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EQUIPMENT SPECIFICATIONS

2020-10-08



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Rooftop Radios

NanoBeam: connect to minor sites

PowerBeam: connect to major sites

GigaBeam: high-speed connections

PrismStation: connect to end-users



NanoBeam[®] AC GEN2

airMAX[®] ac CPE with Dedicated Management Radio

Model: NBE-5AC-Gen2

Uniform Beamwidth Maximizes Noise Immunity

Dedicated Wi-Fi Radio for Management

airMAX ac Processor for Superior Performance

Hardware Overview

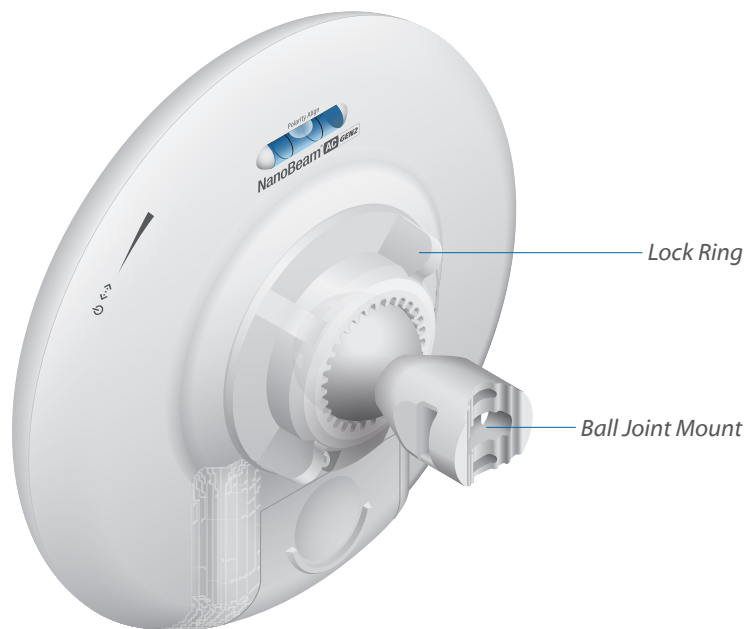
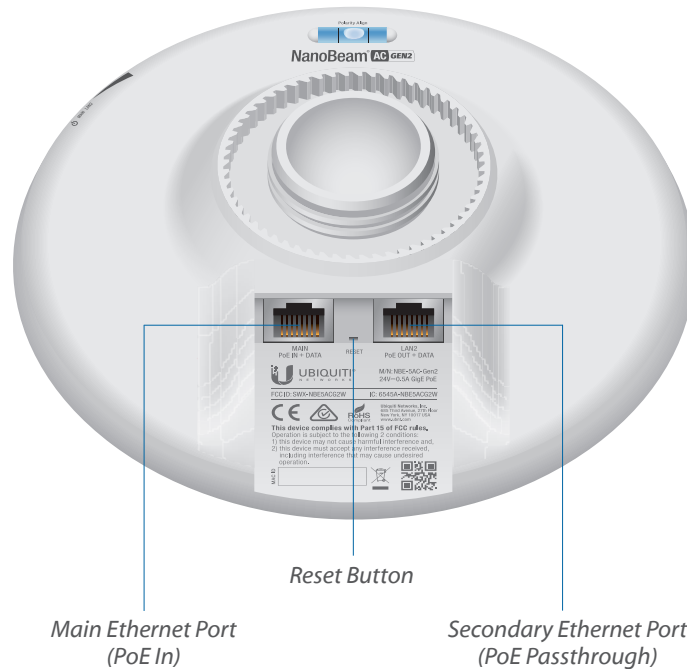
The NanoBeam 5AC Gen 2 features airMAX ac technology and enhanced protection against ESD events.

Ease of Installation

- **Quick Installation** No fasteners are required for pole-mounting, and a single wall fastener (not included) is required for wall-mounting.
- **Convenient Alignment** The NanoBeam 5AC Gen 2 pivots on its ball joint 3-axis mount for easy aiming.

