced by Design

The polymer bar and polymer pole-mount clamp are designed to minimize metal-to-metal contact at the mounting interface, thereby reducing common PIM contributors where the support hardware meets the pole.



Pair with Gen 2 Snap-Ins to Optimize PIM Mitigation Performance

Gen 2 Snap-ins snap easily into the bar's molded holes to create a fully non-metallic cable-retention interface, eliminating metal clips, straps, or contact surfaces at the cable attachment points.



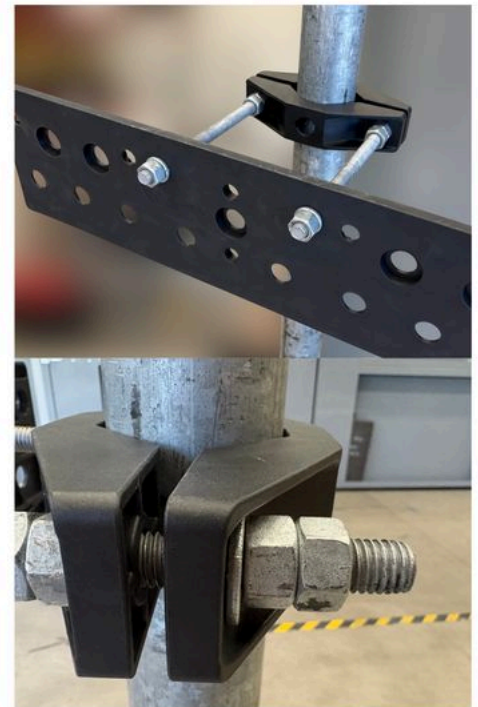
Stays Stable Under Wind & Vibration

PIM issues often manifest later, when hardware shifts or loosens over time. The kit is designed to maintain a consistent position, helping reduce micro-motion at the mount interface, which can cause interference over time.



Consistent Cable Separation & Cleaner Routing

When jumpers are kept consistently spaced and firmly retained, there is less chance of rubbing, chattering, or unintended contact with nearby metal that can introduce PIM contributors. The bar layout supports repeatable placement so installs stay clean through adds, swaps, and sector upgrades.



The polymer bar and polymer pole-mount clamp create a non-metallic interface at the pole, helping reduce common PIM contributors from support hardware.

NEXT GENERATION DESIGN



Minimal PIM. Maximum convenience.

Our second-generation PIM Shield® plastic snap-ins deliver a generational leap in installation ease, and PIM mitigation. Engineered for one-hand, tool-free operation, they enhance safety and site performance, securing cables firmly in place.



Simple One-Handed Installation

Snap it on with a single hand for a firm fit - no tools, no fumbling. Snap-in retention tabs ensure everything clicks securely into place.



Designed to Stay in Your Hand, Not Fall from It

Unlike the circular design of leading competitors, which can be easily dropped during installation, our ergonomic shape provides a secure grip.



Expanded Cable Insertion Zone

A larger, nylon-flex insertion mouth accommodates a wider range of cable diameters and makes positioning effortless, even in tight or awkward spaces.



Oversized Cable Guides for Anti-Slip Security

Broad, flared guides cradle the cable and stop it from sliding through, ensuring stable connections that endure wind, vibration, and movement.



Effortless Removal vs. Competitor Struggle

Where alternative snaps jam, require force, and risk dropping at height, our Gen 2 design releases cleanly with one hand - no extra effort, enhanced safety, and zero damage.

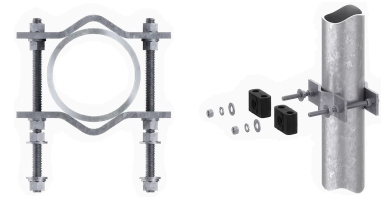
AVAILABLE NOW AT SITE PRO 1



PIM Shield® Cable Support Bracket

PIM Shield® Cable Support Brackets provide a high-strength, low passive intermodulation (PIM) mounting system for securing multiple plastic Cable Support Blocks (sold separately) in high-risk PIM zones. These brackets use galvanized steel construction and an insulated mating surface to minimize interference. Designed for mounting pipes with a range of 2.38" to 3.50" OD, they ensure a reliable and durable installation.

- Available in our PIM Shield® Product Guide
- Low PIM
- Galvanized steel construction
- Supports multiple plastic Cable Support Blocks
- Available in different grip ranges for varied mounting needs



| Part # | Grip Range | Mounting Pipe Range | Material | Weight |
|--------------|------------|---------------------|------------------|---------|
| 009718-01-10 | 1.25" | 2.38" - 3.50" OD | Galvanized Steel | 22 lbs. |
| 009718-02-10 | 3.75" | 2.38" - 3.50" OD | Galvanized Steel | 23 lbs. |

PIM Shield® Threaded Rod Adapter

The PIM Shield® Threaded Rod Adapter is a low PIM solution for mounting 3/8-inch galvanized steel threaded hardware to 0.75-inch diameter galvanized steel snap-in cable hanger mounting holes. This adapter ensures a secure and stable connection while minimizing passive intermodulation (PIM) for improved performance in RF applications.

