

Steel Products



PRODUCT SELECTION GUIDE
FOURTH EDITION



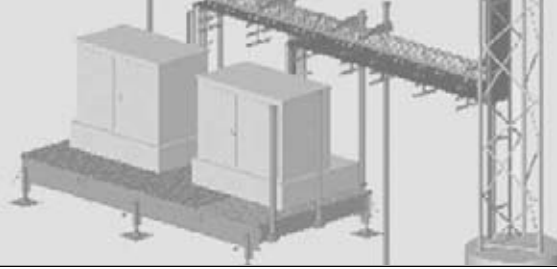
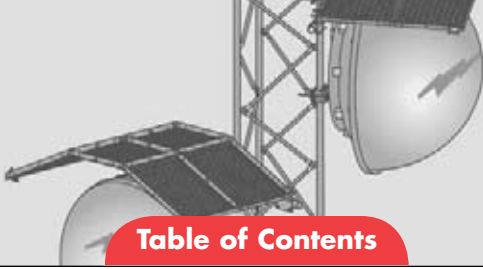
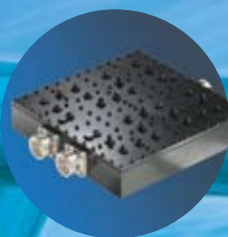


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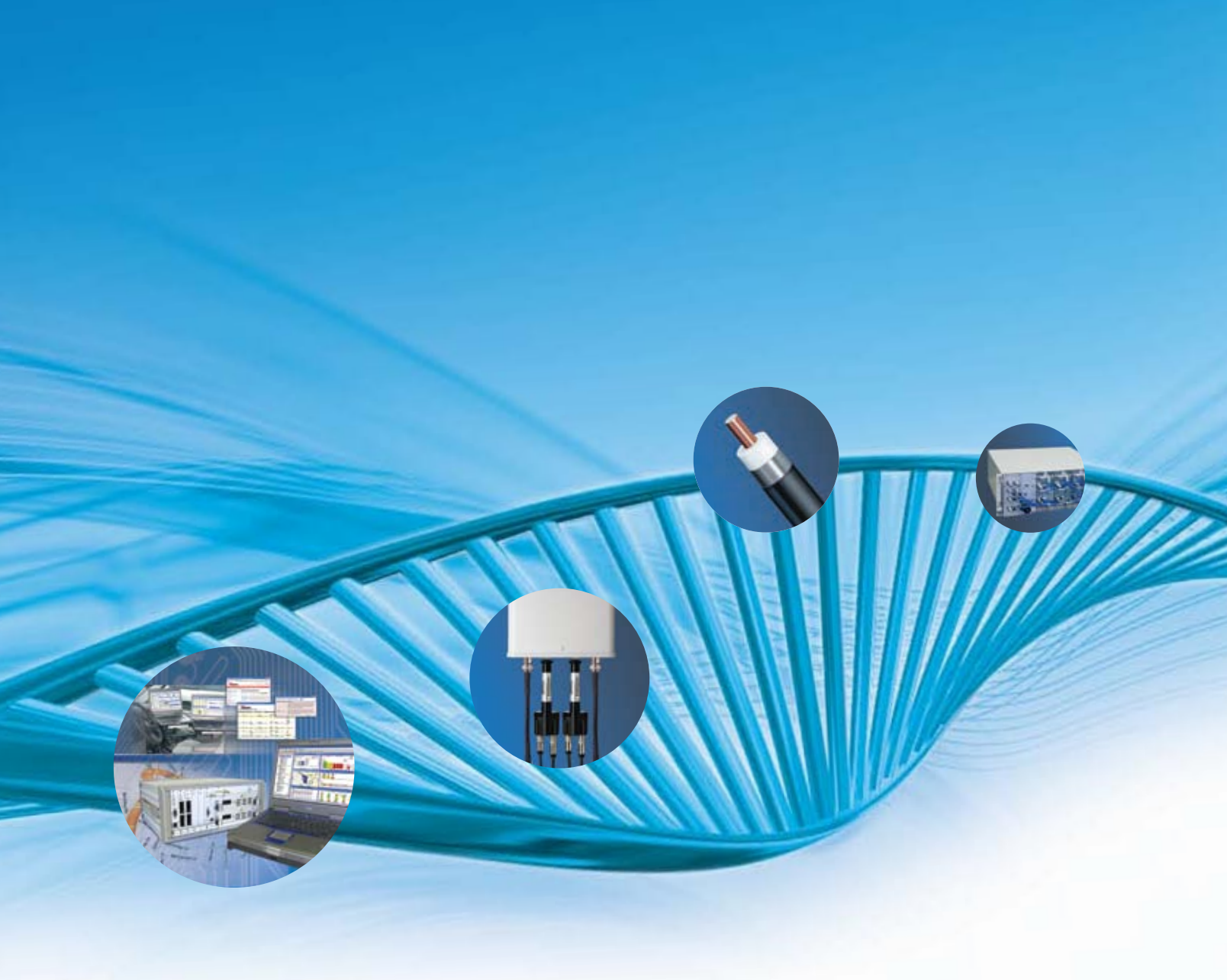
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Join the Evolution



Our evolution begins with you.

Whether you're a wireless network operator, original equipment manufacturer, distributor, integrator or installer, you need the right solutions—solutions that help you stay one step ahead of technology and the costs of keeping up. Solutions that help you stay ahead of the game. Andrew delivers those solutions for traditional wireless networks, third-generation technologies, triple-play (voice, data, video) services, as well as specialized applications for microwave communication systems.



The evolution of change.

Some technologies evolve in small increments; others evolve seemingly overnight. Andrew is always at the forefront, supporting the evolution on behalf of you, our customer. Over the years, Andrew has evolved too, from our humble beginnings in 1937 to our position today as a CommScope company and global leader.

Our evolution has come full circle today, as Andrew is committed to providing one complete source for managing the entire lifecycle of a wireless network. We design, manufacture, and deliver innovation for:

- Top-of-the-tower base station antennas
- Transmission line systems
- Microwave backhaul solutions
- Base transceiver station (BTS) radio equipment
- Coverage and capacity solutions
- Radio frequency (RF) signal distribution products
- Network optimization software
- Integrated cabinet solutions

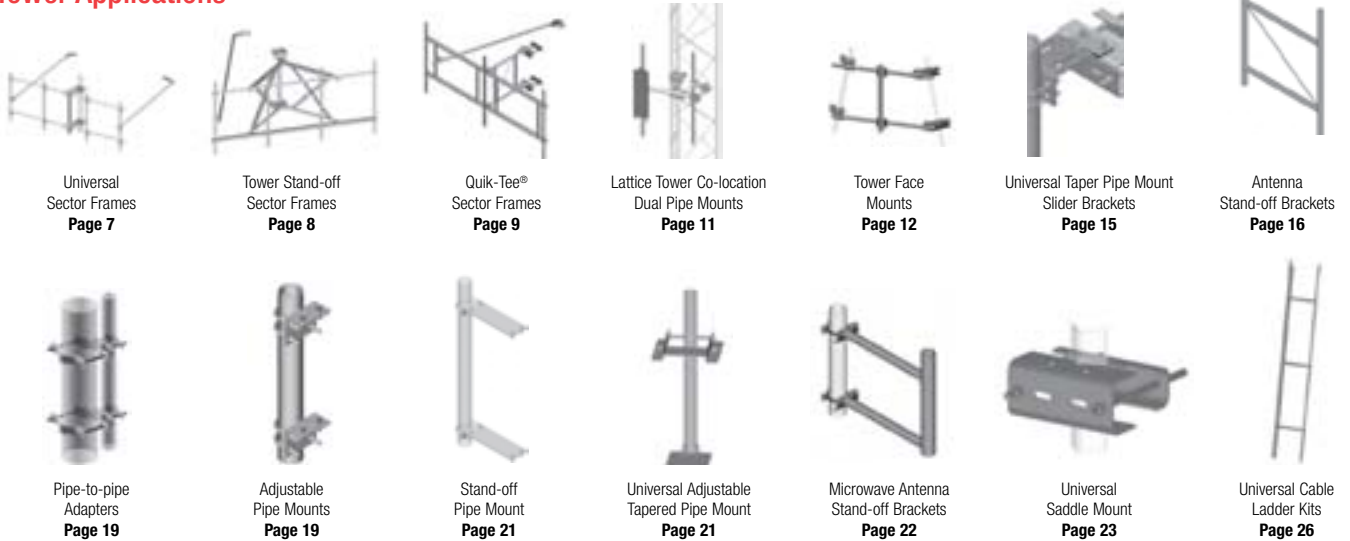
We serve our customers from facilities in 35 countries, including multiple manufacturing plants in 10 countries. And many of our customer relationships span 25 years or more. It's a strong testament to what we can accomplish together.

Just look for the distinctive symbol that has been synonymous with advanced connectivity for more than 70 years: *the Andrew flash.*

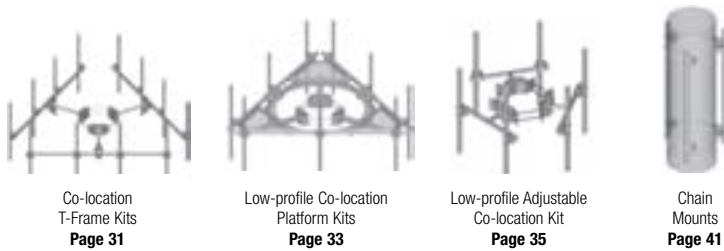


Selection Guide

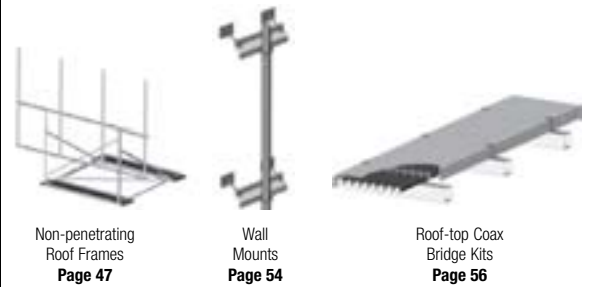
Tower Applications



Monopole Applications



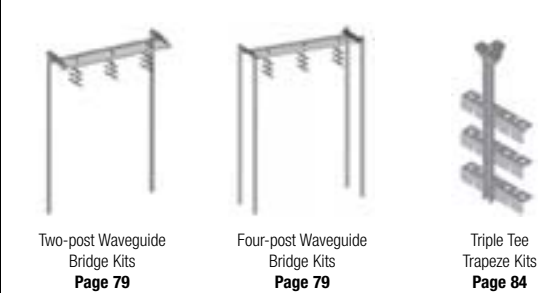
Roof-top Applications



Water Tower Applications

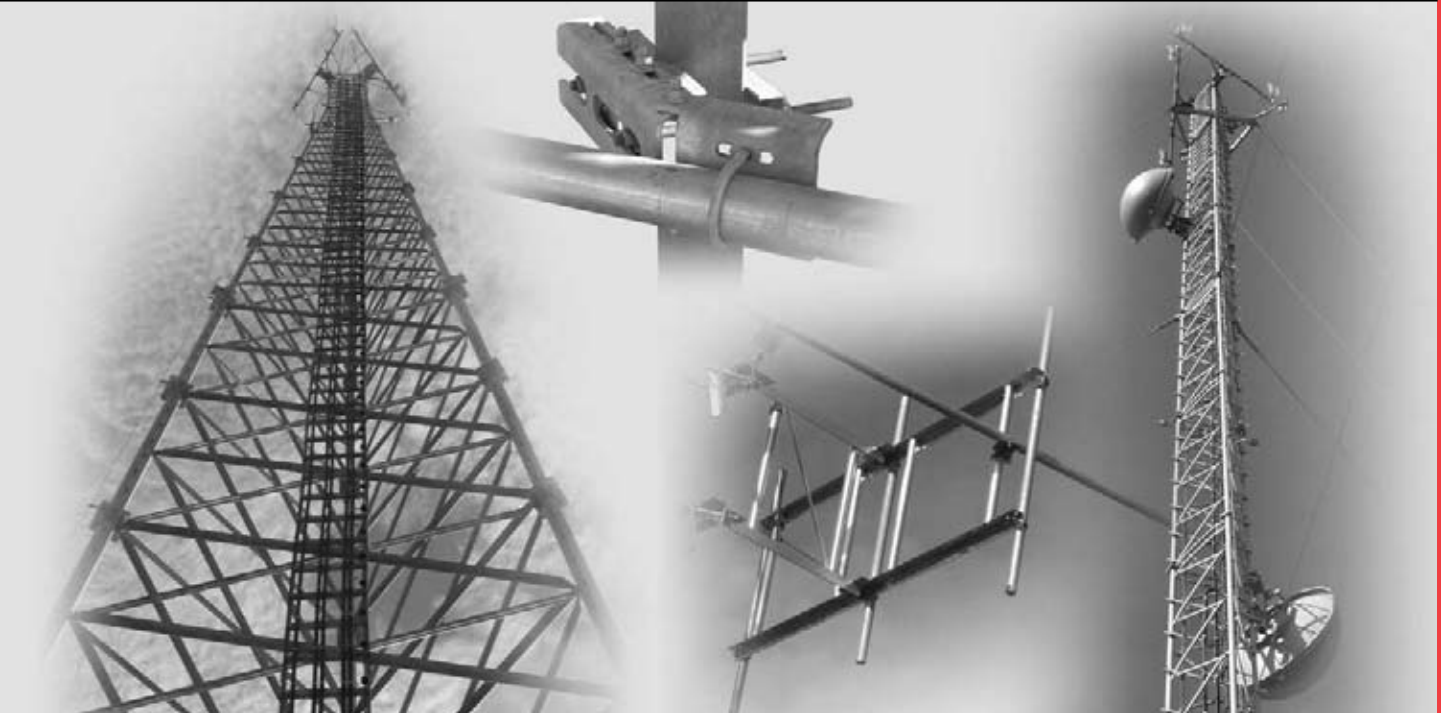


Waveguide Bridge Applications



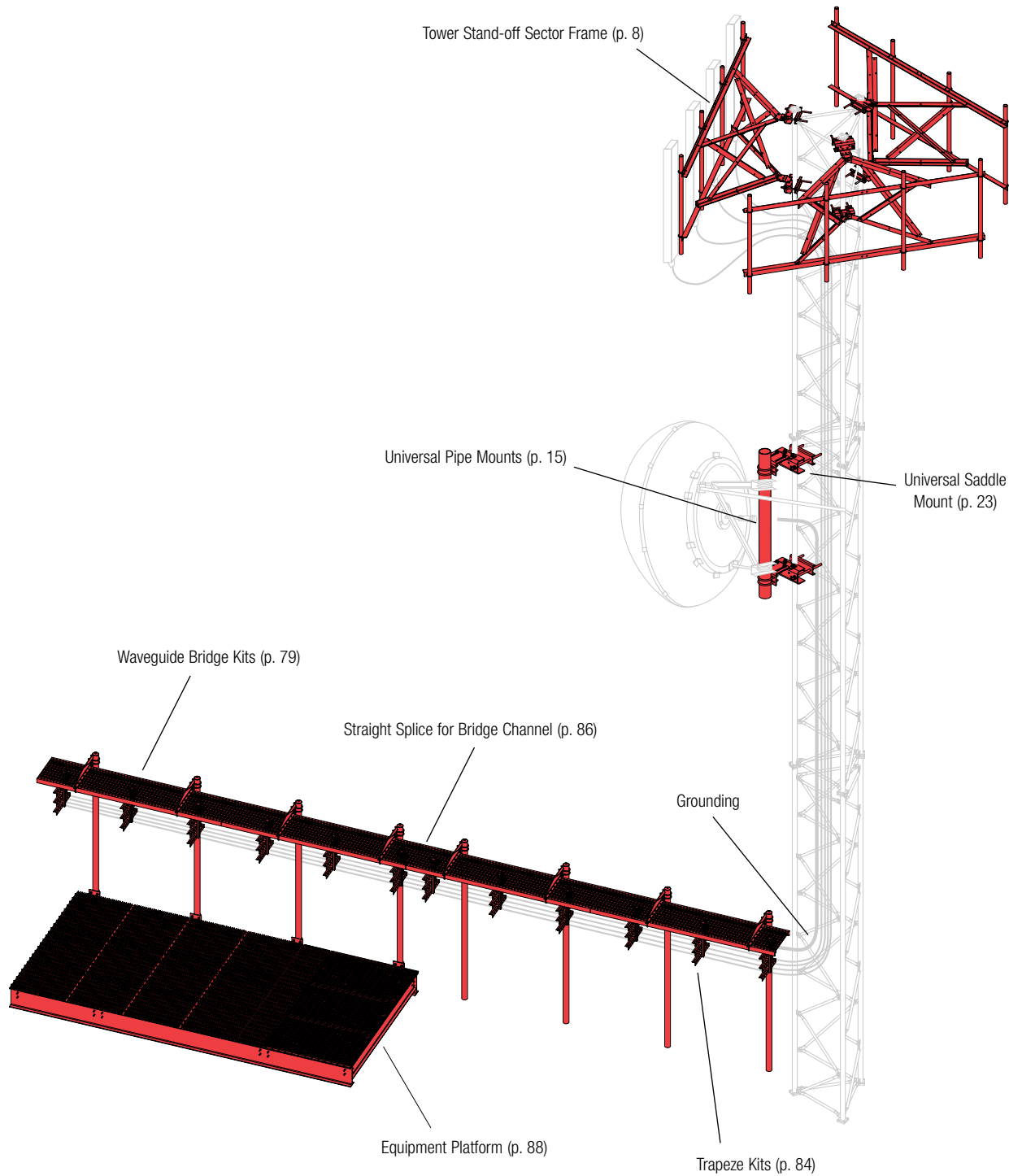
Site Related Components





- **Co-location Kits**
- **Microwave Components**
- **Mounting Components**
- **Coaxial Cable Support Components**

Tower Applications

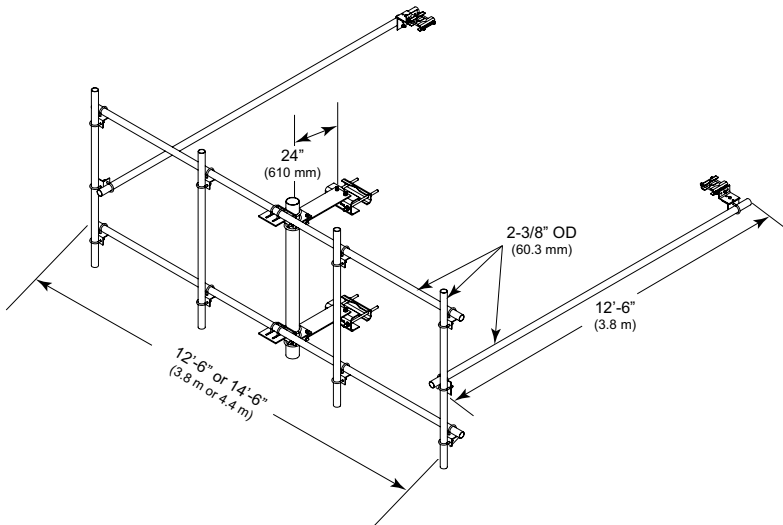


Tower Applications

Co-location Kits

Universal Sector Frames

- Application:** Lattice towers
- Size:** 12'-6" (3.8 m) or 14'-6" (4.4 m) face
- Design:** Frame with 24" (0.6 m) stand-off
- Feature:** Superior loading with a universal design
- Mounts to:** Straight or tapered legs up to 8" (203.2 mm) OD, 8" (203.2 mm) angle 60°, or 6" (152.4 mm) angle 90°
- Material:** Hot dip galvanized steel
- Includes:** Frame, clamps, stiff arm.
Pipes and saddle mounts unless noted.
- Order Separately:** Pipes and saddle mounts on B/B-NH kits



Part Number Description Weight, lb (kg)

Universal Sector Frame 12'-6" (3.8 m) Wide. Pipes Ordered Separately

SF-U12-B	Pipes Ordered Separately	397 (180.1)
SF-U12-B-NH	Pipes and Leg Saddle Mounts Ordered Separately	349 (158.3)

Universal Sector Frame 12'-6" (3.8 m) Wide. Pipes Included

SF-U12-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	487 (220.9)
SF-U12-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	508 (230.4)
SF-U12-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	536 (243.1)
SF-U12-4-72	Four 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	517 (234.5)
SF-U12-4-96	Four 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	546 (247.7)
SF-U12-4-126	Four 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	583 (264.4)

Universal Sector Frame 14'-6" (4.4 m) Wide. Pipes Ordered Separately

SF-U14-B	Pipes Not Included	411 (186.4)
SF-U14-B-NH	Pipes and Leg Saddle Mounts Ordered Separately	364 (165.1)

Universal Sector Frame 14'-6" (4.4 m) Wide. Pipes Included

SF-U14-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	501 (227.3)
SF-U14-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	523 (237.2)
SF-U14-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	550 (249.5)
SF-U14-4-72	Four 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	531 (240.9)
SF-U14-4-96	Four 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	561 (254.5)
SF-U14-4-126	Four 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	597 (270.8)

Face Width	EPA (no ice, sq ft):	EPA (1/2" radial ice, sq ft):
12'-6" Face	10.8	15.1
14'-6" Face	11.7	16.4

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222
140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

*Typical installation of four 72" x 8" panel antennas per sector

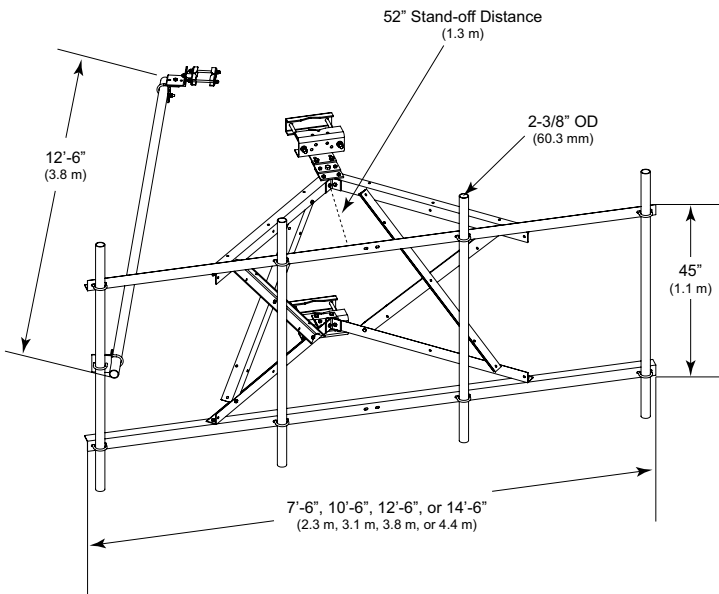


Tower Applications

Co-location Kits

Tower Stand-off Sector Frames

- Application:** Lattice towers
- Size:** 7'-6" (2.3 m) to 14'-6" (4.4 m) face
- Design:** Frame with 52" (1.3 m) stand-off
- Feature:** Angle design, dual gated 52" stand-off
- Mounts to:** Straight or tapered legs up to 8" (203.2 mm) OD, 8" (203.2 mm) angle 60°, or 6" (152.4 mm) angle 90°
- Material:** Hot dip galvanized steel
- Includes:** Frame, clamps and stiff arm. Pipes and saddle mounts unless noted.
- Order Separately:** Pipes or pipes and saddle mounts on B/B-NH kits



Face Width	EPA (no ice, sq ft):	EPA (1/2" radial ice, sq ft):
7'-6" Face	15.1	19.5
10'-6" Face	16.8	21.9
12'-6" Face	18.2	23.6
14'-6" Face	19.5	25.4

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222
140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

*Typical installation of four 72" x 8" panel antennas per sector

Part Number	Description	Weight, lb (kg)
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Stand-off Sector Frame 7'-6" (2.3 m) Wide. Pipes Ordered Separately

SF-SU7-B	Pipes Ordered Separately	334 (151.5)
SF-SU7-B-NH	Pipes and Leg Saddle Mounts Ordered Separately	287 (130.2)

Stand-off Sector Frame 7'-6" (2.3 m) Wide. Pipes Included

SF-SU7-2-72	Two 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	380 (172.4)
SF-SU7-2-96	Two 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	395 (179.2)
SF-SU7-2-126	Two 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	413 (187.3)

Stand-off Sector Frame 10'-6" (3.1 m) Wide. Pipes Ordered Separately

SF-SU10-B	Pipes Ordered Separately	353 (160.1)
SF-SU10-B-NH	Pipes and Leg Saddle Mounts Ordered Separately	304 (137.9)

Stand-off Sector Frame 10'-6" (3.1 m) Wide. Pipes Included

SF-SU10-2-72	Two 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	399 (181.0)
SF-SU10-2-96	Two 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	414 (187.8)
SF-SU10-2-126	Two 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	432 (196.0)
SF-SU10-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	423 (191.9)
SF-SU10-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	444 (201.4)
SF-SU10-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	472 (214.1)
SF-SU10-4-72	Four 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	446 (202.3)
SF-SU10-4-96	Four 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	475 (215.5)
SF-SU10-4-126	Four 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	511 (231.8)

Stand-off Sector Frame 12'-6" (3.8 m) Wide. Pipes Ordered Separately

SF-SU12-B	Pipes Ordered Separately	368 (166.9)
SF-SU12-B-NH	Pipes and Leg Saddle Mounts Ordered Separately	321 (145.6)

Stand-off Sector Frame 12'-6" (3.8 m) Wide. Pipes Included

SF-SU12-2-72	Two 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	414 (187.8)
SF-SU12-2-96	Two 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	429 (194.6)
SF-SU12-2-126	Two 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	447 (202.8)
SF-SU12-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	438 (198.7)
SF-SU12-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	459 (208.2)
SF-SU12-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	487 (220.9)
SF-SU12-4-72	Four 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	461 (209.1)
SF-SU12-4-96	Four 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	490 (222.3)
SF-SU12-4-126	Four 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	537 (243.6)

Stand-off Sector Frame 14'-6" (4.4 m) Wide. Pipes Ordered Separately

SF-SU14-B	Pipes Ordered Separately	383 (173.7)
SF-SU14-B-NH	Pipes and Leg Saddle Mounts Ordered Separately	336 (152.4)

Stand-off Sector Frame 14'-6" (4.4 m) Wide. Pipes Included

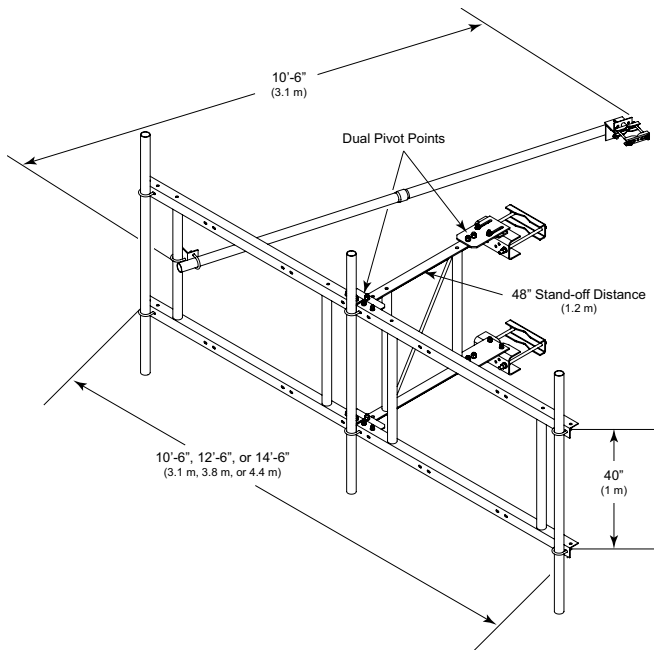
SF-SU14-2-72	Two 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	429 (194.6)
SF-SU14-2-96	Two 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	444 (201.4)
SF-SU14-2-126	Two 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	462 (209.6)
SF-SU14-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	453 (205.5)
SF-SU14-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	474 (215.0)
SF-SU14-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	502 (227.7)
SF-SU14-4-72	Four 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	476 (215.9)
SF-SU14-4-96	Four 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	505 (229.1)
SF-SU14-4-126	Four 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	541 (245.4)

Tower Applications

Co-location Kits

Quik-Tee[®] Sector Frames

- Application:** Lattice towers
- Size:** 10'-6" (3.1 m) to 14'-6" (4.4 m) face
- Design:** Welded frame with 48" (1.2 m) stand-off
- Feature:** Quickly assembled, dual pivoting frame with universal taper kit *Patent #US 7,086,207
- Mounts to:** Straight or tapered legs up to 8" (203.2 mm) OD, 8" (203.2 mm) angle 60°, or 6" (152.4 mm) angle 90°
- Material:** Hot dip galvanized steel
- Includes:** Frame, clamps and stiff arm. Pipes and saddle mounts unless noted.
- Order Separately:** Pipes for Base Kits, second stiff arm for increased wind rating



Face Width	EPA (no ice, sq ft):	EPA (1/2" radial ice, sq ft):
10'-6" Face	13.6	17.5
12'-6" Face	16.3	20.6
14'-6" Face	17.7	22.1

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 90 mph (BWS) per latest revision of TIA/EIA-222 at 150' AGL

*Typical installation of four 72" x 8" panel antennas per sector

Wind rating* with use of second stiff arm, (order separately)

120 mph (BWS) per latest revision of TIA/EIA-222

140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

Part Number	Description	Weight, lb (kg)
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Quik-Tee[®] Sector Frame 10'-6" (3.1 m) Wide. Pipes Ordered Separately

QT-SF10-B	Pipes Ordered Separately	335.97 (152.4)
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Quik-Tee[®] Sector Frame 10'-6" (3.1 m) Wide. Pipes Included

QT-SF10-2-72	Two 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	377.97 (171.4)
QT-SF10-2-96	Two 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	402.97 (182.8)
QT-SF10-2-126	Two 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	415.37 (188.4)
QT-SF10-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	398.97 (181)
QT-SF10-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	436.47 (198)
QT-SF10-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	455.07 (206.4)
QT-SF10-4-72	Four 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	419.97 (190.5)
QT-SF10-4-96	Four 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	469.97 (213.2)
QT-SF10-4-126	Four 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	494.77 (224.4)

Quik-Tee[®] Sector Frame 12'-6" (3.8 m) Wide. Pipes Ordered Separately

QT-SF12-B	Pipes Ordered Separately	350.96 (159.2)
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Quik-Tee[®] Sector Frame 12'-6" (3.8 m) Wide. Pipes Included

QT-SF12-2-72	Two 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	392.96 (178.2)
QT-SF12-2-96	Two 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	417.96 (189.6)
QT-SF12-2-126	Two 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	430.36 (195.2)
QT-SF12-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	413.96 (187.8)
QT-SF12-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	451.46 (204.8)
QT-SF12-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	470.06 (213.2)
QT-SF12-4-72	Four 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	434.96 (197.3)
QT-SF12-4-96	Four 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	484.96 (220)
QT-SF12-4-126	Four 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	509.76 (231.2)

Quik-Tee[®] Sector Frame, 14'-6" (4.4 m) Wide. Pipes Ordered Separately

QT-SF14-B	Pipes Ordered Separately	370.1 (167.9)
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Quik-Tee[®] Sector Frame, 14'-6" (4.4 m) Wide. Pipes Included

QT-SF14-2-72	Two 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	412.1 (186.9)
QT-SF14-2-96	Two 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	437.1 (198.3)
QT-SF14-2-126	Two 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	449.5 (203.9)
QT-SF14-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	433.1 (196.5)
QT-SF14-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	470.6 (213.5)
QT-SF14-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	489.2 (221.9)
QT-SF14-4-72	Four 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	434.1 (206.0)
QT-SF14-4-96	Four 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	504.1 (228.7)
QT-SF14-4-126	Four 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	528.9 (239.9)

Additional Stiff Arm Kit

SA-B10	Two Threaded 2-3/8" OD x 63" (60.3 mm OD x 1.6 m) Pipes	53 (24.1)
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Quik-Tee[®] Sector Frame "from skid to sky in minutes"



Tower Applications

Mounting Components

Pipe Frame Stand-off Brackets

Application:	Lattice towers
Size:	36" (0.9 m) stand-off
Design:	One-piece welded stand-off
Feature:	Stands pipe frame away from tower
Mounts to:	2" to 8" (50.8 mm to 203.2 mm) OD
Material:	Hot dip galvanized steel
Includes:	Stand-off and clamps
Order Separately:	Tower pipe frame

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222
140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

*Typical installation of three 72" x 8" panel antennas per sector

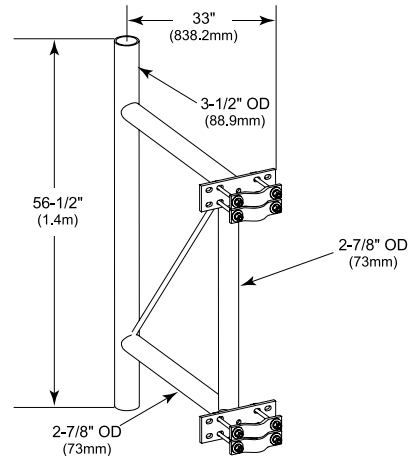
Part Number	Description	Weight, lb (kg)
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Pipe Frame Stand-off Bracket for Vertical Legs, 36" (0.9 m)

PB-G3S-2	2" to 5" OD (50.8 mm to 127 mm OD)	132 (59.9)
PB-G3S-4	4" to 8" OD (101.6 mm to 203.2 mm OD)	132 (59.9)

Pipe Frame Stand-off Bracket for Tapered Legs, 36" (0.9 m)

PB-G3T-2	2" to 5" OD (50.8 mm to 127 mm OD)	138 (62.6)
PB-G3T-4	4" to 8" OD (101.6 mm to 203.2 mm OD)	138 (62.6)



Tower Pipe Frame

Application:	Lattice towers
Size:	10'-6" (3.1 m) or 12'-6" (3.8 m)
Design:	2-3/8" (60.3 mm) OD pipe with crossover plates
Feature:	Flush or pipe mounted sector frame
Mounts to:	1-1/2" to 4-1/2" (38.1 mm to 114.3 mm) OD
Material:	Hot dip galvanized steel
Includes:	Frame, pipes, stiff arm
Order Separately:	Pipe frame stand-off bracket

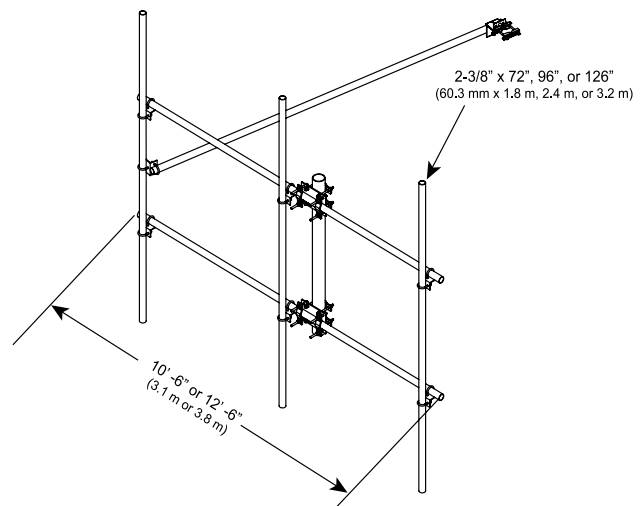
Part Number	Description	Weight, lb (kg)
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Tower Pipe Frame, 10'-6" (3.1 m) Wide. Pipes Included

SF-TP10-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	303.0 (137.4)
SF-TP10-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	325.0 (147.4)
SF-TP10-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	352.0 (159.6)

Tower Pipe Frame, 12'-6" (3.8 m) Wide. Pipes Included

SF-TP12-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	318.0 (144.2)
SF-TP12-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	340.2 (154.2)
SF-TP12-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	367.0 (166.5)



Face Width	EPA (no ice, sq ft):	EPA (1/2" radial ice, sq ft):
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10'-6" Face	7.27	10.50
12'-6" Face	8.22	11.80

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222
140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

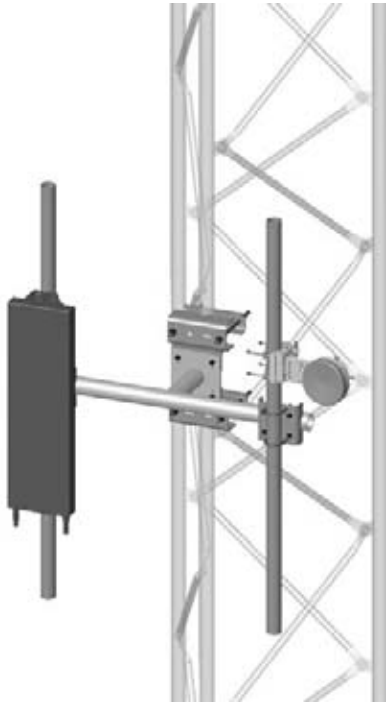
*Typical installation of three 72" x 8" panel antennas per sector

Tower Applications

Microwave Components

Lattice Tower Co-location Dual Pipe Mounts

- Application:** Lattice towers
- Size:** 57" (1.4 m) face with 48" (1.2 m) separation
- Design:** Universal double antenna mount
- Feature:** Down tilt capabilities
- Mounts to:** Straight or tapered legs up to 8" (203.2 mm) OD, 8" (203.2 mm) angle 60°, or 6" (152.4 mm) angle 90°
- Material:** Hot dip galvanized steel
- Includes:** Mount, weldment, hardware
- Order Separately:** Available with or without pipe



Man Rating: 250 lb vertical man load at 15 mph (BWS)
Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222
 140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

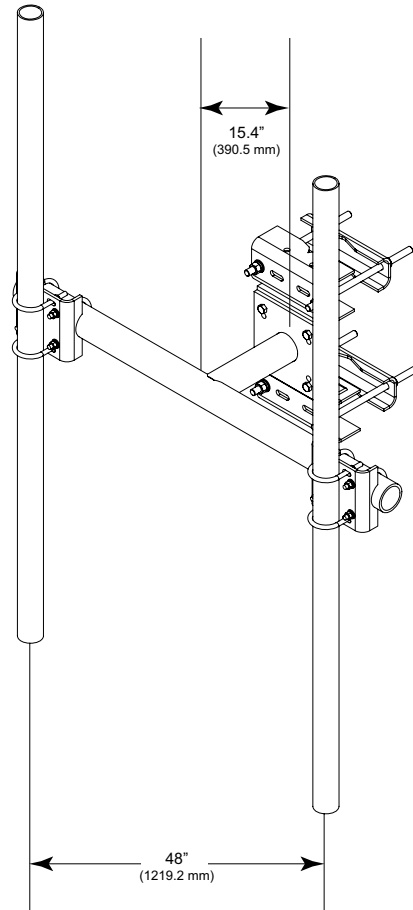
Part Number	Description	Weight, lb (kg)
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Universal Lattice Tower Base Kit Without Pipe Mounts		
SF-DPM-B	Dual Pipe Mount Base Kit.	150 (68.0)

Universal Lattice Tower Kit With 2-3/8" OD Antenna Mounting Pipes		
SF-DPM2-B	Dual Pipe Mount Base Kit. Pipes Ordered Separately	215 (97.5)
SF-DPM2-72	Two 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	255 (115.7)
SF-DPM2-96	Two 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	270 (122.5)
SF-DPM2-126	Two 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	290 (131.5)

Universal Lattice Tower Kit With 2-7/8" OD Antenna Mounting Pipes		
SF-DPM3-B	Dual Pipe Mount Base Kit. Pipes Ordered Separately	215 (97.5)
SF-DPM3-72	Two 2-7/8" OD x 72" (73 mm OD x 1.8 m)	285 (129.3)
SF-DPM3-96	Two 2-7/8" OD x 96" (73 mm OD x 2.4 m)	310 (140.6)
SF-DPM3-126	Two 2-7/8" OD x 126" (73 mm OD x 3.2 m)	340 (154.2)

Universal Lattice Tower Kit With 3-1/2" OD Antenna Mounting Pipes		
SF-DPM35-B	Dual Pipe Mount Base Kit. Pipes Ordered Separately	215 (97.5)
SF-DPM35-72	Two 3-1/2" OD x 72" (88.9 mm OD x 1.8 m)	305 (138.3)
SF-DPM35-96	Two 3-1/2" OD x 96" (88.9 mm OD x 2.4 m)	335 (152.0)
SF-DPM35-126	Two 3-1/2" OD x 126" (88.9 mm OD x 3.2 m)	375 (170.1)



Tower Applications

Microwave Components

Tower Face Mounts

- Application:** Lattice towers
- Size:** 8' (2.4 m), 14' (4.2 m), or 20' (6.1 m) face widths
- Design:** Pipe with saddle mounts and adjustable clamps
- Feature:** Universal taper adjustment for up to 9° of taper with 48" of separation
- Mounts to:** Straight or tapered legs up to 8" (203.2 mm) OD, 8" (203.2 mm) angle 60°, or 6" (152.4 mm) angle 90°
- Material:** Hot dip galvanized steel
- Includes:** Universal saddle mounts, slider brackets, pipe, crossover plates, hardware
- Order Separately:** Strut support kits, stand-off brackets

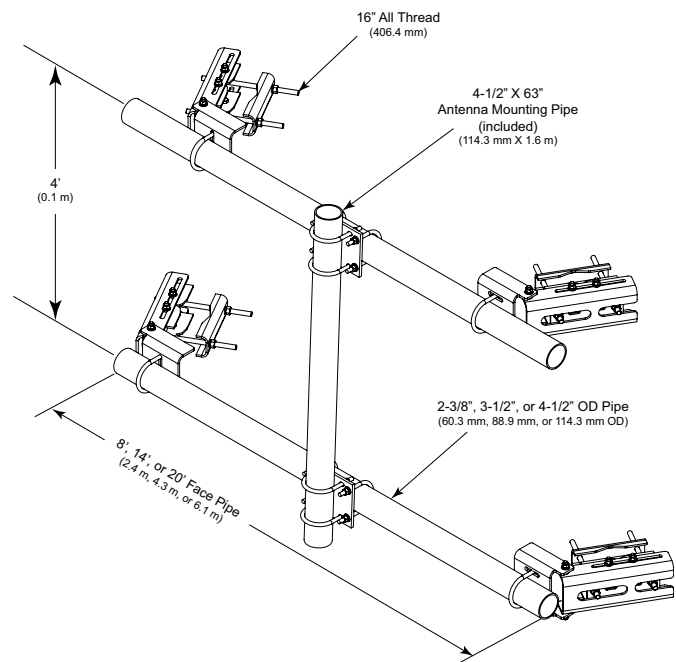


Part Number	Description	Weight, lb (kg)
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Tower Face Mounts, Includes 4-1/2" OD x 63" Antenna Pipe

TF-M2-8	Dual 8' x 2-3/8" OD Face Supports	380 (172.4)
TF-M2-14	Dual 14' x 2-3/8" OD Face Supports	430 (195.0)
TF-M2-20	Dual 20' x 2-3/8" OD Face Supports	475 (215.5)
TF-M3-8	Dual 8' x 3-1/2" OD Face Supports	455 (206.4)
TF-M3-14	Dual 14' x 3-1/2" OD Face Supports	555 (251.7)
TF-M3-20	Dual 20' x 3-1/2" OD Face Supports	605 (274.4)
TF-M4-8	Dual 8' x 4-1/2" OD Face Supports	515 (233.6)
TF-M4-14	Dual 14' x 4-1/2" OD Face Supports	600 (272.2)
TF-MB	Tower Face Mount Base Kit, Horizontal Support Pipes and Antenna Mounting Pipes Ordered Separately	150 (68.0)

Microwave Antenna Diameter	Tower Face Mount							
	TF-M2-8	TF-M2-14	TF-M2-20	TF-M3-8	TF-M3-14	TF-M3-20	TF-M4-8	TF-M4-14
2' (0.6 m)	X	X	X	X	X	X	X	X
4' (1.2 m)	X	X	X	X	X	X	X	X
6' (1.8 m)	X	-	-	X	X	X	X	X
8' (2.4 m)	-	-	-	X	X	X	X	X
10' (3.1 m)	-	-	-	X	X	X	X	X
12' (3.7 m)	-	-	-	X	X	-	X	X
15' (4.6 m)	-	-	-	-	-	-	X	-

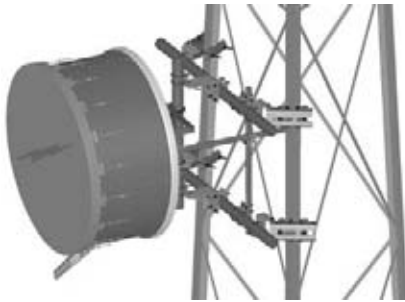


Tower Applications

Microwave Components

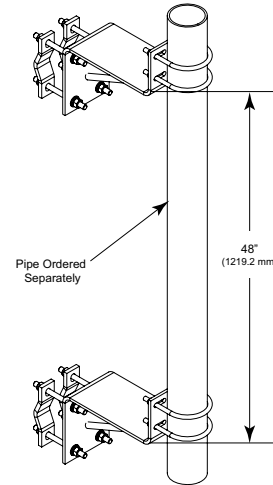
Tower Face Mount Stand-off Bracket

- Application:** Lattice towers
Size: 4-1/2" (114.3 mm) OD
Design: 4-1/2" (114.3 mm) OD pipe mount stand-off
Feature: 14" (355.6 mm) stand-off
Mounts to: Tower face mount kits
Material: Hot dip galvanized steel
Includes: Stand-off, attachment hardware
Order Separately: Tower face mount kit



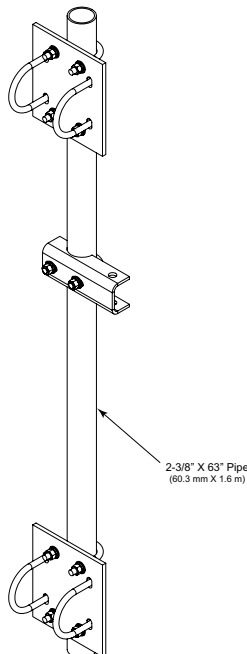
Part Number	Description	Weight, lb (kg)
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Tower Face Mount Stand-off Bracket		
TF-ST	14" (355.6 mm) Stand-off	65 (29.5)



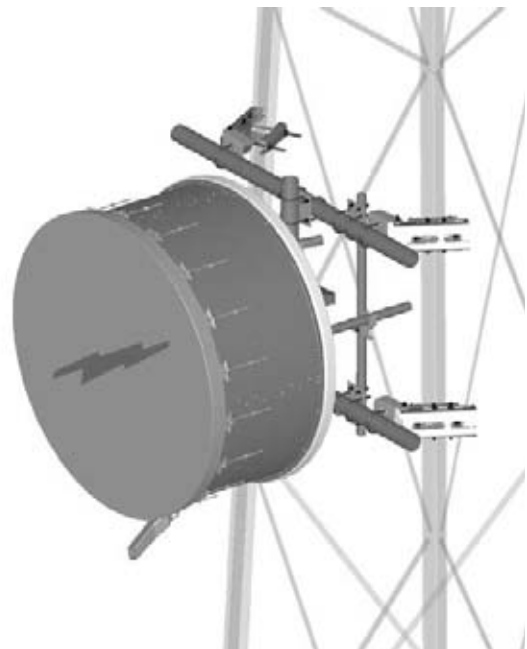
Tower Face Mount Strut Support Kits

- Application:** Lattice towers
Size: Three versions
Design: Pipe with crossover plates
Feature: Can be adjusted to mount anywhere on tower face mount
Mounts to: Tower face mount kits
Material: Hot dip galvanized steel
Includes: Plates, strut support, hardware, pipe
Order Separately: Tower face mount kit



Part Number	Description	Weight, lb (kg)
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Tower Face Mount Strut Support Kits, 2-3/8" OD x 63" Pipe		
TF-MSS-2	2-3/8" OD x 2-3/8" OD (60.3 mm x 60.3 mm)	42 (19.1)
TF-MSS-3	2-3/8" OD x 3-1/2" OD (60.3 mm x 88.9 mm)	44 (20.2)
TF-MSS-4	2-3/8" OD x 4-1/2" OD (60.3 mm x 114.3 mm)	48 (21.8)

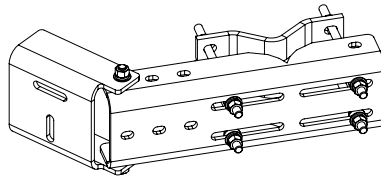
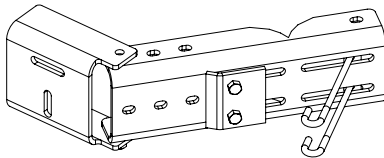


Tower Applications

Microwave Components

Microwave Strut Support

- Application:** Lattice towers
- Size:** 21" (533.4 mm) channel
- Design:** Universal support bracket
- Feature:** Universal strut attachment
- Mounts to:** Straight or tapered legs up to 8" (203.2 mm) OD, 8" (203.2 mm) angle 60°, or 6" (152.4 mm) angle 90°
- Material:** Hot dip galvanized steel
- Includes:** Support bracket, attachment hardware
- Order Separately:** Microwave strut pipe or angle, u-bolt



Part Number	Description	Weight, lb (kg)
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Microwave Strut Support

MD-CS	Round or 60° Angle Legs Up to 8" (203.2 mm), or 6" (152.4 mm) 90° Angle Legs	55 (24.9)
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Angle for Microwave Strut Support Bracket, 3-1/2" x 3-1/2" x 3/8"

MD-CSA4	4' (1.2 m) Angle for MD-CS	38 (17.3)
MD-CSA6	6' (1.8 m) Angle for MD-CS	57 (25.9)
MD-CSA8	8' (2.4 m) Angle for MD-CS	76 (34.5)

- 3-1/2" OD pipe ordered separately. See page 98.
- 3-1/2" U-bolts ordered separately. See page 104.