Innovative Mechanical Design

- **Efficient Footprint** The radio and antenna are combined into a single body that takes up minimal space. The form factor features the highest gain for its size.
- **Aesthetics** The NanoBeam 5AC Gen 2 is small enough to blend discreetly into the background at a customer's location.
- **Versatile Mounting** The NanoBeam 5AC Gen 2 can be mounted in almost any position needed for line of sight.



Specifications

NBE-5AC-Gen2		
Dimensions (Mount Included)	189 x 189 x 125 mm (7.44 x 7.44 x 4.92")	
Weight (Mount Included)	0.530 kg (1.17 lb)	
Power Supply	24V, 0.5A Gigabit PoE Adapter (Included)	
Max. Power Consumption	8.5W	
Gain	19 dBi	
Networking Interface	(2) 10/100/1000 Ethernet Ports Wi-Fi for Management	
Processor Specs	Atheros MIPS 74Kc, 720 MHz	
Memory	128 MB DDR2, 8 MB Flash	
LEDs	Power, Ethernet, (4) Signal Strength	
Signal Strength LEDs	Software-Adjustable to Correspond to Custom RSSI Levels	
Max. VSWR	1.5:1	
Channel Sizes	PtP Mode	PtMP Mode
	10/20/30/40/50/60/80 MHz	10/20/30/40 MHz
Polarization	Dual Linear	
Enclosure	Outdoor UV Stabilized Plastic	
Mounting	Pole-Mount (Kit Included), Wall-Mount	
Wind Loading	45.4 N @ 200 km/h (10.2 lbf @ 125 mph)	
Wind Survivability	200 km/h (125 mph)	
ESD/EMP Protection	Air: ± 24 kV, Contact: ± 24 kV	
Operating Temperature	-40 to 80° C (-40 to 176° F)	
Operating Humidity	5 to 95% Noncondensing	
Certifications	CE, FCC, IC	
RoHS Compliance	Yes	
Salt Fog Test	IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5	
Vibration Test	IEC 68-2-6	
Temperature Shock Test	IEC 68-2-14	
UV Test	IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	
Wind-Driven Rain Test	ETS 300 019-1-4, Equivalent: MIL-STD-810 G Method 506.5	

Operating Frequency (MHz)				
Worldwide	5150 - 5875			
USA	U-NII-1: 5150 - 5250	U-NII-2A: 5250 - 5350 MHz	U-NII-2C: 5470 - 5725 MHz	U-NII-3: 5725 - 5850

Management Radio (MHz)	
Worldwide	2412 - 2472
USA	2412 - 2462

NBE-5AC-Gen2 Output Power: 25 dBm							
TX Power Specifications				RX Power Specifications			
Modulation	Data Rate	Avg. TX	Tolerance	Modulation	Data Rate	Sensitivity	Tolerance
airMAX ac	1x BPSK (½)	25 dBm	± 2 dB	airMAX ac	1x BPSK (½)	-96 dBm	± 2 dB
	2x QPSK (½)	25 dBm	± 2 dB		2x QPSK (½)	-95 dBm	± 2 dB
	2x QPSK (¾)	25 dBm	± 2 dB		2x QPSK (¾)	-92 dBm	± 2 dB
	4x 16QAM (½)	25 dBm	± 2 dB		4x 16QAM (½)	-90 dBm	± 2 dB
	4x 16QAM (¾)	25 dBm	± 2 dB		4x 16QAM (¾)	-86 dBm	± 2 dB
	6x 64QAM (¾)	24 dBm	± 2 dB		6x 64QAM (¾)	-83 dBm	± 2 dB
	6x 64QAM (¾)	23 dBm	± 2 dB		6x 64QAM (¾)	-77 dBm	± 2 dB
	6x 64QAM (¾)	22 dBm	± 2 dB		6x 64QAM (¾)	-74 dBm	± 2 dB
	8x 256QAM (¾)	21 dBm	± 2 dB		8x 256QAM (¾)	-69 dBm	± 2 dB
	8x 256QAM (¾)	20 dBm	± 2 dB		8x 256QAM (¾)	-65 dBm	± 2 dB



PowerBeam® **AC GEN2**

5 GHz High Performance airMAX® ac Bridge

Models: PBE-5AC-Gen2, PBE-5AC-ISO-Gen2

Highly Efficient Antenna Beam Performance

Up to 450+ Mbps Throughput

Dedicated Wi-Fi Radio for Management



Hardware Overview

The PowerBeam 5AC Gen 2 supports up to 450+ Mbps real TCP/IP throughput and features improved surge protection.