- Available in our PIM Shield® Product Guide
- Low PIM adapter for mounting 3/8-inch galvanized steel threaded hardware
- Fits 0.70-inch to 0.76-inch diameter mounting holes
- Designed to compensate for galvanization build-up
- Constructed from galvanized steel for durability
- Tested to IM3 < -100 dBm per IEC 62037-8 standards
- Compatible with ConcealFab 900053 tool for proper torqueing
- Operating temperature range -40°C to +70°C

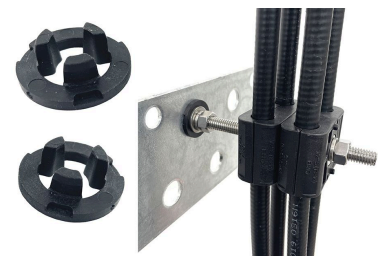


| Part # | Thread Size | Qty. Per Case | Weight |
|-----------|---------------|---------------|--------|
| 901295-10 | 3/8-16 UNC-1B | 10 | 3 lbs. |

PIM Shield® Insulator

The PIM Shield® Threaded Rod Insulator is a low PIM solution for mounting stainless steel or galvanized steel 3/8" threaded hardware to 0.75-inch diameter snap-in hanger mounting holes. The insulator design prevents direct metal-to-metal contact, reducing the risk of passive intermodulation (PIM).

- Available in our PIM Shield® Product Guide
- Low PIM performance
- Aligns and secures threaded hardware in mounting holes
- Prevents metal-to-metal contact
- 33% glass-filled nylon construction for durability
- Black plastic base for easy identification
- Operating temperature: -40°C to +70°C



| Part # | Mounting Hole Diameter | Mounting Bar Thickness | System PIM Performance | Qty. Per Case | Weight |
|-----------|------------------------|------------------------|------------------------|---------------|--------|
| 901191-10 | 0.70" - 0.76" | 0.115" - 0.375" | IM3 < -100 dBm | 10 | 2 lbs. |
| 901191-50 | 0.70" - 0.76" | 0.115" - 0.375" | IM3 < -100 dBm | 50 | 7 lbs. |

PIM Foil

These PIM Foil products provide a lightweight, temporary RF barrier to help isolate passive intermodulation (PIM) sources. Designed for use on rooftops, they offer >30 dB PIM reduction and are ideal for validating interference sources before applying permanent mitigation solutions. A soft case is available for storage and transport.

- Available in our PIM Shield® Product Guide
- Lightweight RF barrier for temporary PIM mitigation
- Reduces PIM by >30 dB when placed over external interference sources
- Available in 18-inch and 36-inch wide rolls
- Soft case option for easy transport and storage
- Meets IEC 62037-8 far field testing standards



| Part # | Description | Width | Length | Weight |
|----------------|---------------------|----------------|--------|---------|
| 900964-18-100 | Standard Foil Roll | 18" | 100' | 5 lbs. |
| 900964-36-100 | Standard Foil Roll | 36" | 100' | 9 lbs. |
| 900964-KIT-101 | Foil with Soft Case | 3x 36", 2x 18" | 100' | 43 lbs. |
| 901067 | Soft Case for Foil | N/A | N/A | 6 lbs. |

PIM Blankets

These PIM Blankets serve as temporary RF barriers to isolate passive intermodulation (PIM) sources on rooftops or near base station antennas. When properly placed, they reduce PIM by over 30 dB, allowing for effective interference mitigation. Constructed with low PIM metal foil and a durable vinyl outer layer, they include integrated tie-down loops for secure placement.

- Available in our PIM Shield® Product Guide
- Temporary RF barrier for isolating PIM sources
- Constructed with low PIM metal foil and heavy-duty vinyl
- Includes integrated tie-down loops for secure placement
- Meets IEC 62037-8 far field testing standards



| Part # | Length | Width | Loops | Corners | Weight |
|---------------|--------|-------|-------|---------|---------|
| 007640-120060 | 120 in | 60 in | 6 | Rounded | 16 lbs. |
| 007640-030030 | 30 in | 30 in | 4 | Rounded | 2 lbs. |
| 007640-060060 | 60 in | 60 in | 4 | Rounded | 8 lbs. |
| 007640-060030 | 60 in | 30 in | 4 | Rounded | 4 lbs. |

PIM Side Blankets

The Side PIM Blanket is a temporary RF barrier used to block radiation at ±90 degrees from boresight on base station panel antennas. It helps in determining the direction of external PIM sources and is typically used with ConcealFab's PIM Absorber Kits. Built with low PIM metal foil and heavy-duty vinyl, it includes nylon webbing tie-down loops for secure mounting.

- Available in our PIM Shield® Product Guide
- Blocks RF radiation ±90° from boresight for PIM source identification
- Works with ConcealFab PIM Absorber Kits (901124, 901125, 901162)
- Reduces PIM by >100 dBm when tested per IEC 62037-8
- Constructed with low PIM metal foil



| Part # | Length | Width | Tie-Down Loops | Weight |
|---------------|--------|-------|----------------|--------|
| 007640-240008 | 240" | 8" | 2 | 6 lbs. |

PIM Absorber Kits

These PIM Absorber Kits are designed to suppress passive intermodulation (PIM) by minimizing unwanted RF reflections near base station antennas. The front absorber kit attaches to the antenna face, while the back absorber kits help determine the direction of external PIM sources. Each kit includes RF absorber panels and mounting accessories for secure installation.