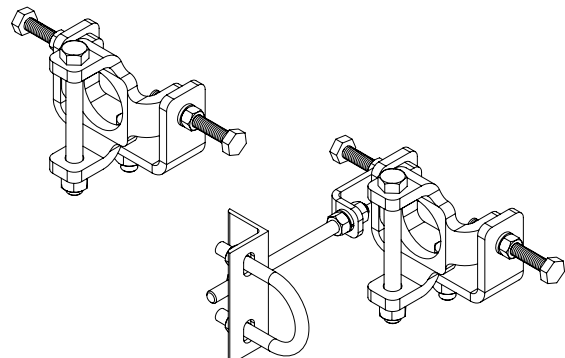
Microwave Antenna Strut Adjustment Bracket

- Application:** Lattice towers
- Size:** 2-3/8" (60.3 mm) OD
- Design:** Adjustable clamps
- Feature:** Allows for strut adjustment
- Mounts to:** 2-3/8" (60.3 mm) OD strut pipe
- Material:** Hot dip galvanized steel
- Includes:** Adjustable brackets, attachment hardware
- Order Separately:** Microwave strut

Part Number	Description	Weight, lb (kg)
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Microwave Antenna Strut Adjustable Bracket

MD-AK-2	Microwave Antenna Strut Adjustment Bracket for 2-3/8" OD Struts	16 (7.3)
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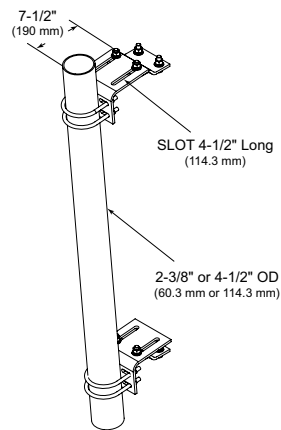


Tower Applications

Microwave Components

Universal Taper Pipe Mount Slider Brackets

Application:	Lattice towers
Size:	2-3/8" (60.3 mm) OD or 4-1/2" (114.3 mm) OD
Design:	Pipe with adjustable clamps
Feature:	Universal sliding bracket with up to 7° of taper
Mounts to:	Saddle mounts
Material:	Hot dip galvanized steel
Includes:	Sliding pipe mount bracket, hardware, with or without pipes
Order Separately:	Saddle mounts or pipe for base kits



Universal Sliding Pipe Mount Kits

Application:	Lattice towers
Size:	2-3/8" (60.3 mm) OD or 4-1/2" (114.3 mm) OD
Design:	Pipe with saddle mount and adjustable clamps
Feature:	Universal sliding bracket with up to 7° of taper
Mounts to:	Straight or tapered legs up to 8" (203.2 mm) OD, 8" (203.2 mm) angle 60°, or 6" (152.4 mm) angle 90°
Material:	Hot dip galvanized steel
Includes:	Universal saddle mount, sliding pipe mount brackets, with or without pipe
Order Separately:	Pipes for base kits

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222 at 150' AGL

**Typical installation of one 8' microwave antenna with stiff arm*

Part Number	Description	Weight, lb (kg)
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Universal Taper Pipe Mount Slider Brackets, 2-3/8" OD Pipe

PM-SL2	Pipe Ordered Separately, Kit of 2	30 (13.6)
PM-SL2-72	2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	51 (23.1)
PM-SL2-96	2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	64 (28.8)

Universal Taper Pipe Mount Slider Brackets, 4-1/2" OD Pipe

PM-SL4	Pipe Ordered Separately, Kit of 2	31 (14.2)
PM-SL4-63	4-1/2" OD x 63" (114.3 mm OD x 1.6 m)	88 (40.1)
PM-SL4-96	4-1/2" OD x 96" (114.3 mm OD x 2.4 m)	119 (54.1)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222 at 150' AGL

**Typical installation of one 8' microwave antenna with stiff arm*

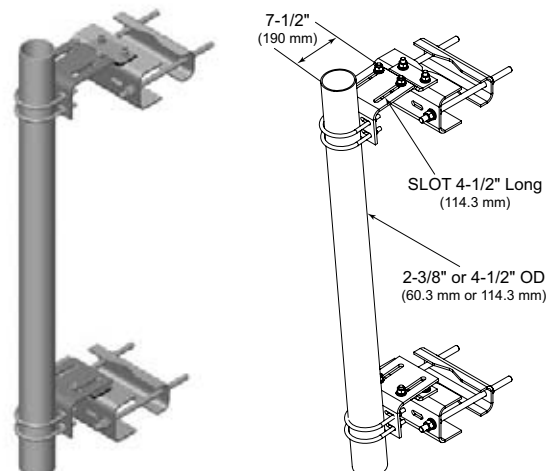
Part Number	Description	Weight, lb (kg)
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Universal Sliding Pipe Mount Kits, 2-3/8" OD Pipe

PM-SU2-B	Base Kit, Order Pipe Separately, Kit of 2	80 (32.3)
PM-SU2-72	2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	101 (45.8)
PM-SU2-96	2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	114 (51.7)

Universal Sliding Pipe Mount Kits, 4-1/2" OD Pipe

PM-SU4-B	Base Kit, Order Pipe Separately, Kit of 2	81 (36.8)
PM-SU4-63	4-1/2" OD x 63" (114.3 mm OD x 1.6 m)	138 (62.6)
PM-SU4-96	4-1/2" OD x 96" (114.3 mm OD x 2.4 m)	169 (76.7)



Tower Applications

Mounting Components

Stand-off Brackets

- Application:** Lattice towers
- Size:** 24" (0.6 m) to 72" (1.8 m) stand-off
- Design:** One-piece welded stand-off
- Feature:** Ideal for omni antennas
- Mounts to:** Straight or tapered legs up to 3-1/2" (88.9 mm) OD, clamps included
- Material:** Hot dip galvanized steel
- Includes:** Stand-off and clamps
- Order Separately:** Adapter clamp sets if required



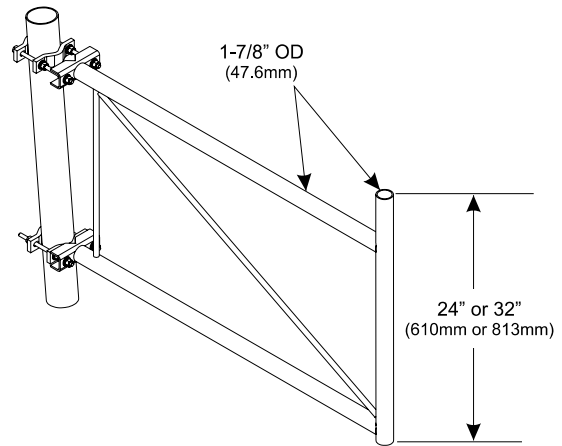
Part Number	Description	Weight, lb (kg)
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Stand-off Bracket With Antenna Mounting Pipe

S-200	24" (0.6 m) With 24" Mounting Pipe	22 (9.9)
S-300	36" (0.9 m) With 24" Mounting Pipe	28 (12.5)
S-400	48" (1.2 m) With 32" Mounting Pipe	41 (18.6)
S-500	60" (1.5 m) With 32" Mounting Pipe	47 (21.5)
S-600	72" (1.8 m) With 32" Mounting Pipe	54 (24.5)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222 at 150' AGL

**Typical installation of one 20' omni antenna*



Adapter Clamp Sets For Stand-off Brackets

- Application:** Lattice towers
- Design:** Adapts stand-off brackets to larger tower members
- Feature:** See description
- Mounts to:** Tower member (See description)
- Material:** Hot dip galvanized steel
- Includes:** Half clamps and threaded rod
- Order Separately:** Stand-off bracket

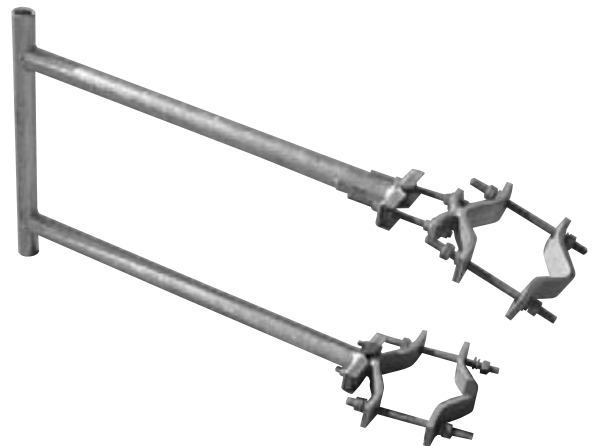
Part Number	Description	Weight, lb (kg)
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Adapter Clamp Set for Vertical or Tapered Tower Legs. Kit of 2

MS-SB50	4" to 9" OD (101.6 mm to 228.6 mm OD)	21 (9.5)
LS-SB50	8" to 16" OD (203.2 mm to 406.4 mm OD)	40 (18.1)

Adapter Clamp Set For Up To 6-1/2" (165.1 mm) Angle Legs. Kit of 2

AD-P60-SCP	60° Angle Legs, Also for Tapered Legs	25 (11.3)
AD-P90-SCP	90° Angle Legs, Also for Tapered Legs	25 (11.3)

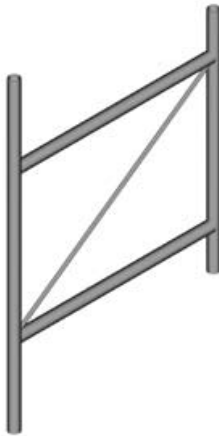


Tower Applications

Mounting Components

Panel Antenna Stand-off Brackets

Application:	Lattice towers
Size:	12" to 48" (0.3 m to 1.2 m)
Design:	One-piece welded stand-off
Feature:	Solution for panel antennas
Mounts to:	Tower member (See description)
Material:	Hot dip galvanized steel
Includes:	Stand-off only
Order Separately:	Pipe-to-pipe clamps



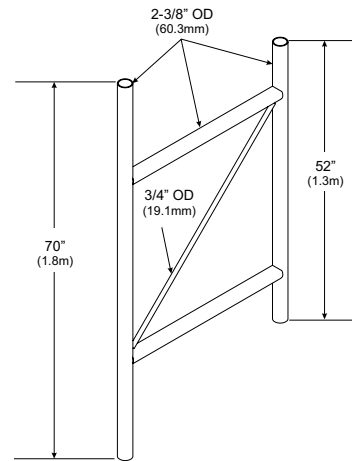
Part Number	Description	Weight, lb (kg)
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Panel Antenna Stand-off Bracket

P-100	12" (0.3 m)	42 (19.0)
P-200	24" (0.6 m)	54 (24.3)
P-300	36" (0.9 m)	62 (28.1)
P-400	48" (1.2 m)	70 (31.9)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222 at 150' AGL

**Typical installation of one 72" x 8" panel antenna per sector*



Heavy Duty Stand-off Brackets

Application:	Lattice towers
Size:	48" (1.2 m) or 72" (1.8 m)
Design:	One-piece welded stand-off
Feature:	Heavy duty stand-off
Mounts to:	Tower member
Material:	Hot dip galvanized steel
Includes:	Stand-off only
Order Separately:	Pipe-to-pipe clamps and optional stiff arm



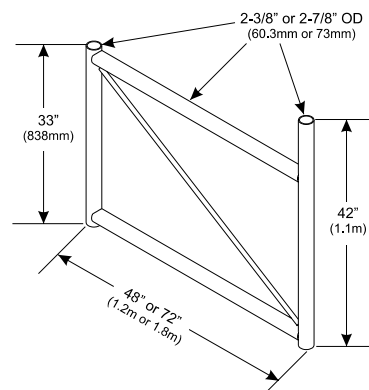
Part Number	Description	Weight, lb (kg)
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Heavy Duty Stand-off Bracket

HS-400	48" (1.2 m) Stand-off 2-3/8" OD x 42" (60.3 mm OD x 1.1 m) Antenna Mounting Pipe	56 (25.3)
HS-600	72" (1.8 m) Stand-off 2-7/8" OD x 42" (73 mm OD x 1.1 m) Antenna Mounting Pipe	107 (48.7)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222 at 150' AGL

**Typical installation of one 72" x 8" panel antenna per sector*



Tower Applications

Mounting Components

Dish Stand-off Bracket

Application: Lattice towers

Size: 24" (0.6 m) stand-off

Design: One-piece welded stand-off

Feature: 2-7/8" (73 mm) OD pipe for microwave antennas

Mounts to: Straight or tapered legs up to 3-1/2" (88.9 mm) OD

Material: Hot dip galvanized steel

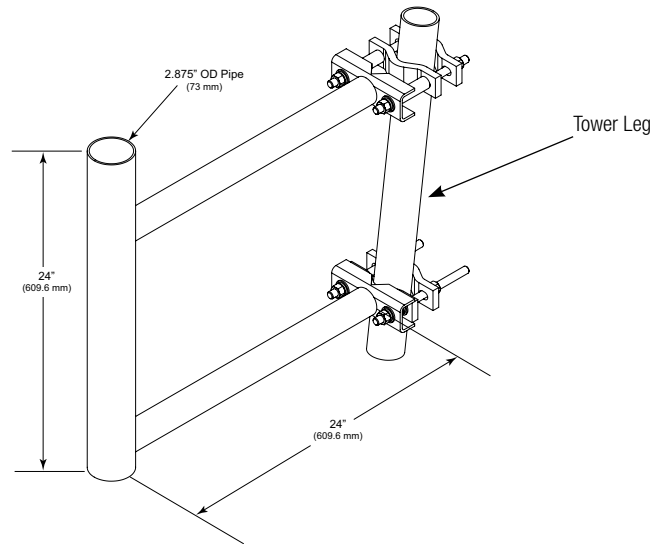
Includes: Stand-off and clamps

Order Separately: Larger clamp sets

Part Number	Description	Weight, lb (kg)
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Dish Stand-off Bracket

DM-100	24" (0.6 m) Stand-off Bracket	31 (14.3)
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Stiff Arm Kits

Application: Antenna mounting

Size: 10'-6" (3.2 m) or 12'-6" (3.8 m) long

Design: Universal adjustable, rotatable attachment

Feature: Mounts to tower members up to 8" (203.2 mm) OD

Mounts to: Round and angle legs

Material: Hot dip galvanized steel

Includes: Attachment hardware

Order Separately: Pipes or base kits

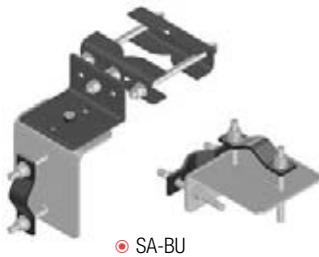
Part Number	Description	Weight, lb (kg)
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Stiff Arm Bracket, Pipes Ordered Separately

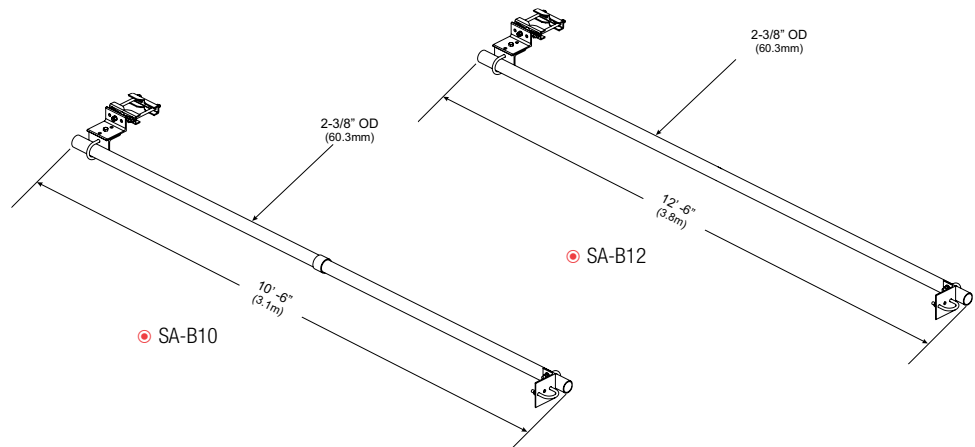
SA-B	Stiff Arm Mount Bracket for 2-3/8" (60.3 mm) OD Pipe, up to 4-1/2" (114.3 mm) Tower Legs	13 (6.1)
SA-BL	Stiff Arm Mount Bracket for 2-3/8" (60.3 mm) OD Pipe, up to 8" (203.2 mm) Tower Legs	20 (9.1)
SA-BU	Universal Stiff Arm Mount Bracket for 1-1/4" to 3-1/2" (31.8 mm to 88.9 mm) OD Pipe, up to 4-1/2" (114.3 mm) Tower Legs	20 (9.1)

Stiff Arm Kits, Up to 4-1/2" Tower Legs

SA-B10	Stiff Arm Bracket, With Two Threaded 2-3/8" OD x 63" (60.3 mm OD x 1.6 m) Pipes	53 (24.1)
SA-B12	Stiff Arm Bracket, With 2-3/8" OD x 12'-6" (60.3 mm OD x 3.8 m) Pipe	60 (27.1)



SA-BU



SA-B10

SA-B12

Tower Applications

Mounting Components

Pipe-to-pipe Clamps

Application:	Antenna mounting
Design:	Light weight 1/4" half-clamp set or 1/2" heavy duty half-clamp sets
Feature:	Versatile parallel connections
Mounts to:	See description
Material:	Hot dip galvanized steel
Includes:	Half clamps and threaded rod
Order Separately:	Pipe or stand-off brackets



Part Number	Description	Weight, lb (kg)
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Pipe-to-pipe Clamp, Kit of 2

BC-20-10	Joins Two 1-1/2" OD to 3-1/2" OD (38.1 mm OD to 88.9 mm OD) Round Members, 1/2" x 10" (12.7 mm x 254 mm) Threaded Rod	8 (3.6)
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Pipe-to-pipe Clamp, Heavy Duty, Kit of 2

BC-30-10	Joins Two 1-1/2" OD to 3-1/2" OD (38.1 mm OD to 88.9 mm OD) Round Members, 1/2" x 10" (12.7 mm x 254 mm) Threaded Rod	12 (5.4)
BC-35-14	Joins Two 2-3/8" OD to 5" OD (60.3 mm OD to 127 mm OD) Round Members, 5/8" x 14" (15.9 mm x 0.4 m) Threaded Rod	27 (12.2)
BC-40-16	Joins Two 4" OD to 9" OD (101.6 mm OD to 228.6 mm OD) Round Members, 5/8" X 16" (15.9 mm x 0.4 m) Threaded Rod	36 (16.3)

Welded Pipe-to-pipe Clamps

Application:	Antenna mounting
Design:	Welded half-clamp
Feature:	Heavy duty parallel connections
Mounts to:	See description
Material:	Hot dip galvanized steel
Includes:	Half clamps, threaded rod
Order Separately:	Pipe or stand-off brackets



Part Number	Description	Weight, lb (kg)
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Welded Pipe-to-pipe Clamp, Heavy Duty, Kit of 2

BB-S10-10	Joins Two 1-1/2" OD to 3-1/2" OD (38.1 mm OD to 88.9 mm OD) Round Members. 1/2" x 10" (12.7 mm x 254.0 mm) Threaded Rod.	13 (5.9)
BB-S20-14	Joins Two 2-3/8" OD to 5" OD (60.3 mm OD to 127.0 mm OD) Round Members. 5/8" x 14" (15.9 mm x 0.4 m) Threaded Rod.	27 (12.2)

Tower Applications

Mounting Components

Pipe-to-Pipe Adapters

Application:	Antenna mounting
Design:	Welded half-clamp
Feature:	Straight and tapered versions
Mounts to:	See description
Material:	Hot dip galvanized steel
Includes:	Half clamps and threaded rod
Order Separately:	Pipe or stand-off brackets



Part Number	Description	Weight, lb (kg)
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Pipe-to-Pipe Adapters for Vertical Members. Kit of 2.

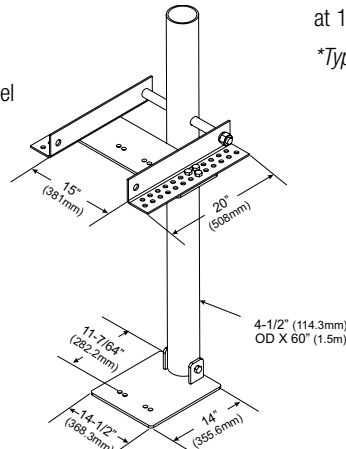
AB-S50	Adapts 1-1/2" to 3-1/2" OD (38.1 mm to 88.9 mm OD) Pipe to 2-3/8" to 5" OD (60.3 mm to 127.0 mm OD) Pipe	18 (8.2)
MS-100	Adapts 1-1/2" to 3-1/2" OD (38.1 mm to 88.9 mm OD) Pipe to 4" to 9" OD (101.6 mm to 228.6 mm OD) Pipe	25 (11.3)
JS-S100	Adapts 2-3/8" to 4" OD (60.3 mm to 101.6 mm OD) Pipe to 4" to 9" OD (101.6 mm to 228.6 mm OD) Pipe	32 (14.5)
LS-100	Adapts 1-1/2" to 3-1/2" OD (38.1 mm to 88.9 mm OD) Pipe to 8" to 16" OD (203.2 mm to 0.4 m OD) Pipe	43 (19.5)
LM-100	Adapts 4" to 9" OD (101.6 mm to 228.6 mm OD) Pipe to 8" to 16" OD (203.2 mm to 0.4 m OD) Pipe	53 (24.1)

Pipe-to-Pipe Adapters for Tapered Members. Kit of 2.

AB-S50-SSH	Adapts 1-1/2" to 3-1/2" OD (38.1 mm to 88.9 mm OD) Pipe to 2-3/8" to 5" OD to 127.0 mm OD) Pipe	28 (12.7)
MS-100-SSH	Adapts 1-1/2" to 3-1/2" OD (38.1 mm to 88.9 mm OD) Pipe to 4" to 9" OD (101.6 mm to 228.6 mm OD) Pipe	35 (15.9)
JS-S100-SSH	Adapts 2-3/8" to 4" OD (60.3 mm to 101.6 mm OD) Pipe to 4" to 9" OD (101.6 mm to 228.6 mm OD) Pipe	40 (18.1)
LS-100-SSH	Adapts 1-1/2" to 3-1/2" OD (38.1 mm to 88.9 mm OD) Pipe to 8" to 16" OD (203.2 mm to 0.4 m OD) pipe	55 (24.9)
LM-100-SSH	Adapts 4" to 9" OD (101.6 mm to 228.6 mm OD) Pipe to 8" to 16" OD (203.2 mm to 0.4 m OD) Pipe	66 (29.9)

Universal Adjustable Taper Pipe Mount

Application:	Lattice towers
Size:	4-1/2" OD x 60" (114.3 mm OD x 1.5 m)
Design:	Mount with pre-punched adjustment braces
Feature:	Up to 20° tilt
Mounts to:	Saddle mounts
Material:	Hot dip galvanized steel
Includes:	Pipe mount
Order Separately:	Saddle mount



Part Number	Description	Weight, lb (kg)
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Universal Adjustable Taper Pipe Mount

PM-AT412-60	4-1/2" OD x 60" (114.3 mm OD x 1.5 m)	125 (56.7)
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Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222 at 150' AGL

**Typical installation of one 6' microwave antenna with stiff arm*

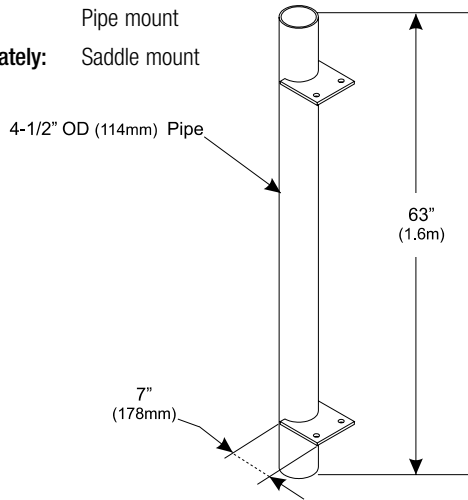


Tower Applications

Mounting Components

Pipe Mounts

- Application:** Lattice towers
- Size:** 4-1/2" (114.3 mm) OD
- Design:** Pipe with standard or tapered welded tab
- Feature:** Facilitates antenna mounting
- Mounts to:** Saddle mounts
- Material:** Hot dip galvanized steel
- Includes:** Pipe mount
- Order Separately:** Saddle mount

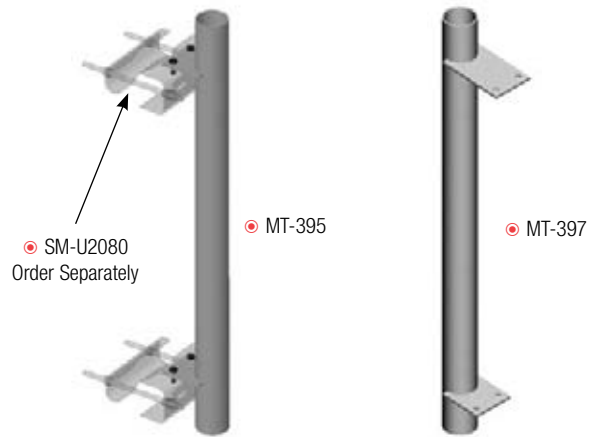


Part Number Description Weight, lb (kg)

Pipe Mount, 4-1/2" OD x 63" (114.3 mm OD x 1.6 m)		
MT-395	Standard Pipe Mount	65 (29.3)
MT-397	Tapered Pipe Mount	66 (30.0)

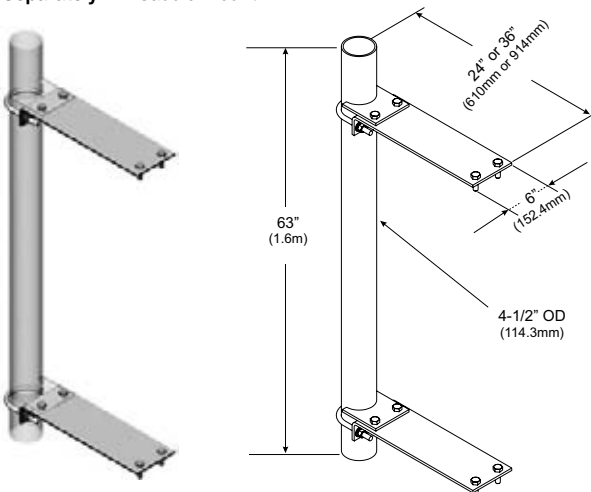
Wind Rating*: 90 mph (BWS) per latest revision of TIA/EIA-222 at 150' AGL

**Typical installation of one 6' microwave antenna with stiff arm*



Stand-off Pipe Mount

- Application:** Lattice towers
- Size:** 4-1/2" (114.3 mm) OD
- Design:** 4-1/2" (114.3 mm) OD pipe mount with stand-off
- Feature:** 24" (0.6 m) or 36" (0.9 m) stand-off
- Mounts to:** Saddle mounts
- Material:** Hot dip galvanized steel
- Includes:** Pipe mount
- Order Separately:** Saddle mount



Part Number Description Weight, lb (kg)

Stand-off Pipe Mount, 4-1/2" OD x 63" (114.3 mm OD x 1.6 m)		
PM-XT-24	24" (0.6 m) Stand-off	107.88 (48.93)
PM-XT-36	36" (0.9 m) Stand-off	128.45 (58.26)

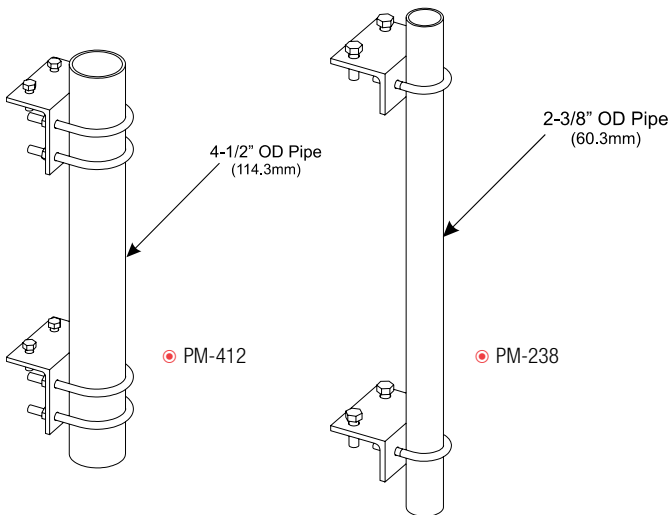


Tower Applications

Mounting Components

Adjustable Pipe Mount Kits

Application:	Lattice towers
Size:	2-3/8" (60.3 mm) or 4-1/2" (114.3 mm) OD
Design:	Pipe with adjustable mounting bracket
Feature:	Straight mounts
Mounts to:	Saddle mounts
Material:	Hot dip galvanized steel
Includes:	Pipe, bracket, and hardware
Order Separately:	Saddle mount



Part Number	Description	Weight, lb (kg)
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Adjustable Pipe Mount Kits, 2-3/8" (60.3 mm) OD

PM-238-48	48" (1.2 m)	14 (6.4)
PM-238-72	72" (1.8 m)	21 (9.5)
PM-238-84	84" (2.1 m)	26 (11.8)
PM-238-96	96" (2.4 m)	34 (15.2)

Adjustable Pipe Mount Kits, 4-1/2" (114.3 mm) OD

PM-412-48	48" (1.2 m)	44 (20.0)
PM-412-63	63" (1.6 m)	57 (25.9)
PM-412-96	96" (2.4 m)	88 (39.9)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222 at 150' AGL

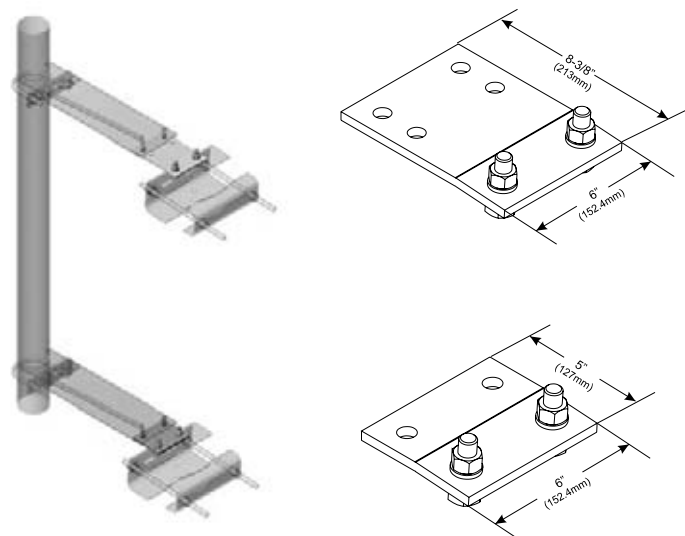
*Typical installation of one 96" x 8" panel antenna per pipe mount

Pipe Mount Taper Kit

Application:	Lattice towers
Design:	3/8" (9.525 mm) flat bar steel
Feature:	Accommodates 1:12 and 1:20 taper
Mounts to:	Saddle mount
Material:	Hot dip galvanized steel
Includes:	Plates and hardware
Order Separately:	Pipe mount

Part Number	Description	Weight, lb (kg)
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PM-TK	Pipe Mount Taper Kit	9 (4.2)
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Tower Applications

Mounting Components

Universal Saddle Mounts

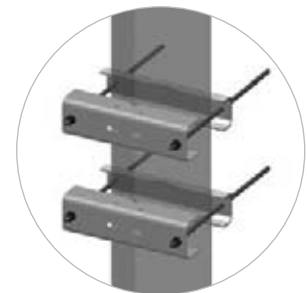
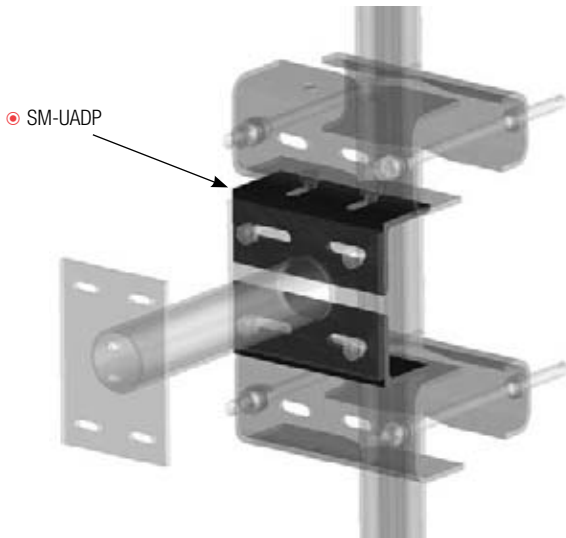
- Application:** Lattice towers
- Size:** Three versions
- Design:** Two piece formed saddle
- Feature:** Universal mounting design for round and angled legs, face allows 2-3/8" (60.3 mm) or 4-1/2" (114.3 mm) pipes to be bolted directly to unit
- Mounts to:** Tower member (see description)
- Material:** Hot dip galvanized steel
- Includes:** Mount
- Order Separately:** Pipe mount

Part Number	Description	Weight, lb (kg)
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Universal Saddle Mount, for Straight or Tapered Legs		
SM-U2080	Up to 8" (203.2 mm) OD, 8" (203.2 mm) Angle 60°, or 6" (152.4 mm) Angle 90°, Kit of 2	50 (22.7)
SM-U2016	Up to 16" (406.4 mm) OD, 16" (406.4 mm) Angle 60°, or 12" (304.8 mm) Angle 90°, Kit of 2	93 (42.2)

Universal Angle Saddle Mount		
SM-UT1012	12" (304.8 mm) Triangular Legs and 10" to 12" (254.0 mm to 304.8 mm) Angle Members, Kit of 2	80 (36.3)

Pipe Adapter Kit for Universal Saddle Mounts		
SM-UADP	Kit of 2, Order U-bolts Separately	18 (8.2)

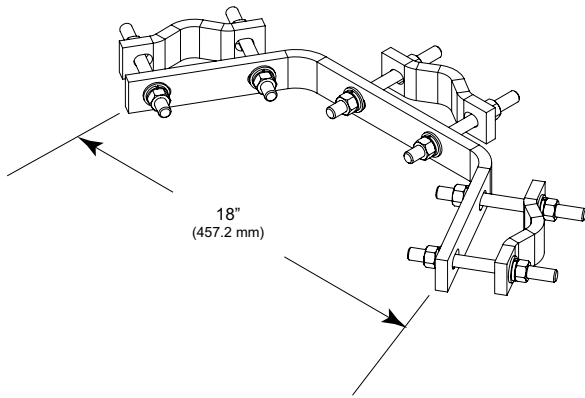


Tower Applications

Mounting Components

Double Antenna Clamp

- Application:** Antenna mounting
Size: 18" (457.2 mm) wide
Design: Double pipe-to-pipe clamp
Feature: Converts pipe to accept two antennas
Mounts to: 1-1/2" to 3-1/2" (38.1 mm to 88.9 mm) OD
Material: Hot dip galvanized steel
Includes: Clamp assembly
Order Separately: 1-1/2" to 3-1/2" (38.1 mm to 88.9 mm) OD pipe



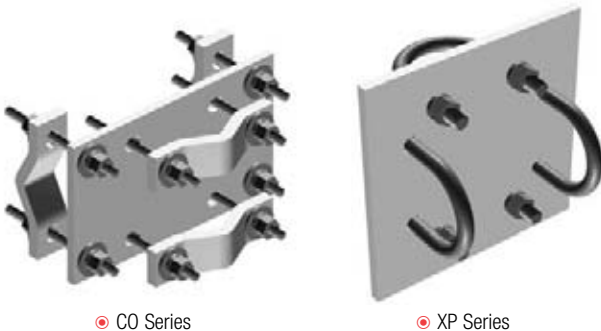
Part Number	Description	Weight, lb (kg)
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Double Antenna Clamp		
DA-C200	Double Antenna Clamp, Kit of 2	23 (10.4)



Crossover Plates

- Application:** Antenna mounting
Design: U-bolt and half-clamp styles
Feature: Allows pipe intersections
Mounts to: Round member
Material: Hot dip galvanized steel
Includes: Plate and u-bolts or clamps
Order Separately: Pipe



Part Number	Description	Weight, lb (kg)
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U-Bolt Style Crossover Plate		
XP-2020	2-3/8" OD to 2-3/8" OD (60.3 mm OD to 60.3 mm OD) Round Members	10 (4.5)
XP-2030	2-3/8" OD to 3-1/2" OD (60.3 mm OD to 88.9 mm OD) Round Members	10 (4.5)
XP-2040	2-3/8" OD to 4-1/2" OD (60.3 mm OD to 114.3 mm OD) Round Members	11 (5.0)
XP-3030	3-1/2" OD to 3-1/2" OD (88.9 mm OD to 88.9 mm OD) Round Members	12 (5.4)
XP-3040	3-1/2" OD to 4-1/2" OD (88.9 mm OD to 114.3 mm OD) Round Members	14 (6.5)
XP-4040	4-1/2" OD to 4-1/2" OD (114.3 mm OD to 114.3 mm OD) Round Members	15 (6.9)

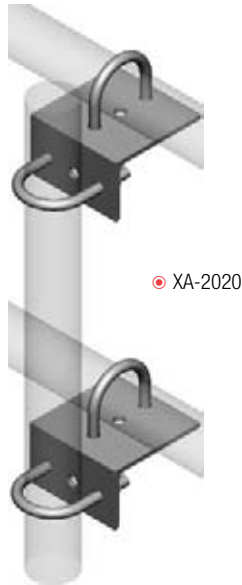
Clamp Style Crossover Plate		
CO-100	Joins Two 1-1/2" OD to 3-1/2" OD (38.1 mm OD to 88.9 mm OD) Round Members	16 (7.3)
CO-200	Joins Two 2" OD to 5" OD (50.8 mm OD to 127 mm OD) Round Members	29 (13.2)
CO-400	Joins 2" to 5" OD (50.8 mm to 127 mm OD) to 4" to 9" OD (101.6 mm to 228.6 mm OD) Round Members	30 (13.6)
CO-78	Joins Two 7/8" OD to 2-3/8" OD (31.8 mm OD to 60.3 mm OD) Round Members	16 (7.3)

Tower Applications

Mounting Components

Crossover Angle

Application:	Antenna mounting
Size:	Two versions
Design:	Crossover angle
Feature:	Allows pipe intersections
Mounts to:	2" to 3-1/2" (50.8 to 88.9 mm) OD pipe
Material:	Hot dip galvanized steel
Includes:	Angle and u-bolts
Order Separately:	Pipe



● XA-2020

Part Number	Description	Weight, lb (kg)
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Crossover Angle

XA-2020	Crossover Angle, 2-3/8" OD to 2-3/8" OD (60.3 mm OD to 60.3 mm OD), Kit of 2	4 (1.8)
XA-U	Universal Crossover Angle, 2" to 3-1/2" OD to 2" to 3-1/2" OD. Kit of 2	5 (2.3)

Crossover Clamps

Application:	Antenna mounting
Size:	Four versions
Design:	Welded half-clamp
Feature:	Allows pipe intersections
Mounts to:	See description
Material:	Hot dip galvanized steel
Includes:	Half clamps and threaded rod
Order Separately:	Pipe



Part Number	Description	Weight, lb (kg)
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Crossover Clamp

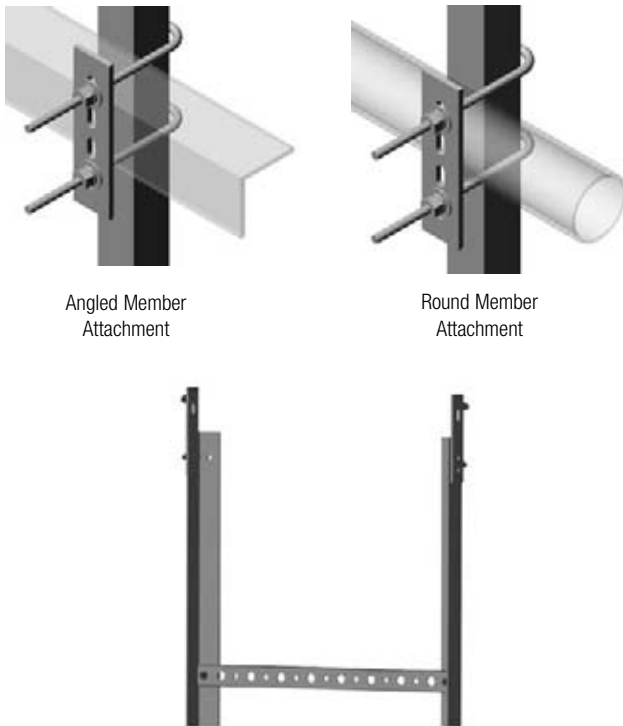
CC-100	Joins Two 1-1/2" to 2-1/2" OD (38.1 mm to 63.5 mm OD) Round Members	6 (2.7)
CC-100-6	Joins Two 2-1/2" to 3-1/2" OD (63.5 mm to 88.9 mm OD) Round Members	6 (2.7)
CC-215	Joins 1-1/2" to 2-1/2" OD (38.1 mm to 63.5 mm OD) Pipe to 2-3/8" to 5" OD (60.3 mm to 127.0 mm OD) Pipe	9 (4.1)
CC-215-6	Joins 2-1/2" to 3-1/2" OD (63.5 mm to 88.9 mm OD) Pipe to 2-3/8" to 5" OD (60.3 mm to 127.0 mm OD) Pipe	9 (4.1)

Tower Applications

Coaxial Cable Support Components

Universal Cable Ladder Kits

Application:	Lattice towers
Size:	10' (3 m) and 20' (6 m) in three widths
Design:	Angle rails with bolt-on channel rungs
Feature:	Complete ladder kit
Mounts to:	Round and angle legs
Material:	Hot dip galvanized steel
Includes:	Ladder, splice plates, and attachment kits



Part Number	Description	Weight, lb (kg)
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10' (3 m) Universal Cable Ladder Kits

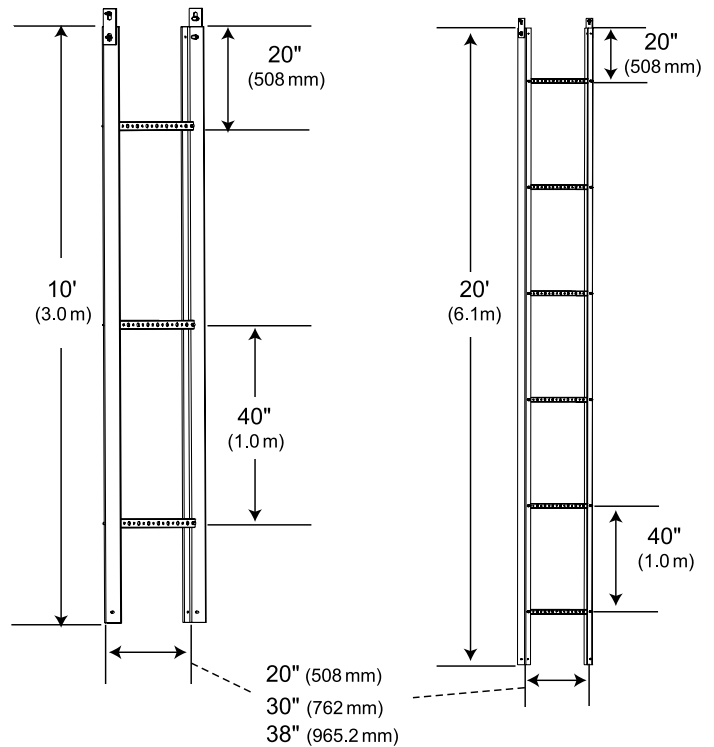
Includes Universal Hardware Kit for Round and Angle Members

CL-0610-U	20" Wide (355.6 mm), 6-Hole Rung	57 (25.9)
CL-0910-U	30" Wide (762 mm), 9-Hole Rung	59 (27.0)
CL-1210-U	38" Wide (1 m), 12-Hole Rung	62 (28.0)

20' (6 m) Universal Cable Ladder Kits

Includes Universal Hardware Kit for Round and Angle Members.

CL-0620-U	20" Wide (355.6 mm), 6-Hole Rung	112 (50.8)
CL-0920-U	30" Wide (762 mm), 9-Hole Rung	117 (52.9)
CL-1220-U	38" Wide (1 m), 12-Hole Rung	121 (55.1)



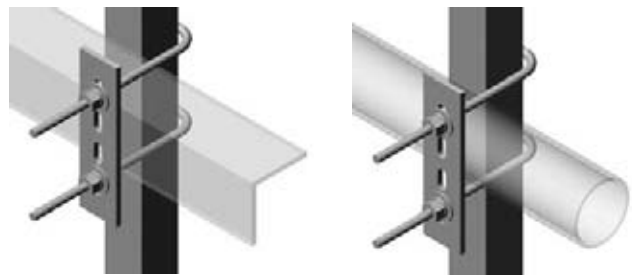
Universal Cable Ladder Hardware Kit

Application:	Lattice towers
Size:	1" to 4-1/2" (25.4 mm to 114.3 mm) round or angle members
Design:	One piece plate
Feature:	Universal attachment plate
Mounts to:	1" to 4-1/2" (25.4 mm to 114.3 mm) round and angle legs
Material:	Hot dip galvanized steel
Includes:	Plate and J-bolts
Order Separately:	Cable ladder

Part Number	Description	Wt. lb (kg)
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Universal Cable Ladder Hardware Kit

HK-CL-U	1" to 4-1/2" (25.4 mm to 114.3 mm) Round or Angle Members	4 (1.7)
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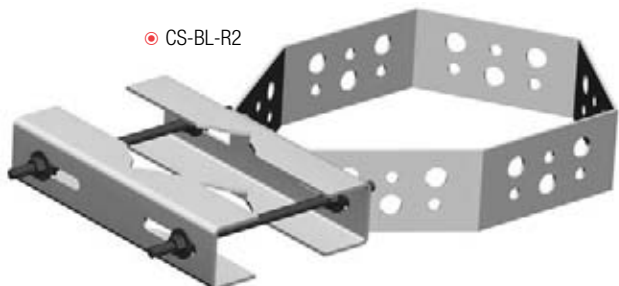
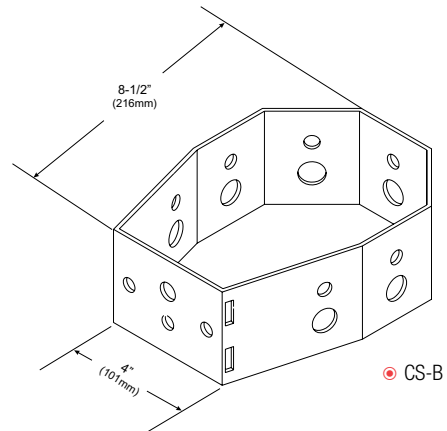
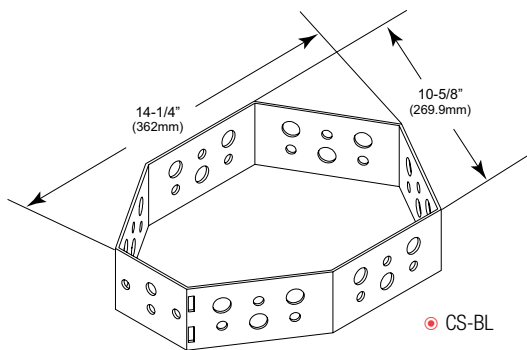
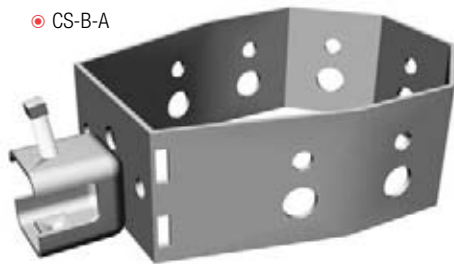


Tower Applications

Coaxial Cable Support Components

Cluster Support Brackets

Application:	Lattice tower
Size:	3/4" (19.1 mm) and 7/16" (11.1 mm) holes
Design:	Small and large versions
Feature:	Oval design maximizes capacity
Mounts to:	Available with or without mounting hardware
Material:	Hot dip galvanized steel
Includes:	Bracket
Order Separately:	U-bolts or wall anchors



Part Number	Description	Weight, lb (kg)
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Cluster Support Brackets

CS-B	Cluster Support Bracket	3 (1.4)
CS-B-R2	2" to 5" (50.8 mm to 127.0 mm) OD Round Member Attachment	7 (3.2)
CS-B-R6	6" to 8" (152.4 mm to 203.2 mm) OD Round Member Attachment	8 (3.6)
CS-B-2	U-bolt for 2-3/8" (60.3 mm) OD Round Member Attachment	4 (1.8)
CS-B-A	Angle Member Attachment	4 (1.8)

Large Cluster Support Brackets

CS-BL	Cluster Support Bracket, Large Version	4 (1.8)
CS-BL-R2	2" to 5" (50.8 mm to 127.0 mm) OD Round Member Attachment	8 (3.6)
CS-BL-R6	6" to 8" (152.4 mm to 203.2 mm) OD Round Member Attachment	9 (4.1)
CS-BL-2	U-bolt for 2-3/8" (60.3 mm) OD Round Member Attachment	5 (2.3)
CS-BL-A	Angle Member Attachment	5 (2.3)

Tower Applications

Coaxial Cable Support Components

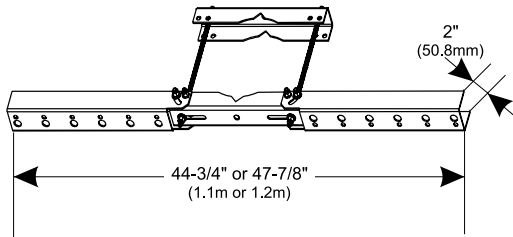
Star Support Brackets

Application:	Lattice towers
Size:	3/4" (19.1 mm) and 7/16" (11.1 mm) holes
Design:	Bolt together stand-off mount
Feature:	Six or twelve hole solution
Mounts to:	Round and angle members
Material:	Hot dip galvanized steel
Includes:	Bracket



● SS-2FB Series

● SS-1FB Series



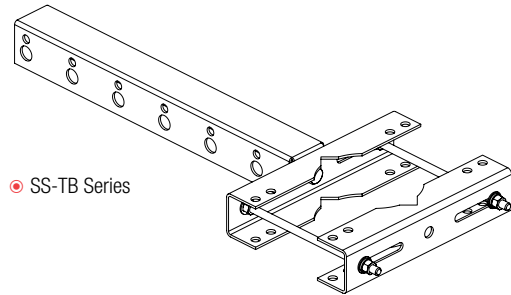
Part Number	Description	Weight, lb (kg)
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Star Star Support Tee Bracket

SS-TB2550	1-1/2" to 5-9/16" OD (38.1 mm to 141.3 mm OD) Round Members and 2-1/2" to 5" (63.5 mm to 127 mm) Angle Members	8 (3.6)
SS-TB6080	4" to 10-3/4" OD (101.6 mm to 273.1 mm OD) Round Members and 4" to 8" (101.6 mm to 203.2 mm) Angle Members	10 (4.5)

Star Support Single Face Bracket

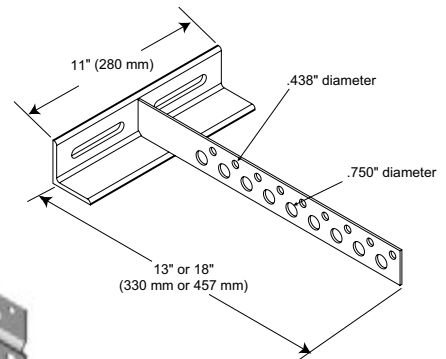
SS-1FB2550	1-1/2" to 5-9/16" OD (38.1 mm to 141.3 mm OD) Round Members and 2-1/2" to 5" (63.5 mm to 127 mm) Angle Members	8 (3.6)
SS-1FB6080	4" to 10-3/4" OD (101.6 mm to 273.1 mm OD) Round Members and 4" to 8" (101.6 mm to 203.2 mm) Angle Members	10 (4.5)
SS-2FB2550	1-1/2" to 5-9/16" OD (38.1 mm to 141.3 mm OD) Round Members and 2-1/2" to 5" (50.8 mm to 127 mm) Angle Members	11 (5.0)
SS-2FB6080	4" to 10-3/4" OD (101.6 mm to 273.1 mm OD) Round Members and 4" to 8" (101.6 mm to 203.2 mm) Angle Members	13 (5.9)



● SS-TB Series

Waveguide Stand-off Brackets

Application:	Lattice tower
Design:	Welded "T" style bracket
Feature:	3/4" (19.1 mm) and 7/16" (11.1 mm) holes
Mounts to:	Tower legs up to 4-1/2" OD, leg gussets or wall applications
Material:	Hot dip galvanized steel
Includes:	Bracket
Order Separately:	U-bolts, mounting bolts, or wall anchors



Part Number	Description	Weight, lb (kg)
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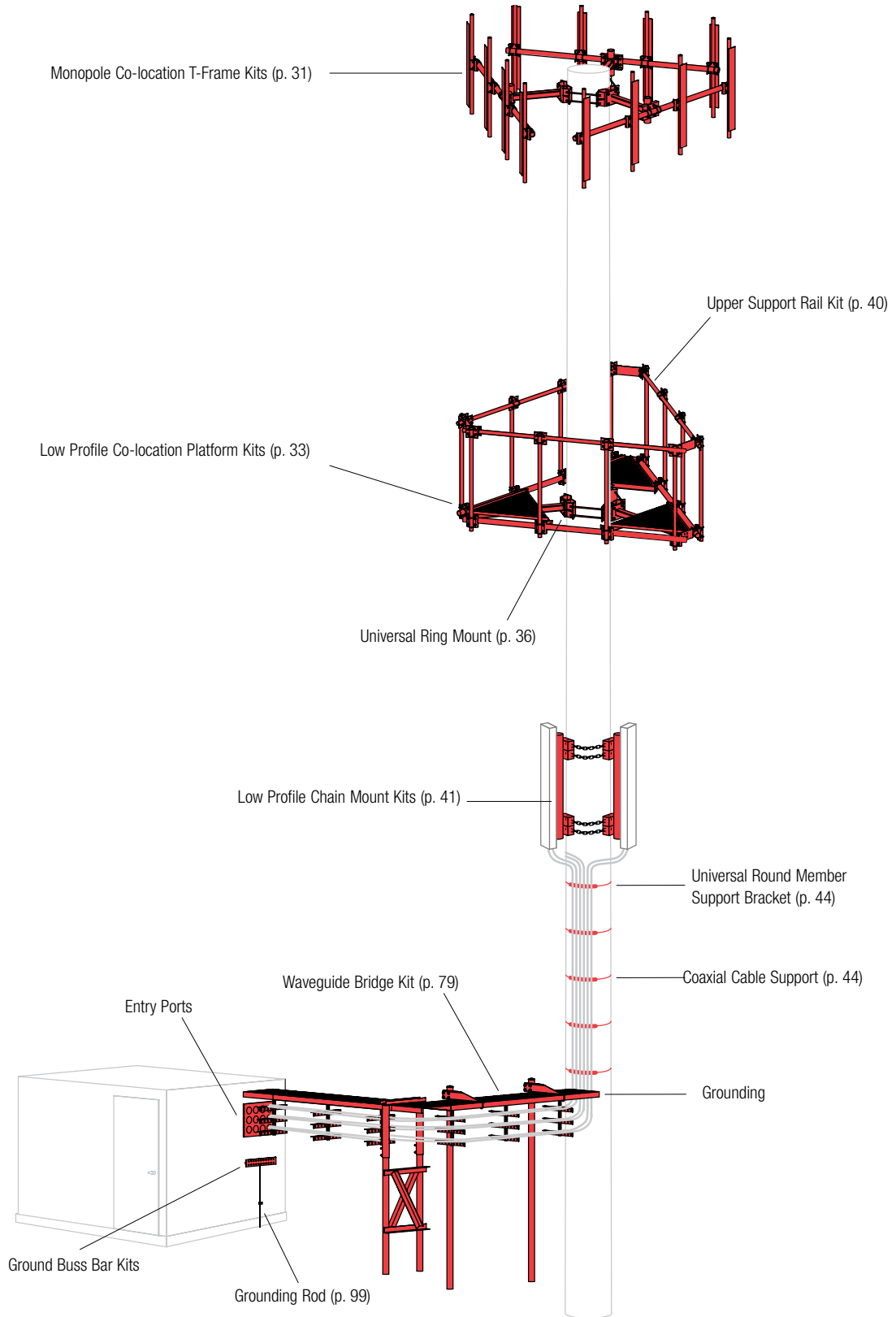
Waveguide Stand-off Bracket

TL-S06	6 Runs of Coaxial Cable	4 (1.9)
TL-S09	9 Runs of Coaxial Cable	4 (2.0)
TL-S012	12 Runs of Coaxial Cable	5 (2.1)



- Co-location Kits
- Microwave Components
- Mounting Components
- Chain Mounts
- Microwave Components
- Coaxial Cable Support Components

Monopole Applications

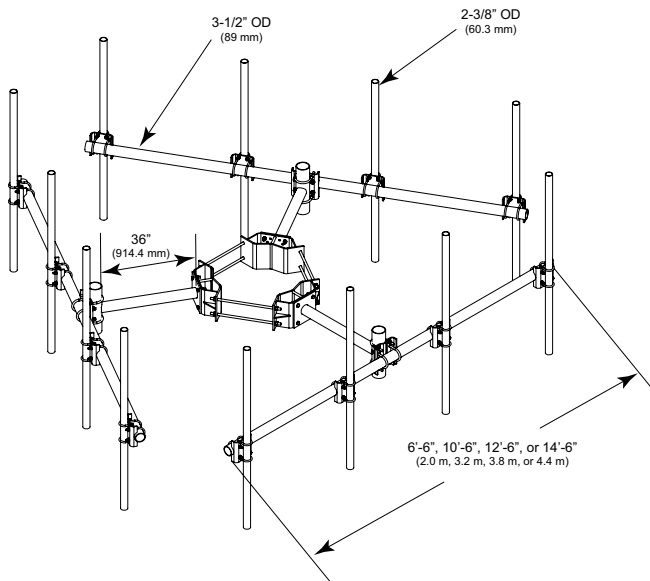


Monopole Applications

Co-location Kits

Monopole Co-location T-frame Kits

Application:	Monopoles
Size:	6'-6" (2 m) and 10'-6" (3.8 m) face
Design:	3-sector
Feature:	Complete co-location kit
Mounts to:	10" to 60" (254 mm to 1542 mm) OD monopole
Material:	Hot dip galvanized steel
Includes:	Ring mount, support arm, and pipe frame with or without pipe mounts
Order Separately:	Pipe mounts and work platforms



Face Width	EPA (no ice, sq ft):	EPA (1/2" radial ice, sq ft):
6'-6" Face	5.31	7.30
10'-6" Face	6.46	8.95
12'-6" Face	11.40	14.50
14'-6" Face	12.80	16.30

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222
 140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

*Typical installation of four 72" x 8" panel antennas per sector

Part Number	Description	Weight, lb (kg)
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Monopole Co-location T-frame Kits 6'-6" (2 m) Face, 36" Stand-off, 12" to 50" (304.8 mm to 1270 mm) OD

MC-K6M-B	Pipe Mounts Ordered Separately	620.0 (281.2)
MC-K6M-6-72	Six 2-3/8" OD x 72" Pipe Mounts	810.0 (367.4)
MC-K6M-6-96	Six 2-3/8" OD x 96" Pipe Mounts	860.0 (390.1)
MC-K6M-9-72	Nine 2-3/8" OD x 72" Pipe Mounts	840.0 (381.0)
MC-K6M-9-96	Nine 2-3/8" OD x 96" Pipe Mounts	900.0 (408.2)

Monopole Co-location T-frame Kits 10'-6" (3.8 m) Face, 36" Stand-off, 10" to 30" (254 mm to 762 mm) OD

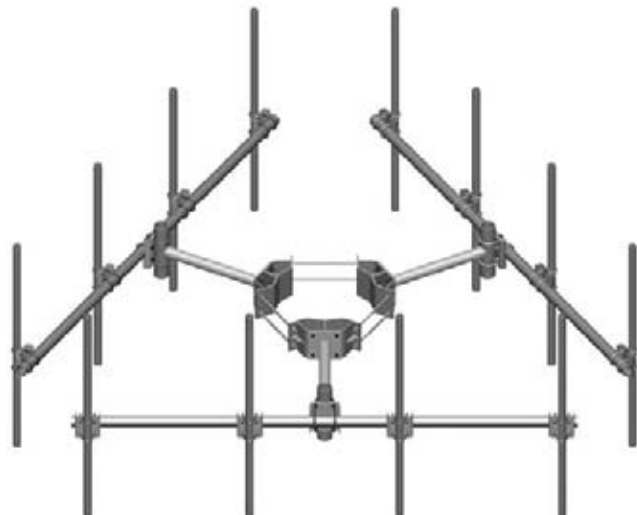
MC-K10S-B	Pipe Mounts Ordered Separately	710.0 (322.1)
MC-K10S-6-72	Six 2-3/8" OD x 72" Pipe Mounts	910.0 (412.8)
MC-K10S-6-96	Six 2-3/8" OD x 96" Pipe Mounts	960.0 (435.5)
MC-K10S-9-72	Nine 2-3/8" OD x 72" Pipe Mounts	1010.0 (458.1)
MC-K10S-9-96	Nine 2-3/8" OD x 96" Pipe Mounts	1080.0 (489.9)
MC-K10S-12-72	Twelve 2-3/8" OD x 72" Pipe Mounts	1110.0 (503.5)
MC-K10S-12-96	Twelve 2-3/8" OD x 96" Pipe Mounts	1210.0 (548.9)

Monopole Co-location T-frame Kits 10'-6" (3.8 m) Face, 36" Stand-off, 12" to 50" (381 mm to 1270 mm) OD

MC-K10M-B	Pipe Mounts Ordered Separately	770.0 (349.3)
MC-K10M-6-72	Six 2-3/8" OD x 72" Pipe Mounts	970.0 (440.0)
MC-K10M-6-96	Six 2-3/8" OD x 96" Pipe Mounts	1020.0 (462.7)
MC-K10M-9-72	Nine 2-3/8" OD x 72" Pipe Mounts	1070.0 (485.4)
MC-K10M-9-96	Nine 2-3/8" OD x 96" Pipe Mounts	1140.0 (517.1)
MC-K10M-12-72	Twelve 2-3/8" OD x 72" Pipe Mounts	1170.0 (530.7)
MC-K10M-12-96	Twelve 2-3/8" OD x 96" Pipe Mounts	1270.0 (576.1)

Monopole Co-location T-frame Kits 10'-6" (3.8 m) Face, 36" Stand-off, 30" to 60" (762 mm to 1524 mm) OD

MC-K10L-B	Pipe Mounts Ordered Separately	880.0 (399.2)
MC-K10L-6-72	Six 2-3/8" OD x 72" Pipe Mounts	1080.0 (489.9)
MC-K10L-6-96	Six 2-3/8" OD x 96" Pipe Mounts	1130.0 (512.6)
MC-K10L-9-72	Nine 2-3/8" OD x 72" Pipe Mounts	1180.0 (535.2)
MC-K10L-9-96	Nine 2-3/8" OD x 96" Pipe Mounts	1250.0 (567.0)
MC-K10L-12-72	Twelve 2-3/8" OD x 72" Pipe Mounts	1280.0 (580.6)
MC-K10L-12-96	Twelve 2-3/8" OD x 96" Pipe Mounts	1380.0 (626.0)

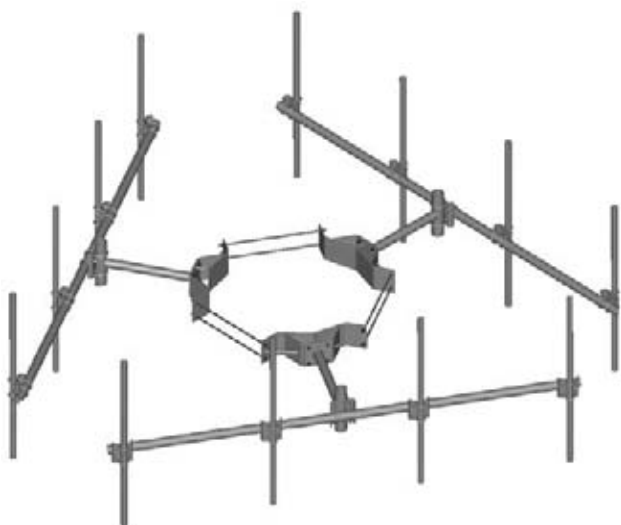


Monopole Applications

Co-location Kits

Monopole Co-location T-frame Kits

Application:	Monopoles
Size:	12'-6" (3.8 m) and 14'-6" (4.4 m) face
Design:	3-sector
Feature:	Complete co-location kit
Mounts to:	10" to 60" (254 mm to 1542 mm) OD monopole
Material:	Hot dip galvanized steel
Includes:	Ring mount, support arm, and pipe frame with or without pipe mounts
Order Separately:	Pipe mounts and work platforms



Face Width	EPA (no ice, sq ft):	EPA (1/2" radial ice, sq ft):
12'-6" Face	11.4	14.5
14'-6" Face	12.8	16.3

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222
140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

*Typical installation of four 72" x 8" panel antennas per sector

*14'-6" T-frames interfere on pole diameters less than 16" OD.