Innovative Mechanical Design

- **Built-in mechanical tilt** Mounting bracket conveniently offers elevation adjustments: $\pm 20^\circ$ tilt.
- **Quick assembly** Minimal fasteners simplify installation.
- **Easy removal** The antenna feed can be detached with the push of a button.

Industrial-Strength Construction

- **Fasteners** GEOMET-coated for improved corrosion resistance when compared with zinc-plated fasteners.
- **Dish and brackets** Made of galvanized steel that is powder-coated for superior corrosion resistance. The hardware also prevents paint from being removed from the metal brackets for improved corrosion resistance.
- **Optional support** In high-wind environments, you can enhance support with additional hardware (not included).

PBE-5AC-Gen2

The dish reflector design of the PBE-5AC-Gen2 makes it an ideal CPE for deployments requiring maximum performance. A protective radome is available as an optional accessory for the PBE-5AC-Gen2.

PowerBeam®
400 mm Radome

Model	Frequency	PBE-5AC-Gen2	Dish Reflector
PBE-RAD-400	5 GHz	✓	400 mm



PBE-5AC-ISO-Gen2

The PBE-5AC-ISO-Gen2 offers a rear housing with a metal-plated interior, designed to enhance RF shielding. Additionally, an included protective radome shields the PowerBeam 5AC ISO Gen 2 from nature's harshest elements.

Breakthrough RF Isolation

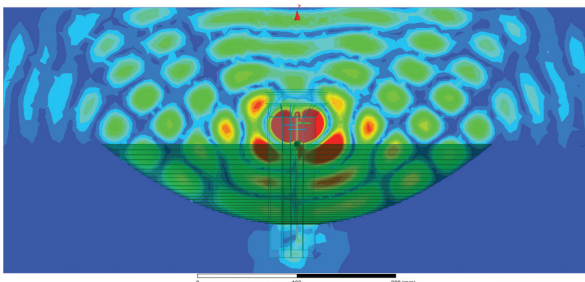
The integrated isolator design spatially filters out interference, so the PBE-5AC-ISO-Gen2 delivers improved noise immunity in co-location deployments.

Compare the two near-field plots below, and note the superior performance of the integrated RF isolator.

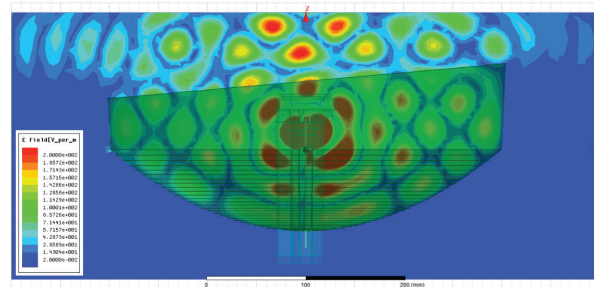
Both near-field plots are displayed in watts and use a linear scale. The strength of the electromagnetic field is color-coded:

- **Red:** Highest strength
- **Green:** Medium strength
- **Indigo:** Lowest strength