- Available in our PIM Shield® Product Guide
- Suppresses forward radiation and minimizes PIM reflections
- Works with front and back base station antenna installations
- Absorber panels included for enhanced RF attenuation
- Integrated tie-down loops and clips for secure mounting
- Meets IEC 62037-8 PIM testing standards



| Part # | Description | Included Components | Weight |
|---------------|--|--|---------|
| 901728 | PIM Absorber Front Blanket Kit, Large Antennas | 1x PIM blanket, 4x RF absorber panels (24"x24"x4"), 1x pole attach strap, 4x bungee straps | 29 lbs. |
| 901125 | PIM Absorber Kit, Back, 2-IN | 3x RF absorber panels (24"x24"x2"), 2x RF absorber panels (12"x24"x2") | 17 lbs. |
| 901162 | PIM Absorber Kit, Back, 1-IN | 3x RF absorber panels (24"x24"x1"), 2x RF absorber panels (12"x24"x1") | 14 lbs. |
| 901230 | Absorber Kit Soft Case | 28"x28"x13" main compartment, front pouch for bungee straps | 7 lbs. |
| 901728-BUNDLE | For Large Antennas, Includes 1x 901728 Absorber Kit (Front), 1x 901162 Absorber Kit (Back, 1-inch), and 2x 901230 Absorber Kit Soft Case | 901728 Front Kit, 901162 Back Kit (1"), 2x 901230 Soft Cases | 55 lbs. |

PIM Shield® Tape

PIM Shield® Tape is a permanent RF barrier that bonds to a variety of surfaces, including metals, roofing materials, concrete, brick, and wood. Designed for PIM mitigation, it features a low PIM metal foil core and high-tack synthetic resin adhesive for strong adhesion, even on irregular surfaces.

- Available in our PIM Shield® Product Guide
- Low PIM metal foil core with UV-stable TPO protective layer
- >10 dB RF attenuation (600 MHz to 2700 MHz)
- Silicone release liner for easy application



| Part # | Roll Width | Roll Length | Color | Weight |
|----------------|------------|-------------|-------|---------|
| 008587-12-25-B | 12 in | 25 ft. | Black | 15 lbs. |
| 008587-12-25-W | 12 in | 25 ft. | White | 15 lbs. |
| 008587-06-25-B | 6 in | 25 ft. | Black | 8 lbs. |
| 008587-06-25-W | 6 in | 25 ft. | White | 8 lbs. |

RF Safety Sign Support Kit

The PIM Shield® RF Safety Sign Support Kit provides a low passive intermodulation (PIM) solution for securing metal or plastic RF safety signs in high-risk PIM zones. The kit is designed to be used with UV-stable straps (sold separately) to ensure proper sign attachment while maintaining site integrity.

- Available in our PIM Shield® Product Guide
- Low PIM interference
- Compatible with both metal and plastic RF safety signs
- Durable, UV-stable glass-filled nylon and polyurethane components
- Stainless steel large head nut for secure fastening
- Designed for signs up to 0.125-inch thick
- Operates in -40°C to +70°C environments
- Meets IEC 62037-8 IM3 <-100 dBm near field PIM test standards
- Includes necessary mounting hardware for installation

| Part # | Maximum Sign Thickness | Operating Temperature | Case Dimensions | Qty. Per Case | Weight |
|-----------|------------------------|-----------------------|-----------------|---------------|--------|
| 901706-10 | 0.125" | -40°C to +70°C | 15" x 11" x 8" | 10 | 1 lb. |



RF Safety Sign Stand

The PIM Shield® RF Safety Sign Stand is a low-PIM safety barrier designed to secure RF Safety Signs at high-power rooftop sites as required by the FCC. It is engineered to resist tipping in winds up to 190 mph when used with cinder blocks (by others), creating a durable yet easily disassembled safety barrier for technician access. Multiple stands can be linked together using plastic chains (by others). The sign includes the 901706 Support Kit.

- Available in our PIM Shield® Product Guide
- Low-PIM safety barrier solution
- Withstands winds up to 190 mph
- Modular design for easy disassembly and technician access
- Compatible with 901706 Support Kit
- Meets IM3 <-100 dBm performance per IEC 62037-8
- Torque requirement: 4 FT-LB (ConcealFab Tool #901039)

| Part # | Footprint (L x W) & Height | Operating Temperature | Performance | Package Dimensions | Weight |
|--------|----------------------------|-----------------------|---------------|--------------------|--------|
| 901607 | 27" x 20.75" x 42.5" | -20°C to +60°C | IM3 <-100 dBm | 43" x 18" x 9" | 9 lbs. |

| Part # | Description | Weight |
|-----------|----------------------------|--------|
| 901706-10 | RF Safety Sign Support Kit | 1 lb. |



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