Part Number	Description	Weight, lb (kg)
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Monopole Co-location T-frame Kits 12'-6" (3.8 m) Face, 36" Stand-off, 10" to 30" (254 mm to 762 mm) OD

MC-K12S-B	Pipe Mounts Ordered Separately	760 (344.7)
MC-K12S-6-72	Six 2-3/8" OD x 72" Pipe Mounts	957 (434.1)
MC-K12S-6-96	Six 2-3/8" OD x 96" Pipe Mounts	1004.7 (455.7)
MC-K12S-9-72	Nine 2-3/8" OD x 72" Pipe Mounts	1055.4 (478.7)
MC-K12S-9-96	Nine 2-3/8" OD x 96" Pipe Mounts	1127.1 (511.3)
MC-K12S-12-72	Twelve 2-3/8" OD x 72" Pipe Mounts	1153.8 (523.4)
MC-K12S-12-96	Twelve 2-3/8" OD x 96" Pipe Mounts	1249.5 (566.8)

Monopole Co-location T-frame Kits 12'-6" (3.8 m) Face, 36" Stand-off, 12" to 50" (304.8 mm to 1270 mm) OD

MC-K12M-B	Pipe Mounts Ordered Separately	830 (376.5)
MC-K12M-6-72	Six 2-3/8" OD x 72" Pipe Mounts	1027 (465.8)
MC-K12M-6-96	Six 2-3/8" OD x 96" Pipe Mounts	1075 (487.6)
MC-K12M-9-72	Nine 2-3/8" OD x 72" Pipe Mounts	1125 (510.3)
MC-K12M-9-96	Nine 2-3/8" OD x 96" Pipe Mounts	1195 (542.1)
MC-K12M-12-72	Twelve 2-3/8" OD x 72" Pipe Mounts	1225 (555.7)
MC-K12M-12-96	Twelve 2-3/8" OD x 96" Pipe Mounts	1320 (598.8)

Monopole Co-location T-frame Kits 12'-6" (3.8 m) Face, 36" Stand-off, 30" to 60" (762 mm to 1524 mm) OD

MC-K12L-B	Pipe Mounts Ordered Separately	880 (399.2)
MC-K12L-6-72	Six 2-3/8" OD x 72" Pipe Mounts	1076.7 (488.4)
MC-K12L-6-96	Six 2-3/8" OD x 96" Pipe Mounts	1124.5 (510.1)
MC-K12L-9-72	Nine 2-3/8" OD x 72" Pipe Mounts	1175.2 (533.1)
MC-K12L-9-96	Nine 2-3/8" OD x 96" Pipe Mounts	1246.9 (565.6)
MC-K12L-12-72	Twelve 2-3/8" OD x 72" Pipe Mounts	1273.7 (577.8)
MC-K12L-12-96	Twelve 2-3/8" OD x 96" Pipe Mounts	1369.3 (621.1)

Monopole Co-location T-frame Kits 14'-6" (4.4 m) Face, 36" Stand-off, 10" to 30" (254 mm to 762 mm) OD

MC-K14S-B	Pipe Mounts Ordered Separately	831.9 (377.3)
MC-K14S-6-72	Six 2-3/8" OD x 72" Pipe Mounts	1028.9 (466.7)
MC-K14S-6-96	Six 2-3/8" OD x 96" Pipe Mounts	1076.7 (488.4)
MC-K14S-9-72	Nine 2-3/8" OD x 72" Pipe Mounts	1127.4 (511.4)
MC-K14S-9-96	Nine 2-3/8" OD x 96" Pipe Mounts	1199.1 (543.9)
MC-K14S-12-72	Twelve 2-3/8" OD x 72" Pipe Mounts	1225.9 (556.1)
MC-K14S-12-96	Twelve 2-3/8" OD x 96" Pipe Mounts	1321.5 (599.4)

Monopole Co-location T-frame Kits 14'-6" (4.4 m) Face, 36" Stand-off, 12" to 50" (304.8 mm to 1270 mm) OD

MC-K14M-B	Pipe Mounts Ordered Separately	900 (408.2)
MC-K14M-6-72	Six 2-3/8" OD x 72" Pipe Mounts	1100 (499.0)
MC-K14M-6-96	Six 2-3/8" OD x 96" Pipe Mounts	1150 (521.6)
MC-K14M-9-72	Nine 2-3/8" OD x 72" Pipe Mounts	1200 (544.3)
MC-K14M-9-96	Nine 2-3/8" OD x 96" Pipe Mounts	1270 (576.1)
MC-K14M-12-72	Twelve 2-3/8" OD x 72" Pipe Mounts	1300 (589.7)
MC-K14M-12-96	Twelve 2-3/8" OD x 96" Pipe Mounts	1400 (635.0)

Monopole Co-location T-frame Kits 14'-6" (4.4 m) Face, 36" Stand-off, 30" to 60" (762 mm to 1524 mm) OD

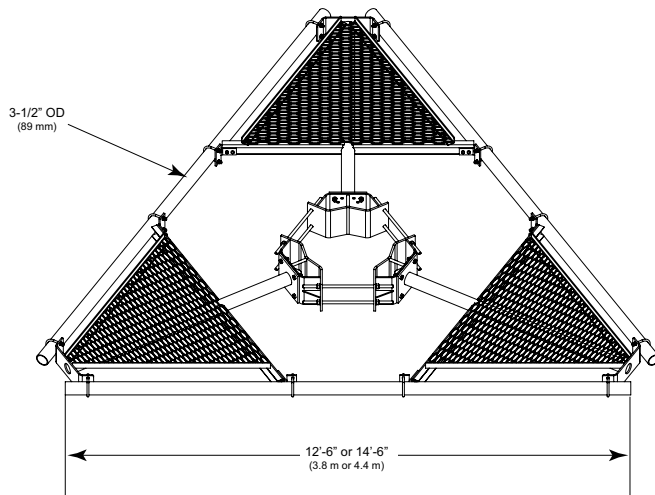
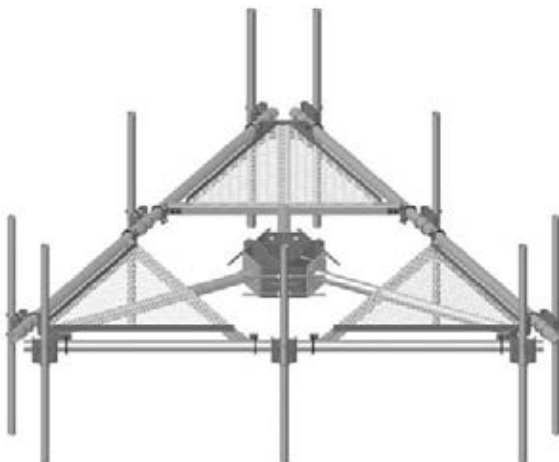
MC-K14L-B	Pipe Mounts Ordered Separately	951.7 (431.7)
MC-K14L-6-72	Six 2-3/8" OD x 72" Pipe Mounts	1148.7 (521.1)
MC-K14L-6-96	Six 2-3/8" OD x 96" Pipe Mounts	1196.5 (542.7)
MC-K14L-9-72	Nine 2-3/8" OD x 72" Pipe Mounts	1247.2 (565.7)
MC-K14L-9-96	Nine 2-3/8" OD x 96" Pipe Mounts	1318.9 (598.3)
MC-K14L-12-72	Twelve 2-3/8" OD x 72" Pipe Mounts	1345.7 (610.4)
MC-K14L-12-96	Twelve 2-3/8" OD x 96" Pipe Mounts	1441.3 (653.8)

Monopole Applications

Co-location Kits

Low-profile Co-location Platform Kits

Application:	Monopoles
Size:	12'-6" (3.8 m) or 14'-6" (4.4 m) face
Design:	Corner-grated platform
Feature:	Complete kit
Mounts to:	10" to 60" (254 mm to 1524 mm) OD
Material:	Hot dip galvanized steel
Includes:	Platform and ring mount, available with or without pipe mounts
Order Separately:	Pipe mount kits or upper support rail kit



Part Number	Description	Weight, lb (kg)
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Low-profile Co-location Platform Kit, 12'-6" (3.8 m) Face, 10" to 30" (254 mm to 762 mm) OD, 31.4" to 94.2" (797.6 mm to 2392.7 mm) Circumference

MC-PK12S-B	Pipe Mounts Ordered Separately	1123.2 (509.5)
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Low-profile Co-location Platform Kit, 12'-6" (3.8 m) Face, 10" to 30" (254 mm to 762 mm) OD, 31.4" to 94.2" (797.6 mm to 2392.7 mm) Circumference, Pipes Ordered Separately

MC-PK12S-9-72	Nine 2-3/8" OD x 72" (60.3 mm x 1.8 m)	1418.6 (643.5)
MC-PK12S-9-96	Nine 2-3/8" OD x 96" (60.3 mm x 2.4 m)	1490.4 (676.0)
MC-PK12S-9-126	Nine 2-3/8" OD x 126" (60.3 mm x 3.2 m)	1562.4 (708.7)
MC-PK12S-12-72	Twelve 2-3/8" OD x 72" (60.3 mm x 1.8 m)	1517.1 (688.2)
MC-PK12S-12-96	Twelve 2-3/8" OD x 96" (60.3 mm x 2.4 m)	1612.8 (731.6)
MC-PK12S-12-126	Twelve 2-3/8" OD x 126" (60.3 mm x 3.2 m)	1708.8 (775.1)

Low-profile Co-location Platform Kit, 14'-6" (4.4 m) Face, 10" to 30" (254 mm to 762 mm) OD, 31.4" to 94.2" (797.6 mm to 2392.7 mm) Circumference

MC-PK14S-B	Pipe Mounts Ordered Separately	1223.4 (554.9)
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Low-profile Co-location Platform Kit, 14'-6" (4.4 m) Face, 10" to 30" (254 mm to 762 mm) OD, 31.4" to 94.2" (797.6 mm to 2392.7 mm) Circumference, Pipe Mounts Included

MC-PK14S-9-72	Nine 2-3/8" OD x 72" (60.3 mm x 1.8 m)	1518.9 (689.0)
MC-PK14S-9-96	Nine 2-3/8" OD x 96" (60.3 mm x 2.4 m)	1590.7 (721.5)
MC-PK14S-9-126	Nine 2-3/8" OD x 126" (60.3 mm x 3.2 m)	1662.6 (754.2)
MC-PK14S-12-72	Twelve 2-3/8" OD x 72" (60.3 mm x 1.8 m)	1617.4 (733.7)
MC-PK14S-12-96	Twelve 2-3/8" OD x 96" (60.3 mm x 2.4 m)	1713.0 (777.0)
MC-PK14S-12-126	Twelve 2-3/8" OD x 126" (60.3 mm x 3.2 m)	1809.0 (820.6)

Low-profile Co-location Platform Kit, 14'-6" (4.4 m) Face, 30" to 60" (762 mm to 1524 mm) OD, 94.2" to 188.4" (2392.7 mm to 4785.4 mm) Circumference

MC-PK14L-B	Pipe Mounts Ordered Separately	1510.0 (684.9)
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Low-profile Co-location Platform Kit, 14'-6" (4.4 m) Face, 30" to 60" (762 mm to 1524 mm) OD, 94.2" to 188.4" (2392.7 mm to 4785.4 mm) Circumference, Pipe Mounts Included

MC-PK14L-9-72	Nine 2-3/8" OD x 72" (60.3 mm x 1.8 m)	1805.5 (819.0)
MC-PK14L-9-96	Nine 2-3/8" OD x 96" (60.3 mm x 2.4 m)	1877.2 (851.5)
MC-PK14L-9-126	Nine 2-3/8" OD x 126" (60.3 mm x 3.2 m)	1949.2 (884.2)
MC-PK14L-12-72	Twelve 2-3/8" OD x 72" (60.3 mm x 1.8 m)	1904.0 (863.7)
MC-PK14L-12-96	Twelve 2-3/8" OD x 96" (60.3 mm x 2.4 m)	1999.6 (907.0)
MC-PK14L-12-126	Twelve 2-3/8" OD x 126" (60.3 mm x 3.2 m)	2095.6 (950.6)

Face Width	EPA (no ice, sq ft):	EPA (1/2" radial ice, sq ft):
12'-6" Face	8.75	11.3
14'-6" Face	10.2	13.1

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222 140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

*Typical installation of four 72" x 8" panel antennas per sector

Monopole Applications

Co-location Kits

Low-profile Adjustable Co-location Platform Kit

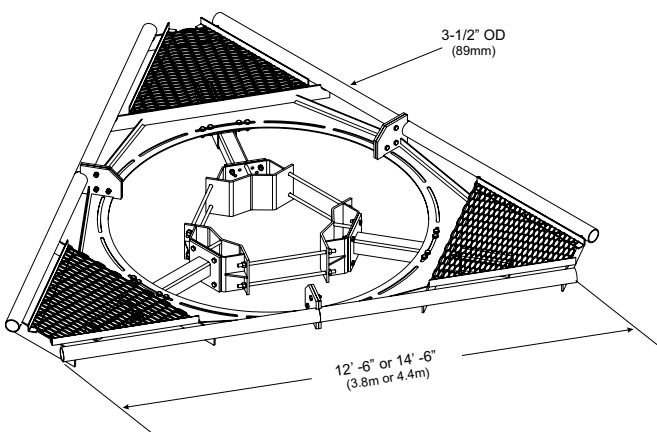
Application:	Monopoles
Size:	12'-6" (3.8 m) or 14'-6" (4.4 m) face
Design:	Rotatable, corner-grated platform
Feature:	Complete kit
Mounts to:	10" to 60" (254 mm to 1524 mm) OD
Material:	Hot dip galvanized steel
Includes:	Platform and ring mount. Available with or without pipe mounts
Order Separately:	Pipe mount kits or upper support rail

Face Width	EPA (no ice, sq ft):	EPA (1/2" radial ice, sq ft):
12'-6" Face	15.6	19.4
14'-6" Face	17.6	21.8

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222
140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

*Typical installation of four 72" x 8" panel antennas per sector



Part Number	Description	Wt. lb (kg)
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Low-profile Adjustable Co-location Platform Kit, 12' (3.7 m) Face,
10" to 30" OD (254 mm to 762 mm OD), 31.4" to 94.2"
(797.6 mm to 2392.7 mm) Circumference

MC-PA12S-B	Pipe Mounts Ordered Separately	1113.8 (505.2)
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Low-profile Adjustable Co-location Platform Kit, 12' (3.7 m) Face,
10" to 30" OD (254 mm to 762 mm OD), 31.4" to 94.2"
(797.6 mm to 2392.7 mm) Circumference. Pipe Mounts Included

MC-PA12S-9-72	Nine 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	1409.2 (639.2)
MC-PA12S-9-96	Nine 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	1481.0 (671.8)
MC-PA12S-9-126	Nine 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	1553.0 (704.4)
MC-PA12S-12-72	Twelve 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	1507.7 (683.9)
MC-PA12S-12-96	Twelve 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	1603.4 (727.3)
MC-PA12S-12-126	Twelve 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	1699.4 (770.8)

Low-profile Adjustable Co-location Platform Kit, 12' (3.7 m) Face,
30" to 60" OD (762 mm to 1524 mm OD), 94.2" to 188.4"
(2392.7 mm to 4785.4 mm) Circumference

MC-PA12L-B	Pipe Mounts Ordered Separately	1233.6 (559.6)
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Low-profile Adjustable Co-location Platform Kit, 12' (3.7 m) Face,
30" to 60" OD (762 mm to 1524 mm OD), 94.2" to 188.4"
(2392.7 mm to 4785.4 mm) Circumference. Pipe Mounts Included

MC-PA12L-9-72	Nine 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	1529.1 (693.6)
MC-PA12L-9-96	Nine 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	1600.8 (726.1)
MC-PA12L-9-126	Nine 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	1672.8 (758.8)
MC-PA12L-12-72	Twelve 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	1627.6 (738.3)
MC-PA12L-12-96	Twelve 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	1723.2 (781.6)
MC-PA12L-12-126	Twelve 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	1819.2 (825.2)

Low-profile Adjustable Co-location Platform Kit, 14' (4.3 m) Face,
10" to 30" OD (254 mm to 762 mm OD), 31.4" to 94.2"
(797.6 mm to 2392.7 mm) Circumference

MC-PA14S-B	Pipe Mounts Ordered Separately	1644.8 (746.1)
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Low-profile Adjustable Co-location Platform Kit, 14' (4.3 m) Face,
10" to 30" OD (254 mm to 762 mm OD), 31.4" to 94.2"
(797.6 mm to 2392.7 mm) Circumference. Pipe Mounts Included

MC-PA14S-9-72	Nine 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	1940.3 (880.1)
MC-PA14S-9-96	Nine 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	2012.0 (912.6)
MC-PA14S-9-126	Nine 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	2084.0 (945.3)
MC-PA14S-12-72	Twelve 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	2038.8 (924.8)
MC-PA14S-12-96	Twelve 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	2134.4 (968.2)
MC-PA14S-12-126	Twelve 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	2230.4 (1011.7)

Low-profile Adjustable Co-location Platform Kit, 14' (4.3 m) Face,
30" to 60" OD (762 mm to 1524 mm OD), 94.2" to 188.4"
(2392.7 mm to 4785.4 mm) Circumference

MC-PA14L-B	Pipe Mounts Ordered Separately	1764.6 (800.4)
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Low-profile Adjustable Co-location Platform Kit, 14' (4.3 m) Face,
30" to 60" OD (762 mm to 1524 mm OD), 94.2" to 188.4"
(2392.7 mm to 4785.4 mm) Circumference. Pipe Mounts Included

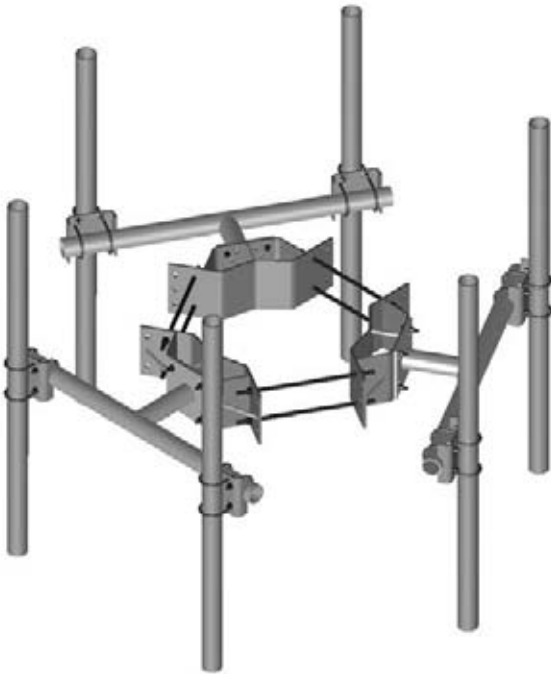
MC-PA14L-9-72	Nine 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	2060.1 (934.5)
MC-PA14L-9-96	Nine 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	2131.8 (967.0)
MC-PA14L-9-126	Nine 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	2203.8 (999.6)
MC-PA14L-12-72	Twelve 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	2158.6 (979.1)
MC-PA14L-12-96	Twelve 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	2254.2 (1022.5)
MC-PA14L-12-126	Twelve 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	2350.2 (1066.1)

Monopole Applications

Microwave Components

Low-profile Adjustable Co-location Kit

Application:	Monopoles
Size:	57" (1.4 m) face with 48" (1.2 m) separation
Design:	Universal double antenna mount
Feature:	Down tilt capabilities
Mounts to:	12" to 50" (304.8 mm to 1.27 m) OD monopoles
Material:	Hot dip galvanized steel
Includes:	Mount, weldment, hardware
Order Separately:	Available with or without pipe



Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222
140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

Part Number	Description	Weight, lb (kg)
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Universal Monopole Co-location Kit, 12" to 50" (304.8 mm to 1.27 m) OD Pole, Without Pipe Mounts

MC-DPMM-B	Pipe Mounts Ordered Separately	335 (152.0)
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Universal Monopole Co-location Kit, 12" to 50" (304.8 mm to 1.27 m) OD Pole, With 2-3/8" (60.3 mm) OD Pipe Mounts

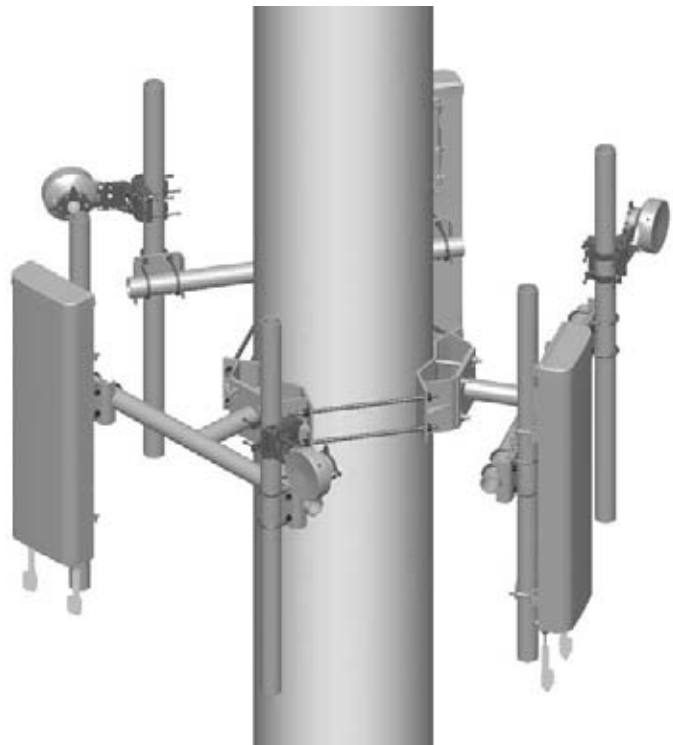
MC-DPM2M-6-B	Pipes Ordered Separately	545 (247.2)
MC-DPM2M-6-72	Six 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	675 (306.2)
MC-DPM2M-6-96	Six 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	720 (326.6)
MC-DPM2M-6-126	Six 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	775 (351.5)

Universal Monopole Co-location Kit, 12" to 50" (304.8 mm to 1.27 m) OD Pole, With 2-7/8" (73 mm) OD Pipe Mounts

MC-DPM3M-6-B	Pipes Ordered Separately	555 (251.7)
MC-DPM3M-6-72	Six 2-7/8" OD x 72" (73 mm OD x 1.8 m)	765 (347.0)
MC-DPM3M-6-96	Six 2-7/8" OD x 96" (73 mm OD x 2.4 m)	835 (378.8)
MC-DPM3M-6-126	Six 2-7/8" OD x 126" (73 mm OD x 3.2 m)	925 (419.6)

Universal Monopole Co-location Kit, 12" to 50" (304.8 mm to 1.27 m) OD Pole, With 3-1/2" (88.9 mm) OD Pipe Mounts

MC-DPM35M-6-B	Pipes Ordered Separately	555 (251.7)
MC-DPM35M-6-72	Six 3-1/2" OD x 72" (88.9 mm OD x 1.8 m)	830 (376.5)
MC-DPM35M-6-96	Six 3-1/2" OD x 96" (88.9 mm OD x 2.4 m)	925 (419.6)
MC-DPM35M-6-126	Six 3-1/2" OD x 126" (88.9 mm OD x 3.2 m)	1035 (469.5)

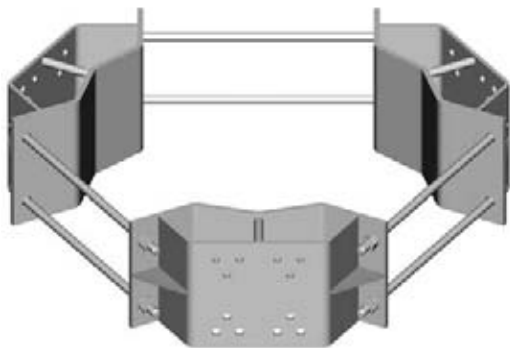


Monopole Applications

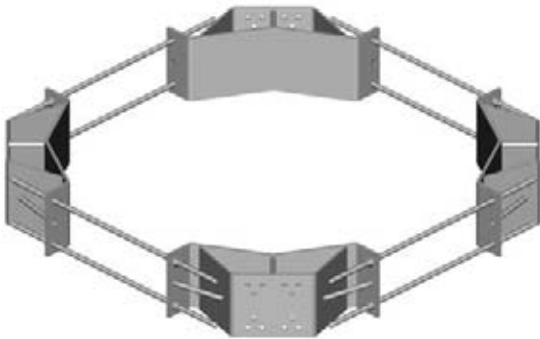
Mounting Components

Universal Ring Mounts

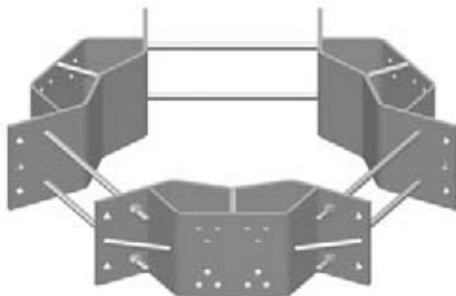
Application:	Monopoles
Design:	3 or 4-sector clamp-on mount
Feature:	Fits broad range of pole sizes
Mounts to:	10" to 60" (254.0 mm to 1524.0 mm) OD
Material:	Hot dip galvanized steel
Includes:	Mount and threaded rod
Order Separately:	Arms, platforms, pipes



● MC-RM1030-3



● MC-RM3060-4



● MC-RM1550-3

Part Number	Description	Weight, lb (kg)
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3-Sector Universal Ring Mounts

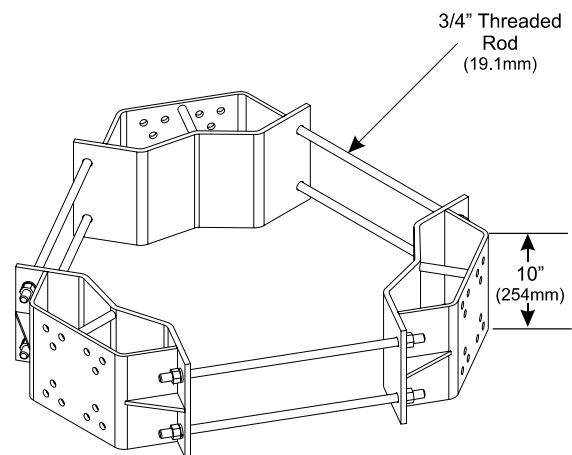
MC-RM1030-3	10" to 30" OD (254 mm to 762 mm OD), 31.4" to 94.2" (797.6 mm to 2392.7 mm) Circumference	190.3 (86.3)
MC-RM1550-3	12" to 50" OD (304.8 mm to 1270.0 mm OD), 47.1" to 157.1" (1196.3 mm to 3990.3 mm) Circumference	259.6 (117.7)
MC-RM3060-3	30" to 60" OD (762 mm to 1524 mm OD), 94.2" to 188.4" (2392.7 mm to 4785.4 mm) Circumference	310.1 (140.7)

4-Sector Universal Ring Mounts

MC-RM1030-4	10" to 30" OD (254 mm to 762 mm OD), 31.4" to 94.2" (797.6 mm to 2392.7 mm) Circumference	204.3 (92.7)
MC-RM3060-4	30" to 60" OD (762 mm to 1524 mm OD), 94.2" to 188.4" (2392.7 mm to 4785.4 mm) Circumference	355.9 (161.4)

Wind Rating*: 140 mph (BWS) per latest revision of TIA/EIA-222
160 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

*Typical installation of four 72" x 8" panel antennas per sector
on a 14'-6" face

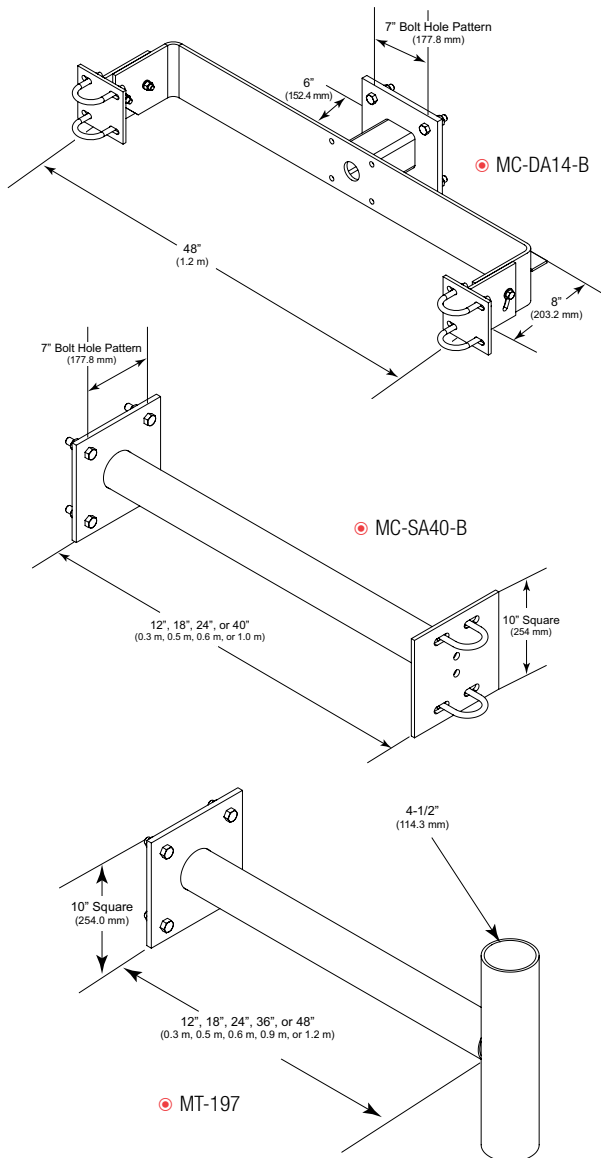


Monopole Applications

Mounting Components

Support Arms for Ring Mounts

Application:	Monopoles
Size:	Eleven stand-off options
Design:	Multiple designs options
Feature:	Visually appealing low profile design
Mounts to:	Ring mounts
Material:	Hot dip galvanized steel
Includes:	Hardware
Order Separately:	Ring mount, antenna pipes, and cellular pipe frame

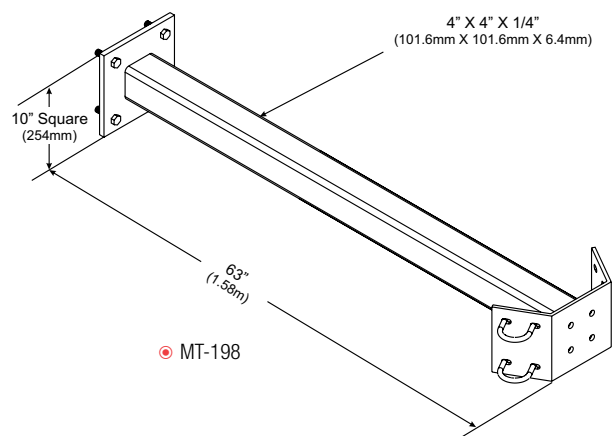


Part Number	Description	Weight, lb (kg)
Support Arm		
MT-197-12	Single, 12" (0.3 m) Long, With 4-1/2" OD x 18" (114.3 mm OD x 0.5 m) Pipe	50 (22.7)
MT-197-18	Single, 18" (0.4 m) Long, With 4-1/2" OD x 18" (114.3 mm OD x 0.5 m) Pipe	58 (26.3)
MT-197-24	Single, 24" (0.6 m) Long, With 4-1/2" OD x 18" (114.3 mm OD x 0.5 m) Pipe	62 (28.1)
MT-197	Single, 36" (0.9 m) Long, With 4-1/2" OD x 18" (114.3 mm OD x 0.5 m) Pipe	68.1 (30.9)
MT-197-48	Single, 48" (1.2 m) Long, With 4-1/2" OD x 18" (114.3 mm OD x 0.5 m) Pipe	82.1 (37.2)
MT-198	Double, 63" (1.6 m) Long, Order 2-3/8" (60.3 mm) OD Pipes Separately. Includes U-bolts	102.9 (46.7)
MC-DA14-B	Double, 14" (355.6 mm). Order 2-3/8" (60.3 mm) OD Pipes Separately. Includes U-bolts	83.5 (37.9)
MC-SA12-B	Stand-off Arm, 12" (0.3 m). Order 2-3/8" (60.3 mm) OD Pipes Separately. Includes U-bolts	45 (20.4)
MC-SA18-B	Stand-off Arm, 18" (0.4 m). Order 2-3/8" (60.3 mm) OD pipes separately. Includes U-bolts	50 (22.7)
MC-SA24-B	Stand-off Arm, 24" (0.6 m). Order 2-3/8" (60.3 mm) OD Pipes Separately. Includes U-bolts	60 (27.2)
MC-SA40-B	Stand-off Arm, 40" (1 m). Order 2-3/8" (60.3 mm) OD Pipes Separately. Includes U-bolts	73 (33.1)

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222 140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

*Typical installation of two 72" x 8" panel antennas per sector

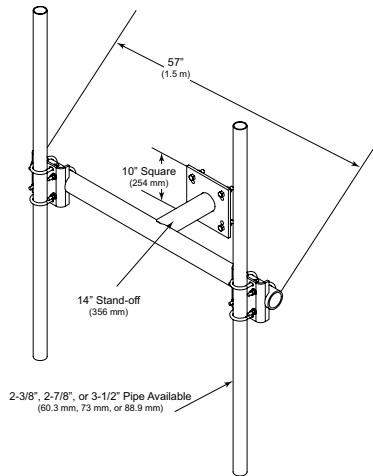


Monopole Applications

Mounting Components

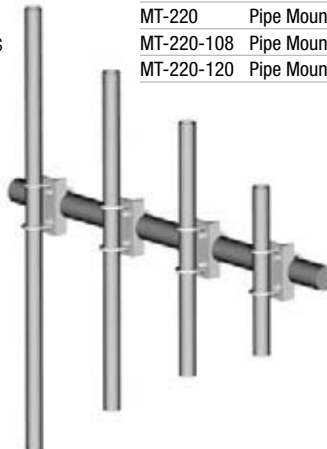
Co-location Dual Pipe Base Kit

Application:	Monopoles
Size:	57" (1.4 m) face with 48" (1.2 m) separation
Design:	Universal double antenna mount
Feature:	Down tilt capabilities
Mounts to:	12" to 50" (304.8 mm to 1.27 m) OD monopoles
Material:	Hot dip galvanized steel
Includes:	Mount, weldment, hardware
Order Separately:	Available with or without pipe



Pipe Mount Kits

Application:	Monopoles
Size:	24" to 120" (0.6 m to 3 m)
Feature:	Allows easy antenna downtilt
Mounts to:	3-1/2" (88.9 m) OD cellular pipe frames or monopole platforms
Material:	Hot dip galvanized steel
Includes:	Crossover bracket and U-bolts, with or without pipe
Order Separately:	Cellular pipe frame or monopole platforms



Part Number	Description	Weight, lb (kg)
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Sector Dual Pipe Mount Base

MC-DPM-B	Pipes Ordered Separately	72 (32.7)
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Sector Dual Pipe Mount Base Kit for 2-3/8" (60.3 mm) OD Pipe Mounts

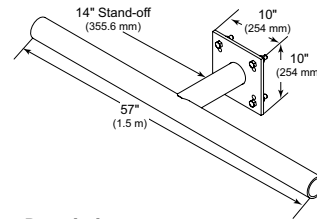
MC-DPM2-B	Pipes Ordered Separately	
MC-DPM2-72	Two 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	140 (63.5)
MC-DPM2-96	Two 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	155 (70.3)
MC-DPM2-126	Two 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	175 (79.4)

Sector Dual Pipe Mount Base Kit for 2-7/8" (73 mm) OD Antenna Mounting Pipes

MC-DPM3-B	Pipes Ordered Separately	
MC-DPM3-72	Two 2-7/8" OD x 72" (73 mm OD x 1.8 m)	170 (77.1)
MC-DPM3-96	Two 2-7/8" OD x 96" (73 mm OD x 2.4 m)	195 (88.5)
MC-DPM3-126	Two 2-7/8" OD x 126" (73 mm OD x 3.2 m)	225 (102.1)

Sector Dual Pipe Mount Base Kit for 3-1/2" (88.9 mm) OD Antenna Mounting Pipes

MC-DPM35-B	Pipes Ordered Separately	100 (45.4)
MC-DPM35-72	Two 3-1/2" OD x 72" (88.9 mm OD x 1.8 m)	200 (90.7)
MC-DPM35-96	Two 3-1/2" OD x 96" (88.9 mm OD x 2.4 m)	220 (99.8)
MC-DPM35-126	Two 3-1/2" OD x 126" (88.9 mm OD x 3.2 m)	260 (117.9)



Part Number	Description	Weight, lb (kg)
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Pipe Mount Kits

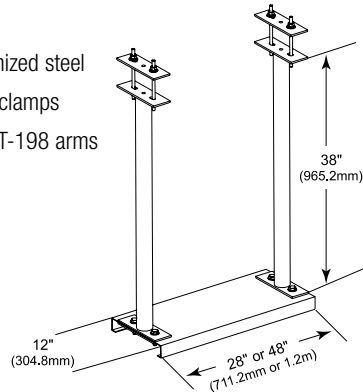
MT-219-H	Pipe Mount Hdw. Kit (2-3/8" OD Pipe Ordered Separately)	11 (5.0)
MT-219M-H	Pipe Mount Hdw. Kit (2-7/8" OD Pipe Ordered Separately)	11 (5.0)
MT-219L-H	Pipe Mount Hdw. Kit (3-1/2" OD Pipe Ordered Separately)	12 (5.4)
MT-217	Pipe Mount Kit, 2-3/8" OD x 24" (60.3 mm OD x 0.6 m)	18.5 (8.4)
MT-218	Pipe Mount Kit, 2-3/8" OD x 36" (60.3 mm OD x 0.9 m)	22.4 (10.2)
MT-219	Pipe Mount Kit, 2-3/8" OD x 48" (60.3 mm OD x 1.2 m)	26.2 (11.9)
MT-219-63	Pipe Mount Kit, 2-3/8" OD x 63" (60.3 mm OD x 1.6 m)	30.7 (13.9)
MT-219-72	Pipe Mount Kit, 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	32.8 (14.9)
MT-219-84	Pipe Mount Kit, 2-3/8" OD x 84" (60.3 mm OD x 2.1 m)	46.6 (21.1)
MT-220	Pipe Mount Kit, 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	40.8 (18.5)
MT-220-108	Pipe Mount Kit, 2-3/8" OD x 108" (60.3 mm OD x 2.7 m)	43.4 (19.7)
MT-220-120	Pipe Mount Kit, 2-3/8" OD x 126" (60.3 mm OD x 3 m)	48.8 (22.1)

Monopole Applications

Mounting Components

Work Platform for Support Arms

- Application:** Monopoles
Size: 12" (304.8 mm) wide grating
Design: Safety-grated work platform
Feature: Clamps on to monopole arms
Mounts to: Support arm
Material: Hot dip galvanized steel
Includes: Platform and clamps
Order Separately: MT-197 or MT-198 arms



Part Number	Description	Weight, lb (kg)
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Work Platform for Support Arm

WP-197	For Single Pipe Support Arm (MT-197)	81.8 (37.1)
WP-198	For Double Pipe Support Arm (MT-198)	92.1 (41.8)



Cellular Pipe Frames

- Application:** Monopoles
Design: Flush mount single pipe frame
Feature: Allows easy antenna downtilt and center mounting capabilities
Mounts to: 4-1/2" (114.3 mm) OD
Material: Hot dip galvanized steel
Includes: Pipe and crossover plate
Order Separately: Pipe mount kits and work platform



Part Number	Description	Weight, lb (kg)
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Cellular Pipe Frame

MT-216-6NS	6'-6" (2 m) Wide	50.2 (22.8)
MT-216-10NS	10'-6" (3.2 m) Wide	98.2 (44.5)
MT-216-NS	12'-6" (3.8 m) Wide	122.2 (55.4)
MT-216-14NS	14'-6" (4.3 m) Wide	146.2 (66.3)

Work Platform for Cellular Pipe Frame

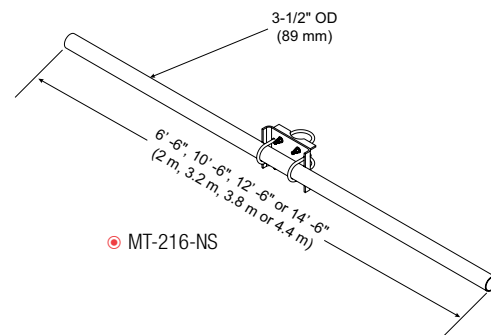
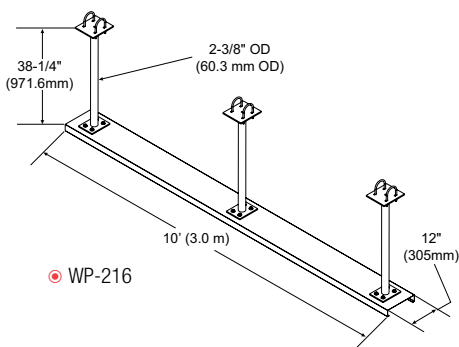
WP-216	Work Platform for Cellular Pipe Frame	119.5 (54.2)
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Face Width	EPA (no ice, sq ft):	EPA (1/2" radial ice, sq ft):
6'-6" Face	5.31	7.30
10'-6" Face	6.46	8.95
12'-6" Face	11.40	14.50
14'-6" Face	12.80	16.30

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222
 140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL

*Typical installation of four 72" x 8" panel antennas per sector

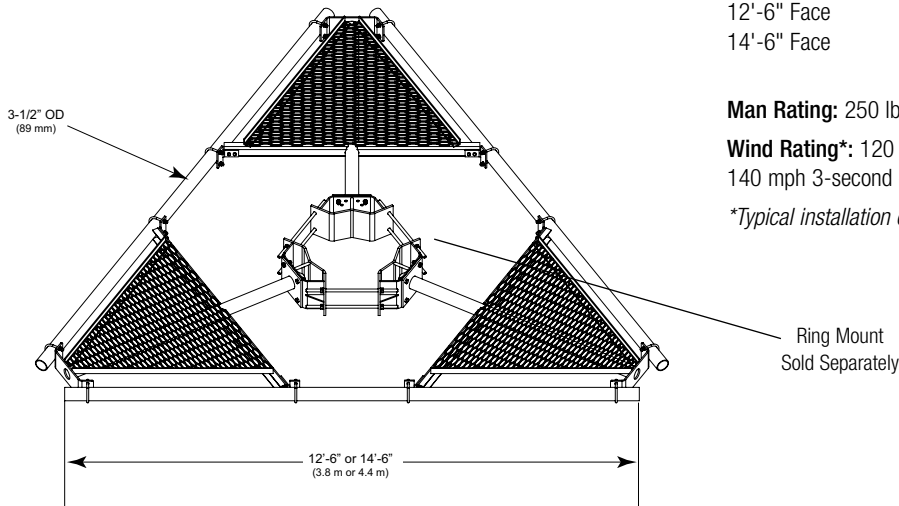


Monopole Applications

Mounting Components

Low-profile Co-location Platforms

- Application:** Monopoles
Size: 12'-6" (3.8 m) or 14'-6" (4.4 m) face
Design: Corner-grated platform
Feature: Simplified installation
Mounts to: Ring mount
Material: Hot dip galvanized steel
Includes: Platform only
Order Separately: Ring mount, pipe mount kits, and handrail



Part Number	Description	Weight, lb (kg)
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Low-profile Co-location Platform Order 10" to 30" (254 mm to 762 mm) OD Ring Mount and Pipe Mount Kits Separately		
MT-196	12'-6" (3.8 m) Face	1123.2 (509.5)
MT-196-14	14'-6" (4.4 m) Face	1234.3 (559.9)

Low-profile Co-location Platform Order 30" to 60" (762 mm to 1.52 m) OD Ring Mount and Pipe Mount Kits Separately		
MT-196-14L	14'-6" (4.4 m) Face	1280.8 (581.0)

Face Width	EPA (no ice, sq ft):	EPA (1/2" radial ice, sq ft):
12'-6" Face	8.75	11.3
14'-6" Face	10.2	13.1

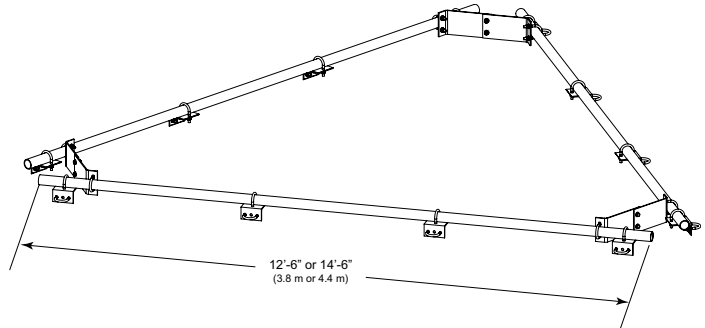
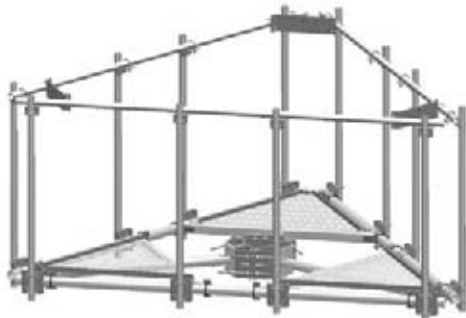
- Man Rating:** 250 lb vertical man load at 15 mph (BWS)
Wind Rating*: 120 mph (BWS) per latest revision of TIA/EIA-222
 140 mph 3-second gust, Exposure "D" per FBC, at 150' AGL
**Typical installation of four 72" x 8" panel antennas per sector*

Upper Support Rail Kit for Co-location Platforms

- Application:** Monopoles
Size: 12'-6" (3.8 m) or 14'-6" (4.4 m)
Design: Clamp-on upper support rail
Feature: Allows two pipe mounting points
Mounts to: MT-196, MC-PK or MC-PA series
Material: Hot dip galvanized steel
Includes: Rail, twelve crossover angles, and hardware
Order Separately: Platform and pipe mount kits

Part Number	Description	Weight, lb (kg)
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Upper Support Rail Kit for Co-location Platforms		
MT-195-12	12'-6" (3.81 m) Face	244.6 (111.0)
MT-195-14	14'-6" (4.41 m) Face	316.6 (143.6)



Monopole Applications

Mounting Components

Low-profile Chain Mounts

Application:	Monopoles
Size:	2-3/8" (60.3 mm) OD pipe mounts
Design:	1-, 2-, 3- or 6- antenna chain mounts
Feature:	Universal, low-profile mount
Mounts to:	8" to 60" (203.2 mm to 1524 mm) OD
Material:	Hot dip galvanized steel
Includes:	See description



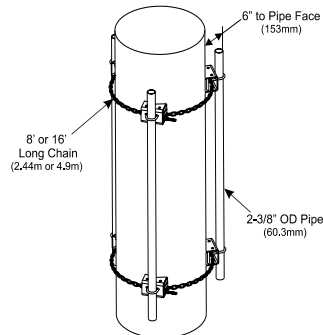
Single Chain Mount



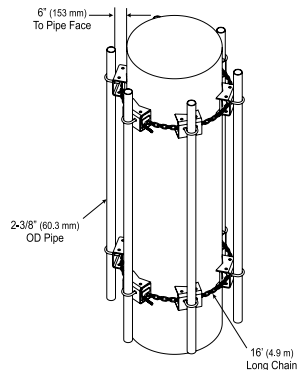
Double Chain Mount



Triple Chain Mount



Six Antenna Chain Mount



Part Number	Description	Weight, lb (kg)
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Chain Mount Kits, 8" to 30" (203.2 mm to 711.2 mm) OD, 25" to 94.2" (635 mm to 2393 mm) Circumference