Without Integrated RF Isolator



With Integrated RF Isolator



Specifications

PBE-5AC-Gen2		
Dimensions	420 x 420 x 230 mm (16.54 x 16.54 x 9.06")	
Weight	2.22 kg (4.89 lbs)	
Power Supply	24V, 0.5A Gigabit PoE Adapter (Included)	
Max. Power Consumption	8.5W	
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)	
Supported Voltage Range	20 to 26VDC	
Gain	25 dBi	
Networking Interface	(1) 10/100/1000 Ethernet Port	
Processor Specs	MIPS 74Kc	
Memory	64 MB	
LEDs	Power, Ethernet, (4) Signal Strength	
Channel Sizes	PtP Mode	PtMP Mode
	10/20/30/40/50/60/80 MHz	10/20/30/40 MHz
Enclosure Characteristics	Antenna Feed	Dish Reflector
	Outdoor UV Stabilized Plastic	Powder-Coated SPCC
Mounting	Pole-Mounting Kit (Included)	
Wind Loading	380 N @ 200 km/h (85.4 lbf @ 125 mph)	
Wind Survivability	200 km/h (125 mph)	
ESD/EMP Protection	Air: ± 24 kV, Contact: ± 24 kV	
Operating Temperature	-40 to 70° C (-40 to 158° F)	
Operating Humidity	5 to 95% Noncondensing	
RoHS Compliance	Yes	
Salt Fog Test	IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5	
Vibration Test	IEC 68-2-6	
Temperature Shock Test	IEC 68-2-14	
UV Test	IEC 68-2-5 at 40° C (104° F), Equivalent: ETS 300 019-1-4	
Wind-Driven Rain Test	ETS 300 019-1-4, Equivalent: MIL-STD-810 G Method 506.5	
Certifications	CE, FCC, IC	

Operating Frequency (MHz)				
Worldwide	5150 - 5875			
USA	U-NII-1: 5150 - 5250	U-NII-2A: 5250 - 5350 MHz	U-NII-2C: 5470 - 5725 MHz	U-NII-3: 5725 - 5850

Management Radio (MHz)	
Worldwide	2412 - 2472
USA	2412 - 2462

PBE-5AC-Gen2 Output Power: 24 dBm							
TX Power Specifications				RX Power Specifications			
Modulation	Data Rate	Avg. TX	Tolerance	Modulation	Data Rate	Sensitivity	Tolerance
airMAX ac	1x BPSK (½)	24 dBm	± 2 dB	airMAX ac	1x BPSK (½)	-96 dBm Min.	± 2 dB
	2x QPSK (½)	24 dBm	± 2 dB		2x QPSK (½)	-95 dBm	± 2 dB
	2x QPSK (¾)	24 dBm	± 2 dB		2x QPSK (¾)	-92 dBm	± 2 dB
	4x 16QAM (½)	24 dBm	± 2 dB		4x 16QAM (½)	-90 dBm	± 2 dB
	4x 16QAM (¾)	24 dBm	± 2 dB		4x 16QAM (¾)	-86 dBm	± 2 dB
	6x 64QAM (⅔)	22 dBm	± 2 dB		6x 64QAM (⅔)	-83 dBm	± 2 dB
	6x 64QAM (¾)	21 dBm	± 2 dB		6x 64QAM (¾)	-77 dBm	± 2 dB
	6x 64QAM (¾)	21 dBm	± 2 dB		6x 64QAM (¾)	-74 dBm	± 2 dB
	8x 256QAM (¾)	20 dBm	± 2 dB		8x 256QAM (¾)	-69 dBm	± 2 dB
	8x 256QAM (¾)	20 dBm	± 2 dB		8x 256QAM (¾)	-65 dBm	± 2 dB

airMAX GigaBeam Long-Range 60/5 GHz Radio

GBE-LR

Dimensions	415 x 415 x 303 mm (16.34 x 16.34 x 11.93")
Weight Without Mount	1.4 kg (3.09 lb)
With Mount	1.8 kg (3.97 lb)
Enclosure	Aluminum, UV-stabilized Polycarbonate
Antenna Gain 5 Ghz	11 dBi
60 Ghz	38 dBi
Networking Interface	(1) 10/100/1000 Mbps Ethernet Port
Max. Power Consumption	11W
Power Method	Passive PoE, Pins 4, 5+ and 7, 8-
Power Supply	24VDC, 0.5A Gigabit PoE Adapter (Included)
Voltage Range	+22 to +26VDC
LEDs	Power/Ethernet/5G/60G
Wind Loading	56 N @ 200 km/h <(12.6 lbf @ 125 mph)
Wind Survivability	200 km/h (125 mph)
Mounting	Pole Mount (Included)
ESD/EMP Protection	± 24kV Contact/Air
Operating Temperature	-40 to 60° C (-40 to 140° F)
Operating Humidity	5 to 95% Noncondensing
Certifications	FCC, IC, CE





PPISM Station™ AC

Shielded airMAX® ac Radio Base
with airPrism® Technology

Model: PS-5AC

Proprietary Ubiquiti® airMAX ac Processor

airPrism Active RF Filtering Technology

Dedicated Wi-Fi Radio for Management

Hardware Overview

The PrismStation 5AC comes with a mounting bracket that allows for $\pm 20^\circ$ tilt adjustments of the horn's elevation. This pole-mounting method allows for easy adjustments depending on your deployment needs.

Modular Design

For versatility, the PrismStation 5AC is compatible with four different isolation horn antennas and one dish antenna (not included).

- All metal, shielded radio base
- Antenna interchangeability
- Single button release for ease of changing antennas



PrismStation 5AC with Horn-5-45 Mounted on Pole

Horn™ 5

Horn Antennas





Each horn antenna model is designed with a precise radiation angle for specific beam shaping.

These models are available in 30°, 45°, 60°, and 90° angle designs with different antenna gain specs to suit your application.

- Symmetrical horn antennas: unique beam performance and great co-location characteristics for a higher density of sectors than traditional sector technology
- Asymmetrical horn antennas: naturally attenuated side lobes and extremely low back radiation for cluster sector installations with high co-location requirements

Horn Antenna Model Comparison



	Horn-5-30	Horn-5-45	Horn-5-60	Horn-5-90	PS-5AC
Beamwidth	 30°	 45°	 60°	 90°	
Gain	19 dBi	15.5 dBi	16 dBi	13 dBi	

U OMT-Dish

Dish Antenna

Pair the PrismStation with a robust dish antenna, model U-OMT-Dish, to provide SISO or 2x2 MIMO, dual-polarity performance as a client in a PtMP link. This radio/antenna combination delivers bandwidth to an extended number of WISP customers.

- Dish reflector design for excellent beam directivity
- Industrial-strength hardware for outdoor use
- HPOL and VPOL Beamwidth: 6.5°
- Antenna gain: 27 dBi



Specifications

PS-5AC	
Dimensions Mounting Hardware Only	155 x 155 x 104 mm (5.16 x 5.16 x 4.09") 83 x 117 x 69 mm (3.27 x 4.61 x 2.72")
Weight Mounting Hardware Only	770 g (1.70 lb) 790 g (1.74 lb)
Networking Interface	(1) 10/100/1000 Ethernet Port
RF Connector	(1) GPS*
LED	Power
Max. Power Consumption	10W
Power Supply	24V, 1A Gigabit PoE Adapter (Included)
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)
Supported Voltage Range	20 to 26VDC
Processor Specs	MIPS 74 Kc
Memory	128 MB DDR2 SDRAM, 16 M NOR FLASH
Max. VSWR	2:1
Polarization	Dual-Linear
Wind Loading	31 N @ 200 km/h (7 lbf @ 125 mph)
Wind Survivability	200 km/h (125 mph)
Operating Temperature	-40 to 70° C (-40 to 158° F)
Operating Humidity	5 to 95% Noncondensing
Mounting	Pole-Mount (Kit Included)
ESD/EMP Protection	± 24 kV Contact/Air
Certifications	FCC, IC, CE

* GPS sync support available in airOS firmware v8.3.0 and newer.