Single Chain Mount Kit

CM-30S-B	Base Kit, 8' Chain, 2-3/8" (60.3 mm) OD, Pipe Ordered Separately	26.76 (12.1)
CM-30S-72	One 2-3/8" OD x 72" (1.8 m) Pipe, 8' Chain	47.76 (21.7)
CM-30S-96	One 2-3/8" OD x 96" (2.4 m) Pipe, 8' Chain	60.26 (27.3)

Double Chain Mount Kit

CM-30D-B	Base Kit, 8' Chain, 2-3/8" (60.3 mm) OD, Pipe Ordered Separately	38.76 (17.6)
CM-30D-72	Two 2-3/8" OD x 72" (1.8 m) Pipes, 8' Chain	80.76 (36.6)
CM-30D-96	Two 2-3/8" OD x 96" (2.4 m) Pipes, 8' Chain	105.76 (48.0)

Triple Chain Mount Kit

CM-30T-B	Base Kit, 8' Chain, 2-3/8" (60.3 mm) OD, Pipe Ordered Separately	50.76 (23.0)
CM-30T-72	Three 2-3/8" OD x 72" (1.8 m) Pipes, 8' Chain	113.76 (51.6)
CM-30T-96	Three 2-3/8" OD x 96" (2.4 m) Pipes, 8' Chain	151.26 (68.6)

Chain Mount Kits, 8" to 60" (203.2 mm to 1524 mm) OD, 25" to 188" (635 mm to 4785 mm) Circumference

Single Chain Mount Kit

CM-60S-B	Base Kit, 16' Chain, 2-3/8" (60.3 mm) OD, Pipe Ordered Separately	38.78 (17.6)
CM-60S-72	One 2-3/8" OD x 72" (1.8 m) Pipe, 16' Chain	59.76 (27.1)
CM-60S-96	One 2-3/8" OD x 96" (2.4 m) Pipe, 16' Chain	72.26 (32.8)

Double Chain Mount Kit

CM-60D-B	Base Kit, 16' Chain, 2-3/8" (60.3 mm) OD, Pipe Ordered Separately	50.76 (23.0)
CM-60D-72	Two 2-3/8" OD x 72" (1.8 m) Pipes, 16' Chain	92.76 (42.1)
CM-60D-96	Two 2-3/8" OD x 96" (2.4 m) Pipes, 16' Chain	117.76 (53.4)

Triple Chain Mount Kit

CM-60T-B	Base Kit, 16' Chain, 2-3/8" (60.3 mm) OD, Pipe Ordered Separately	62.76 (28.5)
CM-60T-72	Three 2-3/8" OD x 72" (1.8 m) Pipes, 16' Chain	123.76 (56.1)
CM-60T-96	Three 2-3/8" OD x 96" (2.4 m) Pipes, 16' Chain	163.26 (74.1)

Six Antenna Chain Mount Kits, 14" to 60" (356 mm to 1524 mm) OD, 44" to 188" (1117 mm to 4785 mm) Circumference

CM-606-B	Base Kit, 16' Chain, 2-3/8" (60.3 mm) OD, Pipe Ordered Separately	98.7 (44.7)
CM-606-72	Six 2-3/8" OD x 72" (1.8 m) Pipes, 16' Chain	231 (104.8)
CM-606-96	Six 2-3/8" OD x 96" (2.4 m) Pipes, 16' Chain	275 (124.7)

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) 1/2" radial ice at 100' AGL per latest revision of TIA/EIA-222

*Typical installation of one 96" x 10" panel antenna per sector

Monopole Applications

Microwave Components

Light Duty Chain Mounts

Application:	Monopoles
Size:	4-1/2" (114.3 mm) OD pipe mounts
Design:	Single antenna mount
Feature:	Single chain support
Mounts to:	8" to 60" (203.2 mm to 1.5 m) OD
Material:	Hot dip galvanized steel
Includes:	Pipe mounts and chains
Order Separately:	Stiff arm and pipe mounts as needed



Part Number	Description	Wt. lb (kg)
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Light Duty Chain Mount Kits, 8" to 30" (203.2 mm to 711.2 mm) OD, 25" to 94.2" (635 mm to 2393 mm) Circumference

CM-L30-B	Base Kit, 8' (2.4 m) Chain, Pipe Mount Ordered Separately	26.14 (11.9)
CM-L30-63	4-1/2" OD x 63" (114.3 mm OD x 1.6 m) Pipe Mount, 8' (2.4 m) Chain	90.64 (41.1)

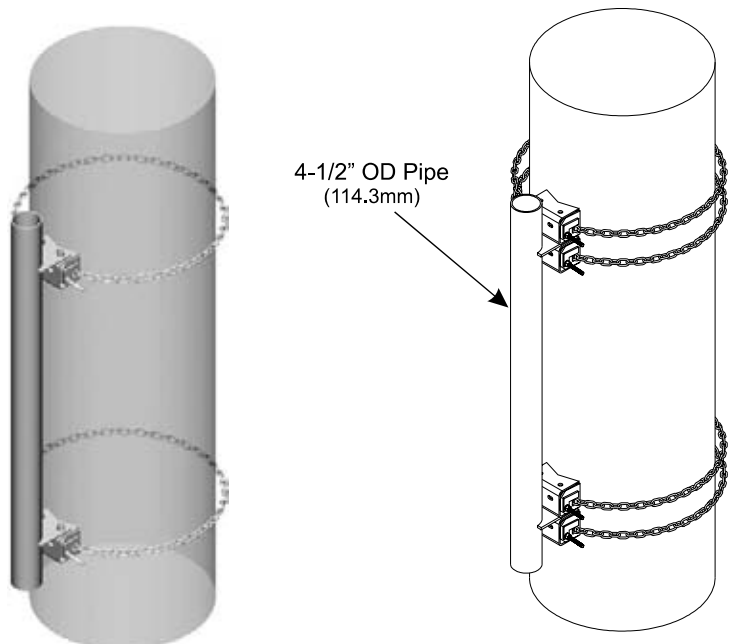
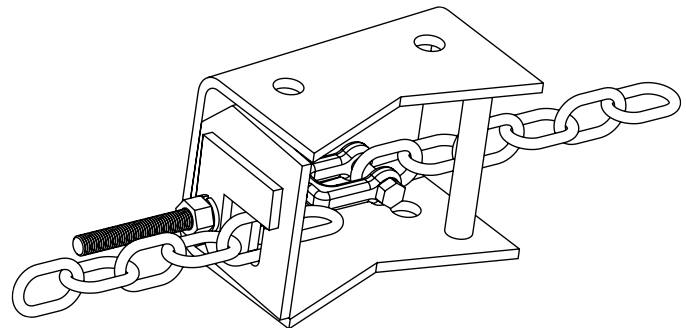
Light Duty Chain Mount Kits, 8" to 60" (203.2 mm to 1524 mm) OD, 25" to 188" (635 mm to 4785 mm) Circumference

CM-L60-B	Base Kit, 16' (4.9 m) Chain, Pipe Mount Ordered Separately	38.14 (17.3)
CM-L60-63	4-1/2" OD x 63" (114.3 mm OD x 1.6 m) Pipe Mount, 16' (4.9 m) Chain	102.64 (46.6)

Man Rating: 250 lb vertical man load at 15 mph (BWS)

Wind Rating*: 120 mph (BWS) 1/2" radial ice at 100' AGL per latest revision of TIA/EIA-222

**Typical installation of one 4' standard radome microwave antenna*

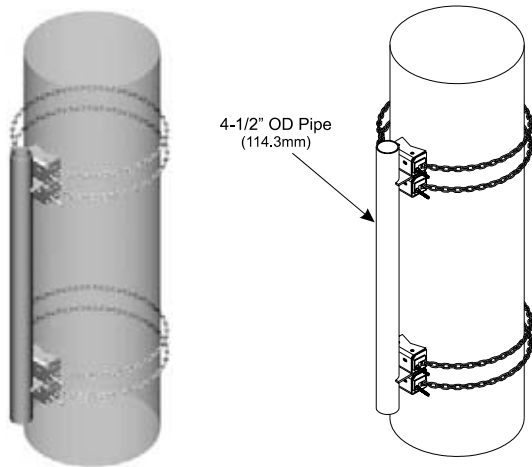


Monopole Applications

Microwave Components

Heavy Duty Chain Mounts

Application:	Monopoles
Size:	4-1/2" (114.3 mm) OD pipe mounts
Design:	Single antenna mount
Feature:	Double chain support
Mounts to:	8" to 60" (203.2 mm to 1.5 m) OD
Material:	Hot dip galvanized steel
Includes:	Pipe mounts and chains
Order Separately:	Stiff arm and pipe mounts as needed



Part Number	Description	Weight, lb (kg)
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Heavy Duty Chain Mount Kits, 8" to 30" (203.2 mm to 711.2 mm) OD, 25" to 94.2" (635 mm to 2393 mm) Circumference

CM-H30-B	Base Kit, 8' (2.4 m) Chain, Pipe Mount Ordered Separately	52.12 (23.6)
CM-H30-63	4-1/2" OD x 63" (114.3 mm OD x 1.6 m) Pipe Mount, 8' (2.4 m) Chain	116.62 (52.9)

Heavy Duty Chain Mount Kits, 8" to 60" (203.2 mm to 1524 mm) OD, 25" to 188" (635 mm to 4785 mm) Circumference

CM-H60-B	Base Kit, 16' Chain, (4.9 m) Pipe Mount Ordered Separately	76.12 (34.5)
CM-H60-63	4-1/2" OD x 63" (114.3 mm OD x 1.6 m) Pipe Mount, 16' (4.9 m) Chain	140.62 (63.8)

Man Rating: 250 lb vertical man load at 15 mph (BWS)

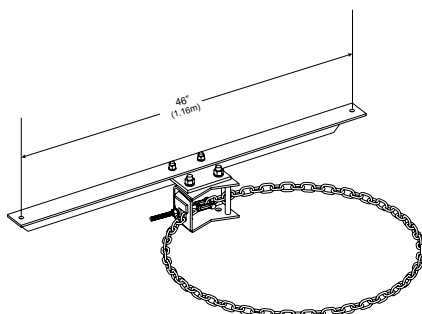
Wind Rating*: 125 mph (BWS) 1/2" radial ice at 100' AGL per latest revision of TIA/EIA-222

**Typical installation of one 8' standard radome microwave antenna with stiff arm*



Monopole Stiff Arm Mounts

Application:	Monopoles
Size:	48" (1.2 m) arm
Design:	Chain mounted support arm
Feature:	Adapts stiff arm to monopole
Mounts to:	8" to 60" (203.2 mm to 1.5 m) OD
Material:	Hot dip galvanized steel
Includes:	Arm and chains
Order Separately:	Antenna chain mount and stiff arm



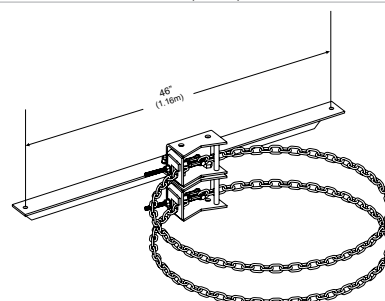
Part Number	Description	Weight, lb (kg)
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Monopole Stiff Arm Mount Kits, 8" to 30" (203.2 mm to 711.2 mm) OD, 25" to 94.2" (635 mm to 2393 mm) Circumference

CM-SL30	Light Duty Stiff Arm Mount, Single 8' (2.4 m) Chain	37.0 (16.8)
CM-SH30	Heavy Duty Stiff Arm Mount, Double 8' (2.4 m) Chains	50.0 (22.7)

Monopole Stiff Arm Mount Kits, 8" to 60" (203.2 mm to 1524 mm) OD, 25" to 188" (635 mm to 4785 mm) Circumference

CM-SL60	Light Duty Stiff Arm Mount, Single 16' (4.9 m) Chain	43.0 (19.5)
CM-SH60	Heavy Duty Stiff Arm Mount, Double 16' (4.9 m) Chains	62.0 (28.1)

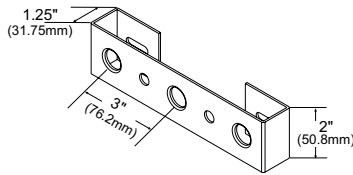


Monopole Applications

Coaxial Cable Support Components

Ex-Press® Coaxial Cable Mounting Band

- Application:** Monopoles
- Size:** 3/4" (19.1 mm) and 7/16" (11.1 mm) holes
- Design:** Coaxial cable support for the outside or inside of round structures
- Feature:** Universal expansion/compression band with quick clamp locking features *Patent # US 7,603,752
- Mounts to:** 10" to 60" (254 mm to 1524 mm) OD round or polygon monopole
- Material:** Aluminum and hot dip galvanized steel
- Includes:** Bracket and hardware
- Order Separately:** Snap-in hangers, butterfly hangers, coaxial cable blocks



Part Number	Description	Weight, lb (kg)
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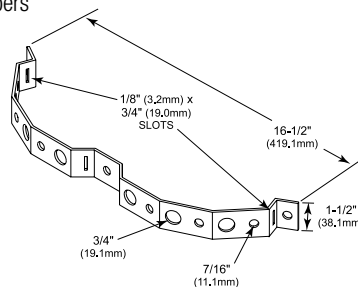
Ex-Press® Coax Mounting Band

EX-P1060	Expansion/Compression Coaxial Cable Mounting Band for 10" to 60" (254 mm to 1524 mm) OD Round or Polygon Monopoles or 36" to 60" (914.4 mm to 1524 mm) ID Access Tubes	6.2 (2.8)
EX-PH3	3 Hole Coaxial Cable Mounting Bracket for Expanding Line Capacity on Ex-Press® Band, Kit of 10	2.8 (1.2)



Universal Round Member Support Bracket

- Application:** Monopoles
- Size:** 3/4" (19.1 mm) and 7/16" (11.1 mm) holes
- Design:** Coaxial cable support for round members
- Feature:** Ideal for co-location
- Mounts to:** Round members
- Material:** Hot dip galvanized steel
- Includes:** Bracket
- Order Separately:** Banding



Part Number	Description	Weight, lb (kg)
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Universal Round Member Support Bracket

RM-USBG	Universal Round Member Support Bracket for 6 Runs, Kit of 10	9.0 (4.1)
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Banding Hardware

- Application:** Monopoles
- Size:** 1/2" x 100' (12.7 mm x 30.5 m)
- Design:** Heavy duty band and buckle clamping system
- Feature:** Complete banding solution
- Mounts to:** Round members
- Material:** Stainless steel versions
- Includes:** See description

Part Number	Description	Weight, lb (kg)
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Banding Hardware

MT-640	1/2" (12.7 mm) Stainless Steel Banding, 100' (30.5 m) Roll	5.3 (2.4)
MT-641	1/2" (12.7 mm) Stainless Buckle Clamps, Kit of 100	1.9 (0.9)
MT-644	C-2 Banding Tool	1.7 (0.8)

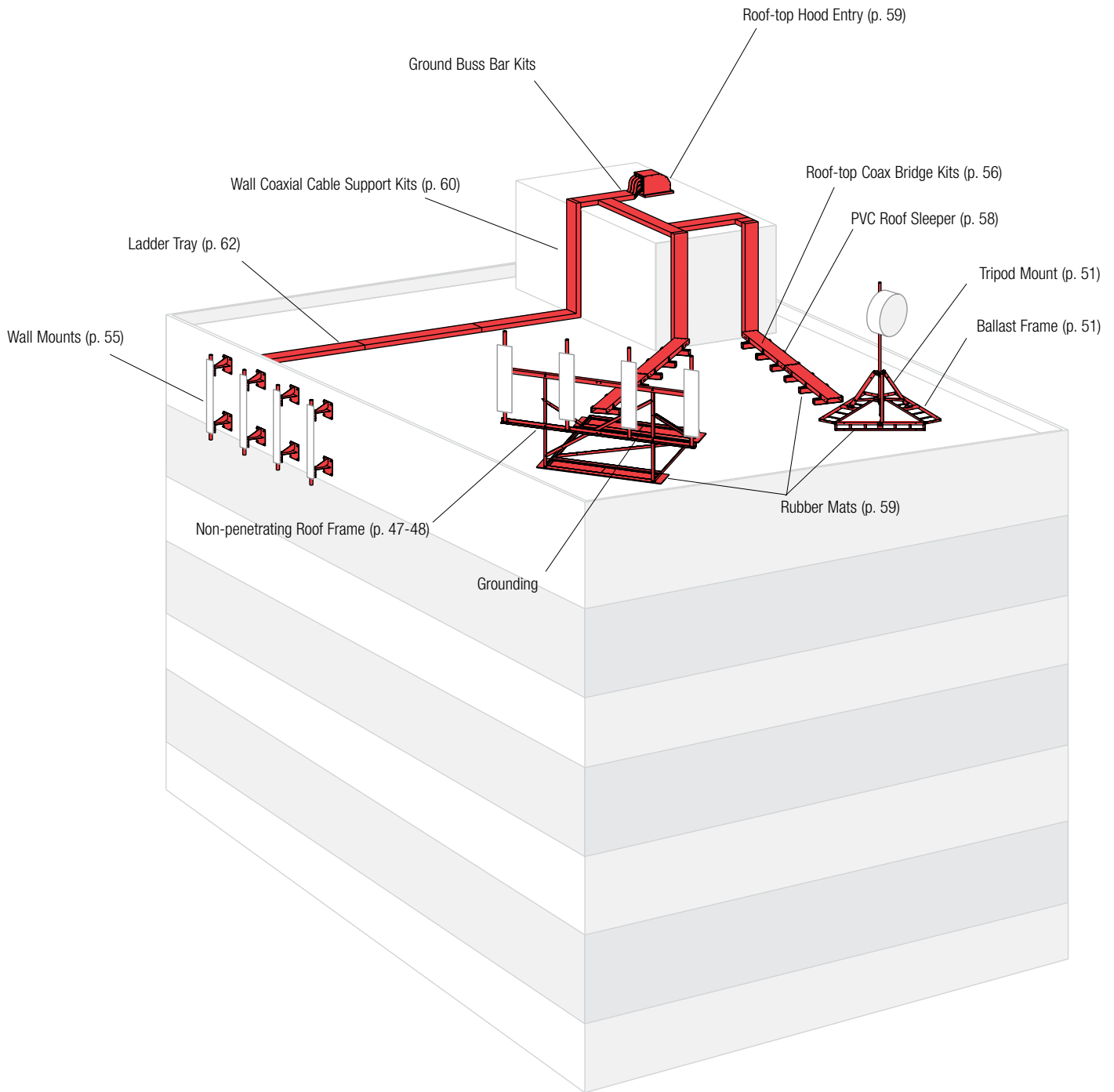




- **Roof Frames**
- **Mounting Components**
- **Coaxial Cable Support Components**
- **Ladder Tray**



Roof-Top Applications

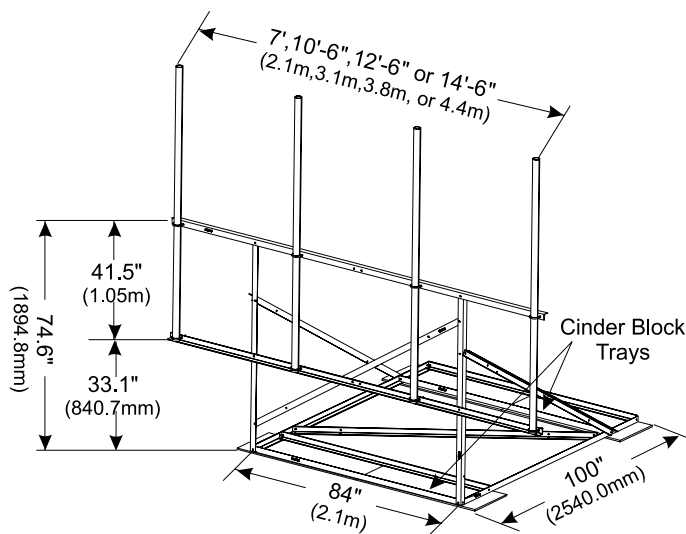
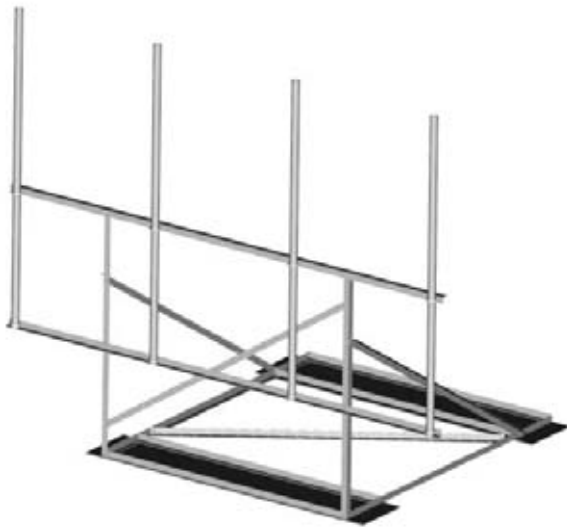


Roof-Top Applications

Roof Frames

Non-penetrating Roof Frames

Application:	Roof-top
Size:	7' to 14'-6" (2.1 m to 4.4 m) face
Design:	Single sector roof mount
Feature:	Complete kit
Material:	Hot dip galvanized steel
Includes:	Rubber mats, available with or without pipe mounts
Order Separately:	Pipes for B kits



Part Number	Description	Weight, lb (kg)
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Non-penetrating Roof Frame, 7' (2.1 m) Wide, Pipes Ordered Separately

RF-N7-B	2-3/8" (60.3 mm) OD, Pipes Ordered Separately	341.3 (154.8)
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Non-penetrating Roof Frame, 7' (2.1 m) Wide, Pipes Included

RF-N7-2-72	Two 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	384.5 (174.4)
RF-N7-2-96	Two 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	399.0 (181.0)
RF-N7-2-126	Two 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	416.9 (189.1)

Non-penetrating Roof Frame, 10'-6" (3.2 m) Wide, Pipes Ordered Separately

RF-N10-B	2-3/8" (60.3 mm) OD, Pipes Ordered Separately	356.3 (161.6)
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Non-penetrating Roof Frame, 10'-6" (3.2 m) Wide, Pipes Included

RF-N10-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	421.1 (191.0)
RF-N10-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	442.7 (200.8)
RF-N10-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	469.7 (213.1)
RF-N10-4-72	Four 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	442.7 (200.8)
RF-N10-4-96	Four 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	471.5 (213.9)
RF-N10-4-126	Four 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	507.5 (230.2)

Non-penetrating Roof Frames continued on next page

Wind Rating*: 85 mph (BWS) per latest revision of TIA/EIA-222 Exposure "C" per UBC, at 100' AGL

**Typical installation of four 120" x 8" panel antennas per sector
See Engineering Data Table for ballast*



Roof-Top Applications

Roof Frames

Non-penetrating Roof Frames *continued*



Non-penetrating Roof Frame

Part Number	Description	Weight, lb (kg)
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Non-penetrating Roof Frame, 12'-6" (3.8 m) Wide. Pipes Ordered Separately		
RF-N12-B	2-3/8" (60.3 mm) OD. Pipes Ordered Separately	372.0 (168.7)

Non-penetrating Roof Frame, 12'-6" (3.8 m) Wide. Pipes Included		
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RF-N12-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	436.8 (198.1)
RF-N12-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	458.4 (207.9)
RF-N12-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	485.4 (220.2)
RF-N12-4-72	Four 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	458.4 (207.9)
RF-N12-4-96	Four 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	487.2 (221.0)
RF-N12-4-126	Four 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	523.2 (237.3)

Non-penetrating Roof Frame, 14' -6" (4.5 m) Wide. Pipes Ordered Separately		
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RF-N14-B	2-3/8" (60.3 mm) OD. Pipes Ordered Separately	374.0 (169.6)
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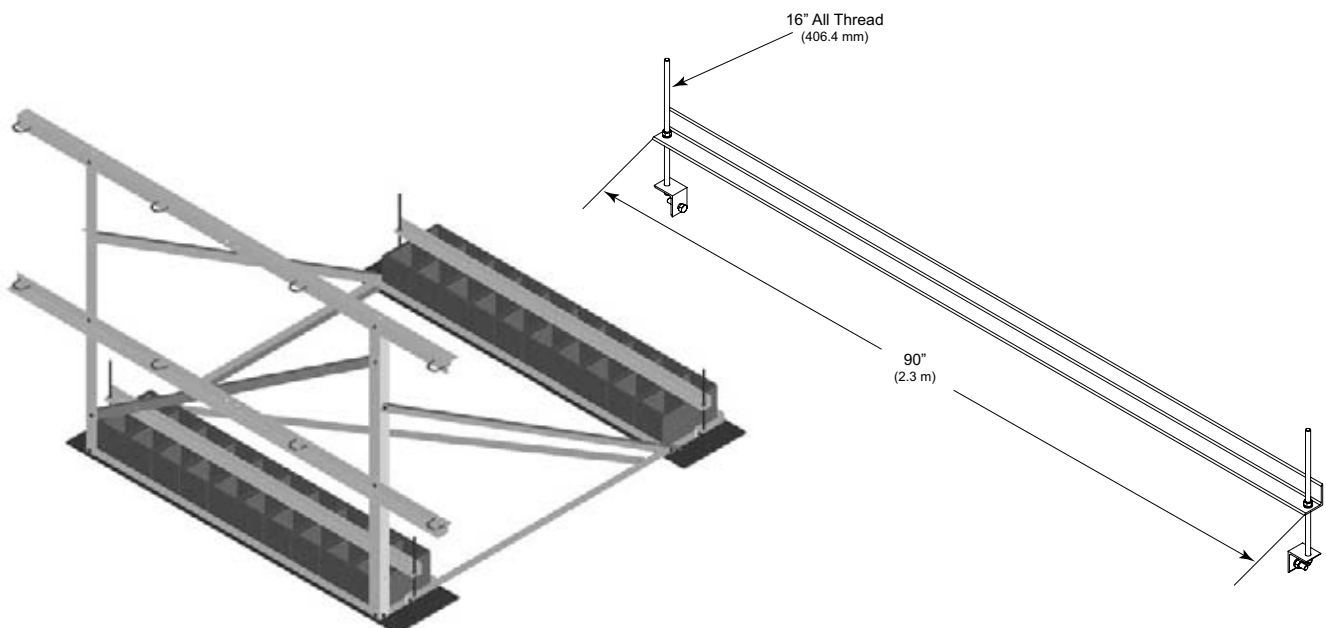
Non-penetrating Roof Frame, 14' -6" (4.5 m) Wide. Pipes Included		
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RF-N14-3-72	Three 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	438.8 (199.0)
RF-N14-3-96	Three 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	460.4 (208.8)
RF-N14-3-126	Three 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	487.4 (221.1)
RF-N14-4-72	Four 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	460.4 (208.8)
RF-N14-4-96	Four 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	489.2 (221.9)
RF-N14-4-126	Four 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	525.2 (238.2)

Part Number	Description	Weight, lb (kg)
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Non-penetrating Sled Tie Down Kit		
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RF-TDK	Non-penetrating Sled Tie Down Kit, Two Needed for RF-N Series, Three Needed for MT-416.	30 (13.6)
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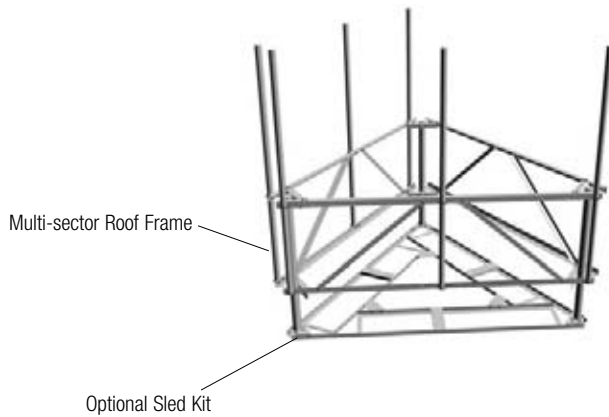


Roof-Top Applications

Roof Frames

Multi-sector Roof Frame

Application:	Roof-top
Size:	10' (3 m) face
Design:	Triangular 3-sector frame
Feature:	Single mounting solution
Mounts to:	Penetrating or non-penetrating
Material:	Hot dip galvanized steel
Includes:	Mount and u-bolts
Order Separately:	Pipes, sled kit, and rubber mats

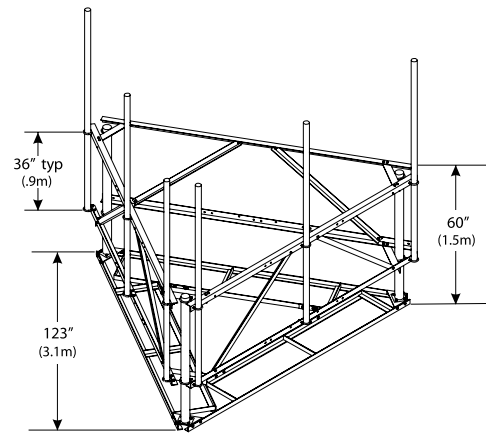


Part Number	Description	Weight, lb (kg)
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Multi-sector Roof Frame

MT-180	Multi-sector Roof Frame, 2-3/8" (60.3 mm) OD, Pipes Ordered Separately	465.6 (211.2)
MT-181	Non-penetrating Sled Kit for Multi-sector Roof Frame	190.3 (86.3)
MT-F1637	Rubber Mat, 1/2" x 18" x 48" (12.7 mm x 0.5 m x 1.2 m)*, Six Mats Required for Sled Kit	16.2 (7.3)

*Additional roof frame sizes available, contact your customer support center



Non-penetrating Roof Mount

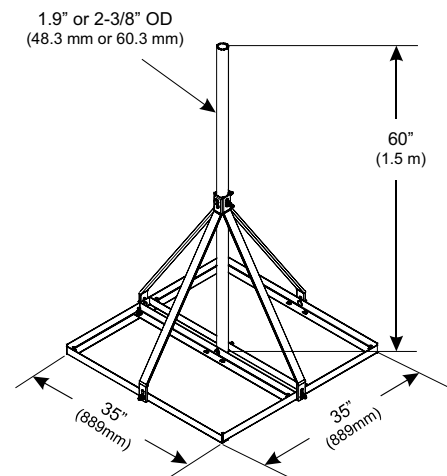
Application:	Roof-top
Size:	35" (0.9 m) square base
Design:	Non-penetrating
Feature:	Simple bolt together design
Material:	Hot dip galvanized steel
Includes:	Mast, supports, and ballast tray
Order Separately:	Rubber mats



Part Number	Description	Weight, lb (kg)
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Non-penetrating Roof Mount

RM-SM190-60	Non-penetrating Roof Mount, 1.9" OD x 60" (48.3 mm OD x 1.5 m) Pipe	60 (27.2)
RM-SM238-60	Non-penetrating Roof Mount, 2-3/8" OD x 60" (60.3 mm OD x 1.5 m) Pipe	66 (30)



Roof-Top Applications

Mounting Components

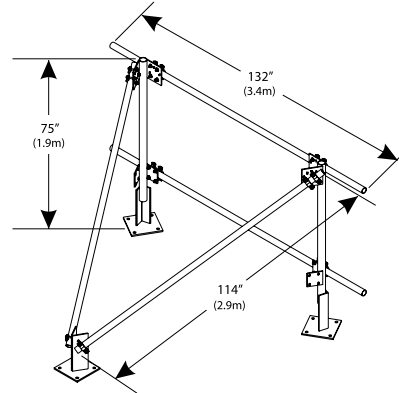
Roof-top Mount

Application:	Roof-top
Size:	11' (3.4 m) face
Design:	Single sector roof mount, 2-3/8" (60.3 mm) OD design
Feature:	Adjustable face design
Material:	Hot dip galvanized steel
Includes:	Mount
Order Separately:	Pipe, cross-over kits, and anchors

Part Number	Description	Weight, lb (kg)
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Roof-top Mount

TP-100	Roof-top Mount	383.0 (173.7)
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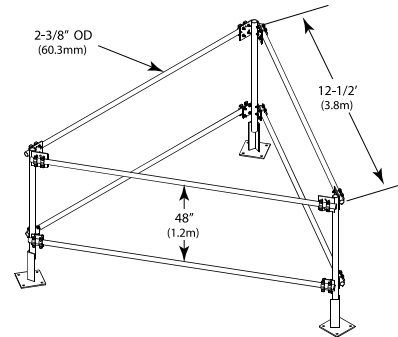
Multi-sector Roof-top Mount

Application:	Roof-top
Size:	12'-6" (3.8 m) face
Design:	Triangular 3-sector frame, 2-3/8" (60.3 mm) OD design
Feature:	Adjustable face design
Material:	Hot dip galvanized steel
Includes:	Mount
Order Separately:	Pipe, cross-over kits, and anchors

Part Number	Description	Weight, lb (kg)
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Multi-sector Roof-top Mount

TP-300	Multi-sector Roof-top Mount	568.6 (257.9)
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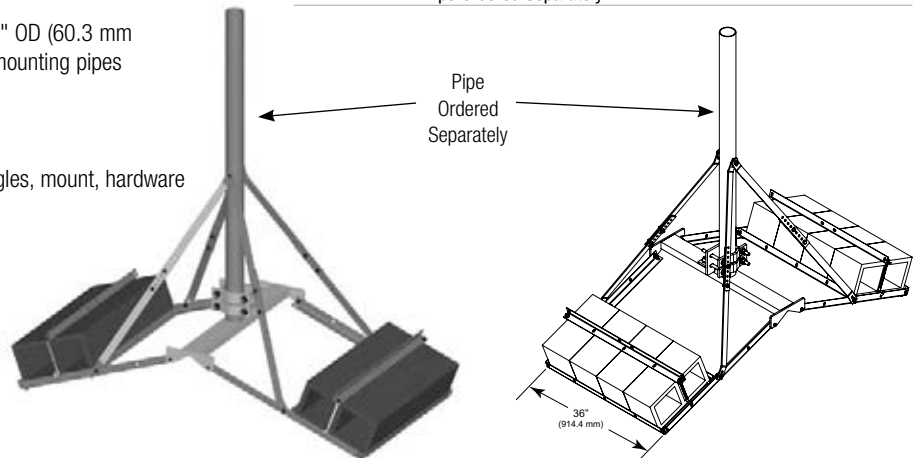
Non-penetrating Roof-top Peak Frames

Application:	Roof-top
Size:	36" (914.4 mm) wide ballast trays
Design:	Non-penetrating design
Feature:	Accepts 2-3/8" to 4-1/2" OD (60.3 mm to 114.3 mm) antenna mounting pipes
Mounts to:	Peaked roofs
Material:	Hot dip galvanized steel
Includes:	Ballast tray, tie down angles, mount, hardware
Order Separately:	Antenna mounting pipes

Part Number	Description	Weight, lb (kg)
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Non-penetrating Roof-top Peak Frames

RT-PM-B	Non-penetrating Roof-top Peak Frame, Base Kit. 2-3/8" to 4-1/2" OD (60.3 mm x 114.3 mm OD) Pipe Ordered Separately	105 (47.6)
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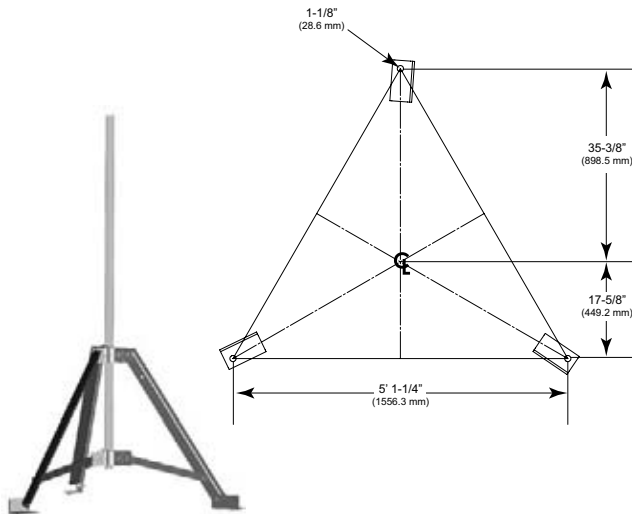


Roof-Top Applications

Mounting Components

Universal Tripod Mounts

Application:	Roof-top
Size:	2-3/8" (60.3 mm), 2-7/8" (73 mm), 3-1/2" (88.9 mm, or 4-1/2" (114.3 mm) OD
Design:	Heavy duty tripod mount
Feature:	Interchangeable base unit
Material:	Hot dip galvanized steel
Includes:	Mount, with or without pipe
Order Separately:	Roof sled and pipe



Part Number	Description	Weight, lb (kg)
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Universal Tripod Mount, 2-3/8" (60.3 mm) OD

TP-G238-B	Base Only for 2-3/8" (60.3 mm) OD, Pipe Ordered Separately	114.3 (51.8)
TP-G238-72	2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	135.9 (61.6)
TP-G238-96	2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	143.1 (64.9)
TP-G238-126	2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	152.1 (69.0)

Universal Tripod Mount, 2-7/8" or 3-1/2" (73 mm or 88.9 mm) OD

TP-G300-B	Base Only for 2-7/8" (73 mm) or 3-1/2" (88.9 mm) OD, Pipe Ordered Separately	114.3 (51.8)
TP-G300-72	2-7/8" OD x 72" (73 mm OD x 1.8 m)	145 (65.8)
TP-G300-96	2-7/8" OD x 96" (73 mm OD x 2.4 m)	160 (72.6)
TP-G300-126	2-7/8" OD x 126" (73 mm OD x 3.2 m)	170 (77.1)
TP-G312-72	3-1/2" OD x 72" (88.9 mm OD x 1.8 m)	150 (68.0)
TP-G312-96	3-1/2" OD x 96" (88.9 mm OD x 2.4 m)	170 (77.1)
TP-G312-126	3-1/2" OD x 126" (88.9 mm OD x 3.2 m)	190 (86.2)

Universal Tripod Mount, 4-1/2" (114.3 mm) OD

TP-G412-B	Base Only for 4-1/2" (114.3 mm) OD, Pipe Ordered Separately	173.4 (78.7)
TP-G412-72	4-1/2" OD x 72" (114.3 mm OD x 1.8 m)	238.2 (108.0)
TP-G412-96	4-1/2" OD x 96" (114.3 mm OD x 2.4 m)	259.8 (117.8)
TP-G412-126	4-1/2" OD x 126" (114.3 mm OD x 3.2 m)	286.8 (130.1)
TP-G412-150	4-1/2" OD x 150" (114.3 mm OD x 3.8 m)	308.4 (139.9)

Wind Rating*: 85 mph (BWS) per latest revision of TIA/EIA-222 Exposure "C" per UBC, at 100' AGL

*Typical installation of one 6" standard microwave antenna using 4-1/2" pipe must See Engineering Data Table for ballast

Non-penetrating Roof Ballast Sled for Tripods

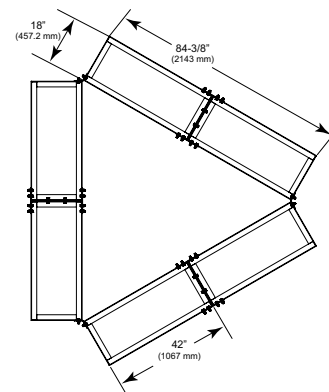
Application:	Roof-top
Size:	87" (2.2 m) faces
Design:	Converts tripods to non-penetrating
Feature:	Three ballast trays
Material:	Hot dip galvanized steel
Includes:	Sled only
Order Separately:	Tripod and rubber mats



Part Number	Description	Weight, lb (kg)
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Non-penetrating Roof Ballast Sled for Tripods

MT-416	Non-penetrating Roof Sled, Tripod Mount Ordered Separately	171.7 (77.9)
MT-F1637	Rubber Mat, 1/2" x 18" x 48" (12.7 mm x 0.5 m x 1.2 m), Six Mats Required for Ballast Tray	16.2 (7.3)

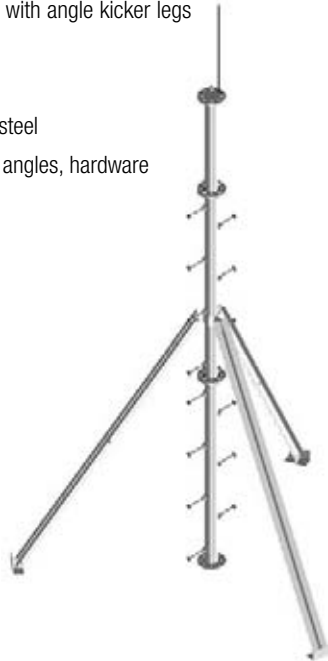


Roof-Top Applications

Mounting Components

Roof-top Monopole Tripods

- Application:** Roof-top
- Design:** Spliced center pole with angle kicker legs
- Feature:** Splice vertical post
- Mounts to:** Roof-top
- Material:** Hot dip galvanized steel
- Includes:** Center post, kicker angles, hardware

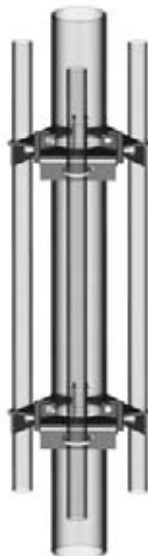


Part Number	Description	Weight, lb (kg)
Monopole Tripod Assemblies		
RT-MPT-3	Roof-top Monopole Tripod Assembly, 3 Meter (9'-9") Mast	380 (172.4)
RT-MPT-4	Roof-top Monopole Tripod Assembly, 4 Meter (13'-1") Mast	405 (183.7)
RT-MPT-5	Roof-top Monopole Tripod Assembly, 5 Meter (16'-5") Mast	470 (213.2)
RT-MPT-6	Roof-top Monopole Tripod Assembly, 6 Meter (19'-8") Mast	505 (229.1)
RT-MPT-7	Roof-top Monopole Tripod Assembly, 7 Meter (22'-11") Mast	565 (256.3)

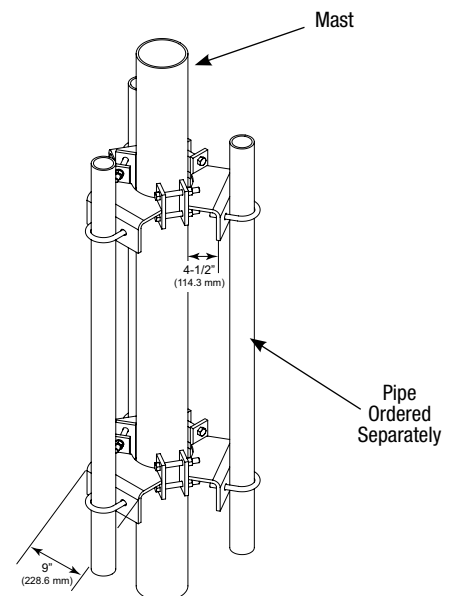
Custom Assemblies Available

Multi-sector Cluster Mount

- Application:** Roof-top
- Design:** 3-sector clamp-on mount
- Feature:** Ideal for tripods
- Mounts to:** 4" to 8" (101.6 mm to 203.2 mm) OD member
- Material:** Hot dip galvanized steel
- Includes:** Brackets and u-bolts
- Order Separately:** 2-3/8" OD (60.3 mm) pipes



Part Number	Description	Weight, lb (kg)
Multi-sector Cluster Mount Pipes Ordered Separately		
TP-MSC	Multi-sector Cluster Mount for 4" OD to 6" OD (114.3 mm OD to 152.4 mm OD) Pipe	44.7 (20.3)
TP-MSC-68	Multi-sector Cluster Mount for 6" OD to 8" OD (152.4 mm OD to 203.2 mm OD) Pipe	46.7 (21.2)

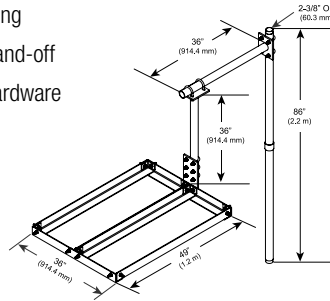


Roof-Top Applications

Mounting Components

Non-penetrating Parapet Roof Mount

- Application:** Roof-top
Size: 36" (0.9 m) x 49" (1.2 m) frame with a 2-3/8" (60.3 mm) x 86" (2.2 m) mounting pipe
Design: Non-penetrating
Feature: Adjustable stand-off
Includes: Mount and hardware



Part Number	Description	Weight, lb (kg)
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Non-penetrating Parapet Roof Mount

RF-PM86	2-3/8" OD x 86" (60.3 mm OD x 2.2 m) Adjustable Mast Pipe	72.7 (33.0)
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Aluminum Tripod Mount

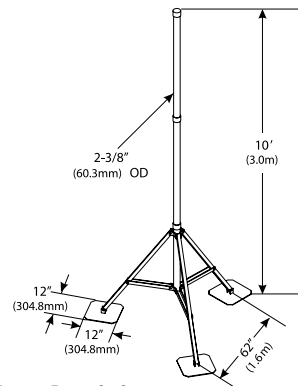
- Application:** Roof-top
Size: 10' (3 m) high
Design: Temporary mount
Feature: Lightweight, mobile use
Mounts to: Ballast-secured design
Material: Aluminum
Includes: Mount



Part Number	Description	Weight, lb (kg)
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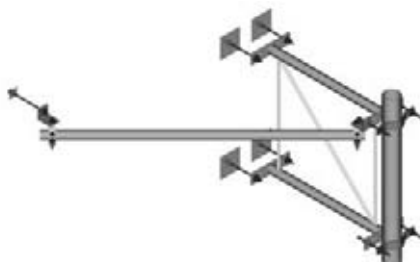
Aluminum Tripod Mount

MT-423	Aluminum Tripod Mount, 2-3/8" OD x 10' (60.3 mm OD x 3 m) Mast	35.0 (15.9)
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Stand-off Wall Mount

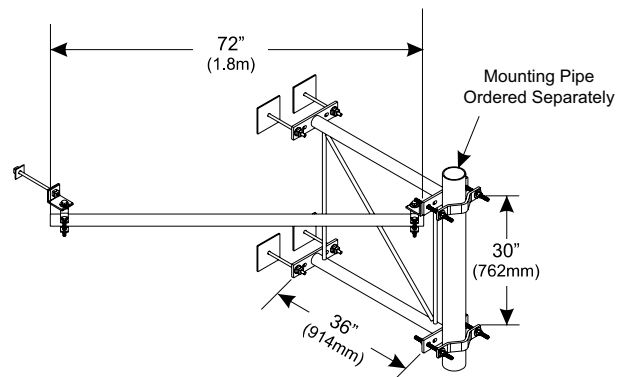
- Application:** Roof-top
Size: 36" (914.4 mm) stand-off
Design: Welded stand-off mount
Feature: Heavy duty for microwave antennas
Mounts to: Walls
Material: Hot dip galvanized steel
Includes: Bracket, stiff-arm, and wall mount hardware
Order Separately: 3-1/2" (88.9 mm) or 4-1/2" (114.3 mm) OD pipe



Part Number	Description	Weight, lb (kg)
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Stand-off Wall Mount

DM-300	Stand-off Wall Mount, 36" (914 mm), for Solid and Hollow Walls, Includes 72" (1.8 m) Stiff Arm	151 (68.4)
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Roof-Top Applications

Mounting Components

Cantilever Wall Mount Bracket

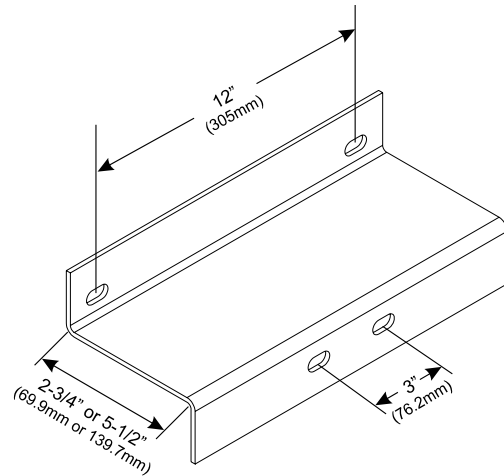
- Application:** Roof-top
- Size:** 14-1/2" (368.3 mm) wide,
2-3/4" (69.85 mm) or 5-1/2" (139.7 mm) Deep
- Design:** Z-shaped wall brackets
- Feature:** Low profile design
- Mounts to:** Solid or hollow walls
- Material:** Hot dip galvanized steel
- Includes:** Two brackets, u-bolts, anchors, and wall mount hardware
- Order Separately:** 2-3/8" (60.3 mm) OD pipe



Part Number	Description	Weight, lb (kg)
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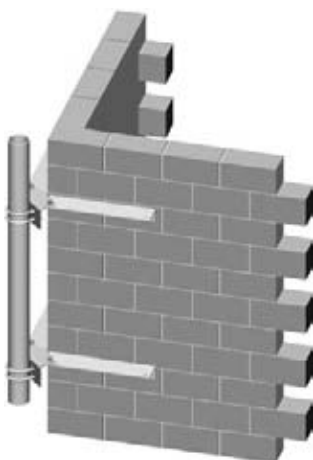
Cantilever Wall Mount Bracket for 2-3/8" Pipe

MT-250	2-3/4" (69.9 mm) Stand-off Pipe Ordered Separately, Kit of 2	20.6 (9.3)
MT-250L	5-1/2" (139.7 mm) Stand-off, Pipe Ordered Separately, Kit of 2	24.5 (11.1)



Corner Wall Mounts

- Application:** Roof-top
- Design:** V-shaped corner mount
- Feature:** Adjustable clamp spacing
- Mounts to:** Wall corners
- Material:** Hot dip galvanized steel
- Includes:** Two brackets, pipe mount, and wall mount hardware



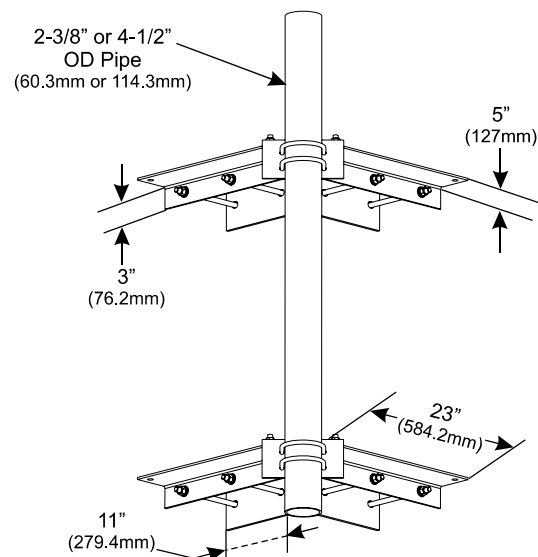
Part Number	Description	Weight, lb (kg)
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Corner Wall Mount With 2-3/8" (60.3 mm) OD Antenna Pipe

CW-M2-63	63" (1.6 m) Pipe	123.7 (56.1)
CW-M2-96	96" (2.4 m) Pipe	133.6 (60.6)

Corner Wall Mount With 4-1/2" (114.3 mm) OD Antenna Pipe

CW-M4-63	63" (1.6 m) Pipe	161.5 (73.3)
CW-M4-96	96" (2.4 m) Pipe	191.2 (86.7)



Roof-Top Applications

Mounting Components

Adjustable Wall Mounts

Application:	Roof-top
Size:	12" (304.8 mm) square plate, 6-1/4" (158.75 mm) or 12" (304.8 mm) Deep
Design:	Welded dual brackets
Feature:	Variable spacing flexibility
Mounts to:	Versions for hollow or solid walls
Material:	Hot dip galvanized steel
Includes:	Two wall brackets and backing plates or anchors
Order Separately:	U-bolts and 2-3/8" through 4-1/2" OD (60.3 mm through 114.3 mm) pipe

Part Number	Description	Weight, lb (kg)
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Adjustable Wall Mounts, 6" (152.4 mm) Stand-off

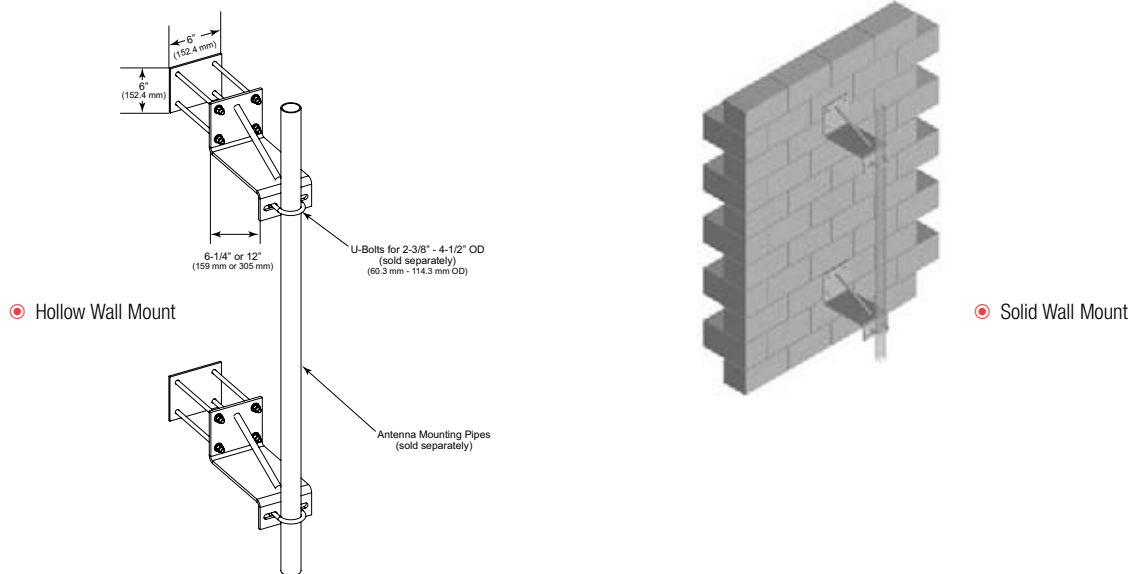
MT-221	For Hollow Walls, Includes Backing Plates, Kit of 2	68.6 (31.1)
MT-222	For Solid Walls, Includes Wall Anchors, Kit of 2	45.5 (20.6)