Operating Frequency (MHz)				
Worldwide	5150 - 5875			
USA	U-NII-1: 5150 - 5250	U-NII-2A: 5250 - 5350 MHz	U-NII-2C: 5470 - 5725 MHz	U-NII-3: 5725 - 5850

Management Radio (MHz)	
Worldwide	2412 - 2472
USA	2412 - 2462

PS-5AC Output Power: 28 dBm							
TX Power Specifications				RX Power Specifications			
Modulation	Data Rate	Avg. TX	Tolerance	Modulation	Data Rate	Sensitivity	Tolerance
airMAX ac	1x BPSK (½)	28 dBm	± 2 dB	airMAX ac	1x BPSK (½)	-96 dBm	± 2 dB
	2x QPSK (½)	28 dBm	± 2 dB		2x QPSK (½)	-95 dBm	± 2 dB
	2x QPSK (¾)	28 dBm	± 2 dB		2x QPSK (¾)	-92 dBm	± 2 dB
	4x 16QAM (½)	28 dBm	± 2 dB		4x 16QAM (½)	-90 dBm	± 2 dB
	4x 16QAM (¾)	28 dBm	± 2 dB		4x 16QAM (¾)	-86 dBm	± 2 dB
	6x 64QAM (¾)	28 dBm	± 2 dB		6x 64QAM (¾)	-83 dBm	± 2 dB
	6x 64QAM (¾)	27 dBm	± 2 dB		6x 64QAM (¾)	-77 dBm	± 2 dB
	6x 64QAM (¾)	26 dBm	± 2 dB		6x 64QAM (¾)	-74 dBm	± 2 dB
	8x 256QAM (¾)	24 dBm	± 2 dB		8x 256QAM (¾)	-69 dBm	± 2 dB
	8x 256QAM (¾)	22 dBm	± 2 dB		8x 256QAM (¾)	-65 dBm	± 2 dB

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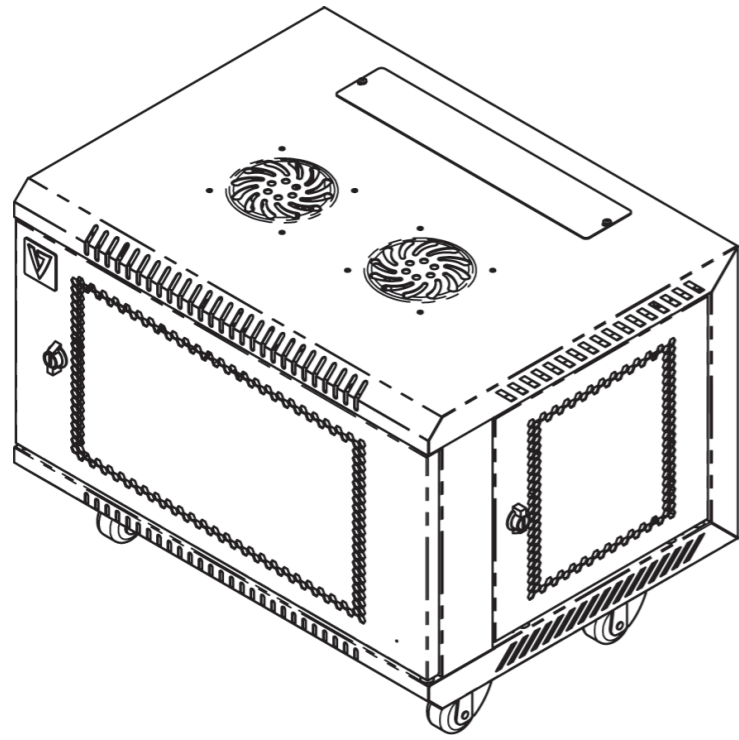
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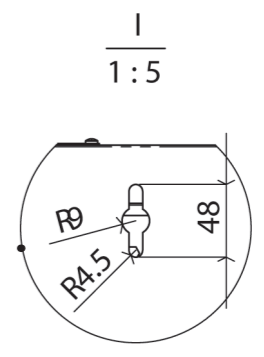
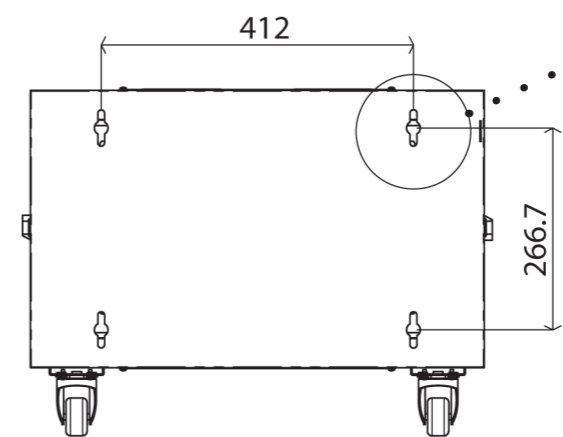
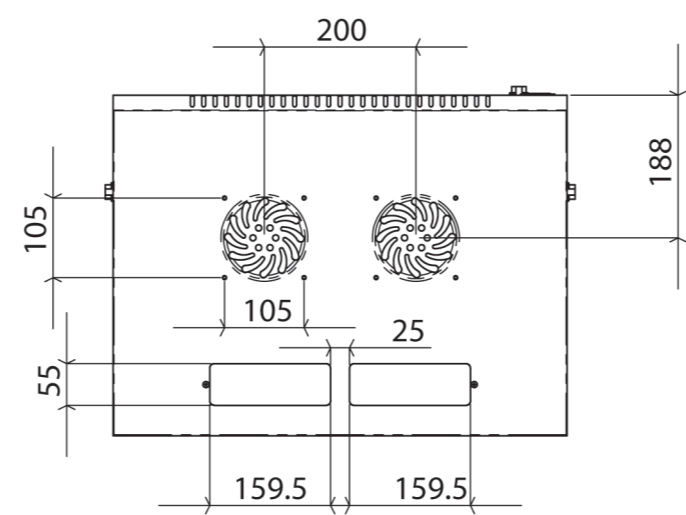
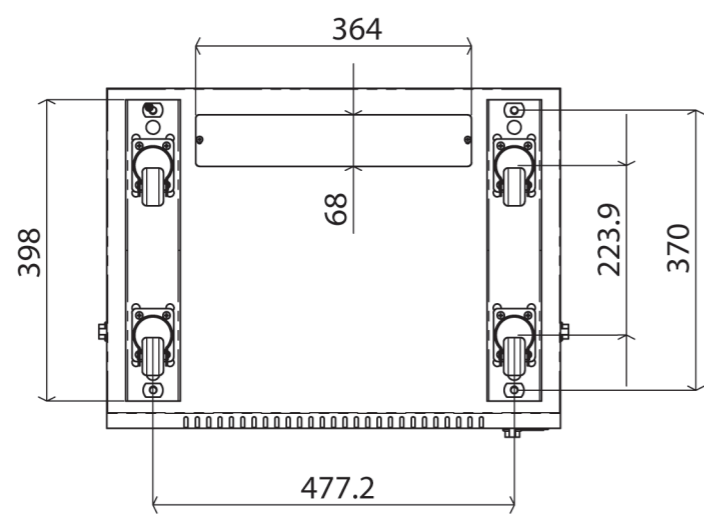
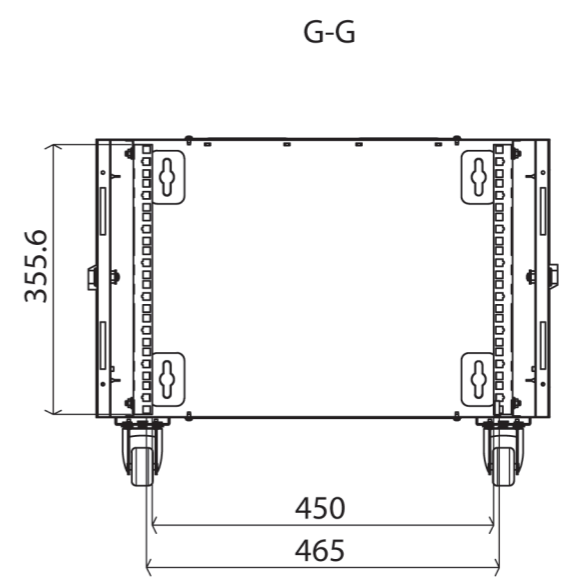
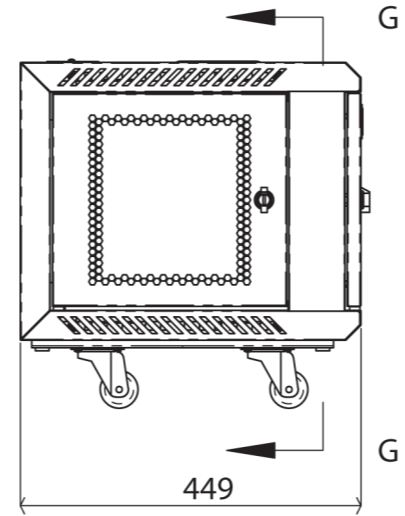
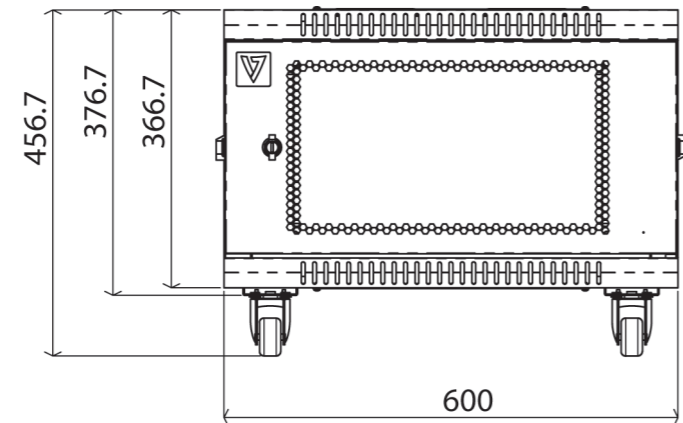
Equipment Cabinet