Adjustable Wall Mounts, 12" (304.8 mm) Stand-off

MT-221L	For Hollow Walls, Includes Backing Plates, Kit of 2	75.3 (34.2)
MT-222L	For Solid Walls, Includes Wall Anchors, Kit of 2	50.7 (23.0)

Optional Backing Plate

MT-223	Backing Plate Kit	23.1 (10.5)
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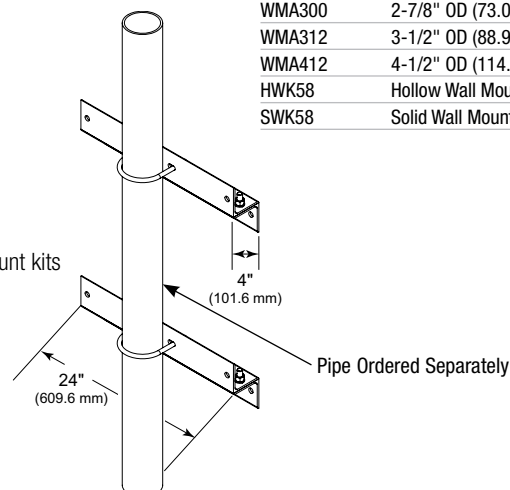
Angle Wall Mounts

Application:	Wall mounts
Size:	Four versions
Design:	Back to back angles
Feature:	3" (76.2 mm) or 4" (101.6 mm) Stand-off
Mounts to:	Solid or hollow walls
Material:	Hot dip galvanized steel
Includes:	Angles, hardware
Order Separately:	Pipe, hollow or solid wall mount kits

Part Number	Description	Weight, lb (kg)
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Angle Wall Mount Kits

WMA238	2-3/8" OD (60.3 mm) Pipe Ordered Separately	27 (12.3)
WMA300	2-7/8" OD (73.0 mm) Pipe Ordered Separately	27 (12.3)
WMA312	3-1/2" OD (88.9 mm) Pipe Ordered Separately	55 (25)
WMA412	4-1/2" OD (114.3 mm) Pipe Ordered Separately	55 (25)
HWK58	Hollow Wall Mount Kit	5 (2.3)
SWK58	Solid Wall Mount Kit	5 (2.3)

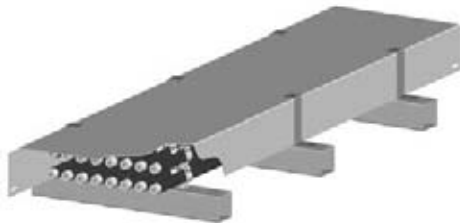


Roof-Top Applications

Coaxial Support Components

Self Splicing, Coaxial Cable Cover Kits for SnapStak® Snap-in Hangers

- Application:** Roof-top
- Size:** 8' (2.4 m) long
- Design:** Self splicing cover with PVC sleeper supports and hold-down clamps, simplified cover installation
- Feature:** Stack up to two 1-5/8" or three 7/8" SnapStak® hangers per hole
- Mounts to:** Non-penetrating design
- Material:** Galvanized steel
- Includes:** Channel, three sleepers, hold-down clamps, and hardware
- Order Separately:** Adjustable splice for roof-top coaxial cable bridge

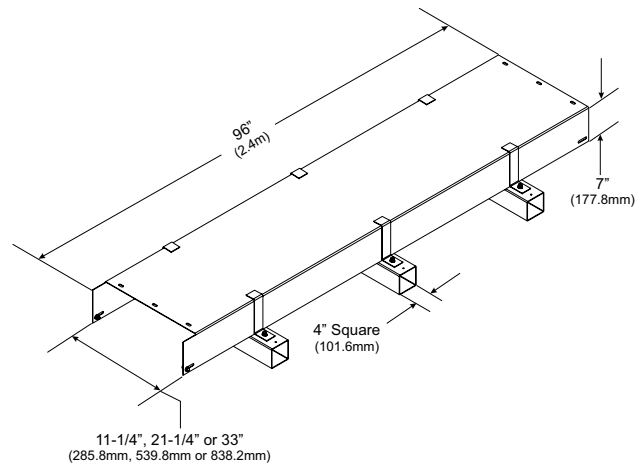


Shown with double 1-5/8" SnapStak® hangers
Allows triple stacking of 7/8" SnapStak® hangers

Part Number	Description	Weight, lb (kg)
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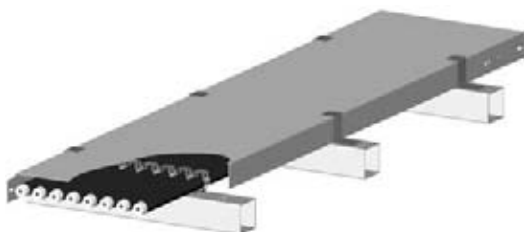
Roof-top Cover Kits for SnapStak® Snap-in Hangers

RT-CB4D	4 Holes	86.0 (39.0)
RT-CB8D	8 Holes	122.5 (55.6)
RT-CB12D	12 Holes	162.5 (73.7)



Self Splicing Roof-top Coax Bridge Kits

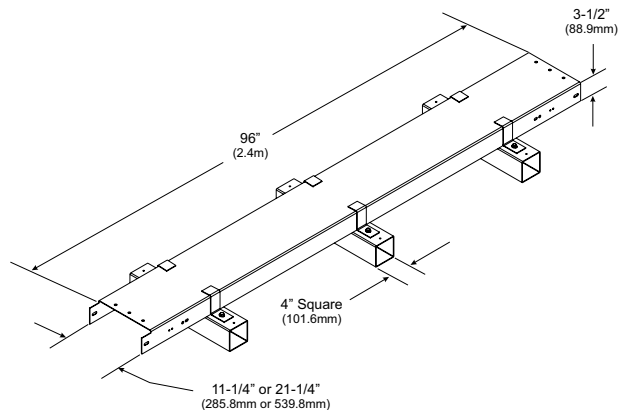
- Application:** Roof-top
- Size:** 8' (2.4 m) long
- Design:** Self splicing cover with PVC sleeper supports and hold-down clamps, simplified cover installation
- Feature:** 4-, 8- and 12-run versions
- Mounts to:** Non-penetrating design
- Material:** Galvanized steel
- Includes:** Channel, three sleepers, hold down clamps, and hardware
- Order Separately:** Adjustable splice for roof-top coaxial cable bridge



Part Number	Description	Weight, lb (kg)
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Roof-top Coax Bridge Kit, 12-Gauge (3 mm) Cover

MT-F1542-11	4 Holes	76.6 (34.7)
MT-F1543	8 Holes	112.3 (50.9)
MT-F1595	12 Holes, Includes 4 and 8 Run Covers	180.4 (81.8)



Roof-Top Applications

Coaxial Support Components

Adjustable Splice for Roof-top Coaxial Cable Bridge Kits

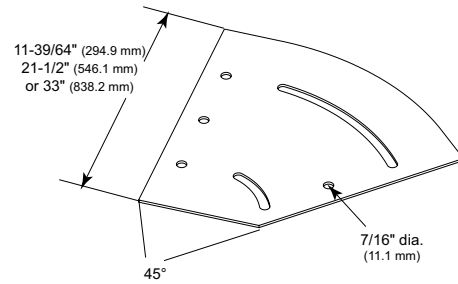
- Application:** Roof-top
Design: Slotted splice plate
Feature: Up to 45° horizontal adjustment
Mounts to: Roof-top bridge kits
Material: Galvanized steel
Includes: Splice and hardware



Part Number	Description	Weight, lb (kg)
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Adjustable Splice Bridge Kit

MT-F1573-11	4-Run Bridge Kit	3.7 (1.7)
MT-F1574	8-Run Bridge Kit	9.5 (4.3)
MT-F1597	12-Run Bridge Kit	19.9 (9.0)



Hardware Kits for Tripod Mounts

- Application:** Roof-top
Size: 7/8" (22.2 mm) threaded rod
Design: Anchor and thru-roof designs
Feature: Secures tripod in penetrating applications
Mounts to: Solid or hollow surfaces
Material: Galvanized
Includes: Bolts and hardware
Order Separately: Tripod



● MT-421

Part Number	Description	Weight, lb (kg)
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Hardware Kits for Tripod Mounts

MT-421	Anchor Set for Galvanized Tripod Mount	4.8 (2.2)
MT-422	Thru-bolt Set for Galvanized Tripod Mount	8.5 (3.9)



● MT-422

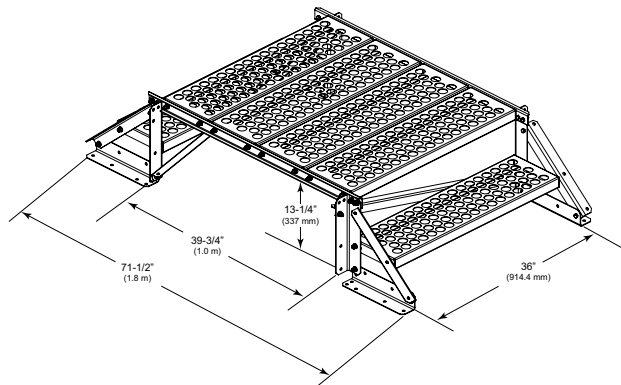
Roof-top Cable Tray Step Over

- Application:** Roof-top
Size: 36" x 71.5" x 16.25"
 (914.4 mm x 1816.1 mm x 412.75 mm)
Design: Bolt together step
Feature: Step over for ladder tray systems
Mounts to: Up to 24" (609.6 mm) wide ladder tray
Material: Hot dip galvanized steel
Includes: Step over and hardware
Order Separately: Ladder tray

Part Number	Description	Weight, lb (kg)
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Roof-top Cable Tray Step Over

RT-ST	Roof-top Cable Tray Step Over	211.0 (95.7)
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Roof-Top Applications

Coaxial Support Components

Extension Kit for Roof-top Coaxial Cable Bridge Kits

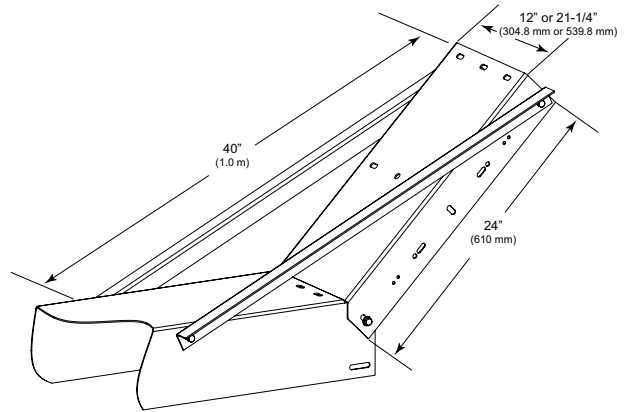
- Application:** Roof-top
Design: Hinged extension for roof bridge
Feature: Up to 45° vertical adjustment
Mounts to: Roof-top bridge kits
Material: Galvanized steel
Includes: Extension and hardware



Part Number	Description	Weight, lb (kg)
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Extension Kit for Roof-top Coaxial Cable Bridge Kits

MT-F1703	Extension Kit for 4-Run Bridge Kit	30.0 (13.6)
MT-F1704	Extension Kit for 8-Run Bridge Kit	39.0 (17.7)



PVC Roof Sleepers

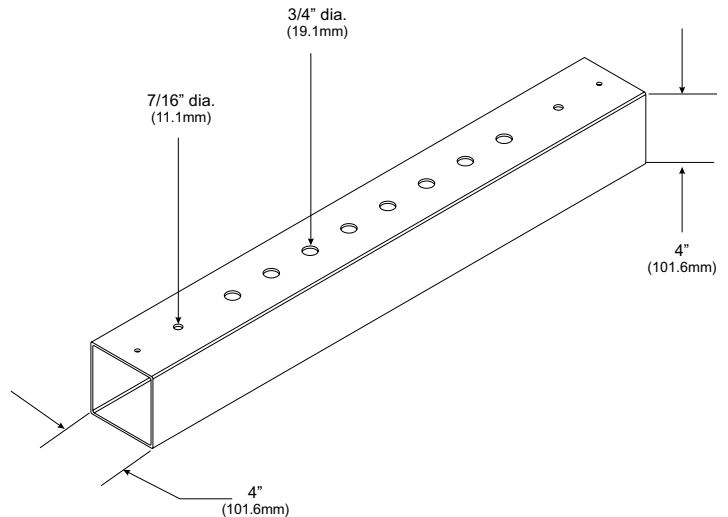
- Application:** Roof-top
Design: 4" (101.6 mm) square coaxial cable support
Feature: 3/4" (19.1 mm) holes for SnapStak® snap-in hangers
Mounts to: Non-penetrating design
Material: PVC



Part Number	Description	Weight, lb (kg)
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PVC Roof Sleeper

MT-F1585	No Holes, 8' (2.4 m) Long	14.4 (6.5)
MT-F1724	3 Runs of Coaxial Cable	2.4 (1.1)
MT-F1598	4 Runs of Coaxial Cable	2.9 (1.3)
MT-F1725	6 Runs of Coaxial Cable	5.4 (2.4)
MT-F1599	8 Runs of Coaxial Cable	5.3 (2.4)
MT-F1726	9 Runs of Coaxial Cable	5.7 (2.6)
MT-F1600	12 Runs of Coaxial Cable	7.3 (3.3)



Roof-Top Applications

Coaxial Support Components

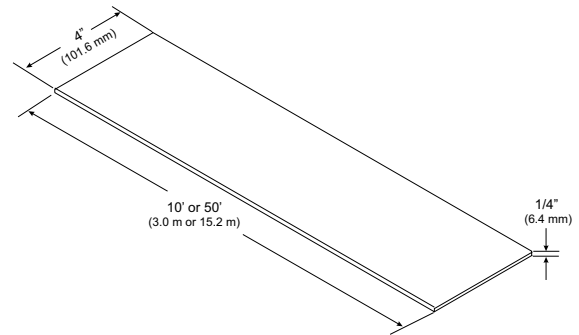
Rubber Sleeper Pad

Application:	Roof-top
Design:	Pad to protect roof surface
Feature:	Prevents slippage
Material:	Rubber
Order Separately:	Sleepers

Part Number	Description	Weight, lb (kg)
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Rubber Sleeper Pad, 4" x 1/4" (101.6 mm x 6.4 mm)

CT-P4	10' (3 m) Roll	5.8 (2.6)
CT-P50	50' (15.2 m) Roll	35 (158)



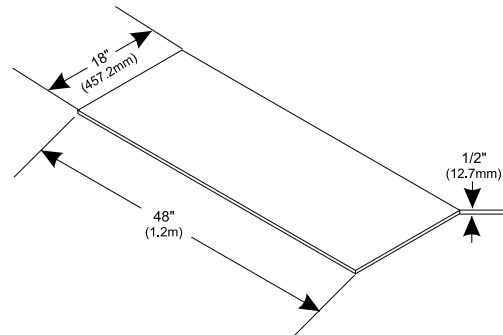
Rubber Mat

Application:	Roof-top
Size:	1/2" x 18" x 48" (12.7 x 183.0 x 1.2 m)
Design:	Pad to protect roof surface
Feature:	Prevents slippage
Material:	Rubber

Part Number	Description	Weight, lb (kg)
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Rubber Mat

MT-F1637	Rubber Mat, 1/2" x 18" x 48" (12.7 mm x 0.5 m x 1.2 m)	16.2 (7.3)
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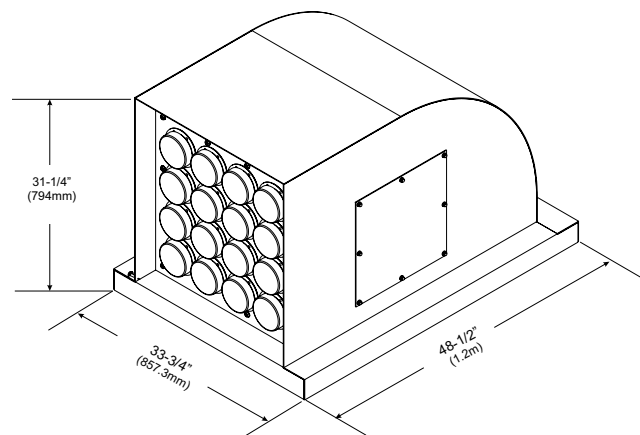
Roof-top Hood Entry

Application:	Entry port solutions
Size:	26" x 41" (660.4 mm x 1.04 m) opening
Design:	Pre-assembled
Feature:	Simplifies assembly
Mounts to:	Roofs
Material:	Galvanized steel
Includes:	Hood
Order Separately:	204673-16 entry panel and boot assemblies

Part Number	Description	Weight, lb (kg)
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Roof-top Hood Entry

MT-365G	Roof-top Hood Entry Kit	230 (104.33)
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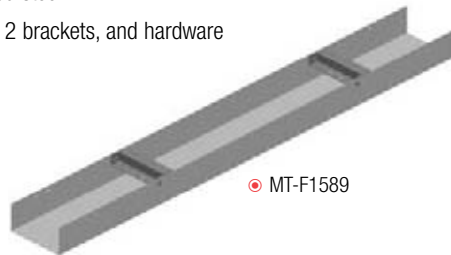


Roof-Top Applications

Coaxial Support Components

Wall Coaxial Cable Support Kits

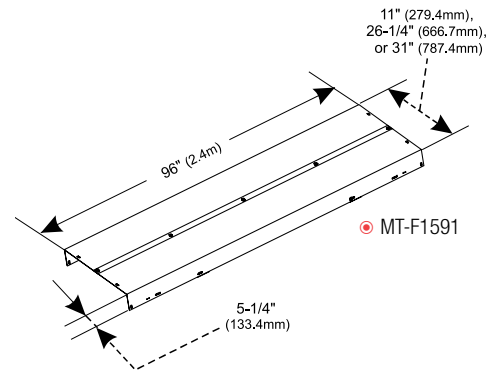
Application:	Roof-top
Size:	8' (2.4 m) long
Design:	Solid cover with wall mount brackets
Feature:	4-, 8- and 12-run versions
Mounts to:	Penetrating design
Material:	Galvanized steel
Includes:	Channel, 2 brackets, and hardware
Order Separately:	Anchors



Part Number	Description	Weight, lb (kg)
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Wall Coaxial Cable Support Kit

MT-F1589	4 Runs of Coaxial Cable	56.7 (25.7)
MT-F1590	8 Runs of Coaxial Cable	73.8 (33.5)
MT-F1591	12 Runs of Coaxial Cable, Self-splicing	102.7 (46.6)



Splice Kit for Wall Coaxial Cable Support Kits

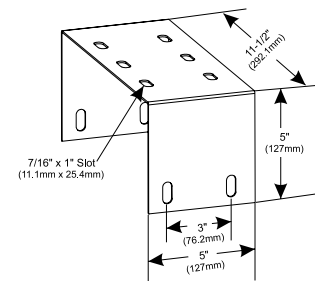
Application:	Roof-top
Size:	Two widths
Design:	Bolt-on splice for wall kits
Feature:	Allows interconnection of sections
Mounts to:	Wall coaxial cable support kits
Material:	Galvanized steel
Includes:	Splice and hardware



Part Number	Description	Weight, lb (kg)
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Splice Kit for Wall Coaxial Cable Support Kits

MT-F1607	Splice for 4 Run Wall Kit	2.5 (1.1)
MT-F1608	Splice for 8 Run Wall Kit	3.8 (1.7)



Wall Mount Brackets

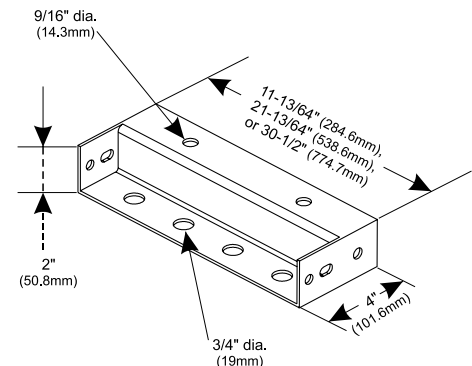
Application:	Roof-top
Size:	3/4" (19.1 mm) holes
Design:	Bracket for walls or ceilings
Feature:	Flush surface mounting
Mounts to:	Penetrating design
Material:	Hot dip galvanized steel
Includes:	Bracket
Order Separately:	Mounting anchors



Part Number	Description	Weight, lb (kg)
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Wall Mount Brackets

MT-F1586	Wall Mount Bracket for 4 Runs of Coaxial Cable	2.1 (1.0)
MT-F1587	Wall Mount Bracket for 8 Runs of Coaxial Cable	4.1 (1.9)
MT-F1588	Wall Mount Bracket for 12 Runs of Coaxial Cable	6.2 (2.8)

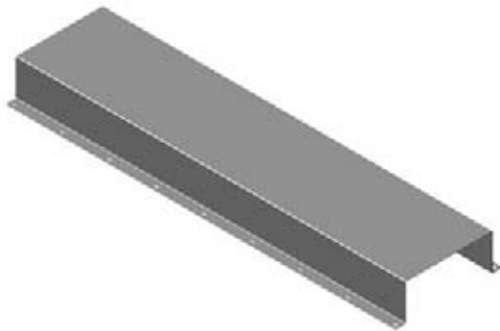


Roof-Top Applications

Coaxial Support Components

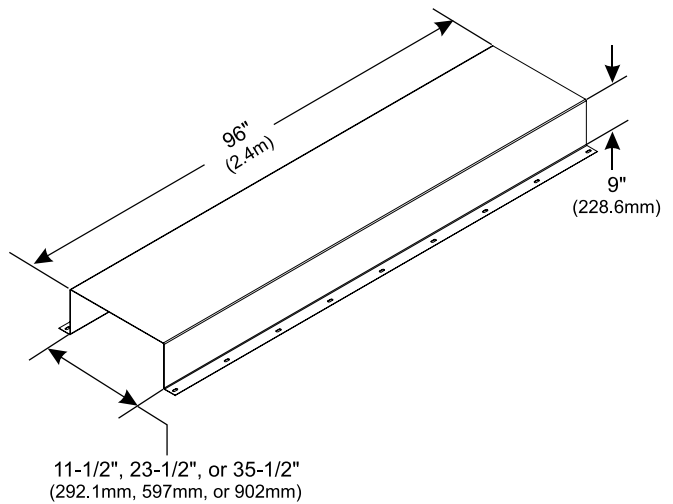
Z-bracket, Wall Coax Support Covers for SnapStak[®] Hangers

- Application:** Roof-top
- Size:** 8' (2.4 m) long
- Design:** Solid cover for 4-, 8-, and 12- hole z-brackets
- Feature:** Stack up to two 1-5/8" or three 7/8" SnapStak[®] hangers per hole – three versions
- Mounts to:** Penetrating design
- Material:** Galvanized steel
- Includes:** Cover
- Order Separately:** Z-brackets and anchors



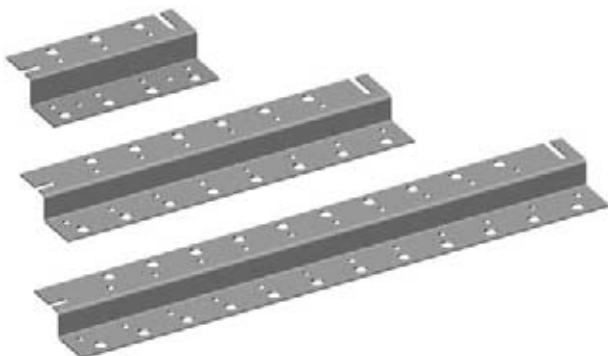
Allows double stacking of 1-5/8" SnapStak[®] hangers
Allows triple stacking of 7/8" SnapStak[®] hangers

Part Number	Description	Weight, lb (kg)
Z-bracket, Wall Coax Support Covers for SnapStak[®] Hangers		
WC-SC4D	4-Hole Cover, Three ZB-H4 Horizontal Z-brackets Required, Ordered Separately	73.3 (33.2)
WC-SC8D	8-Hole Cover, Three ZB-H8's Horizontal Z-brackets Required, Ordered Separately	99.5 (45.1)
WC-SC12D	12-Hole Cover, Three ZB-H12's Horizontal Z-brackets Required, Ordered Separately	125.8 (57.0)

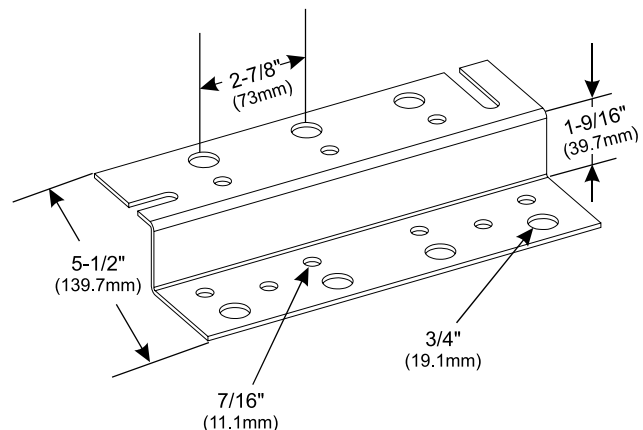


Horizontal Z-brackets

- Application:** Roof-top
- Size:** 3/4" (19.1 mm) and 7/16" (11.1 mm) holes
- Design:** Z-shaped coaxial cable bracket
- Feature:** Fits any hanger style
- Material:** Hot dip galvanized steel
- Includes:** Z-bracket
- Order Separately:** Mounting anchors



Part Number	Description	Weight, lb (kg)
Horizontal Z-bracket		
ZB-H4	11" (279.4 mm) Wide for 7 Runs of Coaxial Cable	2.6 (1.2)
ZB-H8	23" (584.2 mm) Wide for 14 Runs of Coaxial Cable	5.3 (2.4)
ZB-H12	35" (889 mm) Wide for 22 Runs of Coaxial Cable	8.1 (3.7)





Roof-Top Applications

Coaxial Support Components

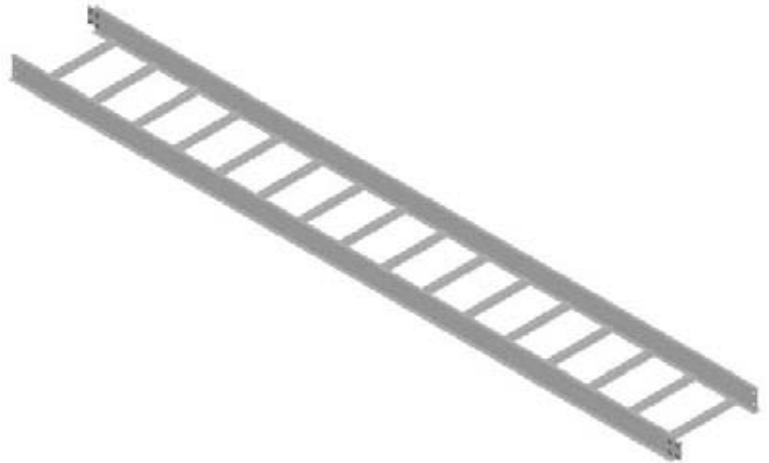
4" Ladder Tray, Straight Sections

Application:	Roof-top
Size:	12' (3.7 m) long
Design:	Ladder-style coaxial cable support
Feature:	4" (101.6 mm) with three widths
Mounts to:	Non-penetrating design
Material:	Aluminum
Includes:	Ladder and one pair of splice plates
Order Separately:	Covers and accessories

Part Number	Description	Weight, lb (kg)
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Ladder Tray Straight Section

AT-12-4D	4" (101.6 mm) Deep, 12" (304.8 mm) Wide	16.5 (7.5)
AT-18-4D	4" (101.6 mm) Deep, 18" (457.2 mm) Wide	18.1 (8.2)
AT-24-4D	4" (101.6 mm) Deep, 24" (609.6 mm) Wide	19.7 (8.9)



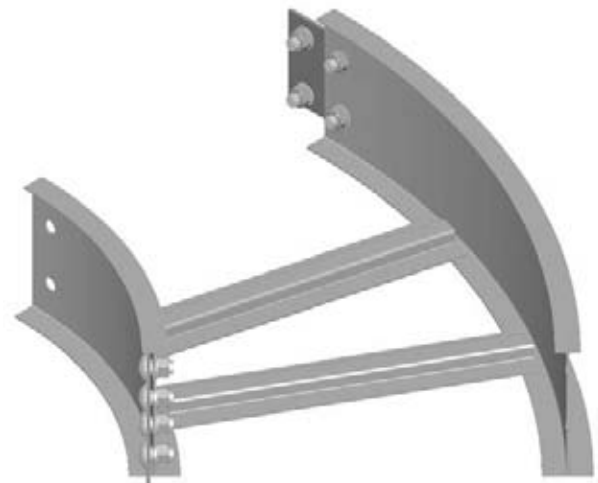
4" Ladder Tray, 45° Horizontal Bends

Application:	Roof-top
Size:	24" (0.6 m) bend radius
Design:	Ladder-style coaxial cable support
Feature:	4" (101.6 mm) with three widths
Mounts to:	Ladder tray system
Material:	Aluminum
Includes:	Ladder and one pair of splice plates
Order Separately:	Covers and accessories

Part Number	Description	Weight, lb (kg)
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Ladder Tray 45° Bend

AT-C45-12-4D	4" (101.6 mm) Deep, 12" (304.8 mm) Wide	3.1 (1.4)
AT-C45-18-4D	4" (101.6 mm) Deep, 18" (457.2 mm) Wide	3.5 (1.6)
AT-C45-24-4D	4" (101.6 mm) Deep, 24" (609.6 mm) Wide	4.3 (2.0)



Roof-Top Applications

Coaxial Support Components

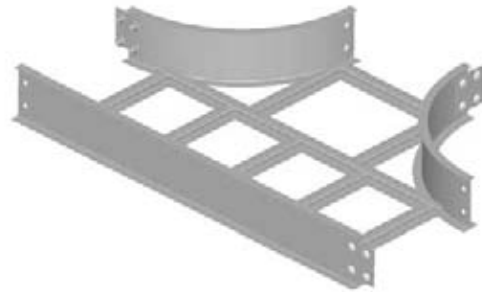
4" Ladder Tray, T-junction

- Application:** Roof-top
- Size:** 24" (0.6 m) bend radius
- Design:** Ladder-style coaxial cable support
- Feature:** 4" (101.6 mm) with three widths
- Mounts to:** Ladder tray system
- Material:** Aluminum
- Includes:** Ladder and three splice plates
- Order Separately:** Covers and accessories

Part Number	Description	Weight, lb (kg)
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Ladder Tray T-junction

AT-TJ-12-4D	4" (101.6 mm) Deep, 12" (304.8 mm) Wide	8.1 (3.7)
AT-TJ-18-4D	4" (101.6 mm) Deep, 18" (457.2 mm) Wide	9.4 (4.3)
AT-TJ-24-4D	4" (101.6 mm) Deep, 24" (609.6 mm) Wide	10.9 (4.9)

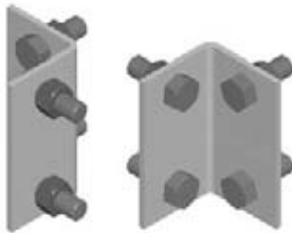


Splice Kits For Ladder Tray Sections

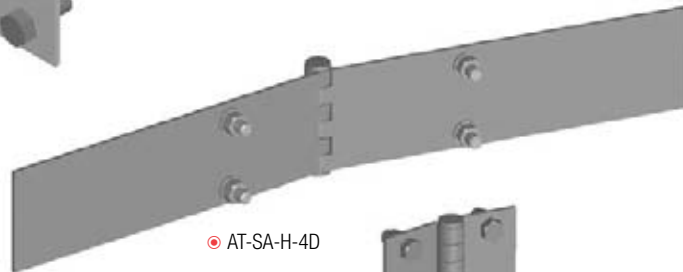
Part Number	Description	Weight, lb (kg)
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Splice Kits for Ladder Tray Sections

AT-SS-4D	Vertical Straight Splice, 4" (101.6 mm) Kit of 2	1 (0.5)
AT-SA-V-4D	Vertical Adjustable Splice, 4" (101.6 mm) Kit of 2	1.7 (0.8)
AT-SA-H-4D	Horizontal Adjustable Splice, 4" (101.6 mm)	1.8 (0.8)
AT-S90-4D	90° Splice, 4" (101.6 mm) Deep	0.5 (0.2)



● AT-S40 4D



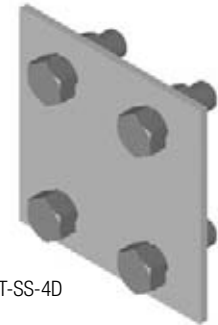
● AT-SA-H-4D



● AT-SA-V-4D



● AT-SS-4D

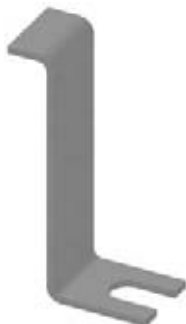


Ladder Tray Hold-down Z-clamp

Part Number	Description	Weight, lb (kg)
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Ladder Tray Hold-down Z-clamp

AT-ZC-4-A	Hold-down Z-clamp, 4" (101.6 mm) Tray	0.3 (0.1)
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Roof-Top Applications

Coaxial Support Components

4" Ladder Tray, 90° Horizontal Bends

- Application:** Roof-top
- Size:** 24" (0.6 m) bend radius
- Design:** Ladder-style coaxial cable support
- Feature:** 4" (101.6 mm) with three widths
- Mounts to:** Ladder tray system
- Material:** Aluminum
- Includes:** Ladder and one pair of splice plates
- Order Separately:** Covers and accessories

Part Number	Description	Weight, lb (kg)
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Ladder Tray 90° Bend

AT-C90-12-4D	4" (101.6 mm) Deep, 12" (304.8 mm) Wide	4.7 (2.1)
AT-C90-18-4D	4" (101.6 mm) Deep, 18" (457.2 mm) Wide	5.6 (2.5)
AT-C90-24-4D	4" (101.6 mm) Deep, 24" (609.6 mm) Wide	6.8 (3.1)



4" Ladder Tray, 90° Vertical Bends

- Application:** Roof-top
- Size:** 24" (0.6 m) bend radius
- Design:** Ladder-style coaxial cable support
- Feature:** Inside and outside vertical riser versions
- Mounts to:** Ladder tray system
- Material:** Aluminum
- Includes:** Ladder and one pair of splice plates
- Order Separately:** Covers and accessories

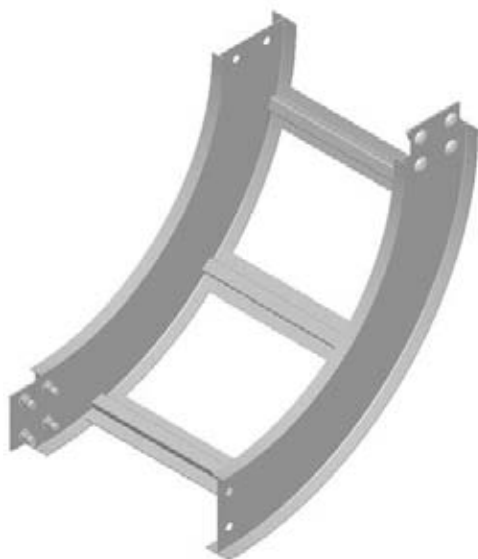
Part Number	Description	Weight, lb (kg)
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Inside Vertical Risers

AT-RI90-12-4D	4" (101.6 mm) Deep, 12" (304.8 mm) Wide	5.4 (2.4)
AT-RI90-18-4D	4" (101.6 mm) Deep, 18" (457.2 mm) Wide	5.9 (2.7)
AT-RI90-24-4D	4" (101.6 mm) Deep, 24" (609.6 mm) Wide	6.3 (2.9)

Outside Vertical Risers

AT-RO90-12-4D	4" (101.6 mm) Deep, 12" (304.8 mm) Wide	5.2 (2.4)
AT-RO90-18-4D	4" (101.6 mm) Deep, 18" (457.2 mm) Wide	5.6 (2.5)
AT-RO90-24-4D	4" (101.6 mm) Deep, 24" (609.6 mm) Wide	5.9 (2.7)



○ inside vertical riser



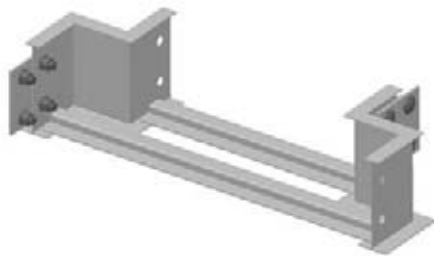
○ outside vertical riser

Roof-Top Applications

Coaxial Support Components

4" Ladder Tray, Reducers

Application:	Roof-top
Design:	Ladder-style coaxial cable support
Feature:	Reduces tray widths
Mounts to:	Ladder tray system
Material:	Aluminum
Includes:	Reducer and one pair of splice plates
Order Separately:	Covers and accessories

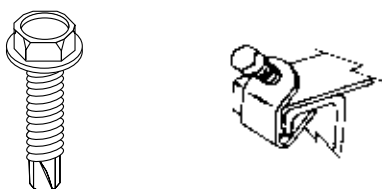


Ladder Tray Covers

Application:	Roof-top
Design:	Ladder-style coaxial cable support
Feature:	Encloses and protects coaxial cable for 4" (101.6 mm) tray
Mounts to:	Ladder tray system
Material:	Aluminum
Includes:	Cover
Order Separately:	Tray and accessories



Cover Attachment Hardware



Part Number	Description	Weight, lb (kg)
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4" Ladder Tray Reducers

AT-RC2418-4D	4" (101.6 mm) Deep, 24" to 18" Section	2.5 (1.1)
AT-RC2412-4D	4" (101.6 mm) Deep, 24" to 12" Section	2.7 (1.2)
AT-RC1812-4D	4" (101.6 mm) Deep, 18" to 12" Section	2.3 (1.0)

Part Number	Description	Weight, lb (kg)
-------------	-------------	-----------------

Ladder Tray Solid Straight Covers, (Two 6' Pieces)

AT-VSS-12-A	12" (304.8 mm) Wide, Two Pieces	6.8 (3.1)
AT-VSS-18-A	18" (457.2 mm) Wide, Two Pieces	10.2 (4.6)
AT-VSS-24-A	24" (609.6 mm) Wide, Two Pieces	13.6 (6.2)

Ladder Tray Solid 45° Horizontal Bend Covers

AT-V45-12-A	12" (304.8 mm) Wide	1.1 (0.5)
AT-V45-18-A	18" (457.2 mm) Wide	2.1 (1.0)
AT-V45-24-A	24" (609.6 mm) Wide	3.2 (1.5)

Ladder Tray Solid 90° Horizontal Bend Covers

AT-V90-12-A	12" Wide (304.8 mm)	2.5 (1.1)
AT-V90-18-A	18" Wide (457.2 mm)	4.2 (1.9)
AT-V90-24-A	24" Wide (609.6 mm)	6.4 (2.9)

Ladder Tray Solid T-junction Covers

AT-VTJ-12-A	12" Wide (304.8 mm)	3.7 (1.7)
AT-VTJ-18-A	18" Wide (457.2 mm)	5.4 (2.4)
AT-VTJ-24-A	24" Wide (609.6 mm)	7.4 (3.4)

Ladder Tray Covers for Reducer Sections

AT-VRC2412-A	24" to 12" (609.6 mm to 304.8 mm) Section	0.6 (0.3)
AT-VRC2418-A	24" to 18" (609.6 mm to 457.2 mm) Section	0.6 (0.3)
AT-VRC1812-A	18" to 12" (457.2 mm to 304.8 mm) Section	0.4 (0.2)

Covers for Inside Vertical Risers

AT-VRI90-12-A	12" (304.8 mm) Wide	1 (0.5)
AT-VRI90-18-A	18" (457.2 mm) Wide	1.5 (0.7)
AT-VRI90-24-A	24" (609.6 mm) Wide	1.9 (0.9)

Covers for Outside Vertical Risers

AT-VRO90-12-A	12" (304.8 mm) Wide	1.5 (0.7)
AT-VRO90-18-A	18" (457.2 mm) Wide	2.3 (1.0)
AT-VRO90-24-A	24" (609.6 mm) Wide	3 (1.4)

Part Number	Description	Weight, lb (kg)
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Cover Attachment Hardware

AT-VC-4-A	Cover Attachment Clip, 4" (101.6 mm) Tray	0.2 (0.1)
AT-CS-A	Cover Attachment Screw	0.1 (0.0)



Roof-Top Applications

Coax Support Components

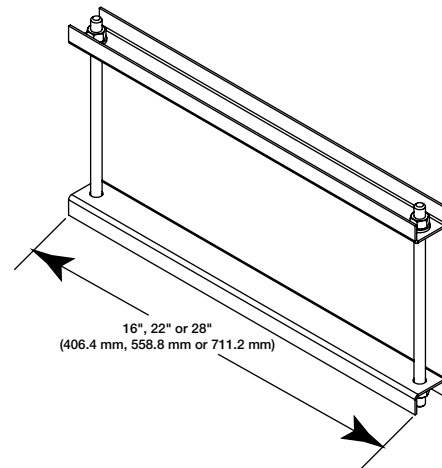
High Wind Hold Down Clamps

Application: Roof-top
Design: Clamps
Feature: Holds covers to trays in high winds
Mounts to: Aluminum tray, covers
Material: Hot dip galvanized steel or aluminum
Includes: Clamps, hardware
Order Separately: Aluminum tray, covers

Part Number	Description	Wt lb (kg)
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High Wind Hold Down Clamps

AT-HC12-A	12" (304.8 mm) Wide Tray, Aluminum	1.5 (0.7)
AT-HC18-A	18" (457.2 mm) Wide Tray, Aluminum	2 (0.9)
AT-HC24-A	24" (609.6 mm) Wide Tray, Aluminum	2.5 (1.1)
AT-HC12-G	12" (304.8 mm) Wide Tray, Galvanized	2.5 (1.1)
AT-HC18-G	18" (457.2 mm) Wide Tray, Galvanized	3 (1.4)
AT-HC24-G	24" (609.6 mm) Wide Tray, Galvanized	3.5 (1.6)



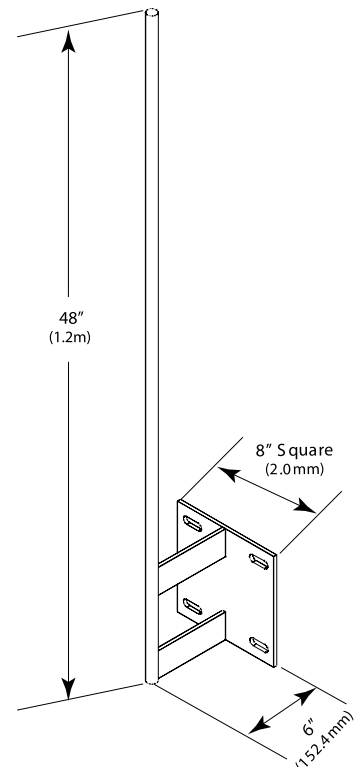
GPS Antenna Wall Mount

Application: Roof-top
Size: 3/4" OD x 48" (19.1 mm OD x 1.2 m)
Design: Welded mount with 6" (152.4 mm) stand-off
Feature: Threaded end for GPS antennas
Mounts to: Walls
Material: Hot dip galvanized steel
Includes: Mount
Order Separately: Anchoring hardware

Part Number	Description	Wt lb (kg)
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GPS Antenna Wall Mount

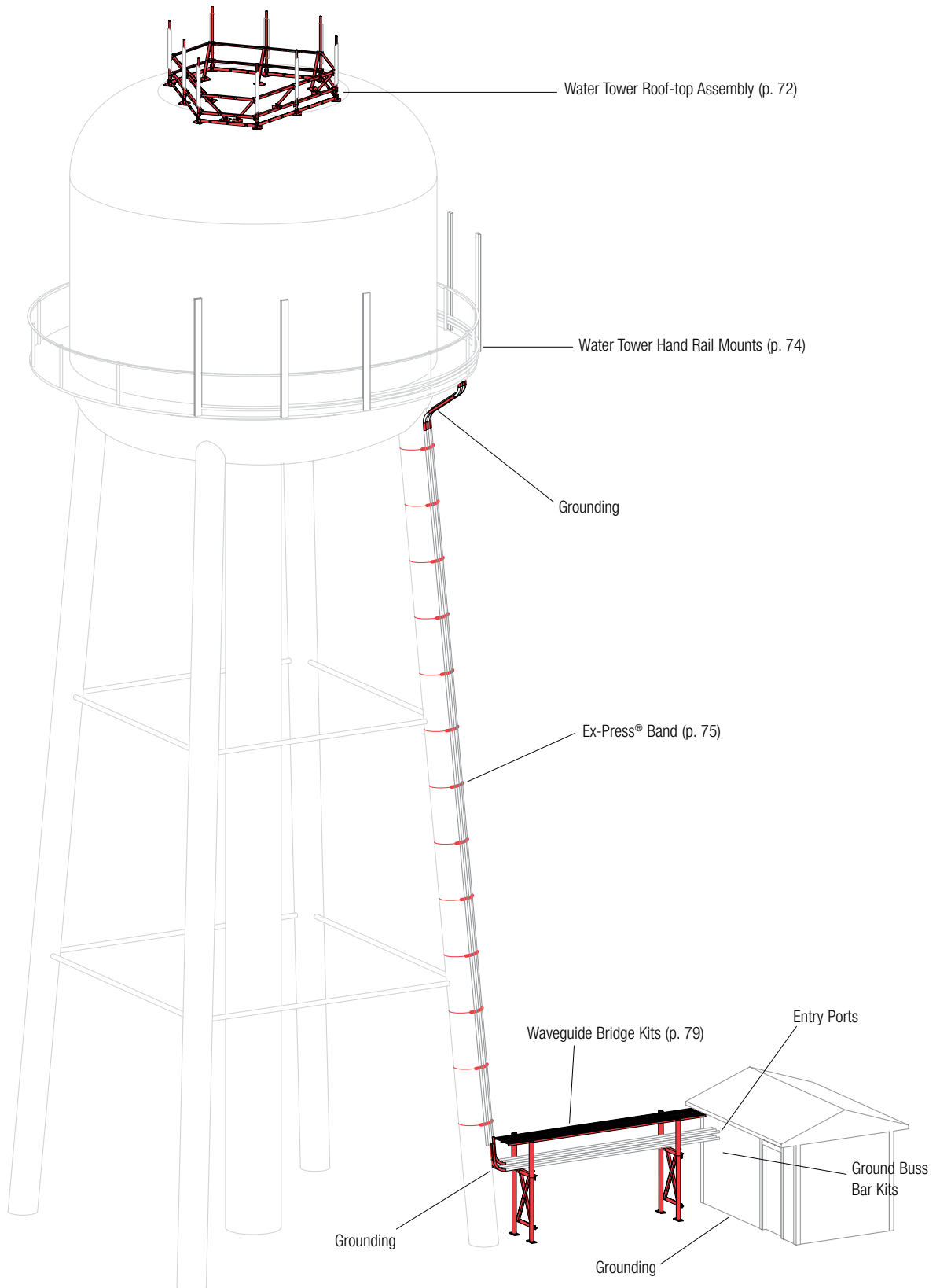
VC-GPSWM	3/4" OD x 48" (19.1 mm x 1.2 m)	10.5 (4.8)
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- ◉ **Stackable Pod Mounts**
- ◉ **Mounting Components**
- ◉ **Coaxial Cable Support Components**

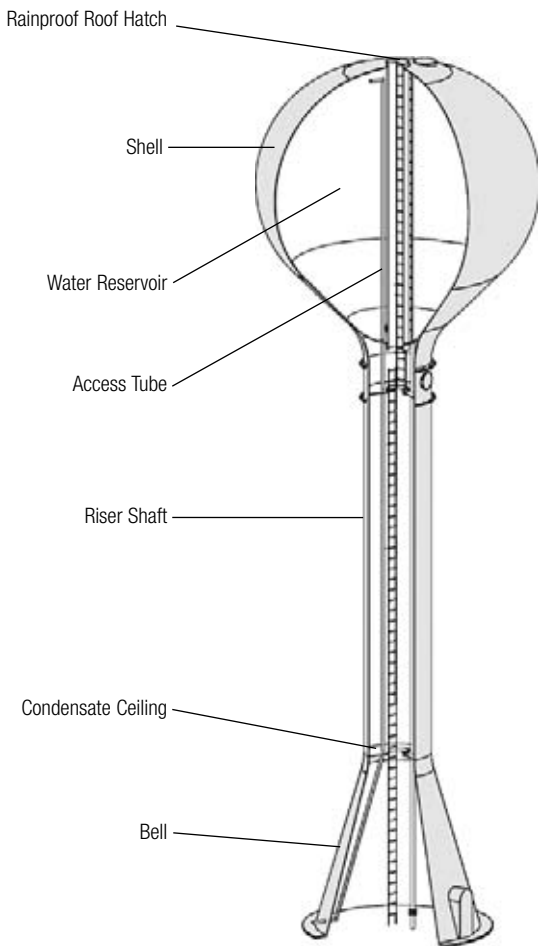
Water Tower Applications



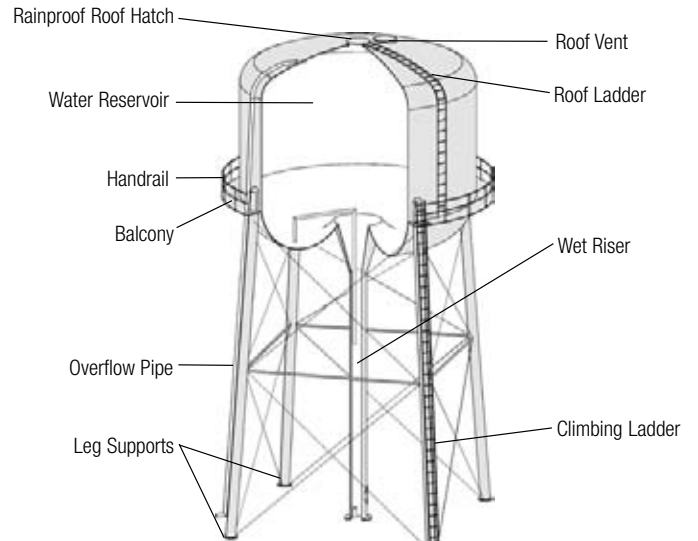
Water Tower Applications

Water Tower Systems

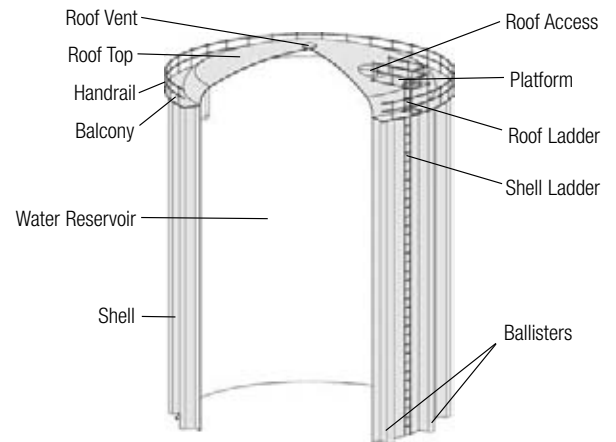
Prior to beginning the design aspect of any water storage tank application, it is important to have a general understanding of the different structures that may be encountered. Four types of elevated water storage tanks are most common throughout the industry and are shown below. Although some commonality exists between each type, independently each has its own unique features and characteristics. It is these features and characteristics that will ultimately determine the design criteria of your system. Several unique features of each type are defined in the below drawings:



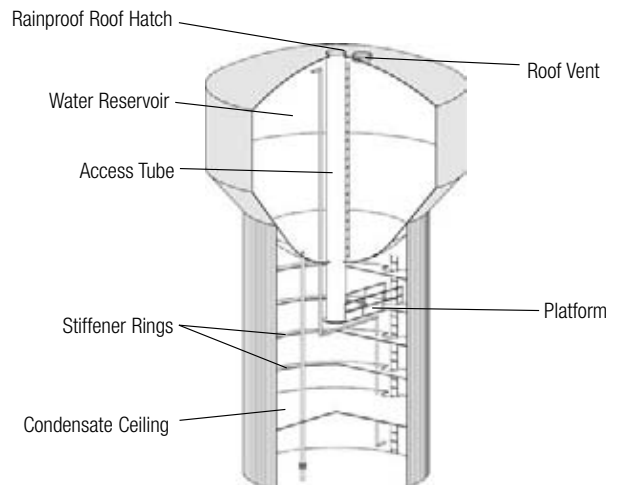
● **Pedisphere**



● **Multi-leg**



● **Standpipe**



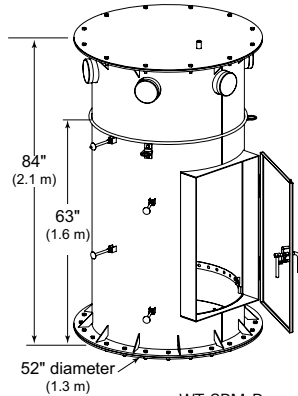
● **Fluted Column**

Water Tower Applications

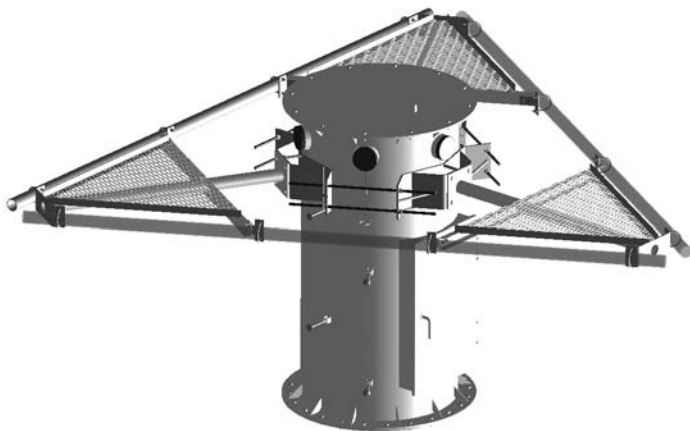
Stackable Pod Mount Components

Stackable Pod Mount Assemblies

Application:	Water tower
Size:	12'-6" (3.8 m) or 14'-6" (4.4 m) face
Design:	Pod for tank-top antenna support
Feature:	Stackable for co-location
Mounts to:	48" (1.2 m) OD hatch plate
Material:	Hot dip galvanized steel
Includes:	Mount and platform, with or without pipe mounts



WT-SPM-B



WT-SPM12-B

Part Number	Description	Weight, lb (kg)
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Stackable Pod Mount Assembly Base

WT-SPM-B	Base Kit, Platform and Pipe Mounts Ordered Separately	1331.2 (603.8)
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Stackable Pod Mount Assembly Base With 3-Sector Platform, 12'-6" (3.8 m) Wide Face, Pipe Mounts Ordered Separately

WT-SPM12-B	Pipe Mounts Ordered Separately	2611.4 (1184.5)
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Stackable Pod Mount Assembly Base With 3-Sector Platform, 12'-6" (3.8 m) Wide Face, Pipe Mounts Included

WT-SPM12-9-72	Nine 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	2906.6 (1318.4)
WT-SPM12-9-96	Nine 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	2978.6 (1351.1)
WT-SPM12-9-126	Nine 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	3050.6 (1383.8)
WT-SPM12-12-72	Twelve 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	3005.0 (1363.1)
WT-SPM12-12-96	Twelve 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	3101.0 (1406.6)
WT-SPM12-12-126	Twelve 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	3197.0 (1450.2)

Stackable Pod Mount Assembly Base With 3-Sector Platform, 14'-6" (4.4 m) Wide Face, Pipe Mounts Ordered Separately

WT-SPM14-B	Pipe Mounts Ordered Separately	2645.5 (1200.0)
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Stackable Pod Mount Assembly Base With 3-Sector Platform, 14'-6" (4.4 m) Wide Face, Pipe Mounts Included

WT-SPM14-9-72	Nine 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	2940.7 (1333.9)
WT-SPM14-9-96	Nine 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	3012.7 (1366.6)
WT-SPM14-9-126	Nine 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	3084.7 (1399.2)
WT-SPM14-12-72	Twelve 2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	3039.1 (1378.5)
WT-SPM14-12-96	Twelve 2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	3135.1 (1422.1)
WT-SPM14-12-126	Twelve 2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	3231.1 (1465.6)



Water Tower Applications

Stackable Pod Mount Components

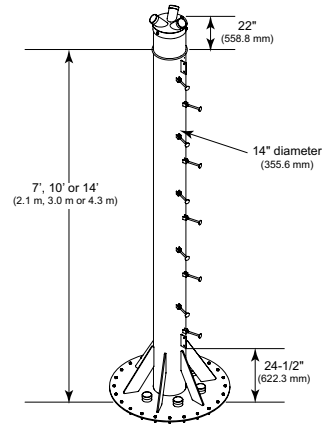
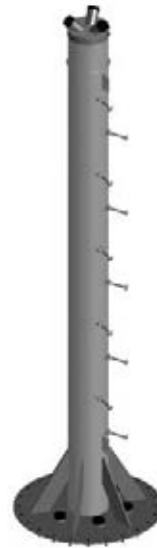
Mini Monopole for Stackable Pod Mount Assembly

- Application:** Water tower
- Feature:** Allows multiple t-frame or platform attachments
- Mounts to:** Stackable pod mount
- Material:** Hot dip galvanized steel
- Includes:** Pole, step bolts, u-bolts, hardware, and safety-climb
- Order Separately:** Stackable pod and monopole components



Part Number	Description	Weight, lb (kg)
-------------	-------------	-----------------

Mini Monopole for Stackable Pod Mount Assembly		
WT-MMP-7	Mini Monopole Assembly, 7' (2.1 m) Tall	800 (362.9)
WT-MMP-10	Mini Monopole Assembly, 10' (3 m) Tall	1100 (499.0)
WT-MMP	Mini Monopole Assembly, 14' (4.26 m) Tall	1532 (694.9)



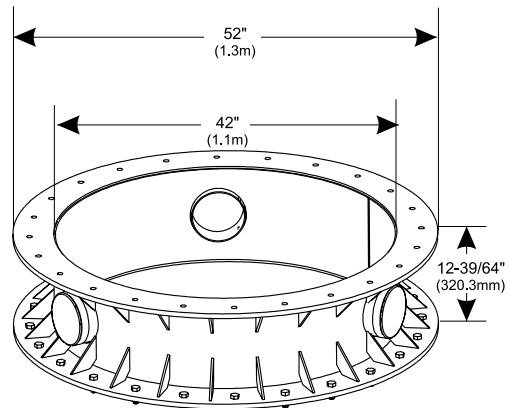
Stackable Pod Mount Extension

- Application:** Water tower
- Size:** 1' x 42" (0.3 m x 1.1 m) OD
- Design:** Extension for stackable pod
- Feature:** Adds height and cable access
- Mounts to:** Stackable pod mount
- Material:** Hot dip galvanized steel
- Includes:** Extension and hardware
- Order Separately:** Stackable pod



Part Number	Description	Weight, lb (kg)
-------------	-------------	-----------------

Stackable Pod Mount Extension		
WT-SPM-E1	Stackable Pod Mount 1' (0.3 m) Extension	379.0 (171.9)

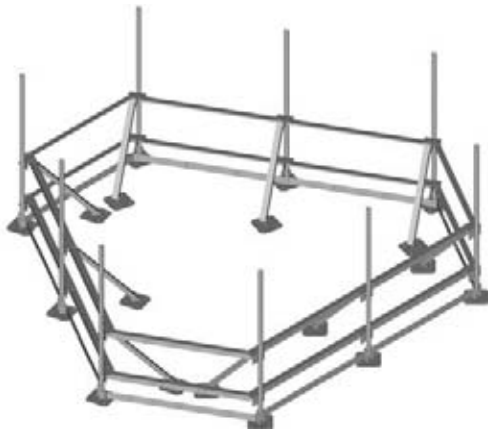


Water Tower Applications

Mounting Components

Water Tower Roof-top Assemblies

Application:	Water tower
Size:	12' (3.7 m) or 14' (4.3 m) face
Design:	3-Sector roof-top mount
Feature:	Adjustable design handles uneven tank surfaces
Mounts to:	Weld-on feet
Material:	Hot dip galvanized steel
Includes:	Mount and 9 or 12 antenna mounting pipes



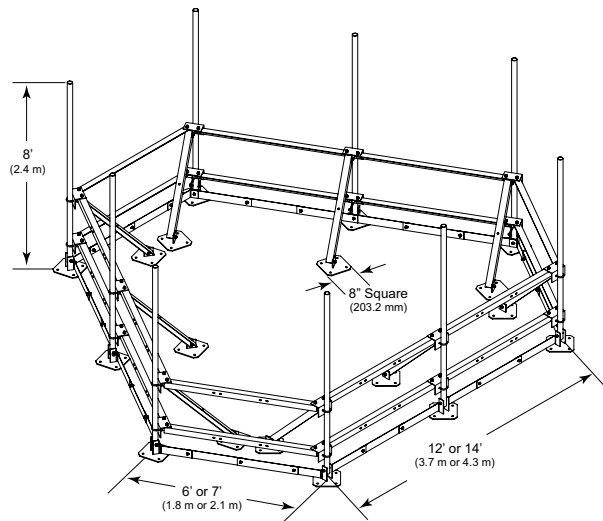
Part Number	Description	Weight, lb (kg)
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Water Tower Roof-top Assembly, 3-Sector, 12' (3.7 m) Wide Face, Pipe Mounts Included

WT-RTA12-9-96	Nine 2-3/8" OD x 96" (73.0 mm OD x 2.4 m)	1613.2 (731.8)
WT-RTA12-12-96	Twelve 2-3/8" OD x 96" (73.0 mm OD x 2.4 m)	1717.3 (779.0)

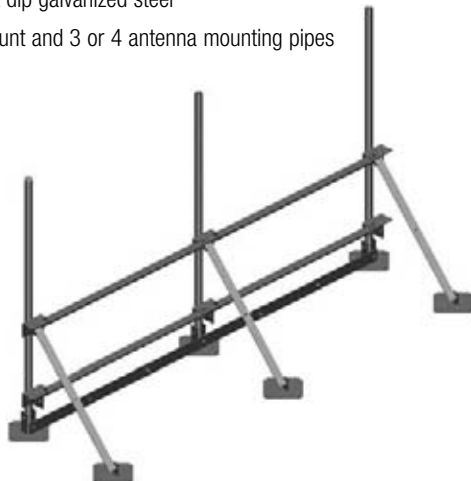
Water Tower Roof-top Assembly, 3-Sector, 14' (4.3 m) Wide Face, Pipe Mounts Included

WT-RTA14-9-96	Nine 2-3/8" OD x 96" (73.0 mm OD x 2.4 m)	1716.5 (778.6)
WT-RTA14-12-96	Twelve 2-3/8" OD x 96" (73.0 mm OD x 2.4 m)	1820.6 (825.8)



Water Tower Roof-top Sector Frames

Application:	Water tower
Size:	12' (3.7 m) or 14' (4.3 m) face
Design:	Single-sector roof-top mount
Feature:	Handles uneven tank surfaces
Mounts to:	Weld-on feet
Material:	Hot dip galvanized steel
Includes:	Mount and 3 or 4 antenna mounting pipes



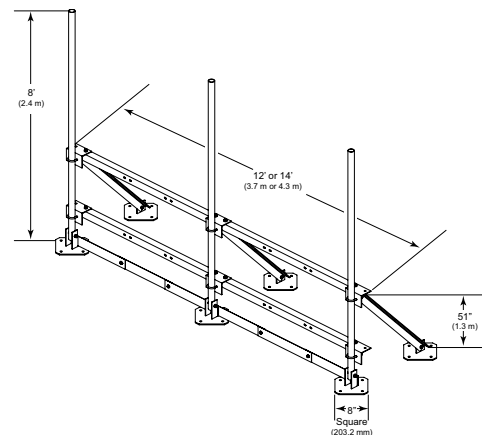
Part Number	Description	Weight, lb (kg)
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Water Tower Sector Frame, 12' (3.7 m) Wide Face, Pipe Mounts Included

WT-SMA12-3-96	Three 2-3/8" OD x 96" (73.0 mm OD x 2.4 m)	467.6 (212.1)
WT-SMA12-4-96	Four 2-3/8" OD x 96" (73.0 mm OD x 2.4 m)	502.3 (227.8)

Water Tower Sector Frame, 14' (4.3 m) Wide Face, Pipe Mounts Included

WT-SMA14-3-96	Three 2-3/8" OD x 96" (73.0 mm OD x 2.4 m)	491.9 (223.1)
WT-SMA14-4-96	Four 2-3/8" OD x 96" (73.0 mm OD x 2.4 m)	526.6 (238.9)



Water Tower Applications

Mounting Components

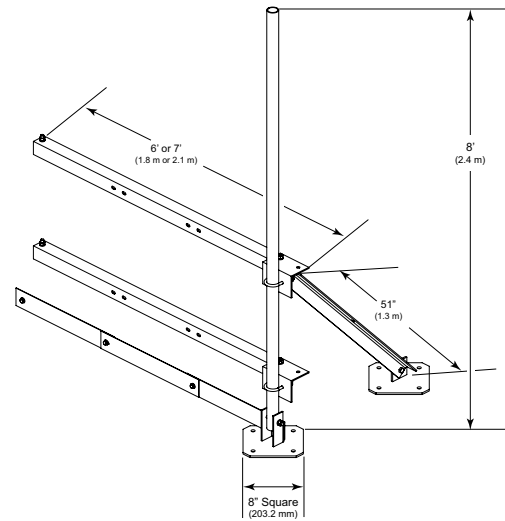
Water Tower Roof-top Sector Frame Extensions

- Application:** Water tower
- Size:** 6' (1.8 m) or 7' (2.1 m) long
- Design:** Modular roof-top antenna mount
- Feature:** Linkable to form corral mounts
- Mounts to:** Weld-on feet
- Material:** Hot dip galvanized steel
- Includes:** Mount and 2-3/8" OD x 96" (73 mm OD x 2.4 m) pipe

Part Number	Description	Weight, lb (kg)
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Water Tower Roof-top Sector Frame Extensions

WT-RTA6-96E	6' (1.8 m) Long	179.1 (81.2)
WT-RTA7-96E	7' (2.1 m) Long	188.9 (85.7)



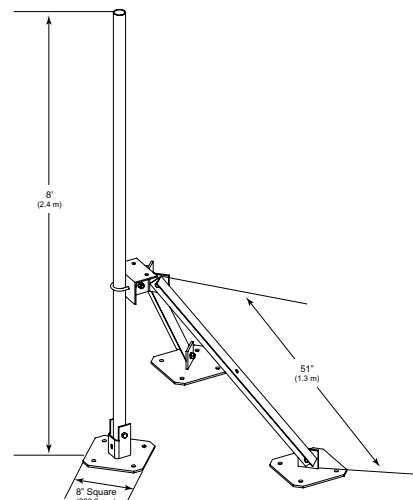
Water Tower Roof-top Tripod Mount

- Application:** Water tower
- Design:** Single roof-top antenna mount
- Feature:** Handles uneven tank surfaces
- Mounts To:** Weld-on feet
- Material:** Hot dip galvanized steel
- Includes:** Mounted pipe

Part Number	Description	Weight, lb (kg)
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Water Tower Roof-top Tripod Mount

WT-TMA-96	Water Tower Roof-top Tripod Mount, 2-3/8" OD x 96" (73 mm OD x 2.4 m) Mounting Pipe	145.1 (65.8)
WT-TMA35-96	Water Tower Roof-top Tripod Mount, 3-1/2" OD x 96" (88.9 mm OD x 2.4 m) Mounting Pipe	165 (74.8)
WT-TMA45-96	Water Tower Roof-top Tripod Mount, 4-1/2" OD x 96" (114.3 mm OD x 2.4 m) Mounting Pipe	185 (83.9)

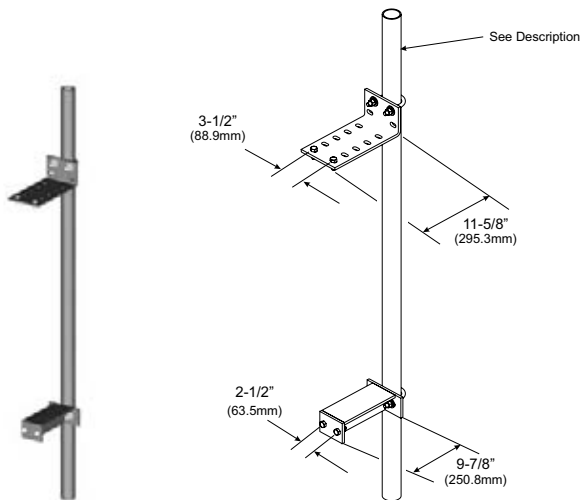


Water Tower Applications

Mounting Components

Water Tower Hand Rail Antenna Mounts

- Application:** Water tower
- Size:** 9" (228.6 mm) stand-off
- Design:** Adjustable bolt-on design
- Feature:** Adapts to most handrail types
- Mounts to:** Handrail and toe board
- Material:** Hot dip galvanized steel
- Includes:** Mount and hardware, available with or without pipe
- Order Separately:** Pipe



Part Number	Description	Weight, lb (kg)
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Water Tower Hand Rail Antenna Mounts

WT-HRM2-B	Hand Rail Mount for 2-3/8" (60.3 mm) OD Mounting Pipe Ordered Separately	20.5 (9.3)
WT-HRM2-72	Hand Rail Mount, 2-3/8" OD x 72" (60.3 mm OD x 1.8 m) Mounting Pipe Included	42.1 (19.1)
WT-HRM2-96	Hand Rail Mount, 2-3/8" OD x 96" (60.3 mm OD x 2.4 m) Mounting Pipe Included	49.3 (22.4)
WT-HRM2-126	Hand Rail Mount, 2-3/8" OD x 126" (60.3 mm OD x 3.2 m) Mounting Pipe Included	58.3 (26.4)
WT-HRM-U	Universal Hand Rail Mount for 2-3/8" to 4-1/2" (60.3 mm to 114.3 mm) OD Mounting Pipe Ordered Separately	55.0 (24.9)



Water Tower Coax Stand-off Brackets

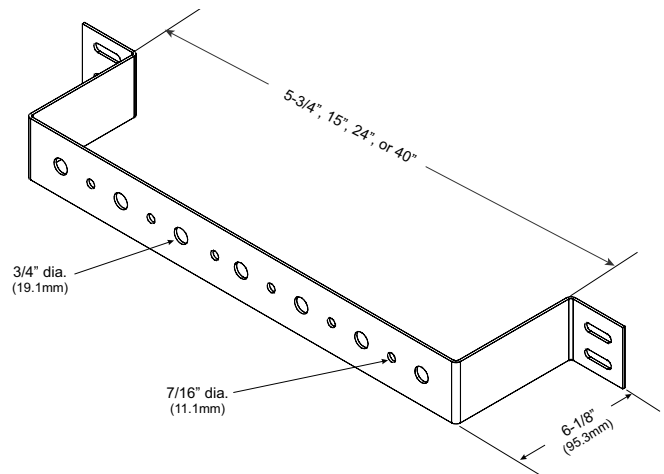
- Application:** Water tower
- Size:** 3/4" (19.1 mm) and 7/16" (11.1 mm) holes
- Design:** Bolt on design in four widths
- Feature:** Flexibility to handle curved surfaces
- Mounts to:** Water tower surface
- Material:** Hot dip galvanized steel
- Includes:** Bracket



Part Number	Description	Weight, lb (kg)
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Water Tower Waveguide Stand-off Bracket

VC-WGSO-2	2 Runs of Coaxial Cable	2.4 (1.1)
VC-WGSO-4	4 Runs of Coaxial Cable	3.3 (1.5)
VC-WGSO-7	7 Runs of Coaxial Cable	4.2 (1.9)
VC-WGSO-12	12 Runs of Coaxial Cable	5.8 (2.6)



Water Tower Applications

Coaxial Cable Support Components

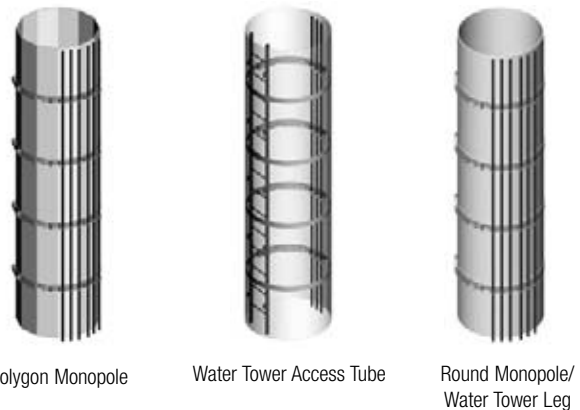
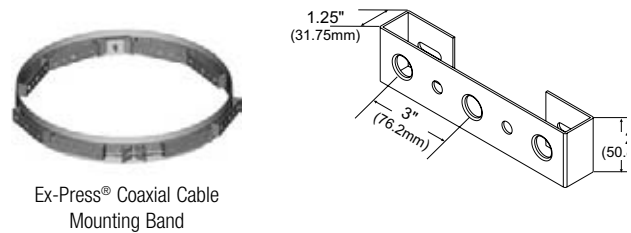
Ex-Press[®] Coaxial Cable Mounting Band

- Application:** Water tower
- Size:** 3/4" (19.1 mm) and 7/16" (11.1 mm) holes
- Design:** Coaxial support for the outside or inside of round structures
- Feature:** Universal expansion/compression band with quick clamp locking features *Patent #US 7,603,752
- Mounts to:** 10" to 60" (254 mm to 1524 mm) water tower legs or 36" to 60" (914.4 mm to 1524 mm) ID access tube
- Material:** Aluminum and hot dip galvanized steel
- Includes:** Bracket and hardware
- Order Separately:** Snap-in hangers, butterfly hangers, coax blocks

Andrew's Ex-Press[®] Expansion/Compression Coaxial Mounting Band supports multiple coaxial cables on or inside of a round or polygon structure up to 60" (1524 mm) in diameter. The Ex-Press[®] Band allows the user to attach coaxial cable using snap-in or SnapStak[®] Hangers, butterfly hangers, as well as coaxial cable or mini blocks.



Part Number	Description	Weight, lb (kg)
Ex-Press[®] Coaxial Cable Mounting Band		
EX-P1060	Expansion/Compression Coaxial Mounting Band for 10" to 60" (254 mm to 1524 mm) OD Round or Polygon Monopoles or 36" to 60" (914.4 mm to 1524 mm), ID Access Tubes	6.2 (2.8)
EX-PH3	3 Hole Coaxial Mounting Bracket for Expanding Line Capacity on Ex-Press [®] Band, Kit of 10	2.8 (1.2)



Mid Span Mounts

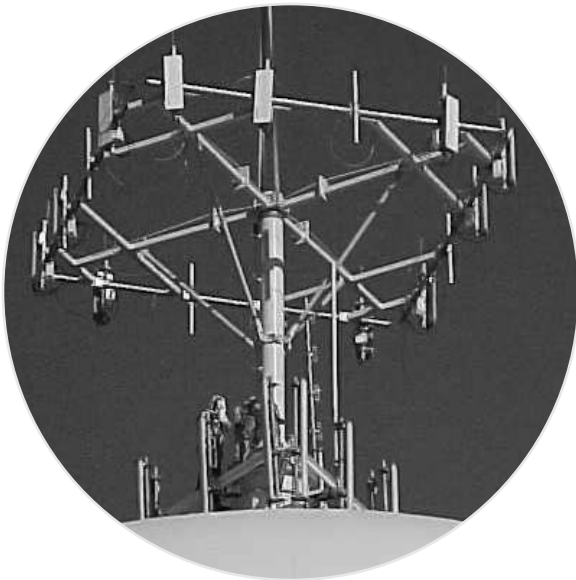
- Application:** Water Tower
- Size:** 8" (203.2 mm) stand-off
- Design:** Universal single antenna mount
- Feature:** Mounts to curved tank surfaces
- Mounts to:** Bolt or weld on design
- Material:** Hot dip galvanized steel
- Includes:** Mount, hardware
- Order Separately:** Available with or without pipe



Part Number	Description	Weight, lb (kg)
Mid Span Mounts		
WT-MSM2-B	Mid-Span Mount for 2-3/8" (60.3 mm) OD Pipe Ordered Separately	25 (11.4)
WT-MSM3-B	Mid-Span Mount for 2-7/8" (73.0 mm) OD Pipe Ordered Separately	25 (11.4)
WT-MSM35-B	Mid-Span Mount for 3-1/2" (88.9 mm) OD Pipe Ordered Separately	50 (22.8)
WT-MSM4-B	Mid-Span Mount for 4-1/2" (114.3 mm) OD Pipe Ordered Separately	50 (22.8)



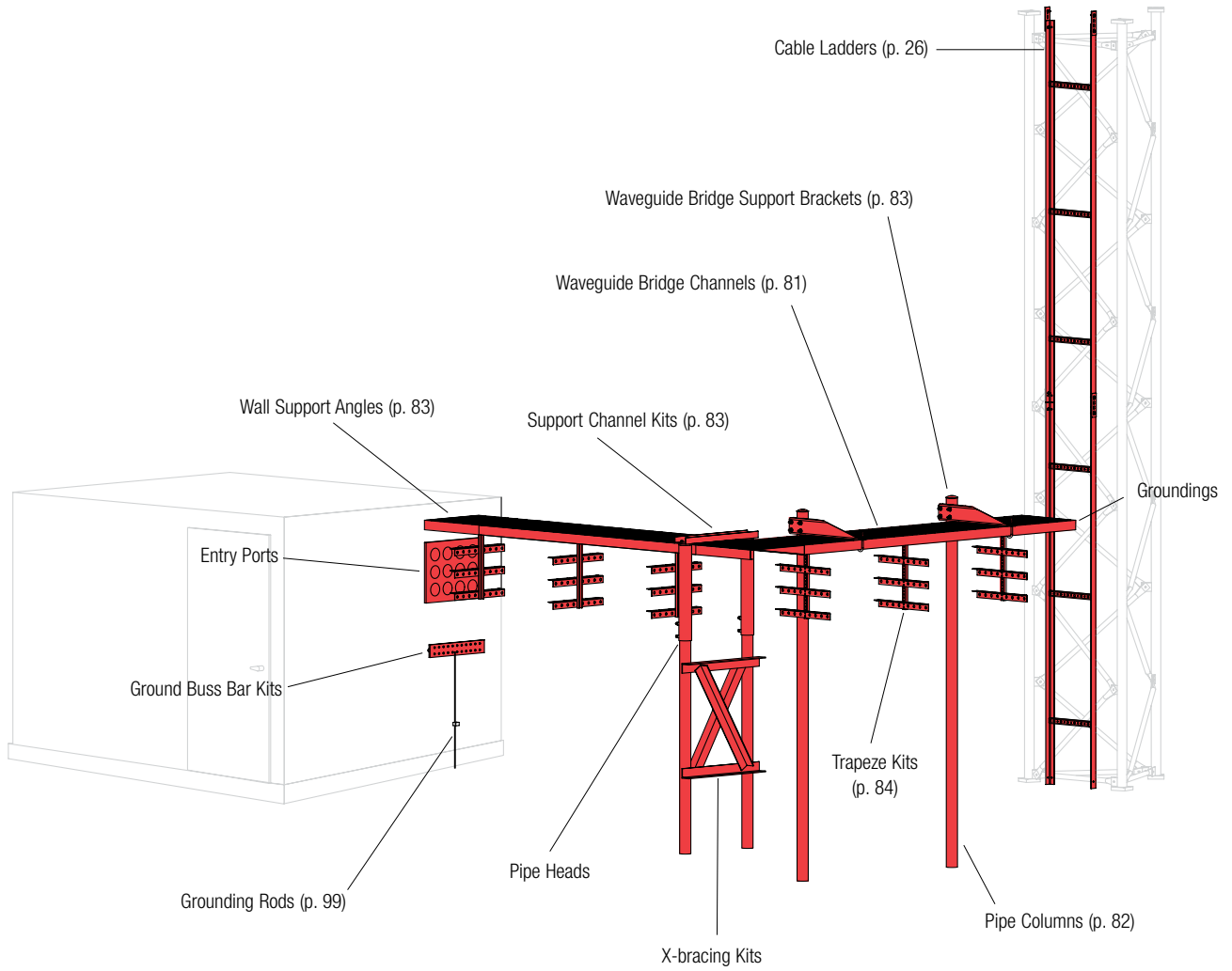
Water Tower Applications





- ◉ Waveguide Bridge Kits
- ◉ Waveguide Bridge Components

Waveguide Bridge Applications

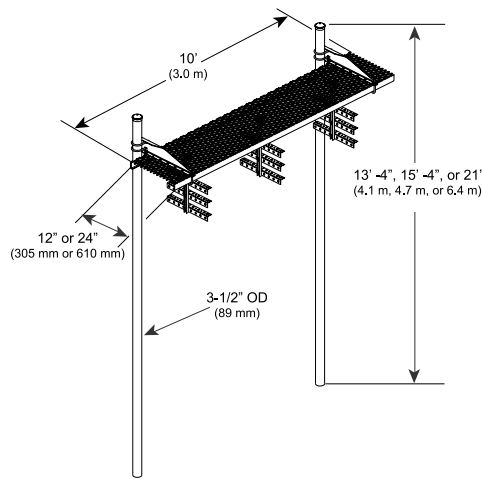


Waveguide Bridge Applications

Waveguide Bridge Kits

12" or 24" Two-post Waveguide Bridge Kits

Application:	Waveguide bridge
Design:	Two-post, 10' (3.0 m) safety grating
Feature:	Complete kit for coaxial cable support
Material:	Hot dip galvanized steel
Includes:	Channel, posts, support brackets, caps, trapeze, and hardware
Order Separately:	Additional accessories



Part Number	Description	Weight, lb (kg)
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12" (0.3 m) Wide Two-post Safety Grated Waveguide Bridge Kit

WB-K110-B	Two 13'-4" (4.1 m) Direct Burial Posts	325.0 (147.4)
WB-K110-S	Two 10'-6" (3.2 m) Base Shoe Posts	308.0 (139.7)

24" (0.6 m) Wide Two-post Safety Grated Waveguide Bridge Kit

WB-K210-B	Two 13'-4" (4.1 m) Direct Burial Posts	385.0 (174.6)
WB-K210-B15	Two 15'-4" (4.7 m) Direct Burial Posts	415.3 (188.4)
WB-K210-B21	Two 21' (6.4 m) Direct Burial Posts	501.2 (227.3)
WB-K210-S	Two 10'-6" (3.2 m) Base Shoe Posts	367.0 (166.5)



Four-post Waveguide Bridge Kits

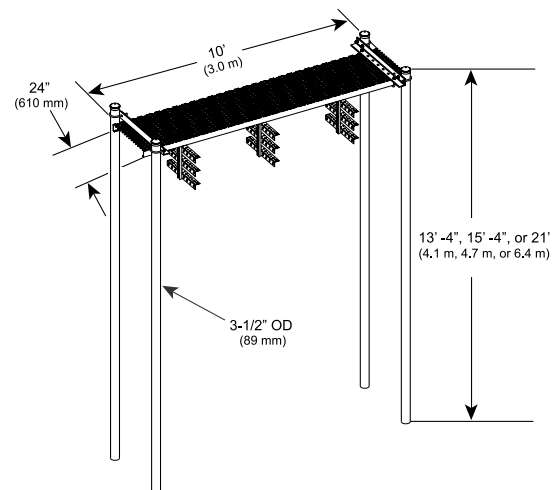
Application:	Waveguide bridge
Size:	24" x 10' (0.6 m x 3.0 m)
Design:	Four-post, 10' (3.0 m) safety grating
Feature:	Complete kit for coaxial cable support
Material:	Hot dip galvanized steel
Includes:	Channel, posts, support brackets, caps, trapeze, and hardware
Order Separately:	Additional accessories



Part Number	Description	Weight, lb (kg)
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24" (0.6 m) Wide Four-post Safety Grated Waveguide Bridge Kit

WB-K410-B	Four 13'-4" (4.1 m) Direct Burial Posts	596.0 (270.3)
WB-K410-B15	Four 15'-4" (4.7 m) Direct Burial Posts	656.6 (297.8)
WB-K410-B21	Four 21' (6.4 m) Direct Burial Posts	828.3 (373.7)
WB-K410-S	Four 10'-6" (3.2 m) Base Shoe Posts	560.0 (254.0)

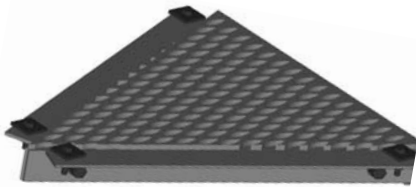


Waveguide Bridge Applications

Waveguide Bridge Kit Components

45° Filler for Waveguide Bridge Kits

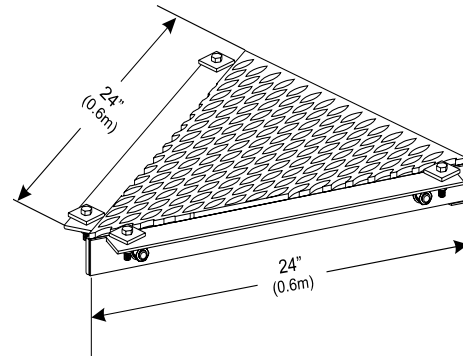
- Application:** 24" wide waveguide bridge
Size: 45° filler
Design: Bolt-on filler module
Feature: Allows clean installation
Mounts to: Waveguide bridge kits
Material: Hot dip galvanized steel
Includes: Corner module and mounting hardware



Part Number	Description	Weight, lb (kg)
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45° Filler for Waveguide Bridge Kits

WB-CF45	Waveguide Bridge Corner Filler, 45°	32.0 (14.5)
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90° Filler for Waveguide Bridge Kits

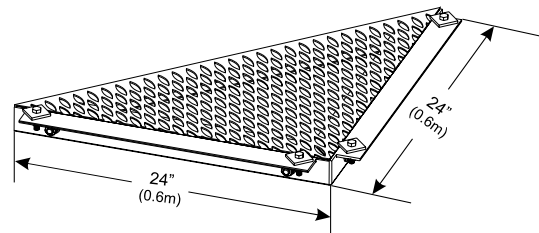
- Application:** 24" wide waveguide bridge
Size: 90° filler
Design: Bolt-on filler module
Feature: Allows clean installation
Mounts to: Waveguide bridge kits
Material: Hot dip galvanized steel
Includes: Corner module and mounting hardware



Part Number	Description	Weight, lb (kg)
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90° Filler for Waveguide Bridge Kits

WB-CF90	Waveguide Bridge Corner Filler, 90°	27.0 (12.2)
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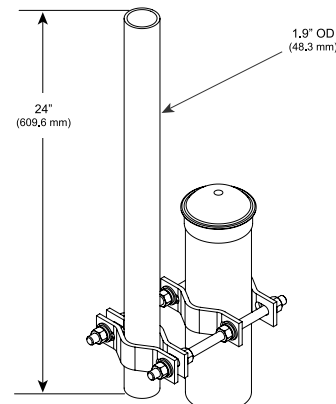
GPS Antenna Mount

- Application:** Waveguide bridge
Size: 1.9" OD x 24" (48.3 mm OD x 0.6 m)
Design: Light weight half clamps
Feature: Parallel connection
Mounts to: 1-1/2" to 3-1/2" (38.1 mm to 88.9 mm) OD pipe
Material: Hot dip galvanized steel
Includes: Pipe, clamp halves, hardware

Part Number	Description	Weight, lb (kg)
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GPS Antenna Mount

GP-S24	GPS Antenna Mount, 1.9" OD x 24" (48.2 mm OD x 0.6 m)	9.8 (4.5)
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Waveguide Bridge Applications

Waveguide Bridge Kit Components

Extension for Waveguide Bridge Kits

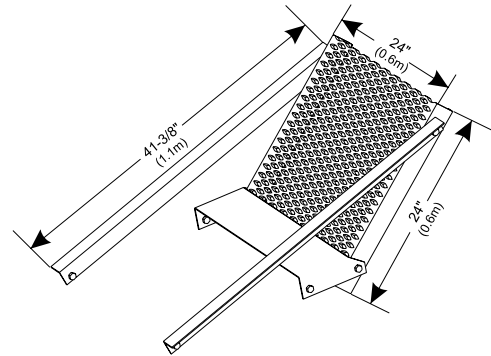
- Application:** 24" (0.6 m) wide waveguide bridge
- Size:** 24" wide x 24" (0.6 m x 0.6 m) long
- Design:** Hinged extension for safety grated bridge
- Feature:** Up to 45° vertical adjustment
- Mounts to:** Waveguide bridge kits
- Material:** Hot dip galvanized steel
- Includes:** Extension and hardware



Part Number	Description	Weight, lb (kg)
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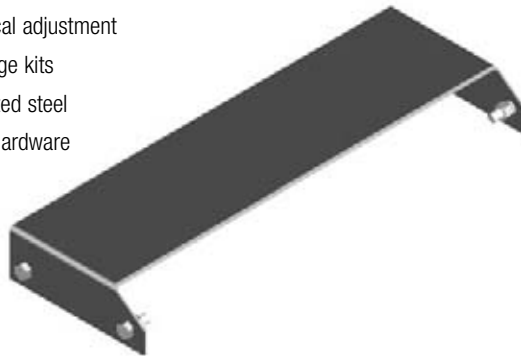
Extension for Waveguide Bridge Kit

WB-EXT	Extension Kit, Safety Grating	76.0 (34.5)
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Straight Splice for Waveguide Bridge Kits

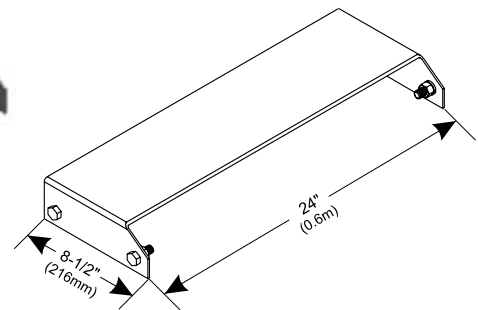
- Application:** 24" (0.6 m) wide waveguide bridge
- Size:** 24" wide x 8-1/2" (0.6 m x 215.9 mm) long
- Design:** Hinged extension for safety grated bridge
- Feature:** Up to 45° vertical adjustment
- Mounts to:** Waveguide bridge kits
- Material:** Hot dip galvanized steel
- Includes:** Extension and hardware



Part Number	Description	Weight, lb (kg)
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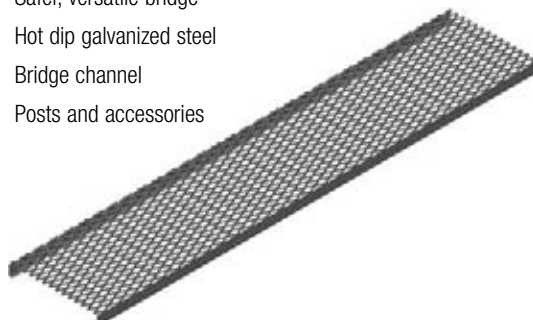
Straight Splice for Waveguide Bridge Kit

WB-SP	Waveguide Bridge Splice	7.8 (3.5)
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Safety Grated Waveguide Bridge Channels

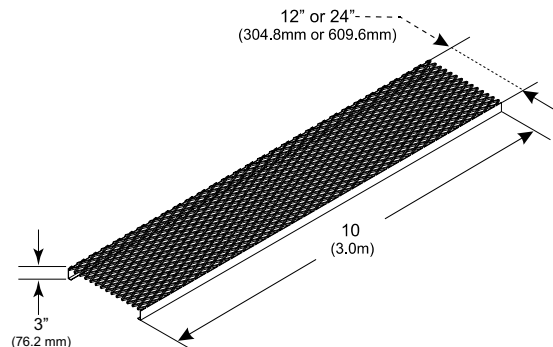
- Application:** Waveguide bridge
- Size:** 12" or 24" (0.3 m x 0.6 m) wide
- Design:** Grated, open-diamond pattern
- Feature:** Safer, versatile bridge
- Material:** Hot dip galvanized steel
- Includes:** Bridge channel
- Order Separately:** Posts and accessories



Part Number	Description	Weight, lb (kg)
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Safety Grated Waveguide Bridge Channels

WB-CY110	12" x 10' (0.3 m x 3 m)	70.0 (31.8)
WB-CY210	24" x 10' (0.6 m x 3 m)	111.0 (50.3)



Waveguide Bridge Applications

Waveguide Bridge Components

Solid Waveguide Bridge Channels

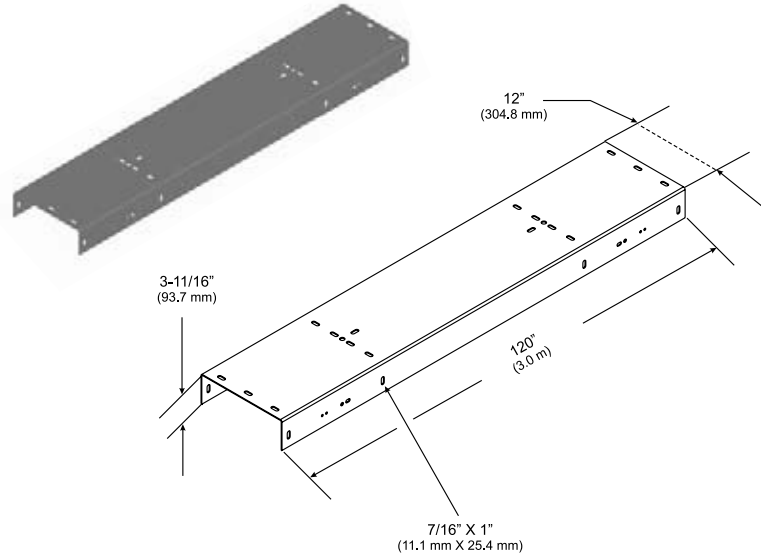
Application:	Waveguide bridge
Size:	12" (0.3 m) wide
Design:	Solid 11-gauge (3.0 mm) bridge
Feature:	Enclosed protection
Mounts to:	Waveguide bridge support brackets
Material:	Hot dip galvanized steel
Includes:	Bridge channel
Order Separately:	Posts and accessories



Part Number	Description	Weight, lb (kg)
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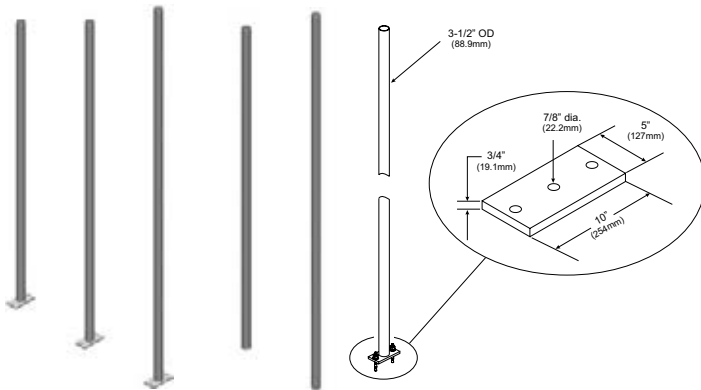
Solid Waveguide Bridge Channels

MT-F501	Solid Waveguide Bridge Channel, 12" x 10' (0.3 m x 3.0 m)	78.0 (35.4)
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Waveguide Bridge Pipe Columns

Application:	Waveguide bridge
Size:	3-1/2" (88.9 mm) OD
Design:	Support pipe in six lengths
Feature:	Direct burial and base shoe versions
Mounts to:	Waveguide bridge support brackets
Material:	Hot dip galvanized steel
Includes:	Pipe (and anchors when applicable)
Order Separately:	Channel, bracket, caps, and accessories



Part Number	Description	Weight, lb (kg)
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Direct Burial Pipe Column

MF-130	Direct Burial Pipe Column, 13'-4" (4.1 m)	101.0 (45.8)
MF-273	Direct Burial Pipe Column, 15'-4" (4.7 m)	116.0 (52.6)
MT-547	Direct Burial Pipe Column, 21' (6.4 m)	159.0 (72.1)

Base Shoe Pipe Column

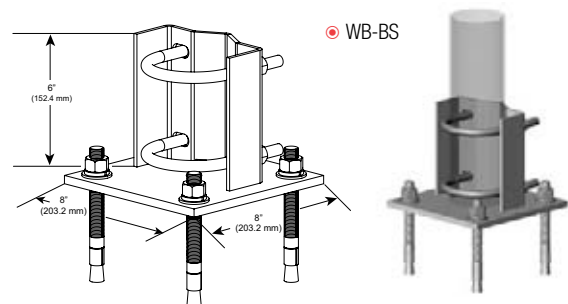
MF-126	Base Shoe Pipe Column, 10'-6" (3.2 m)	92.0 (41.7)
MF-279	Base Shoe Pipe Column, 12' (3.7 m)	103.0 (46.7)
MF-280	Base Shoe Pipe Column, 14' (4.3 m)	119.0 (54.0)

Post Caps

PC-034	3-1/2" (88.9 mm) OD Pipe Cap	0.8 (0.4)
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Waveguide Bridge Base Shoe

WB-BS	Base Shoe for 3-1/2" OD Pipe, Hardware Included	19.3 (8.7)
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Waveguide Bridge Applications

Waveguide Bridge Components

Waveguide Bridge Support Brackets

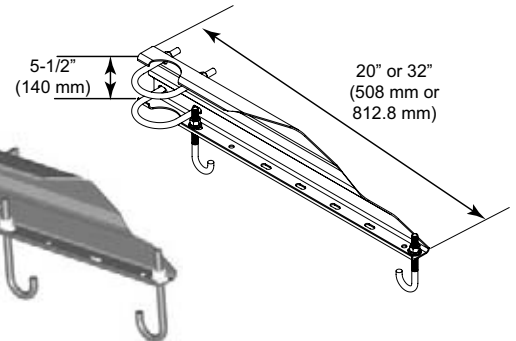
- Application:** Waveguide bridge
- Size:** 12" (0.3 m) and 24" (0.6 m) support
- Design:** Side-mounted support for waveguide bridge
- Feature:** J-bolts for quick and easy installation of channel
- Mounts to:** 3-1/2" (88.9 mm) OD pipe
- Material:** Hot dip galvanized steel
- Includes:** Bracket and hardware
- Order Separately:** Additional accessories



Part Number	Description	Weight, lb (kg)
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Waveguide Bridge Support Bracket

WB-LB12-3	12" (0.3 m) Support for 3-1/2" (88.9 mm) OD Legs	12.0 (5.4)
WB-LB24-3	24" (0.6 m) Support for 3-1/2" (88.9 mm) OD Legs	16.0 (7.3)



Four-post Channel Support Bracket

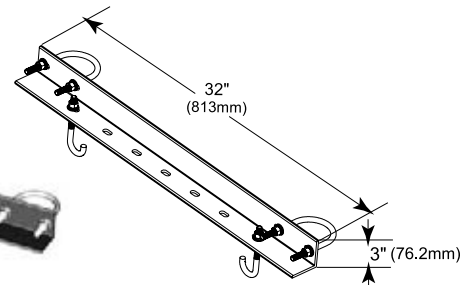
- Application:** Waveguide bridge
- Size:** 24" (0.6 m) support
- Design:** Four-post bridges
- Feature:** Simplified bridge leveling, j-bolts for quick and easy installation of channel
- Mounts to:** 3-1/2" (88.9 mm) OD pipe
- Material:** Hot dip galvanized steel
- Includes:** Channel support bracket and hardware
- Order Separately:** Additional accessories



Part Number	Description	Weight, lb (kg)
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Four-post Channel Support Bracket

WB-CS24-3	Safety Grated Channel Support, 24" (0.6 m) Support for 3-1/2" (88.9 mm) OD Pipe	18.0 (8.2)
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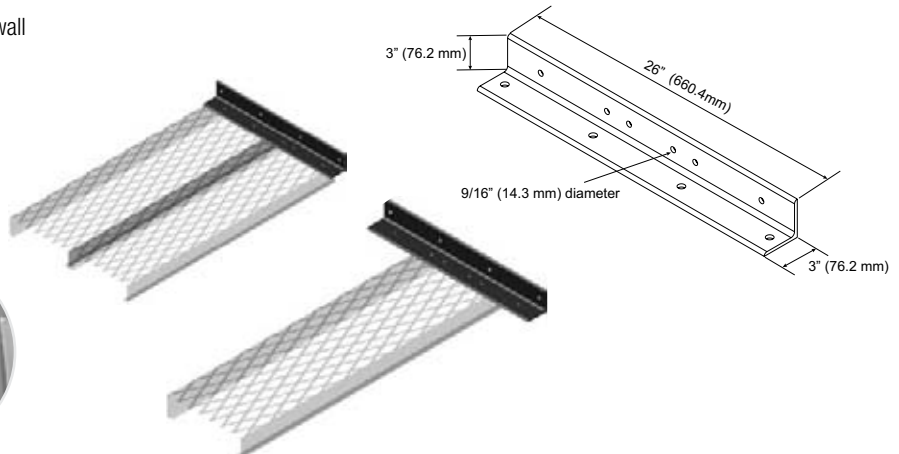
Wall Support Angle

- Application:** Waveguide bridge
- Size:** 26" (660.4 mm) wide
- Design:** Angle to support bridge to wall
- Feature:** Bolt-on wall attachment
- Mounts to:** All bridge channel types
- Material:** Hot dip galvanized steel
- Includes:** Angle
- Order Separately:** Wall mount anchors

Part Number	Description	Weight, lb (kg)
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Wall Support Angle

MF-511	Wall Support Angle, Single or Double	11.0 (5.0)
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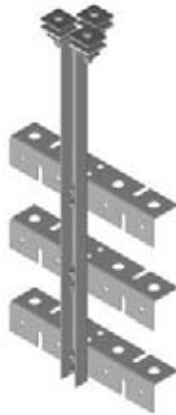


Waveguide Bridge Applications

Waveguide Bridge Components

Triple Tee Trapeze Kits

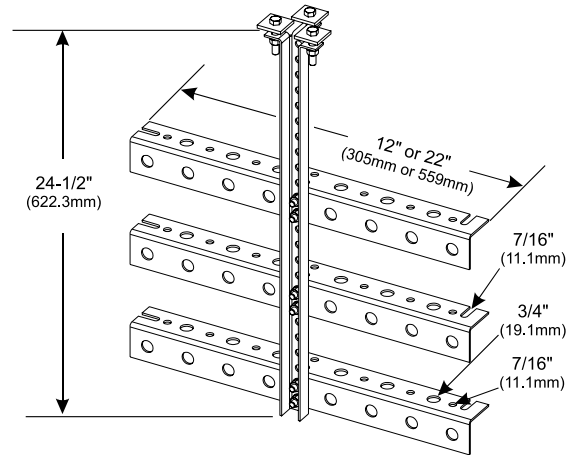
Application:	Waveguide bridge
Size:	3/4" (19.1 mm) and 7/16" (11.1 mm) holes
Design:	Adjustable 3-tier angle brackets
Feature:	Tee style for easy install of coaxial cable
Mounts to:	Waveguide bridge channel
Material:	Hot dip galvanized steel
Includes:	Angle brackets and mounting hardware
Order Separately:	Additional accessories



Part Number	Description	Weight, lb (kg)
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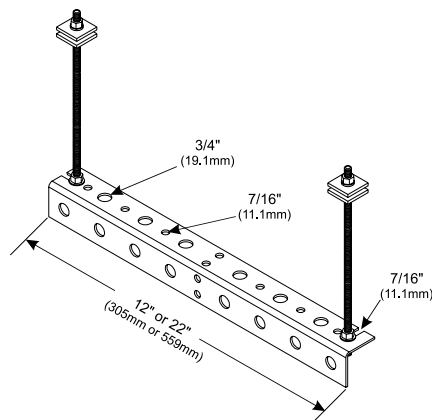
Triple Tee Trapeze Kit

WB-T12-3	Triple Tee Trapeze Kit, 12" (0.3 m) Wide, 3 Rungs	9.0 (4.1)
WB-T24-3	Triple Tee Trapeze Kit, 24" (0.6 m) Wide, 3 Rungs	13.0 (5.9)



Trapeze Kits

Application:	Waveguide bridge
Size:	3/4" (19.1 mm) and 7/16" (11.1 mm) holes
Design:	Single, double, or triple stack trapeze
Feature:	Slotted holes for easy installation
Mounts to:	Waveguide bridge channel
Material:	Hot dip galvanized steel
Includes:	Angle bracket, threaded rod, and hardware
Order Separately:	Additional accessories



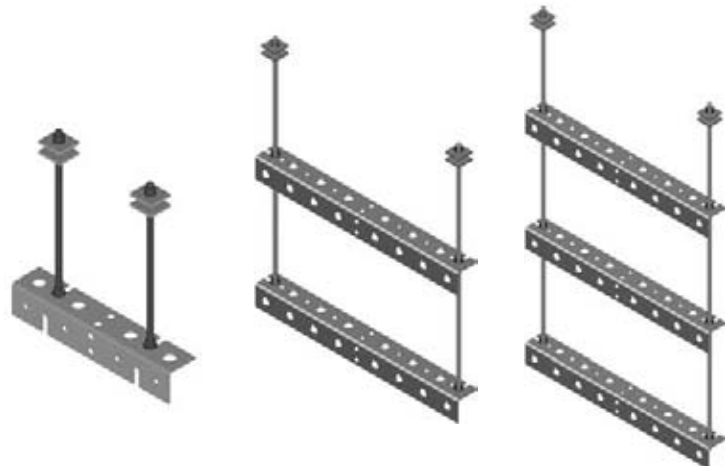
Part Number	Description	Weight, lb (kg)
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Trapeze Kit for 12" Wide Waveguide Bridge

WB-TS12	Trapeze Kit, 12" (0.3 m) Wide, 1 Rung	2.8 (1.3)
WB-TD12	Trapeze Kit, 12" (0.3 m) Wide, 2 Rungs	5 (2.3)
WB-TT12	Trapeze Kit, 12" (0.3 m) Wide, 3 Rungs	7.25 (3.3)

Trapeze Kit for 24" Wide Waveguide Bridge

WB-TS24	Trapeze Kit, 24" (0.6 m) Wide, 1 Rung	4.1 (1.9)
WB-TD24	Trapeze Kit, 24" (0.6 m) Wide, 2 Rungs	7.6 (3.4)
WB-TT24	Trapeze Kit, 24" (0.6 m) Wide, 3 Rungs	11.22 (5.1)

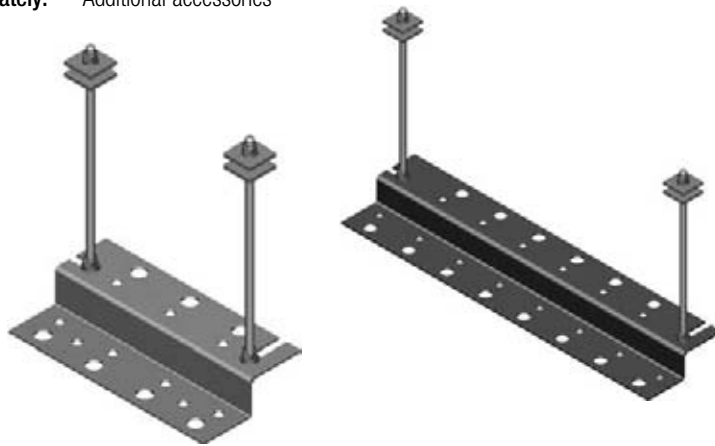


Waveguide Bridge Applications

Waveguide Bridge Components

Z-Bracket Trapeze Kits

- Application:** Waveguide bridge
- Size:** 3/4" (19.1 mm) and 7/16" (11.1 mm) holes
- Design:** Single or double stack z-brackets
- Feature:** Supports coaxial cable on both top and bottom sides
- Mounts to:** Waveguide bridge channel
- Material:** Hot dip galvanized steel
- Includes:** Z-bracket, threaded rod, and hardware
- Order Separately:** Additional accessories



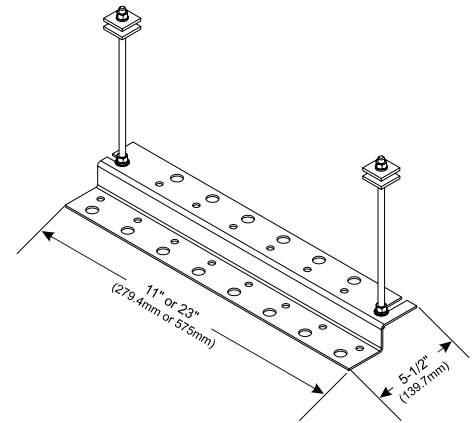
Part Number	Description	Weight, lb (kg)
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Single Rung Trapeze Kit for Waveguide Bridge

MT-357-12	Trapeze Kit, 12" (0.3 m) Wide, 1 Rung	4.0 (1.8)
MT-357-24	Trapeze Kit, 24" (0.6 m) Wide, 1 Rung	7.0 (3.2)

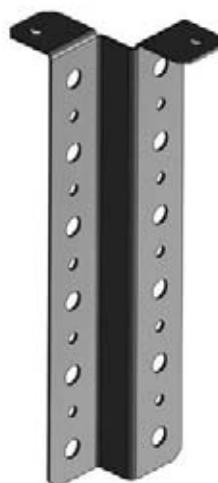
Double Rung Trapeze Kit for Waveguide Bridge

WB-TK12D	Trapeze Kit, 12" (0.3 m) Wide, 2 Rungs	7.0 (3.2)
WB-TK24D	Trapeze Kit, 24" (0.6 m) Wide, 2 Rungs	13.0 (5.9)



Vertical Z-bracket

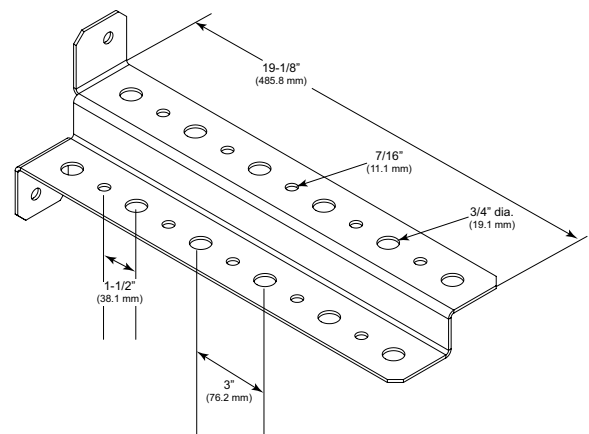
- Application:** Waveguide bridge
- Size:** 3/4" (19.1 mm) and 7/16" (11.1 mm) holes
- Design:** Z-bracket with flat mounting plate
- Feature:** Vertical coaxial cable attachment on both sides
- Mounts to:** Waveguide bridge channel or surface
- Material:** Hot dip galvanized steel
- Includes:** Bracket
- Order Separately:** Mounting hardware



Part Number	Description	Weight, lb (kg)
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Vertical Z-bracket

ZB-V12	Vertical Z-bracket for 12 Runs of Coaxial Cable	4.0 (1.8)
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Waveguide Bridge Applications

Waveguide Bridge Components

Straight Splice for Solid Waveguide Bridge Channel

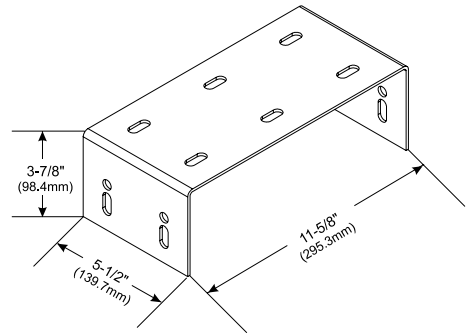
Application:	Waveguide bridge
Size:	12" (0.3 m) wide
Design:	Hinged splice for solid bridge
Feature:	Up to 25° vertical adjustment
Mounts to:	Solid waveguide bridge
Material:	Hot dip galvanized steel
Includes:	Splice and hardware
Order Separately:	Solid bridge channel



Part Number	Description	Weight, lb (kg)
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Straight Splice for Solid Waveguide Bridge Channel

MT-F503	Straight/Hinged Splice	4.0 (1.8)
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Adjustable Splice for Solid Waveguide Bridge Channels

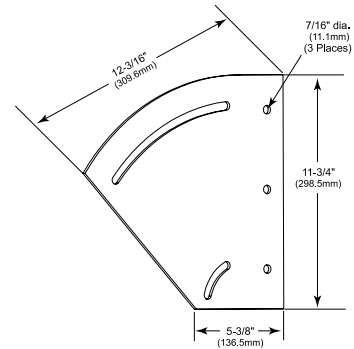
Application:	Waveguide bridge
Size:	For 12" (0.3 m) bridge
Design:	Slotted splice plate
Feature:	Up to 45° horizontal adjustment
Mounts to:	Solid and grated waveguide bridge
Material:	Hot dip galvanized steel
Includes:	Splice and hardware
Order Separately:	Solid waveguide bridge channel



Part Number	Description	Weight, lb (kg)
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Adjustable Splice for Solid Waveguide Bridge Channels

MT-F504	Adjustable Splice	4.4 (2.0)
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Straight Splice for Safety Grated Waveguide Bridge Channel

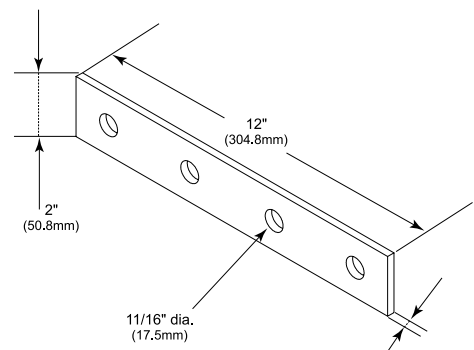
Application:	Waveguide bridge
Size:	12" (304.8 mm) long
Design:	Bolt-on splice plates
Mounts to:	Safety grated waveguide bridge
Material:	Hot dip galvanized steel



Part Number	Description	Weight, lb (kg)
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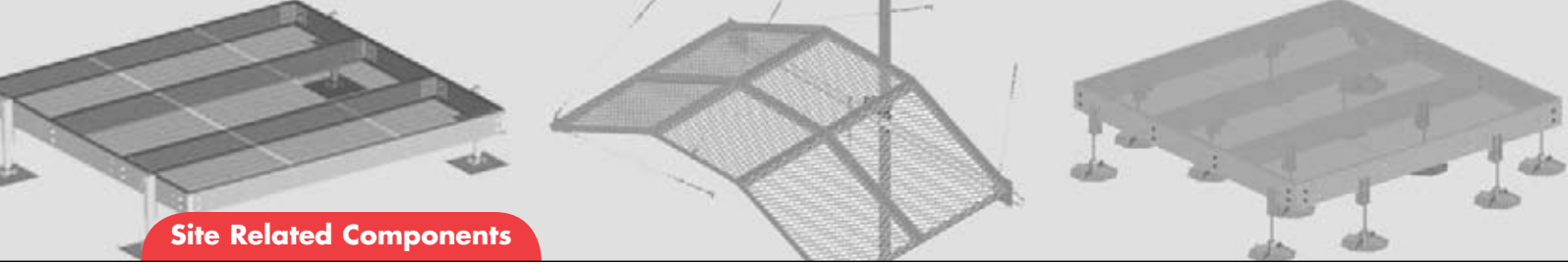
Straight Splice for Safety Grated Waveguide Bridge Channel

WS-K400	Straight Splice for Safety Grated Channel, 24" (0.6 m) wide	6.2 (2.8)
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- ◉ **Equipment Platforms**
- ◉ **Platform Components**
- ◉ **Power Telco Rack**
- ◉ **Microwave Ice Shields**
- ◉ **Bulk Pipe and Angle**
- ◉ **Grounding Components**
- ◉ **Hardware and Fasteners**



Site Related Components

Equipment Platforms

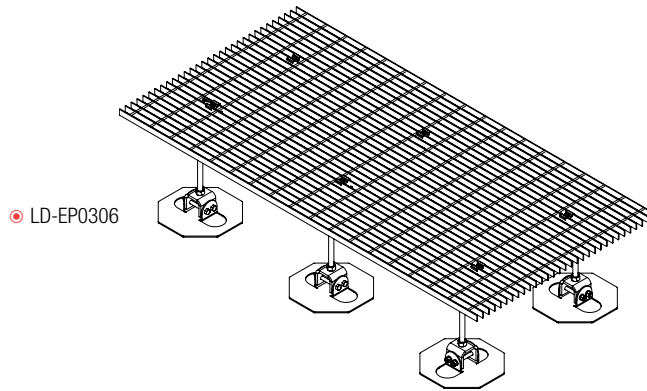
Light Duty Equipment Platforms

- Application:** Equipment support
- Design:** Formed channel
- Feature:** Easy-to-assemble, bolt together design
- Material:** Hot dip galvanized steel
- Includes:** Frame, grating, adjustable legs, hardware

Part Number Description

Equipment Platform Bases, Formed Channel, Light Duty, for Up to 1200 lb (544 kg) Loading

LD-EP0303	3' x 3' (0.9 m x 0.9 m), With Four Light Duty Legs
LD-EP0306	3' x 6' (0.9 m x 1.8 m), With Six Light Duty Legs
LD-EP0404	4' x 4' (1.2 m x 1.2 m), With Four Light Duty Legs
LD-EP0406	4' x 6' (1.2 m x 1.8 m), With Six Light Duty Legs
LD-EP0408	4' x 8' (1.2 m x 2.4 m), With Six Light Duty Legs
LD-EP0606	6' x 6' (1.8 m x 1.8 m), With Nine Light Duty Legs
LD-EP0608	6' x 8' (1.8 m x 2.4 m), With Nine Light Duty Legs
LD-EP0808	8' x 8' (2.4 m x 2.4 m), With Nine Light Duty Legs



LD-EP0306

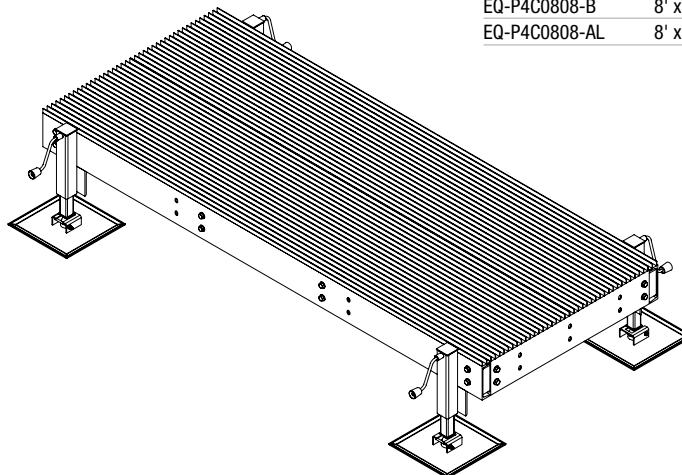
4" Channel Equipment Platforms

- Application:** Equipment support
- Design:** Platforms with or without jackable legs
- Feature:** Easy-to-assemble, bolt together design
- Material:** Hot dip galvanized steel
- Includes:** Frame, grating, hardware
- Order Separately:** Adjustable legs for base platforms

Part Number Description

Equipment Platform Bases, 4" (101.6 mm) Channel, Light Duty, for Up to 3500 lb (1587 kg) Loading

EQ-P4C0404-B	4' x 4' (1.2 m x 1.2 m) Base Only
EQ-P4C0404-AL	4' x 4' (1.2 m x 1.2 m) Base With Four Adjustable Legs
EQ-P4C0406-B	4' x 6' (1.2 m x 1.8 m) Base Only
EQ-P4C0406-AL	4' x 6' (1.2 m x 1.8 m) Base With Four Adjustable Legs
EQ-P4C0408-B	4' x 8' (1.2 m x 2.4 m) Base Only
EQ-P4C0408-AL	4' x 8' (1.2 m x 2.4 m) Base With Four Adjustable Legs
EQ-P4C0606-B	6' x 6' (1.8 m x 1.8 m) Base Only
EQ-P4C0606-AL	6' x 6' (1.8 m x 1.8 m) Base With Four Adjustable Legs
EQ-P4C0608-B	6' x 8' (1.8 m x 2.4 m) Base Only
EQ-P4C0608-AL	6' x 8' (1.8 m x 2.4 m) Base With Four Adjustable Legs
EQ-P4C0808-B	8' x 8' (2.4 m x 2.4 m) Base Only
EQ-P4C0808-AL	8' x 8' (2.4 m x 2.4 m) Base With Four Adjustable Legs



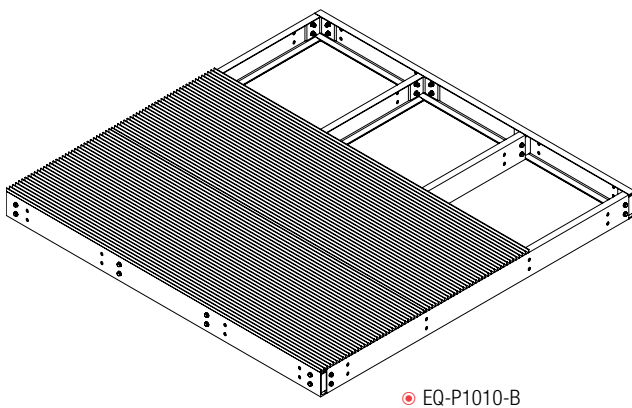
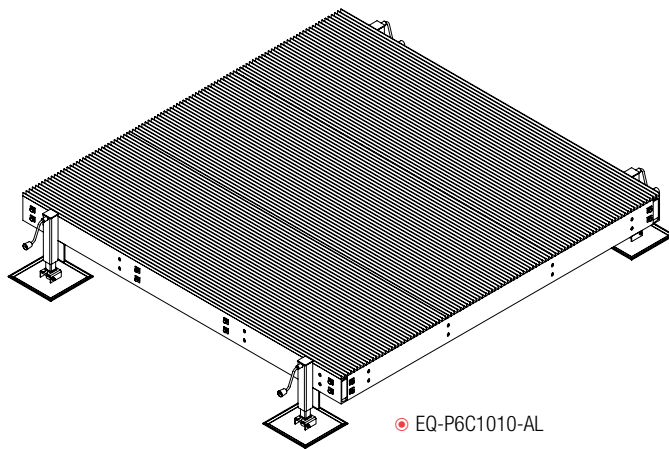
EQ-P4C0408-AL

Site Related Components

Equipment Platforms

6" Channel Equipment Platforms

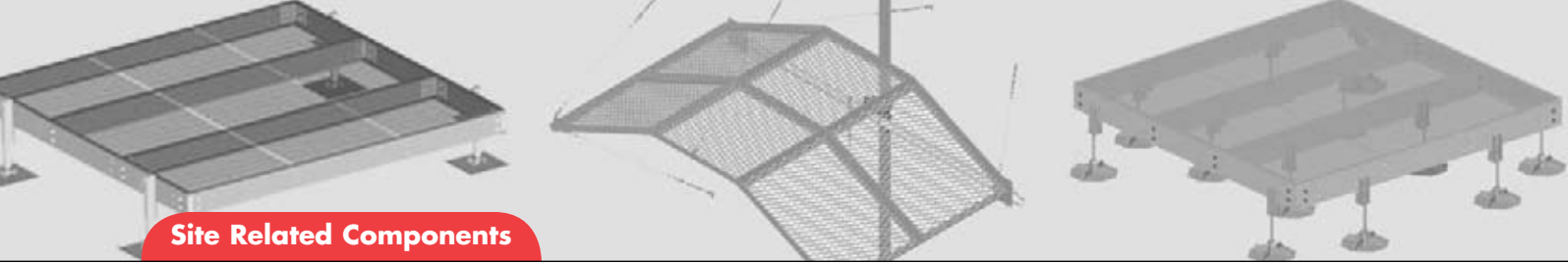
Application:	Equipment support
Design:	Platforms with or without jackable legs
Feature:	Easy-to-assemble, bolt together design
Material:	Hot dip galvanized steel
Includes:	Frame, grating, hardware
Order Separately:	Adjustable legs for base platforms



Part Number Description

Equipment Platform Bases, 6" (152.39 mm) Channel, Heavy Duty, for Up to 5500 lb (2495 kg) Loading

EQ-P6C0404-B	4' x 4' (1.2 m x 1.2 m) Base Only
EQ-P6C0404-AL	4' x 4' (1.2 m x 1.2 m) Base With Four Adjustable Legs
EQ-P6C0406-B	4' x 6' (1.2 m x 1.8 m) Base Only
EQ-P6C0406-AL	4' x 6' (1.2 m x 1.8 m) Base With Four Adjustable Legs
EQ-P6C0408-B	4' x 8' (1.2 m x 2.4 m) Base Only
EQ-P6C0408-AL	4' x 8' (1.2 m x 2.4 m) Base With Four Adjustable Legs
EQ-P6C0410-B	4' x 10' (1.2 m x 3.2 m) Base Only
EQ-P6C0410-AL	4' x 10' (1.2 m x 3.2 m) Base With Four Adjustable Legs
EQ-P6C0412-B	4' x 12' (1.2 m x 3.8 m) Base Only
EQ-P6C0412-AL	4' x 12' (1.2 m x 3.8 m) Base With Six Adjustable Legs
EQ-P6C0414-B	4' x 14' (1.2 m x 4.4 m) Base Only
EQ-P6C0414-AL	4' x 14' (1.2 m x 4.4 m) Base With Six Adjustable Legs
EQ-P6C0416-B	4' x 16' (1.2 m x 5 m) Base Only
EQ-P6C0416-AL	4' x 16' (1.2 m x 5 m) Base With Six Adjustable Legs
EQ-P6C0418-B	4' x 18' (1.2 m x 5.6 m) Base Only
EQ-P6C0418-AL	4' x 18' (1.2 m x 5.6 m) Base With Six Adjustable Legs
EQ-P6C0420-B	4' x 20' (1.2 m x 6.1 m) Base Only
EQ-P6C0420-AL	4' x 20' (1.2 m x 6.1 m) Base With Eight Adjustable Legs
EQ-P6C0606-B	6' x 6' (1.8 m x 1.8 m) Base Only
EQ-P6C0606-AL	6' x 6' (1.8 m x 1.8 m) Base With Four Adjustable Legs
EQ-P6C0608-B	6' x 8' (1.8 m x 2.4 m) Base Only
EQ-P6C0608-AL	6' x 8' (1.8 m x 2.4 m) Base With Four Adjustable Legs
EQ-P6C0610-B	6' x 10' (1.8 m x 3 m) Base Only
EQ-P6C0610-AL	6' x 10' (1.8 m x 3 m) Base With Four Adjustable Legs
EQ-P6C0612-B	6' x 12' (1.8 m x 3.8 m) Base Only
EQ-P6C0612-AL	6' x 12' (1.8 m x 3.8 m) Base With Six Adjustable Legs
EQ-P6C0614-B	6' x 14' (1.8 m x 4.4 m) Base Only
EQ-P6C0614-AL	6' x 14' (1.8 m x 4.4 m) Base With Six Adjustable Legs
EQ-P6C0616-B	6' x 16' (1.8 m x 5 m) Base Only
EQ-P6C0616-AL	6' x 16' (1.8 m x 5 m) Base With Six Adjustable Legs
EQ-P6C0618-B	6' x 18' (1.8 m x 5.6 m) Base Only
EQ-P6C0618-AL	6' x 18' (1.8 m x 5.6 m) Base With Six Adjustable Legs
EQ-P6C0620-B	6' x 20' (1.8 m x 6.1 m) Base Only
EQ-P6C0620-AL	6' x 20' (1.8 m x 6.1 m) Base With Eight Adjustable Legs
EQ-P6C0808-B	8' x 8' (2.4 m x 2.4 m) Base Only
EQ-P6C0808-AL	8' x 8' (2.4 m x 2.4 m) Base With Four Adjustable Legs
EQ-P6C0810-B	8' x 10' (2.4 m x 3 m) Base Only
EQ-P6C0810-AL	8' x 10' (2.4 m x 3 m) Base With Four Adjustable Legs
EQ-P6C0812-B	8' x 12' (2.4 m x 3.8 m) Base Only
EQ-P6C0812-AL	8' x 12' (2.4 m x 3.8 m) Base With Six Adjustable Legs
EQ-P6C0814-B	8' x 14' (2.4 m x 4.4 m) Base Only
EQ-P6C0814-AL	8' x 14' (2.4 m x 4.4 m) Base With Six Adjustable Legs
EQ-P6C0816-B	8' x 16' (2.4 m x 5 m) Base Only
EQ-P6C0816-AL	8' x 16' (2.4 m x 5 m) Base With Six Adjustable Legs
EQ-P6C0818-B	8' x 18' (2.4 m x 5.6 m) Base Only
EQ-P6C0818-AL	8' x 18' (2.4 m x 5.6 m) Base With Six Adjustable Legs
EQ-P6C0820-B	8' x 20' (2.4 m x 6.1 m) Base Only
EQ-P6C0820-AL	8' x 20' (2.4 m x 6.1 m) Base With Eight Adjustable Legs
EQ-P6C1010-B	10' x 10' (3 m x 3 m) Base Only
EQ-P6C1010-AL	10' x 10' (3 m x 3 m) Base With Four Adjustable Legs
EQ-P6C1012-B	10' x 12' (3 m x 3.8 m) Base Only
EQ-P6C1012-AL	10' x 12' (3 m x 3.8 m) Base With Six Adjustable Legs
EQ-P6C1014-B	10' x 14' (3 m x 4.4 m) Base Only
EQ-P6C1014-AL	10' x 14' (3 m x 4.4 m) Base With Six Adjustable Legs
EQ-P6C1015-B	10' x 15' (3 m x 4.6 m) Base Only
EQ-P6C1015-AL	10' x 15' (3 m x 4.6 m) Base With Six Adjustable Legs

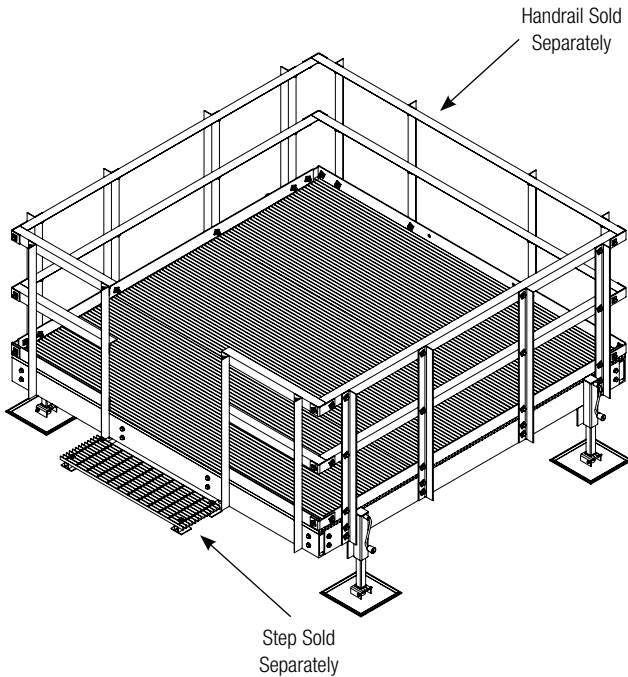


Site Related Components

Equipment Platforms

6" Channel Equipment Platforms-Continued

Application:	Equipment support
Design:	Platforms with or without jackable legs
Feature:	Easy-to-assemble, bolt together design
Material:	Hot dip galvanized steel
Includes:	Frame, grating, hardware
Order Separately:	Adjustable legs for base platforms



Part Number Description

Equipment Platform Bases, 6" (152.39 mm) Channel, Heavy Duty, for Up to 5500 lb Loading

EQ-P6C1016-B	10' x 16' (3 m x 5 m) Base Only
EQ-P6C1016-AL	10' x 16' (3 m x 5 m) Base With Six Adjustable Legs
EQ-P6C1018-B	10' x 18' (3 m x 5.6 m) Base Only
EQ-P6C1018-AL	10' x 18' (3 m x 5.6 m) Base With Six Adjustable Legs
EQ-P6C1020-B	10' x 20' (3 m x 6.1 m) Base Only
EQ-P6C1020-AL	10' x 20' (3 m x 6.1 m) Base With Eight Adjustable Legs
EQ-P6C1212-B	12' x 12' (3.8 m x 3.8 m) Base Only
EQ-P6C1212-AL	12' x 12' (3.8 m x 3.8 m) Base With Six Adjustable Legs
EQ-P6C1214-B	12' x 14' (3.8 m x 4.4 m) Base Only
EQ-P6C1214-AL	12' x 14' (3.8 m x 4.4 m) Base With Six Adjustable Legs
EQ-P6C1216-B	12' x 16' (3.8 m x 5 m) Base Only
EQ-P6C1216-AL	12' x 16' (3.8 m x 5 m) Base With Six Adjustable Legs
EQ-P6C1218-B	12' x 18' (3.8 m x 5.6 m) Base Only
EQ-P6C1218-AL	12' x 18' (3.8 m x 5.6 m) Base With Six Adjustable Legs
EQ-P6C1220-B	12' x 20' (3.8 m x 6.1 m) Base Only
EQ-P6C1220-AL	12' x 20' (3.8 m x 6.1 m) Base With Ten Adjustable Legs
EQ-P6C1414-B	14' x 14' (4.4 m x 4.4 m) Base Only
EQ-P6C1414-AL	14' x 14' (4.4 m x 4.4 m) Base With Twelve Adjustable Legs
EQ-P6C1416-B	14' x 16' (4.4 m x 5 m) Base Only
EQ-P6C1416-AL	14' x 16' (4.4 m x 5 m) Base With Twelve Adjustable Legs
EQ-P6C1418-B	14' x 18' (4.4 m x 5.6 m) Base Only
EQ-P6C1418-AL	14' x 18' (4.4 m x 5.6 m) Base With Fourteen Adjustable Legs
EQ-P6C1420-B	14' x 20' (4.4 m x 6.1 m) Base Only
EQ-P6C1420-AL	14' x 20' (4.4 m x 6.1 m) Base With Sixteen Adjustable Legs
EQ-P6C1616-B	16' x 16' (5 m x 5 m) Base Only
EQ-P6C1616-AL	16' x 16' (5 m x 5 m) Base With Sixteen Adjustable Legs
EQ-P6C1618-B	16' x 18' (5 m x 5.6 m) Base Only
EQ-P6C1618-AL	16' x 18' (5 m x 5.6 m) Base With Sixteen Adjustable Legs
EQ-P6C1620-B	16' x 20' (6 m x 6.1 m) Base Only
EQ-P6C1620-AL	16' x 20' (6 m x 6.1 m) Base With Sixteen Adjustable Legs
EQ-P6C1818-B	18' x 18' (5.6 m x 5.6 m) Base Only
EQ-P6C1818-AL	18' x 18' (5.6 m x 5.6 m) Base With Sixteen Adjustable Legs
EQ-P6C1820-B	18' x 20' (5.6 m x 6.1 m) Base Only
EQ-P6C1820-AL	18' x 20' (5.6 m x 6.1 m) Base With Sixteen Adjustable Legs
EQ-P6C2020-B	20' x 20' (6.1 m x 6.1 m) Base Only
EQ-P6C2020-AL	20' x 20' (6.1 m x 6.1 m) Base With Sixteen Adjustable Legs

8" Channel Equipment Platforms

Application:	Equipment support
Design:	Platforms with or without jackable legs
Feature:	Easy-to-assemble, bolt together design
Material:	Hot dip galvanized steel
Includes:	Frame, grating, hardware
Order Separately:	Adjustable legs for base platforms

Part Number Description

Equipment Platform Bases, 8" (203.2 mm) Channel, Heavy Duty, for Up to 10,000 lb Loading

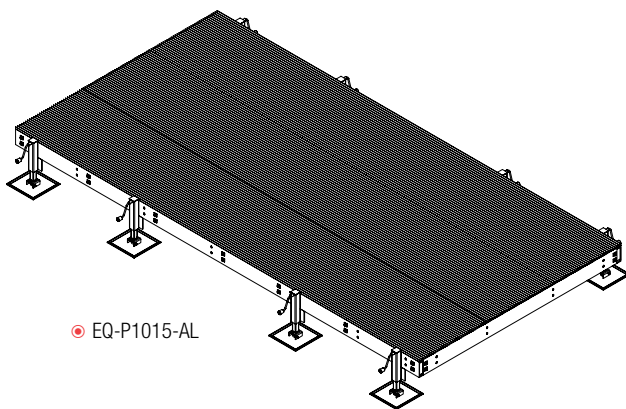
EQ-P0404-B	4' x 4' (1.2 m x 1.2 m) Base Only
EQ-P0404-AL	4' x 4' (1.2 m x 1.2 m) Base With Four Adjustable Legs
EQ-P0406-B	4' x 6' (1.2 m x 1.8 m) Base Only
EQ-P0406-AL	4' x 6' (1.2 m x 1.8 m) Base With Four Adjustable Legs
EQ-P0408-B	4' x 8' (1.2 m x 2.4 m) Base Only
EQ-P0408-AL	4' x 8' (1.2 m x 2.4 m) Base With Four Adjustable Legs
EQ-P0410-B	4' x 10' (1.2 m x 3.2 m) Base Only
EQ-P0410-AL	4' x 10' (1.2 m x 3.2 m) Base With Four Adjustable Legs
EQ-P0412-B	4' x 12' (1.2 m x 3.8 m) Base Only
EQ-P0412-AL	4' x 12' (1.2 m x 3.8 m) Base With Six Adjustable Legs
EQ-P0414-B	4' x 14' (1.2 m x 4.4 m) Base Only
EQ-P0414-AL	4' x 14' (1.2 m x 4.4 m) Base With Six Adjustable Legs
EQ-P0416-B	4' x 16' (1.2 m x 5 m) Base Only
EQ-P0416-AL	4' x 16' (1.2 m x 5 m) Base With Six Adjustable Legs

Site Related Components

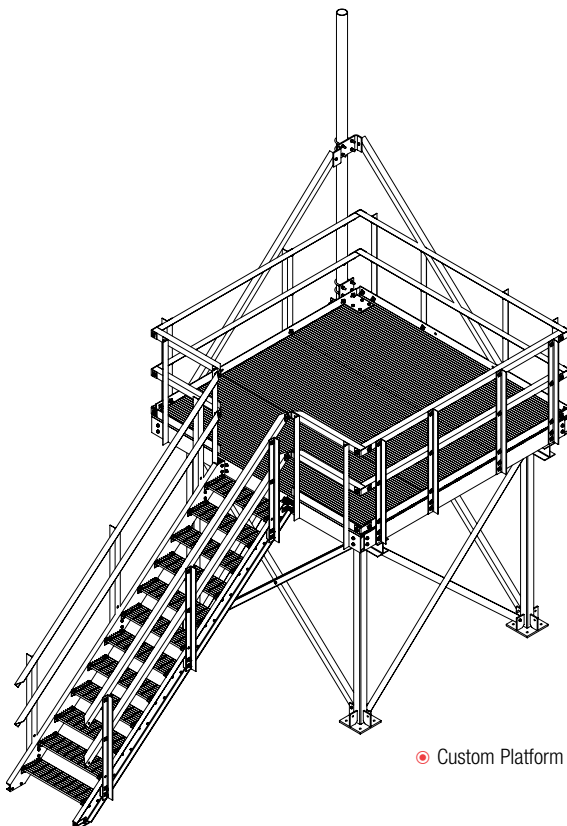
Equipment Platforms

8" Channel Equipment Platforms-Continued

Application:	Equipment support
Design:	Platforms with or without jackable legs
Feature:	Easy-to-assemble, bolt together design
Material:	Hot dip galvanized steel
Includes:	Frame, grating, hardware
Order Separately:	Adjustable legs for base platforms



EQ-P1015-AL

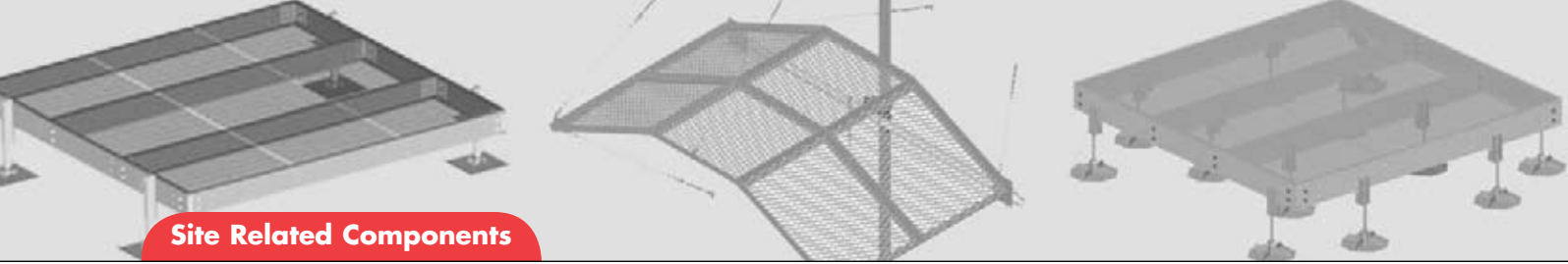


Custom Platform

Part Number Description

Equipment Platform Bases, 8" (203.2 mm) Channel, Heavy Duty, for Up to 10,000 lb Loading

EQ-P0418-B	4' x 18' (1.2 m x 5.6 m) Base Only
EQ-P0418-AL	4' x 18' (1.2 m x 5.6 m) Base With Six Adjustable Legs
EQ-P0420-B	4' x 20' (1.2 m x 6.1 m) Base Only
EQ-P0420-AL	4' x 20' (1.2 m x 6.1 m) Base With Eight Adjustable Legs
EQ-P0606-B	6' x 6' (1.8 m x 1.8 m) Base Only
EQ-P0606-AL	6' x 6' (1.8 m x 1.8 m) Base With Four Adjustable Legs
EQ-P0608-B	6' x 8' (1.8 m x 2.4 m) Base Only
EQ-P0608-AL	6' x 8' (1.8 m x 2.4 m) Base With Four Adjustable Legs
EQ-P0610-B	6' x 10' (1.8 m x 3 m) Base Only
EQ-P0610-AL	6' x 10' (1.8 m x 3 m) Base With Four Adjustable Legs
EQ-P0612-B	6' x 12' (1.8 m x 3.8 m) Base Only
EQ-P0612-AL	6' x 12' (1.8 m x 3.8 m) Base With Six Adjustable Legs
EQ-P0614-B	6' x 14' (1.8 m x 4.4 m) Base Only
EQ-P0614-AL	6' x 14' (1.8 m x 4.4 m) Base With Six Adjustable Legs
EQ-P0616-B	6' x 16' (1.8 m x 5 m) Base Only
EQ-P0616-AL	6' x 16' (1.8 m x 5 m) Base With Six Adjustable Legs
EQ-P0618-B	6' x 18' (1.8 m x 5.6 m) Base Only
EQ-P0618-AL	6' x 18' (1.8 m x 5.6 m) Base With Six Adjustable Legs
EQ-P0620-B	6' x 20' (1.8 m x 6.1 m) Base Only
EQ-P0620-AL	6' x 20' (1.8 m x 6.1 m) Base With Eight Adjustable Legs
EQ-P0808-B	8' x 8' (2.4 m x 2.4 m) Base Only
EQ-P0808-AL	8' x 8' (2.4 m x 2.4 m) Base With Four Adjustable Legs
EQ-P0810-B	8' x 10' (2.4 m x 3 m) Base Only
EQ-P0810-AL	8' x 10' (2.4 m x 3 m) Base With Four Adjustable Legs
EQ-P0812-B	8' x 12' (2.4 m x 3.8 m) Base Only
EQ-P0812-AL	8' x 12' (2.4 m x 3.8 m) Base With Six Adjustable Legs
EQ-P0814-B	8' x 14' (2.4 m x 4.4 m) Base Only
EQ-P0814-AL	8' x 14' (2.4 m x 4.4 m) Base With Six Adjustable Legs
EQ-P0816-B	8' x 16' (2.4 m x 5 m) Base Only
EQ-P0816-AL	8' x 16' (2.4 m x 5 m) Base With Six Adjustable Legs
EQ-P0818-B	8' x 18' (2.4 m x 5.6 m) Base Only
EQ-P0818-AL	8' x 18' (2.4 m x 5.6 m) Base With Six Adjustable Legs
EQ-P0820-B	8' x 20' (2.4 m x 6.1 m) Base Only
EQ-P0820-AL	8' x 20' (2.4 m x 6.1 m) Base With Eight Adjustable Legs
EQ-P1010-B	10' x 10' (3 m x 3 m) Base Only
EQ-P1010-AL	10' x 10' (3 m x 3 m) Base With Four Adjustable Legs
EQ-P1012-B	10' x 12' (3 m x 3.8 m) Base Only
EQ-P1012-AL	10' x 12' (3 m x 3.8 m) Base With Six Adjustable Legs
EQ-P1014-B	10' x 14' (3 m x 4.4 m) Base Only
EQ-P1014-AL	10' x 14' (3 m x 4.4 m) Base With Six Adjustable Legs
EQ-P1015-B	10' x 15' (3 m x 4.6 m) Base Only
EQ-P1015-AL	10' x 15' (3 m x 4.6 m) Base With Six Adjustable Legs
EQ-P1016-B	10' x 16' (3 m x 5 m) Base Only
EQ-P1016-AL	10' x 16' (3 m x 5 m) Base With Six Adjustable Legs
EQ-P1018-B	10' x 18' (3 m x 5.6 m) Base Only
EQ-P1018-AL	10' x 18' (3 m x 5.6 m) Base With Six Adjustable Legs
EQ-P1020-B	10' x 20' (3 m x 6.1 m) Base Only
EQ-P1020-AL	10' x 20' (3 m x 6.1 m) Base With Eight Adjustable Legs
EQ-P1212-B	12' x 12' (3.8 m x 3.8 m) Base Only
EQ-P1212-AL	12' x 12' (3.8 m x 3.8 m) Base With Six Adjustable Legs

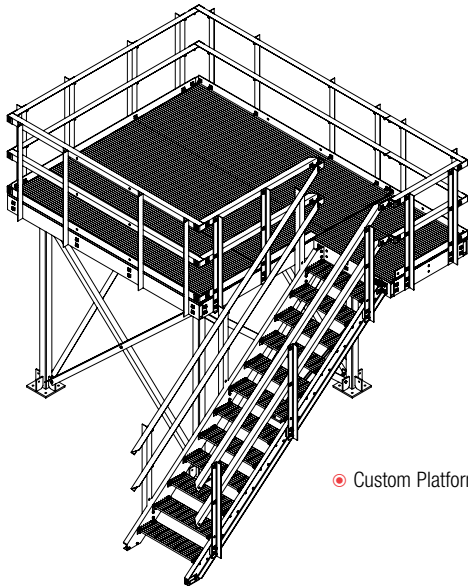


Site Related Components

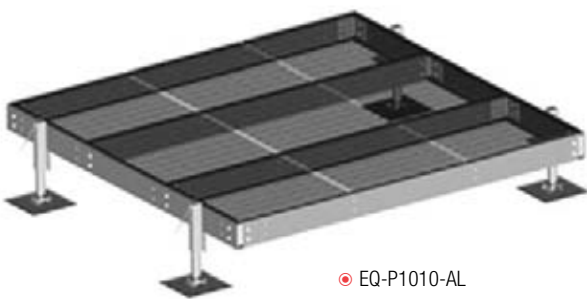
Equipment Platforms

8" Channel Equipment Platforms-Continued

- Application:** Equipment support
- Design:** Platforms with or without jackable legs
- Feature:** Easy-to-assemble, bolt together design
- Material:** Hot dip galvanized steel
- Includes:** Frame, grating, hardware
- Order Separately:** Adjustable legs for base platforms



• Custom Platform



• EQ-P1010-AL

Part Number Description

Equipment Platform Bases, 8" (203.2 mm) Channel, Heavy Duty, for Up to 10,000 lb (4536 kg) Loading

EQ-P1214-B	12' x 14' (3.8 m x 4.4 m) Base Only
EQ-P1214-AL	12' x 14' (3.8 m x 4.4 m) Base With Six Adjustable Legs
EQ-P1216-B	12' x 16' (3.8 m x 5 m) Base Only
EQ-P1216-AL	12' x 16' (3.8 m x 5 m) Base With Six Adjustable Legs
EQ-P1218-B	12' x 18' (3.8 m x 5.6 m) Base Only
EQ-P1218-AL	12' x 18' (3.8 m x 5.6 m) Base With Six Adjustable Legs
EQ-P1220-B	12' x 20' (3.8 m x 6.1 m) Base Only
EQ-P1220-AL	12' x 20' (3.8 m x 6.1 m) Base With Ten Adjustable Legs
EQ-P1414-B	14' x 14' (4.4 m x 4.4 m) Base Only
EQ-P1414-AL	14' x 14' (4.4 m x 4.4 m) Base With Twelve Adjustable Legs
EQ-P1416-B	14' x 16' (4.4 m x 5 m) Base Only
EQ-P1416-AL	14' x 16' (4.4 m x 5 m) Base With Twelve Adjustable Legs
EQ-P1418-B	14' x 18' (4.4 m x 5.6 m) Base Only
EQ-P1418-AL	14' x 18' (4.4 m x 5.6 m) Base With Fourteen Adjustable Legs
EQ-P1420-B	14' x 20' (4.4 m x 6.1 m) Base Only
EQ-P1420-AL	14' x 20' (4.4 m x 6.1 m) Base With Sixteen Adjustable Legs
EQ-P1616-B	16' x 16' (5 m x 5 m) Base Only
EQ-P1616-AL	16' x 16' (5 m x 5 m) Base With Sixteen Adjustable Legs
EQ-P1618-B	16' x 18' (5 m x 5.6 m) Base Only
EQ-P1618-AL	16' x 18' (5 m x 5.6 m) Base With Sixteen Adjustable Legs
EQ-P1620-B	16' x 20' (6 m x 6.1 m) Base Only
EQ-P1620-AL	16' x 20' (6 m x 6.1 m) Base With Sixteen Adjustable Legs
EQ-P1818-B	18' x 18' (5.6 m x 5.6 m) Base Only
EQ-P1818-AL	18' x 18' (5.6 m x 5.6 m) Base With Sixteen Adjustable Legs
EQ-P1820-B	18' x 20' (5.6 m x 6.1 m) Base Only
EQ-P1820-AL	18' x 20' (5.6 m x 6.1 m) Base With Sixteen Adjustable Legs
EQ-P2020-B	20' x 20' (6.1 m x 6.1 m) Base Only
EQ-P2020-AL	20' x 20' (6.1 m x 6.1 m) Base With Sixteen Adjustable Legs



Site Related Components

Equipment Platforms

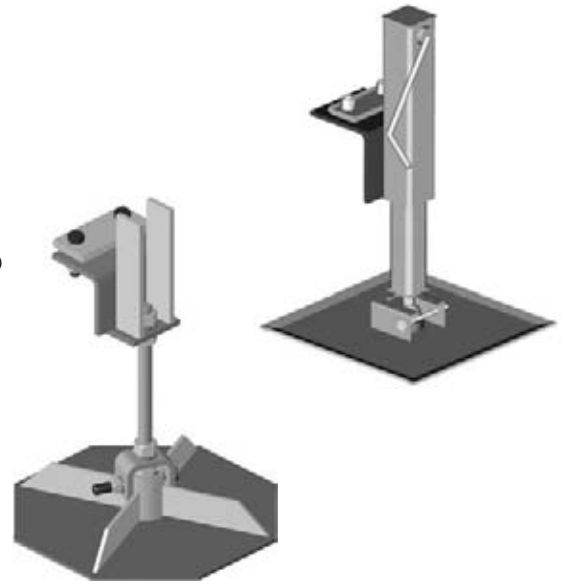
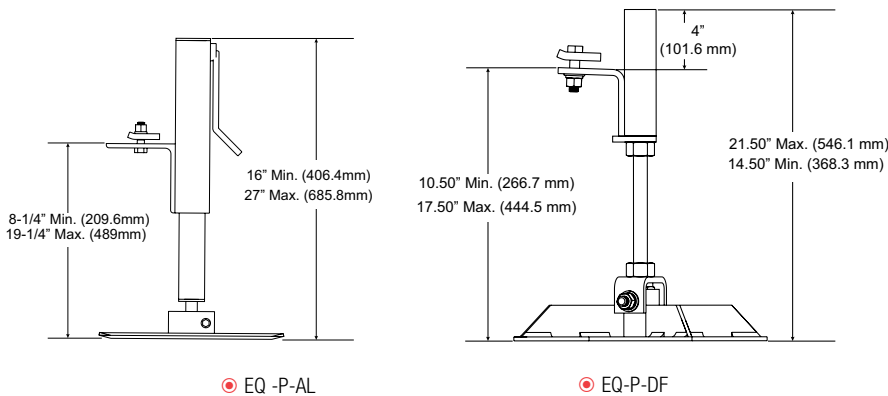
Equipment Platform Adjustable Legs

Application: Equipment platforms
Design: Vertical adjustability
Feature: Raw land or roof-top
Mounts to: Equipment platforms
Material: Hot dip galvanized steel
Includes: Legs, hardware
Order Separately: Equipment platform bases

Part Number	Description	Weight, lb (kg)
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Equipment Platform Feet

EQ-P-AL	Adjustable Leg for Equipment Platform for Raw Land Installations	45 (20.41)
EQ-P-DF	Weight Dispersement Leg for Equipment Platforms	38 (17.24)



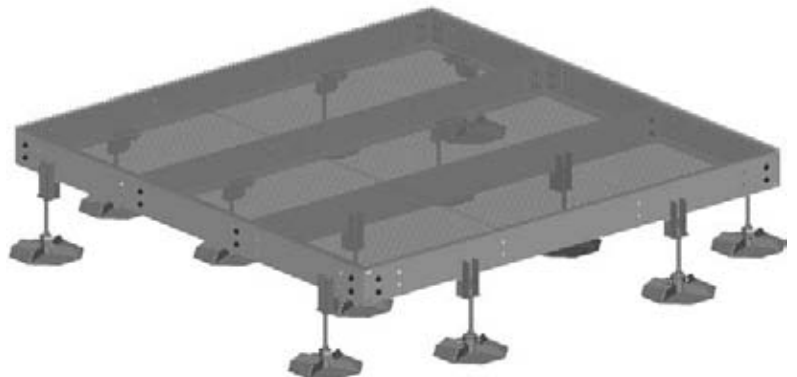
Equipment Platforms for Roof-top Installations

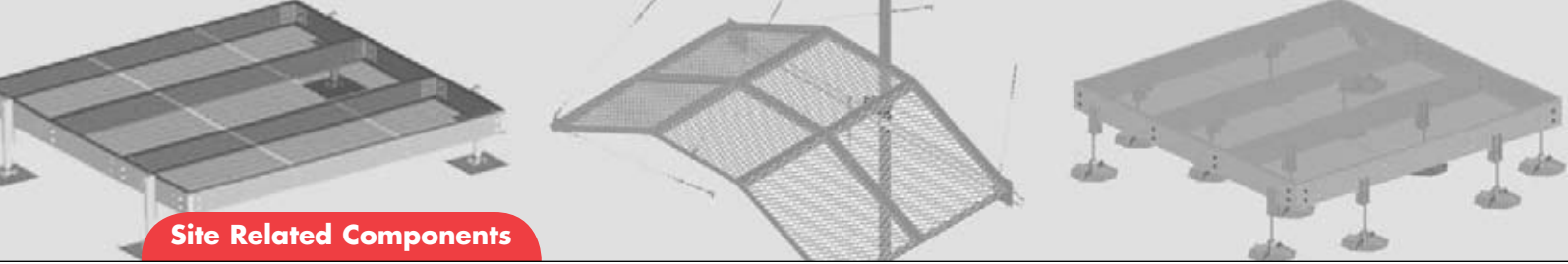
Application: Equipment support
Size: 10' x 10' (3.0 m x 3.0 m), 10' x 15' (3.0 m x 4.6 m) or 10' x 20' (3.0 m x 6.1 m)
Design: Base platform with weight displacement legs
Feature: Adjustable leg for roof-top applications
Material: Hot dip galvanized steel
Includes: Frame, grating, legs and hardware
Order Separately: Additional legs if required

Part Number	Description	Weight, lb (kg)
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Equipment Platforms for Raw Land Installations

EQ-P1010-DF	10' x 10' (3 m x 3 m) Base With Twelve Adjustable Legs	1900 (861.8)
EQ-P1015-DF	10' x 15' (3 m x 4.6 m) Base With Sixteen Adjustable Legs	2650 (1202.0)
EQ-P1020-DF	10' x 20' (3 m x 6.1 m) Base With Twenty Adjustable Legs	3500 (1587.6)



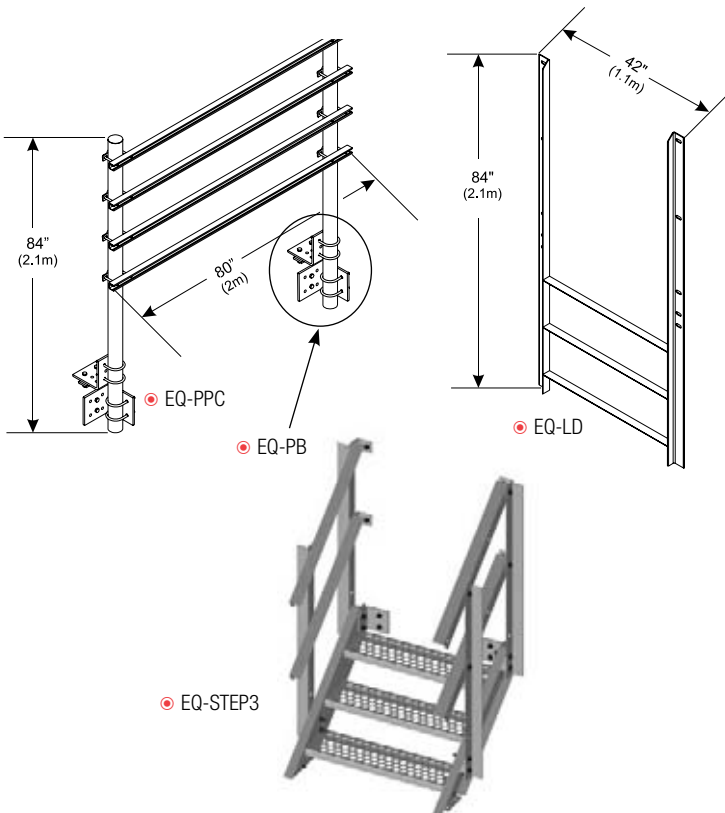
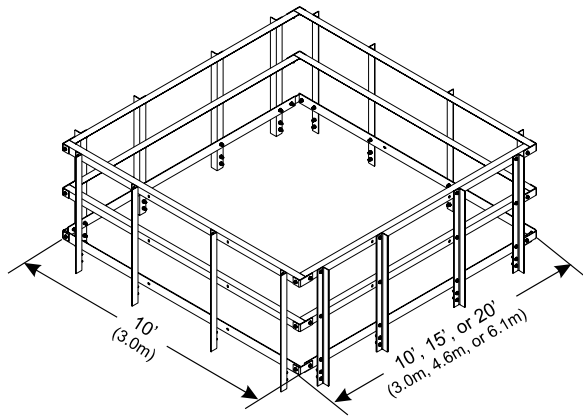


Site Related Components

Platform Components

Equipment Platform System Components

- Application:** Platform support components
Size: Multiple versions, multiple sizes
Feature: Easy-to-assemble, bolt together designs
Mounts to: EQ series platform bases
Material: Hot dip galvanized steel
Order Separately: Platform base



Part Number	Description	Weight, lb (kg)
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Handrail Kit for EQ-P Series Platforms

EQ-HR1010	For 10' x 10' (3 m x 3 m) Platform	742 (336.6)
EQ-HR1015	For 10' x 15' (3 m x 4.6 m) Platform	886 (401.9)
EQ-HR1020	For 10' x 20' (3 m x 6.1 m) Platform	1066 (483.6)

Ladder for EQ-P Series Platforms

EQ-LD	Climbing Ladder for EQ-P Series Platforms	65 (29.5)
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Step Kits for EQ-P Series Platforms

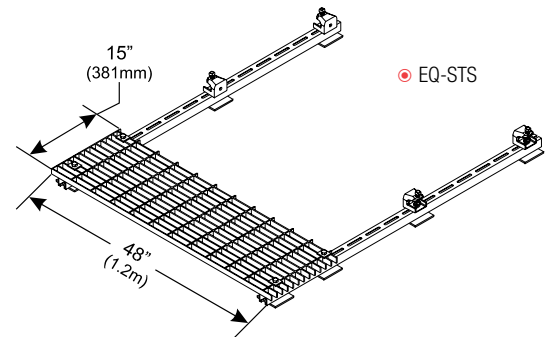
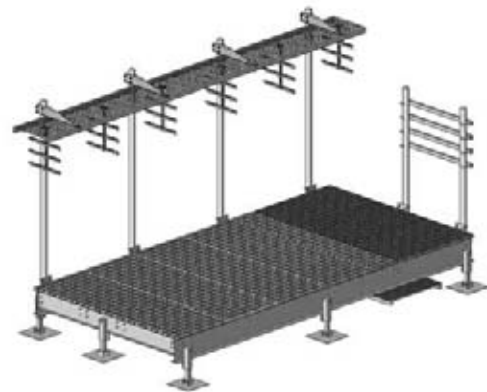
EQ-ST5	Single Platform Step for EQ-P Series Platforms	78 (53.4)
EQ-STEP-2	Double Step Kit for EQ-P Series Platforms	225 (102.1)
EQ-STEP-3	Triple Step Kit for EQ-P Series Platforms	290 (131.5)
EQ-STEP-4	Four Step Kit for EQ-P Series Platforms	365 (165.6)
EQ-STEP-5	Five Step Kit for EQ-P Series Platforms	405 (183.7)
EQ-STEP-6	Six Step Kit for EQ-P Series Platforms	505 (229.1)

Power Telco Rack Kit for EQ-P Series Platforms

EQ-PPC	Two Post Power Telco Rack Kit for EQ-P Series Platforms. Includes Brackets	262 (118.9)
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Post Bracket Kit for Waveguide Bridge Attachment to EQ-P Series Platforms

EQ-PB	Mounts 3-1/2" (88.9 mm) OD Pipe	72 (32.7)
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Site Related Components

Platform Components

Ice Canopies

- Application:** Site related
Design: Burial or base shoe design with gripstrut
Feature: Burial or base shoe
Material: Hot dip galvanized steel
Includes: Posts, gripstrut, mounting hardware

**Part Number
Weight, lb (kg)**

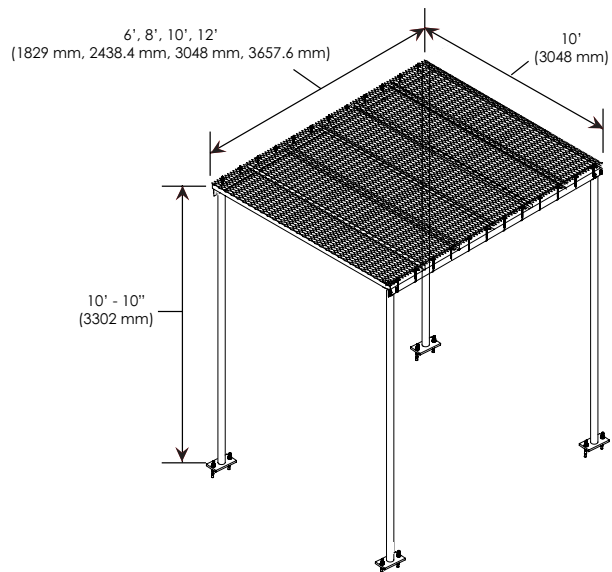
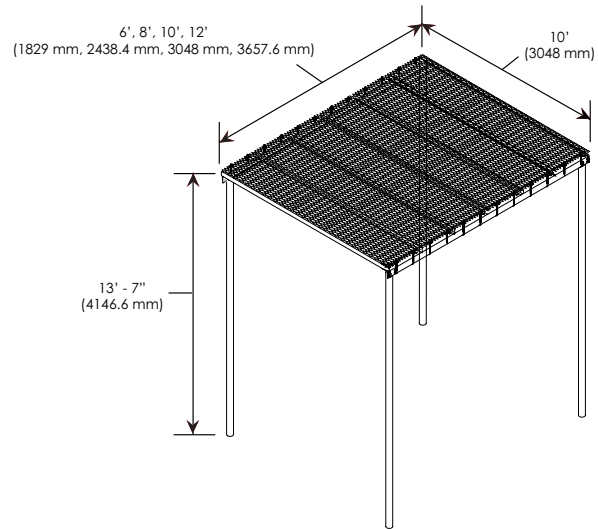
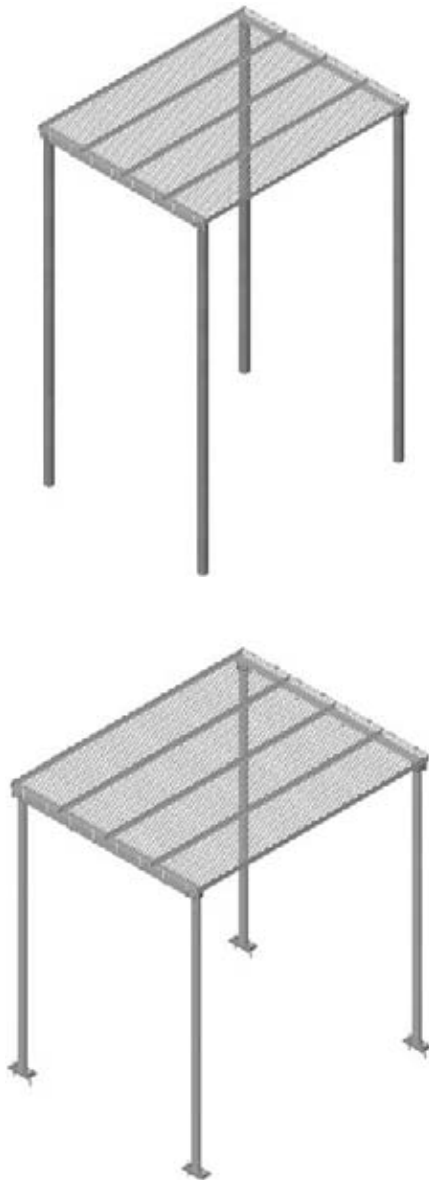
Description

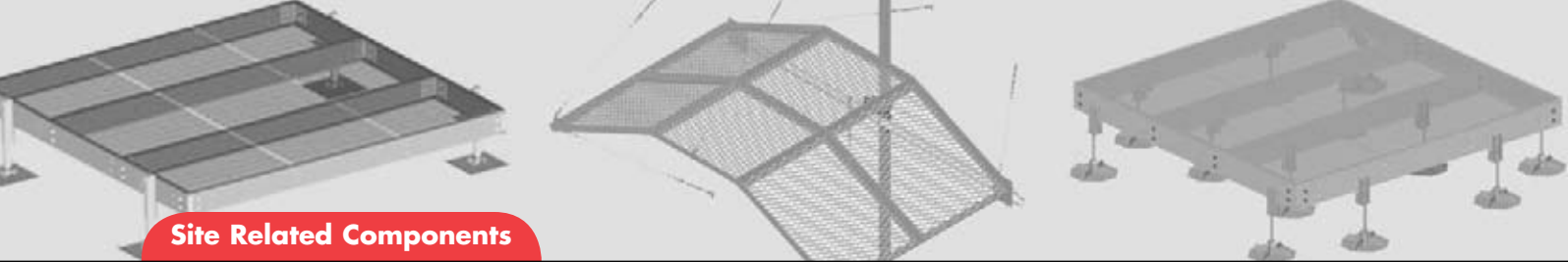
Ice Canopies, With Four 13'-4" (4.1 m) Direct Burial Pipes

IC-0610-B	6' x 10' (1.8 m x 3 m)	625 (283.5)
IC-0810-B	8' x 10' (2.4 m x 3 m)	725 (328.9)
IC-1010-B	10' x 10' (3 m x 3 m)	825 (374.2)
IC-0612-B	6' x 12' (1.8 m x 3.6 m)	650 (294.8)
IC-0812-B	8' x 12' (2.4 m x 3.6 m)	750 (340.2)
IC-1012-B	10' x 12' (3 m x 3.8 m)	930 (421.8)

Ice Canopies, With Four 10'-6" (3.1 m) Base Shoe Pipes

IC-0610-S	6' x 10' (1.8 m x 3 m)	715 (324.3)
IC-0810-S	8' x 10' (2.4 m x 3 m)	815 (369.7)
IC-1010-S	10' x 10' (3 m x 3 m)	915 (415.0)
IC-0612-S	6' x 12' (1.8 m x 3.6 m)	750 (340.2)
IC-0812-S	8' x 12' (2.4 m x 3.6 m)	850 (385.6)
IC-1012-S	10' x 12' (3 m x 3.8 m)	1030 (467.2)





Site Related Components

Microwave Ice Shields

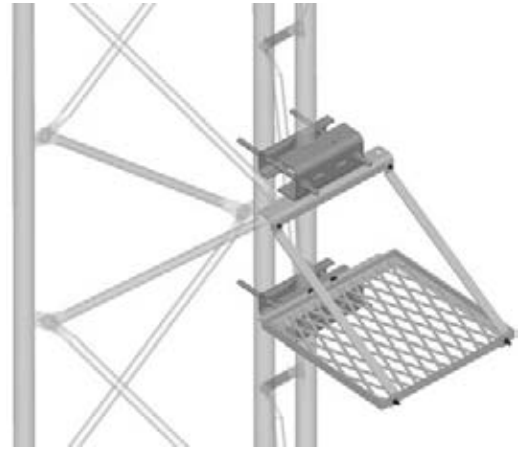
Square Antenna Ice Shields

- Application:** Lattice towers
Design: Heavy duty
Feature: Protects antenna from falling ice
Mounts to: 4-1/2" (114.3 mm) OD pipe
Material: Hot dip galvanized steel
Includes: Ice shield, mounting hardware
Order Separately: 4-1/2" (114.3 mm) OD pipe mount

Part Number	Description	Weight, lb (kg)
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Square Antenna Ice Shields

MD-SQ2	Square Antenna Ice Shield, 2' (609.5 mm) Square	125 (56.7)
MD-SQ3	Square Antenna Ice Shield, 3' (914.4 mm) Square	150 (68.0)
MD-SQ4	Square Antenna Ice Shield, 4' (1.21 m) Square	190 (86.2)



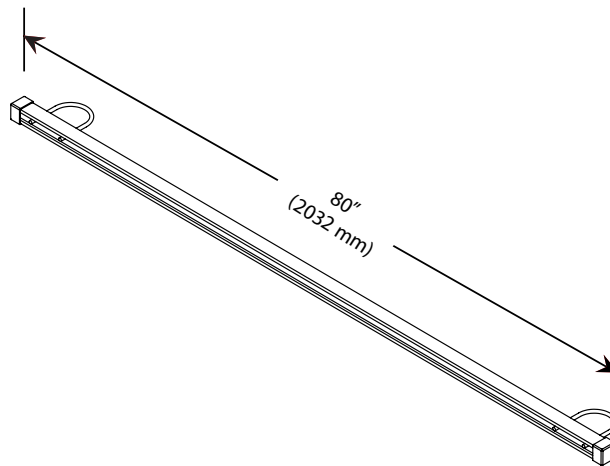
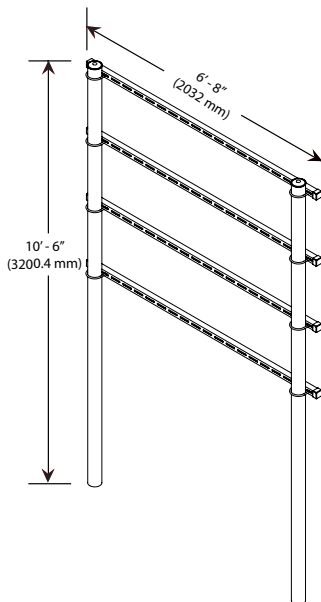
Power Telco Racks

- Application:** Site related
Size: 13'-4" (4.1 m) Posts
Design: Two posts, unistrut
Feature: Burial posts
Material: Hot dip galvanized steel
Includes: Posts, horizontal struts, mounting hardware

Part Number	Description	Weight, lb (kg)
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Telco Racks With 13'-4" (4.1 m) Burial Posts and 80" (2 m) Horizontal Rails

PT-R102	Power Telco Rack, Two 80" Rungs, 13'-4" Burial Posts	135 (62.0)
PT-R103	Power Telco Rack, Three 80" Rungs, 13'-4" Burial Posts	150 (68.0)
PT-R104	Power Telco Rack, Four 80" Rungs, 13'-4" Burial Posts	165 (75.0)
PT-RK	Power Telco Rung Kit, One Rung	15 (7.0)



Site Related Components

Microwave Ice Shields

Microwave Antenna Ice Shield

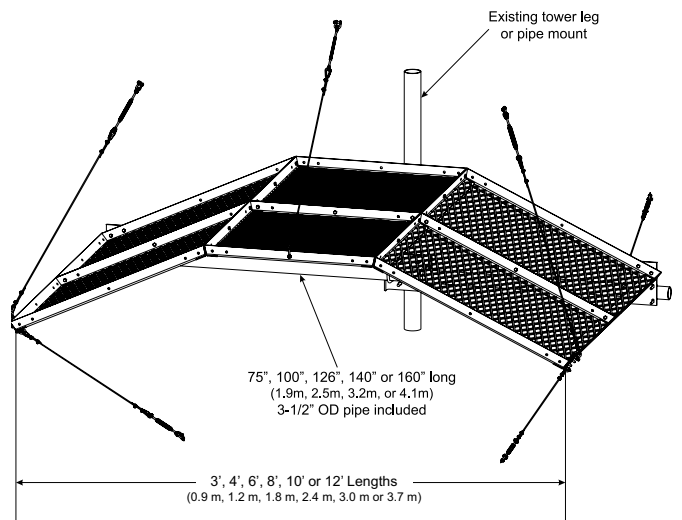
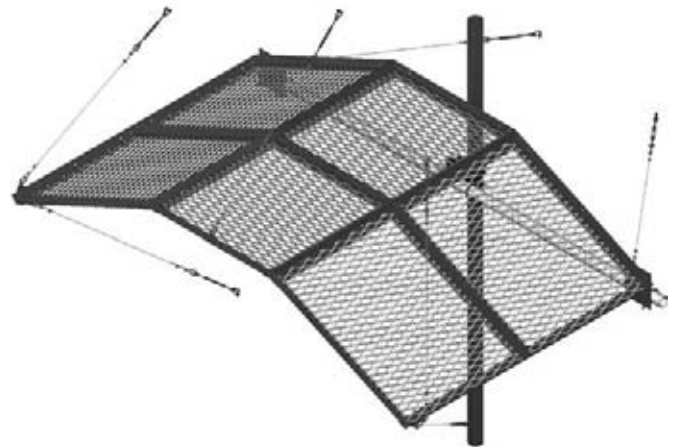
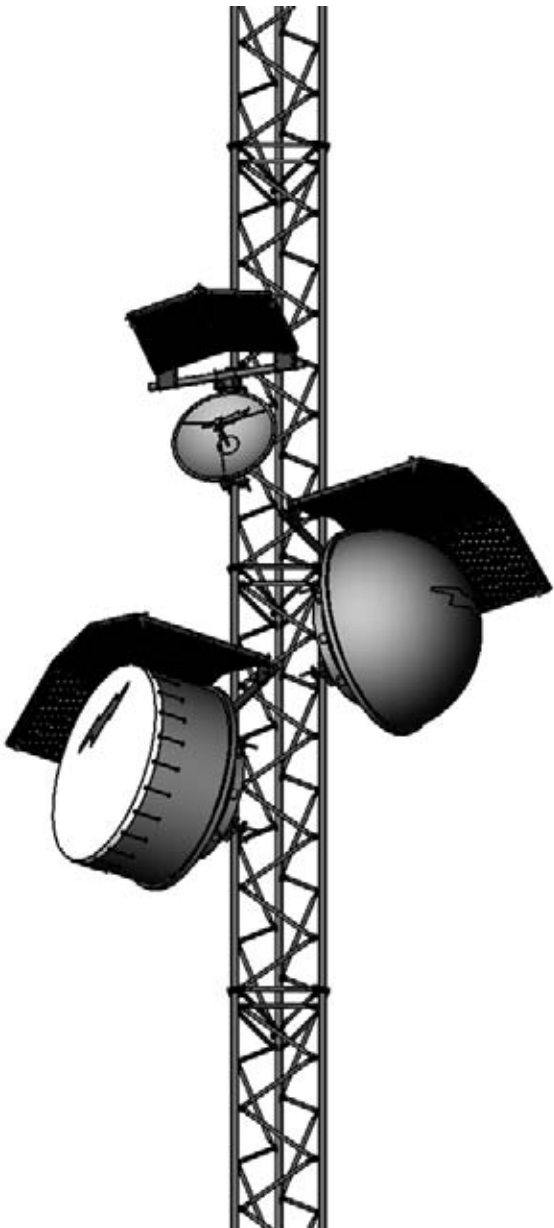
- Application:** Lattice tower
- Design:** Heavy duty
- Feature:** Bolt together, light weight panels
- Mounts to:** 4-1/2" (114.3 mm) OD pipe
- Material:** Hot dip galvanized steel
- Includes:** Ice shield and all attachment hardware
- Order Separately:** Pipe mount

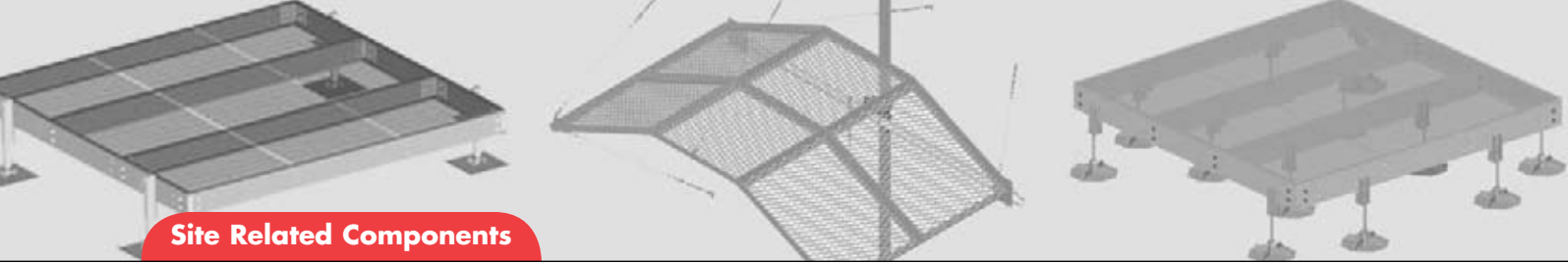
Part Number Description Weight, lb (kg)

Microwave Antenna Shields

Part Number	Description	Weight, lb (kg)
MD-S3	Microwave Antenna Shield, 3' (914.4 mm) Antenna	260 (117.9)
MD-S4	Microwave Antenna Shield, 4' (1.21 m) Antenna	290 (131.6)
MD-S6	Microwave Antenna Shield, 6' (1.8 m) Antenna	443 (200.9)
MD-S8	Microwave Antenna Shield, 8' (2.4 m) Antenna	571 (259.1)
MD-S10	Microwave Antenna Shield, 10' (3 m) Antenna	649 (294.4)
MD-S12	Microwave Antenna Shield, 12' (3.6 m) Antenna	763 (346.1)

*Custom lightweight or additional sizes available.
Contact our Customer Support Center for details.*





Site Related Components

Bulk Pipe and Angle

Bulk Pipe and Angle



Part Number	Description	Weight, lb (kg)
Pre-cut Plain End Pipe, Galvanized Steel		
MT-648	2-3/8" OD x 24" (60.3 mm OD x 0.6 m)	7 (3.18)
MT-649	2-3/8" OD x 36" (60.3 mm OD x 0.9 m)	11 (4.99)
MT-650	2-3/8" OD x 48" (60.3 mm OD x 1.2 m)	14 (6.35)
MT-650-63	2-3/8" OD x 63" (60.3 mm OD x 1.6 m)	19 (8.62)
MT-651	2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	21 (9.53)
MT-651-84	2-3/8" OD x 84" (60.3 mm OD x 2.1 m)	26 (11.79)
MT-651-96	2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	33.5 (15.20)
MT-651-108	2-3/8" OD x 108" (60.3 mm OD x 2.7 m)	29 (13.15)
MT-651-114	2-3/8" OD x 114" (60.3 mm OD x 2.9 m)	35.1 (15.92)
MT-537	2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	39.7 (18.01)
MT-651-150	2-3/8" OD x 150" (60.3 mm OD x 3.8 m)	46.3 (21.00)
MT-537-160	2-3/8" OD x 160" (60.3 mm OD x 4.1 m)	49.5 (22.45)
MT-537-170	2-3/8" OD x 170" (60.3 mm OD x 4.3 m)	52.7 (23.90)
MT-537-186	2-3/8" OD x 186" (60.3 mm OD x 4.7 m)	57.6 (26.13)
MT-546-48	2-7/8" OD x 48" (73 mm OD x 1.2 m)	37.8 (17.15)
MT-546-126	2-7/8" OD x 126" (73 mm OD x 3.2 m)	60 (27.22)
MT-546-150	2-7/8" OD x 150" (73 mm OD x 3.8 m)	72 (32.66)
MT-546-170	2-7/8" OD x 170" (73 mm OD x 4.3 m)	81.6 (37.01)
MT-546-198	2-7/8" OD x 198" (73 mm OD x 5 m)	95 (43.09)
MT-546-222	2-7/8" OD x 222" (73 mm OD x 5.6 m)	106.5 (48.31)
MT-547-108	3-1/2" OD x 108" (88.9 mm OD x 2.7 m)	105 (47.63)
MT-547-126	3-1/2" OD x 126" (88.9 mm OD x 3.2 m)	125 (56.70)
MT-547-174	3-1/2" OD x 174" (88.9 mm OD x 4.4 m)	132 (59.88)
MT-547-192	3-1/2" OD x 192" (88.9 mm OD x 4.9 m)	163.4 (74.12)
MT-652	4-1/2" OD x 36" (114.3 mm OD x 0.9 m)	33.5 (15.20)
MT-653	4-1/2" OD x 48" (114.3 mm OD x 1.2 m)	44.3 (20.09)
MT-653-63	4-1/2" OD x 63" (114.3 mm OD x 1.6 m)	57 (25.86)
MT-654	4-1/2" OD x 72" (114.3 mm OD x 1.8 m)	66 (29.94)

Part Number	Description	Weight, lb (kg)
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Pre-cut Plain End Pipe, Galvanized Steel (continued)

MT-654-96	4-1/2" OD x 96" (114.3 mm OD x 2.4 m)	88 (39.92)
MT-539	4-1/2" OD x 126" (114.3 mm OD x 3.2 m)	114 (51.71)
MT-654-150	4-1/2" OD x 150" (114.3 mm OD x 3.8 m)	156 (70.76)

Pre-cut Plain End Pipe, Aluminum

MT-655	2-3/8" OD x 24" (60.3 mm OD x 0.6 m)	2.5 (1.13)
MT-656	2-3/8" OD x 36" (60.3 mm OD x 0.9 m)	3.8 (1.72)
MT-657	2-3/8" OD x 48" (60.3 mm OD x 1.2 m)	5.1 (2.31)
MT-658	2-3/8" OD x 72" (60.3 mm OD x 1.8 m)	7.6 (3.45)
MT-541-96	2-3/8" OD x 96" (60.3 mm OD x 2.4 m)	8.6 (3.90)
MT-541-126	2-3/8" OD x 126" (60.3 mm OD x 3.2 m)	9.6 (4.35)
MT-541-150	2-3/8" OD x 150" (60.3 mm OD x 3.8 m)	10.6 (4.81)
MT-659	4-1/2" OD x 36" (114.3 mm OD x 0.9 m)	11.3 (5.13)
MT-660	4-1/2" OD x 48" (114.3 mm OD x 1.2 m)	15 (6.80)
MT-661	4-1/2" OD x 72" (114.3 mm OD x 1.8 m)	22.4 (10.16)

Bulk Pipe, Galvanized Steel

MT-538	2-3/8" OD x 21' (60.3 mm OD x 6.4 m)	77.7 (35.24)
MT-546	2-7/8" OD x 21' (73 mm OD x 6.4 m)	121 (54.89)
MT-547	3-1/2" OD x 21' (88.9 mm OD x 6.4 m)	158.8 (72.1)
MT-540	4-1/2" OD x 21' (114.3 mm OD x 6.4 m)	228 (103.42)

Bulk Pipe, Aluminum

MT-541	2-3/8" OD x 10' (60.3 mm OD x 3 m)	12.7 (5.76)
MT-542	2-3/8" OD x 20' (60.3 mm OD x 6 m)	25.3 (11.48)

Bulk Angle, Galvanized Steel

MT-524	2" x 2" x 3/16", 20' (50.8 mm x 50.8 mm x 4.8 mm, 6 m)	35 (15.88)
MT-525	2" x 2" x 1/4", 20' (50.8 mm x 50.8 mm x 6.4 mm, 6 m)	49 (22.23)
MT-527	2-1/2" x 2-1/2" x 3/16", 20' (63.5 mm x 63.5 mm x 4.8 mm, 6 m)	62 (28.12)
MT-528	2-1/2" x 2-1/2" x 1/4", 20' (63.5 mm x 63.5 mm x 6.4 mm, 6 m)	82.5 (37.42)
MT-529	3" x 3" x 3/16", 20' (76.2 mm x 76.2 mm x 4.8 mm, 6 m)	74.5 (33.79)
MT-530	3" x 3" x 1/4", 20' (76.2 mm x 76.2 mm x 6.4 mm, 6 m)	98.4 (44.7)

Bulk Angle, Aluminum

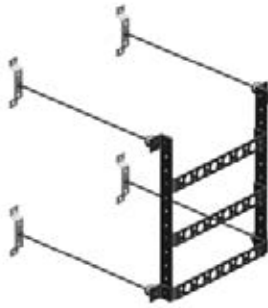
MT-536	3" x 3" x 3/8", 25' (76.2 mm x 76.2 mm x 9.5 mm, 7.6 m)	61.8 (28.03)
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Site Related Components

Grounding Components

Arrestor Trapeze Kit

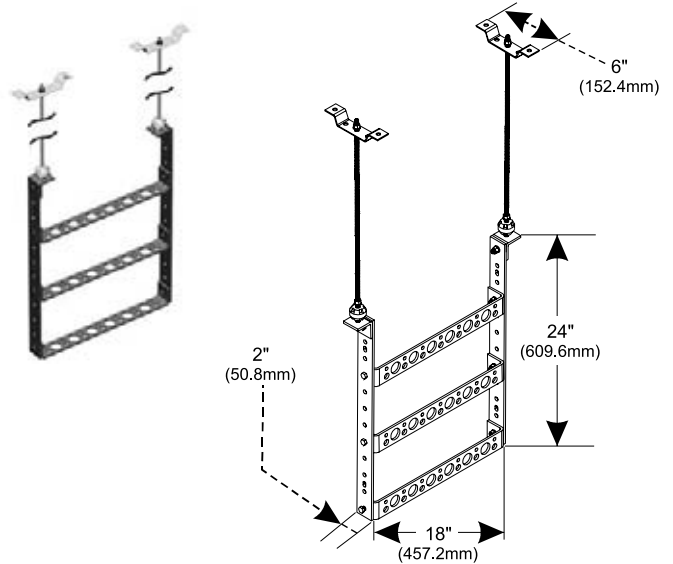
- Application:** Grounding
- Size:** 3 or 4 tier, 6-hole pattern
- Design:** Common ground for lightning arrestors
- Feature:** Accommodates most arrestor styles
- Mounts to:** Ceiling or wall mounting
- Material:** Copper
- Includes:** Trapeze, threaded rod, and ceiling brackets



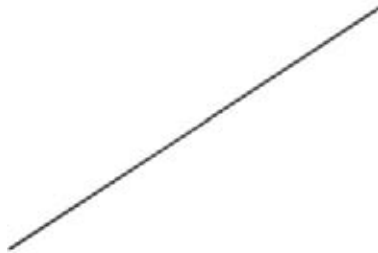
Part Number	Description	Weight, lb (kg)
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Arrestor Trapeze Kit

AT-K306-U	Arrestor Trapeze Kit, 3 Tier x 6 Hole	21.3 (9.7)
AT-K406-U	Arrestor Trapeze Kit, 4 Tier x 6 Hole	24.3 (11.0)



Ground Rods



Part Number	Description	Weight, lb (kg)
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Copper Clad Steel Pointed Ground Rods

MT-576	Ground Rod, 5/8" x 8' (15.9 mm x 2.4 m)	8 (3.63)
RGC5800	Ground Rod, 5/8" x 10' (15.9 mm x 3.1 m)	10 (4.54)

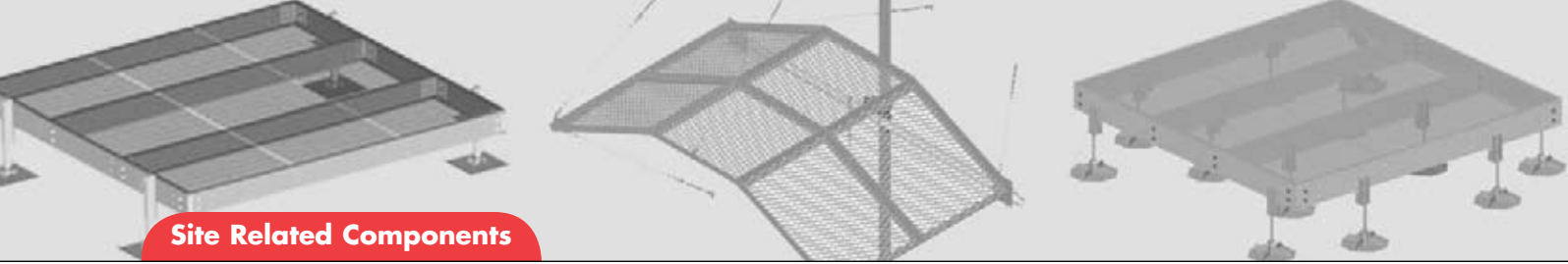
Ground Wire



Part Number	Description	Weight, lb (kg)
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Ground Wire

MT-584-250	#2 AWG Stranded Insulated Ground Wire, Black Jacket, 250' (76.2 m) Roll	58 (20.05)
MT-584G-250	#2 AWG Stranded Insulated Ground Wire, Green Jacket, 250' (76.2 m) Roll	58 (20.05)
MT-585T-250	#2 AWG Solid Tinned Copper Ground Wire, 250' (76.2 m) Roll	58 (20.05)
MT-586-250	#6 AWG Stranded Insulated Ground Wire, Black Jacket, 250' (76.2 m) Roll	33 (14.97)
MT-586G-250	#6 AWG Stranded Insulated Ground Wire, Green Jacket, 250' (76.2 m) Roll	33 (14.97)



Site Related Components

Grounding Components

Bulk Ground Lug Kits

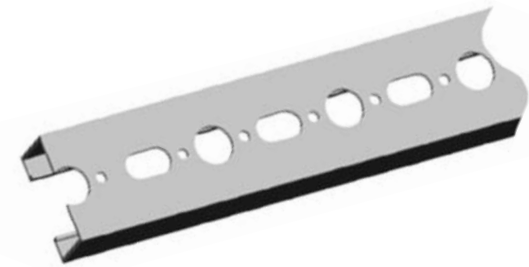


Part Number	Description	Weight, lb (kg)
Bulk Ground Lug Kits		
MT-577-100	#2 AWG, 2-Hole Crimp-on Lug for 3/8" (9.5 mm) Hardware, Kit of 100	2.8 (1.27)
MT-592-100	#6 AWG, 2-Hole Universal Crimp-on Lug for 3/8" (9.5 mm) Hardware, Kit of 100	2.1 (0.95)

Com-Strut

- Application:** Site related
- Size:** 7/16" (11.1 mm) slots, 3/4" (19.1 mm), 1/8" (3.2 mm) holes
- Design:** 1-5/8" (41.3 mm) channel
- Feature:** Versatile mounting solution
- Material:** Hot dip galvanized steel
- Order Separately:** Additional accessories

Part Number	Description	Weight, lb (kg)
Com-Strut		
VC-CST	Com-Strut, 10' (3 m) Long	14 (6.35)



Spring Nuts



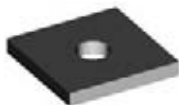
Part Number	Description	Weight, lb (kg)
Spring Nut 1-5/8" (41.3 mm)		
MT-491	3/8" (9.5 mm) Hole	0.1 (0.05)

Spring Nut Kits



Part Number	Description	Weight, lb (kg)
Spring Nut Kits 1-5/8" (41.3 mm)		
MT-662	3/8" (9.5 mm) Hole, Kit of 10	1.9 (0.86)

Square Washers



Part Number	Description	Weight, lb (kg)
Square Washer, 1-1/2" x 1-5/8" (12.7 mm x 41.3 mm)		
MT-387	7/16" (11.1 mm) Hole	0.1 (0.05)
MT-388	9/16" (14.2 mm) Hole	0.1 (0.05)

Site Related Components

Hardware and Fastners

Backing Plates



Part Number	Description	Weight, lb (kg)
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Backing Plates

SW-38	2" x 2" x 1/8" (50.8 mm x 50.8 mm x 3.2 mm), Accepts 1/2" Hardware	0.2 (0.09)
SW-12	2" x 2" x 1/8" (50.8 mm x 50.8 mm x 3.2 mm), Accepts 3/8" Hardware	0.2 (0.09)
SW-58	2-1/4" x 2-1/4" x 3/16" (57.2 mm x 57.2 mm x 4.8 mm), Accepts 5/8" Hardware	0.2 (0.09)
BP-06	Backing Plate, 6" x 6" x 1/4" (152.4 mm x 152.4 mm x 6.4 mm), Accepts 5/8" Hardware	2.6 (1.2)

Tie Wraps



Part Number	Description	Weight, lb (kg)
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Tie Wraps

TW-50	Black Nylon Tie Wraps, Kit of 50	0.4 (0.2)
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Adjustable Clamps

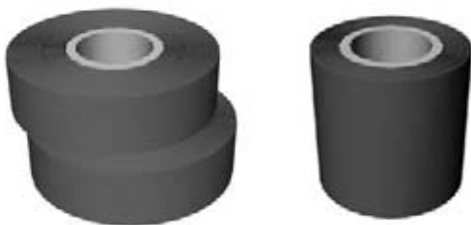


Part Number	Description	Weight, lb (kg)
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Adjustable Clamps

RM-A800	Adjustable Clamp 2" to 10" (50.8 mm to 254 mm), Kit of 10	1.0 (0.5)
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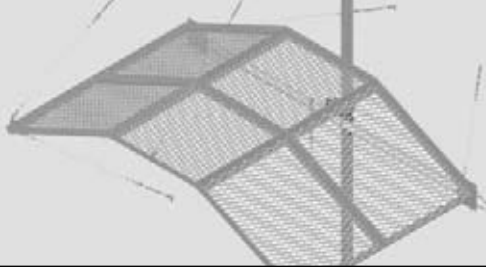
Electrical Tape



Part Number	Description	Weight, lb (kg)
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Electrical Tape

9905-41	3/4" x 66' (19.1 mm x 20.1 m) Roll	0.2 (0.1)
9905-71	2" x 20' (50.8 mm x 6.1 m) Roll	0.2 (0.1)



Site Related Components

Hardware and Fasteners

Bolts and Bolt Assemblies



Part Number Description

Galvanized Bolt Assemblies, Grade 5. Bolt, Washer and Nut Included

GB-03065	3/8" x 3/4" Galvanized Bolt Kit, Grade 5
GB-03105	3/8" x 1" Galvanized Bolt Kit, Grade 5
GB-03125	3/8" x 1-1/4" Galvanized Bolt Kit, Grade 5
GB-03145	3/8" x 1-1/2" Galvanized Bolt Kit, Grade 5
GB-03165	3/8" x 1-3/4" Galvanized Bolt Kit, Grade 5
GB-03205	3/8" x 2" Galvanized Bolt Kit, Grade 5
GB-04105	1/2" x 1" Galvanized Bolt Kit, Grade 5
GB-04145	1/2" x 1-1/2" Galvanized Bolt Kit, Grade 5
GB-04205	1/2" x 2" Galvanized Bolt Kit, Grade 5
GB-04245	1/2" x 2-1/2" Galvanized Bolt Kit, Grade 5
GB-04305	1/2" x 3" Galvanized Bolt Kit, Grade 5
GB-04345	1/2" x 3-1/2" Galvanized Bolt Kit, Grade 5
GB-04405	1/2" x 4" Galvanized Bolt Kit, Grade 5
GB-04445	1/2" x 4-1/2" Galvanized Bolt Kit, Grade 5
GB-04505	1/2" x 5" Galvanized Bolt Kit, Grade 5
GB-05125	5/8" x 1-1/4" Galvanized Bolt Kit, Grade 5
GB-05145	5/8" x 1-1/2" Galvanized Bolt Kit, Grade 5
GB-05205	5/8" x 2" Galvanized Bolt Kit, Grade 5
GB-05245	5/8" x 2-1/2" Galvanized Bolt Kit, Grade 5
GB-05305	5/8" x 3" Galvanized Bolt Kit, Grade 5
GB-05345	5/8" x 3-1/2" Galvanized Bolt Kit, Grade 5
GB-05405	5/8" x 4" Galvanized Bolt Kit, Grade 5
GB-05445	5/8" x 4-1/2" Galvanized Bolt Kit, Grade 5
GB-05505	5/8" x 5" Galvanized Bolt Kit, Grade 5

Stainless Steel, Hex Head Bolts, Type 18-8, Nut and Washer Ordered Separately

SB-0206	1/4" x 3/4" Stainless Steel Bolt
SB-0210	1/4" x 1" Stainless Steel Bolt
SB-0212	1/4" x 1-1/4" Stainless Steel Bolt
SB-0220	1/4" x 2" Stainless Steel Bolt
SB-0224	1/4" x 2-1/2" Stainless Steel Bolt
SB-0306	3/8" x 3/4" Stainless Steel Bolt
SB-0310	3/8" x 1" Stainless Steel Bolt
SB-0312	3/8" x 1-1/4" Stainless Steel Bolt
SB-0314	3/8" x 1-1/2" Stainless Steel Bolt
SB-0316	3/8" x 1-3/4" Stainless Steel Bolt

Flat Washers



Part Number Description

Galvanized

GWF-03	3/8" Galvanized Flat Washer
GWF-04	1/2" Galvanized Flat Washer
GWF-05	5/8" Galvanized Flat Washer
GWF-06	3/4" Galvanized Flat Washer

Stainless Steel

SWF-02	1/4" Stainless Steel Flat Washer
SWF-03	3/8" Stainless Steel Flat Washer

Site Related Components
Hardware and Fasteners
Lock Washers

Part Number Description
Galvanized

GWL-03	3/8" Galvanized Lock Washer
GWL-04	1/2" Galvanized Lock Washer
GWL-05	5/8" Galvanized Lock Washer
GWL-06	3/4" Galvanized Lock Washer

Stainless Steel

SWL-02	1/4" Stainless Steel Lock Washer
SWL-03	3/8" Stainless Steel Lock Washer

Hex Nuts

Part Number Description
Galvanized

GN-03	3/8" Galvanized Hex Nut (C2)
GN-04	1/2" Galvanized Hex Nut (C2)
GN-05	5/8" Galvanized Hex Nut (C2)
GN-06	3/4" Galvanized Hex Nut (C2)

Stainless Steel

SN-02	1/4" Stainless Steel Hex Nut
SN-03	3/8" Stainless Steel Hex Nut

Galvanized Lag Screws

Part Number Description
Galvanized

GLS-0320	3/8" x 2" Galvanized Lag Screw
GLS-0330	3/8" x 3" Galvanized Lag Screw
GLS-0414	1/2" x 1-1/2" Galvanized Lag Screw

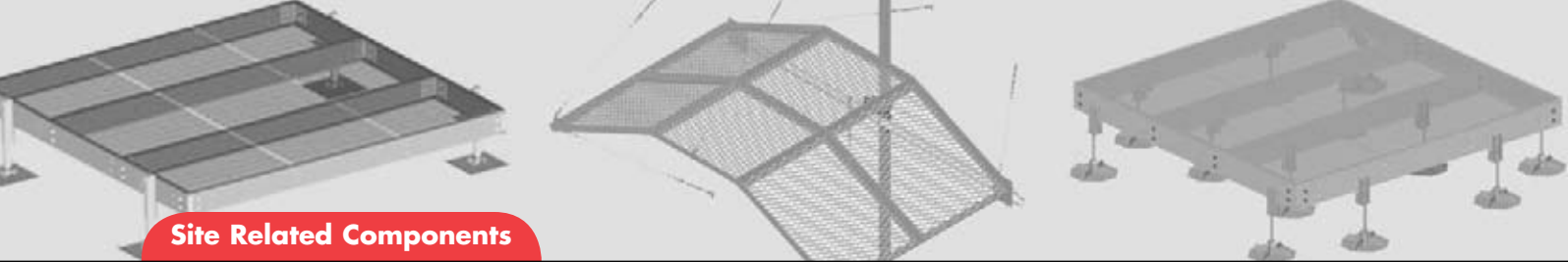
Threaded Rod

Part Number Description
Weight, lb (kg)
Galvanized

MT-378	3/8" x 120" Galvanized Threaded Rod	5 (2.27)
MT-380	1/2" x 120" Galvanized Threaded Rod	10 (4.54)
MT-382	5/8" x 120" Galvanized Threaded Rod	12 (5.5)
MT-384	3/4" x 120" Galvanized Threaded Rod	16 (7.26)

Stainless Steel

MT-373	3/8" x 12" Stainless Steel Threaded Rod	0.5 (0.23)
MT-373-24	3/8" x 24" Stainless Steel Threaded Rod	1 (0.45)
MT-374	3/8" x 36" Stainless Steel Threaded Rod	1.5 (0.68)
MT-376	3/8" x 144" Stainless Steel Threaded Rod	6 (2.72)



Site Related Components

Hardware and Fasteners

Threaded Coupler



Part Number Description

Threaded Coupler

MT-390	3/8" Threaded Rod Coupler
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Galvanized U-bolt Assemblies



Part Number Description

Weight, lb (kg)

Galvanized U-bolt Assemblies

GUB-3244	3/8" x 2-1/2" x 4"	0.3 (0.14)
GUB-4240	1/2" x 2-1/2" x 4"	0.6 (0.27)
GUB-4352	1/2" x 3" x 5-1/4"	0.8 (0.36)
GUB-4355	1/2" x 3-5/8" x 5"	0.8 (0.36)
GUB-4356	1/2" x 3-5/8" x 6"	0.9 (0.41)
GUB-4456	1/2" x 4-5/8" x 6-1/2"	1 (0.45)
GUB-53560	5/8" x 3" x 6"	1.3 (0.59)
GUB-5456	5/8" x 4-5/8" x 6-1/2"	1.6 (0.73)

J-bolt Assembly



Part Number Description

Weight, lb (kg)

J-bolt Assembly

JB-8K	J-bolt Kit, 8" (full thread length)	0.3 (0.14)
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Anchors



Part Number Description

Anchors

MT-271	1/2" x 3-3/4" Wedge Anchor
MT-280	5/8" x 6" Wedge Anchor
MT-287	3/4" x 7" Wedge Anchor

Self Drilling Screws

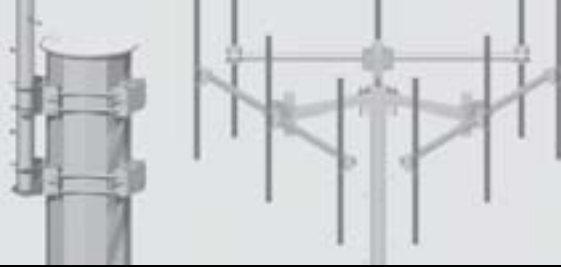


Part Number Description

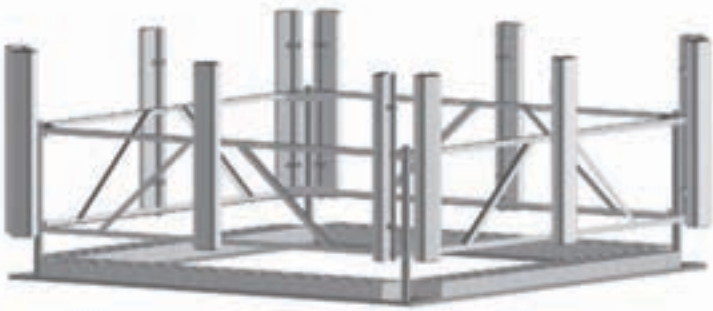
Weight, lb (kg)

Stainless Steel Self Drilling Screws

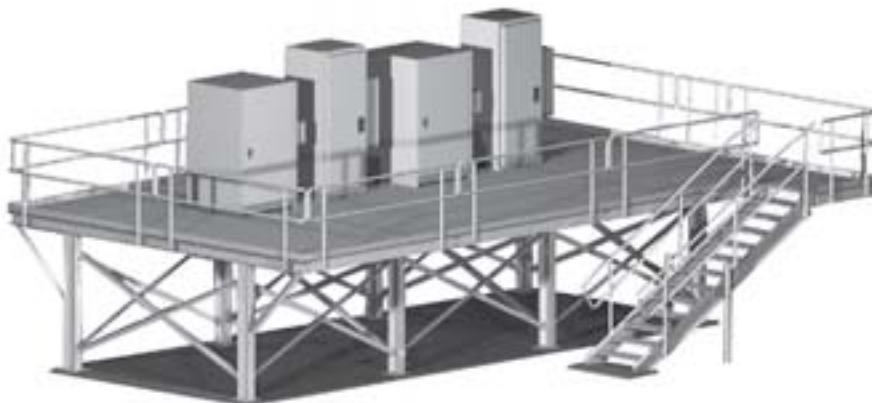
SS-025	1/4" x 3/4", Kit of 100	1.2 (0.6)
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Customs



Andrew Solutions Steel Division is committed to fulfilling the industry's demand for custom components. Andrew Solutions can quickly deliver custom fabricated products whether designed from scratch or built from existing drawings.

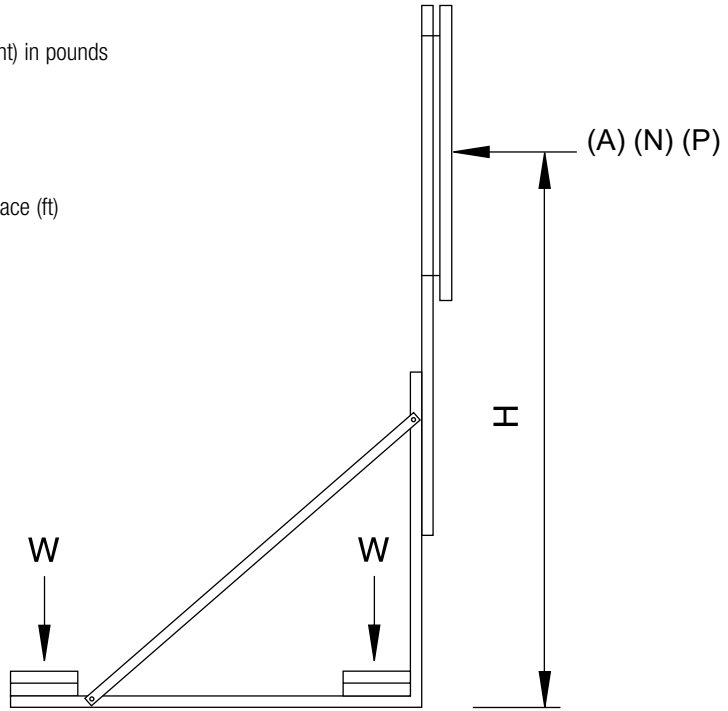


Ballast Formula for RF-N Series Mounts

$$W = 0.150 (P)(A)(N)(H)$$

- Where
- W = required ballast per tray (two trays per mount) in pounds
 - P = design wind pressure per UBC formula
 - A = area of one antenna (sq ft)
 - N = number of antennas
 - H = distance from center of antenna to roof surface (ft)

The total ballast weight required is 2 x W.



Universal Tripod Mounts

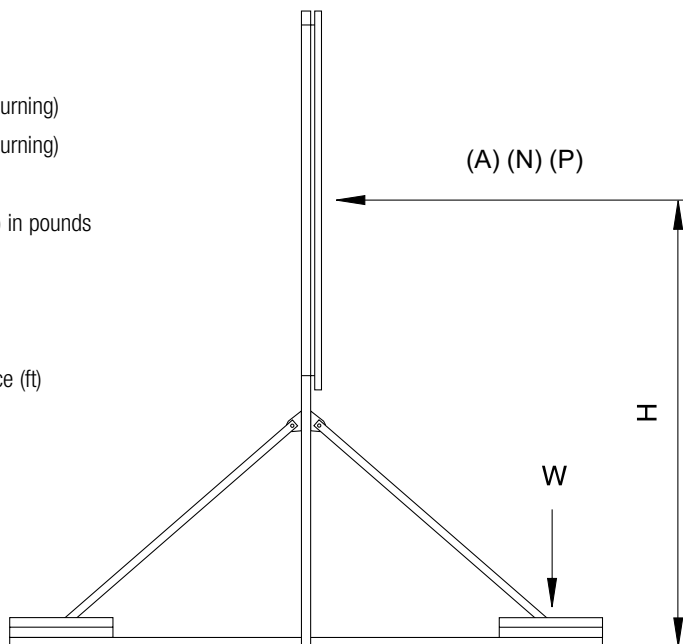
Ballast Formula for TP-G Series Mounts

$$W = (0.147 (P)(A)(N)(H)) - 83 \quad (1.25 \text{ factor of safety for overturning})$$

$$W = (0.176 (P)(A)(N)(H)) - 83 \quad (1.50 \text{ factor of safety for overturning})$$

- Where
- W = required ballast per tray (two trays per mount) in pounds
 - P = design wind pressure per UBC formula
 - A = area of one antenna (sq ft)
 - N = number of antennas
 - H = distance from center of antenna to roof surface (ft)

The total ballast weight required is 3 x W.



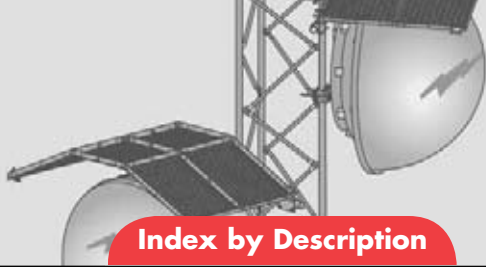


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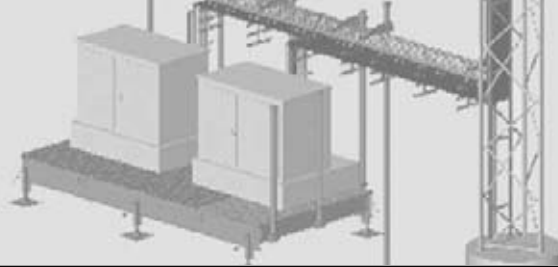
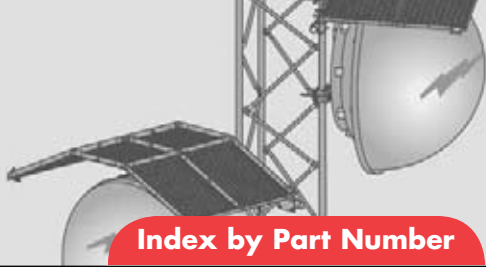
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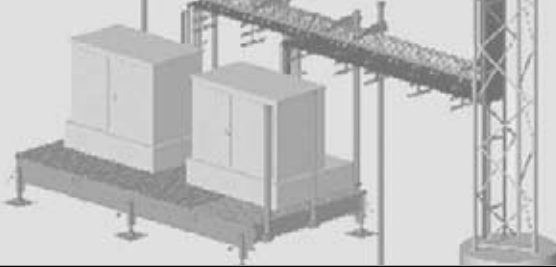
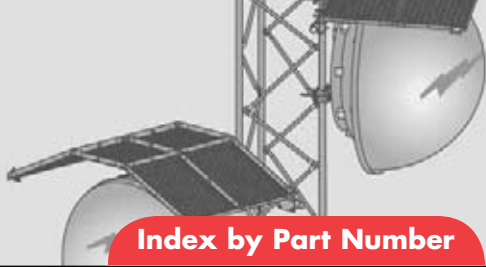
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GB-05145	102	IC-0812-S	95	MC-DPM3-72	38	MCK12M-9-72	32
GB-05205	102	IC-1010-B	95	MC-DPM3-84	38	MCK12M-9-96	32
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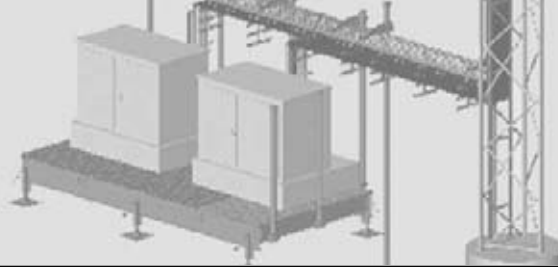
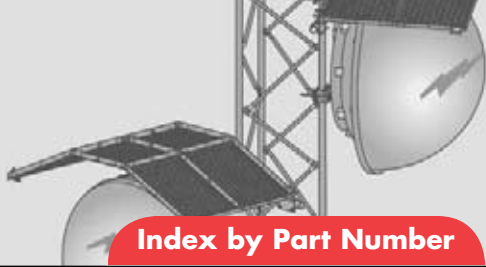
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Pipe Dimensions

Pipe Size	OD (Inches)	OD (mm)
1/2"	0.84	21.34
3/4"	1.05	26.67
1"	1.32	33.40
1-1/4"	1.66	42.16
1-1/2"	1.90	48.26
2"	2.38	60.33
2-1/2"	2.88	73.03
3"	3.50	88.90
3-1/2"	4.00	101.60
4"	4.50	114.30
5"	5.56	141.30
6"	6.63	168.30
8"	8.63	219.08



Fraction/Decimal/Metric Chart

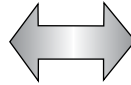
Inches Fraction	Inches Decimal	Millimeters
1/16	0.0625	1.6
1/8	0.1250	3.2
3/16	0.1875	4.8
1/4	0.2500	6.4
5/16	0.3125	7.9
3/8	0.3750	9.5
7/16	0.4375	11.1
1/2	0.5000	12.7
9/16	0.5625	14.3
5/8	0.6250	15.9
11/16	0.6875	17.5
3/4	0.7500	19.1
13/16	0.8125	20.6
7/8	0.8750	22.2
15/16	0.9375	23.8
1	1.0000	25.4

NOTE: Not applicable to coaxial cables



Steel Thicknesses

Gage	Thickness (Inches)	Thickness (mm)
10	0.1345	3.416
11	0.1196	3.038
12	0.1046	2.657
13	0.0897	2.278
14	0.0747	1.897
15	0.0673	1.709
16	0.0598	1.519



Conversion Factors

Convert From	Convert To	Multiply By
Length		
foot (ft)	meter (m)	0.3048
inch (in)	meter (m)	0.0254
inch (in)	centimeter (cm)	2.5400
meter (m)	foot (ft)	3.2808
meter (m)	inch (in)	39.3700
centimeter (cm)	inch (in)	0.3937
millimeter (mm)	inch (in)	0.0393
Area		
square foot (ft ²)	square meter (m ²)	0.0929
square meter (m ²)	square foot (ft ²)	10.7639
Circle		
radius	diameter	2.0000
diameter	radius	0.5000
diameter	circumference	3.1416
radius	circumference	6.2832
Weight		
pound (lb)	kilogram (kg)	0.4536
kilogram (kg)	pound (lb)	2.2046



AWG Wire Sizes

AWG Size	Stranded, OD (overall)		Solid, OD	
	Inch	Millimeter	Inch	Millimeter
4/0	0.528	13.41	0.460	11.68
2/0	0.419	10.64	0.409	10.39
1/0	0.373	9.47	0.324	8.23
2	0.292	7.42	0.257	6.53
4	0.232	5.88	0.204	5.18
6	0.184	4.66	0.162	4.11
8	0.146	3.70	0.128	3.25
10	0.116	2.94	0.102	2.59



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