In-building hub



Rack Mount Wall Cabinet Enclosure 6U

RMWC6U-1N





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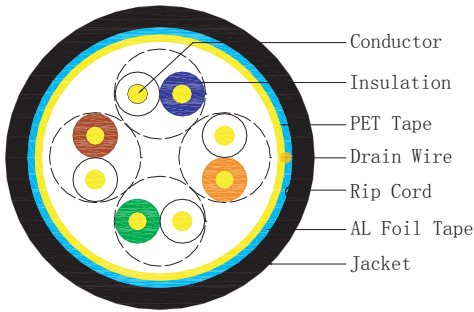
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Ethernet Cabling

Ruggedized cabling to connect rooftop
radios to in-building hub



Cross Section



Electrical Characteristics(20°C)

Standard: ANSI/TIA/EIA-568-B.2 & IEC/ISO 11801

Test Item	Units	Spec
1. Conductor D.C. Resistance	Ω/100m	≤9.5
2. Unbalance of Pair DC Resistance	%	≤2.5
3. Dielectric Strength between Pairs	kV/min	≤1.0
4. Insulation Resistance	MΩ-km	≥5000
5. Capacitance	nF/100m	≤5.6
6. Unbalance of Capacitance	pF/100m	≤330
7. Characteristic Impedance(1 to 100MHz)	Ω	100±15
(100 to 200MHz)	Ω	100±25
(200 to 350MHz)	Ω	100±35
8. Short or Open of the loop	—	None
9. Shield	—	Continue

Cable Description

1)Conductor	
Pairs	4
Total Conductor	8
AWG	24
Dia. of Conductor	Φ 0.50±0.01mm
Material	Solid Bare Copper
Elongation	≥15%
2)Insulation:	
Material	HDPE - Polyethylene
Nom. Thickness	0.24mm
Dia.	Φ 0.95±0.05mm
Elongation	≥300%
Color Cord	White/Blue & Blue
	White/Orange & Orange
	White/Green & Green
	White/Brown & Brown
3)Paired:	
Length of Lay	< 30 mm
4)Cabling:	
Order of the pair	See the Cross Section
Mylar Tape	0.03×18mm
5) Shielding:	
Vertical Wrap	Al-Mylar Tape 0.055×18mm
Coverage %	100%
AWG	24
Drain Wire	TC - Solid Tinned Copper
6)Sheath:	
Material	Outer: LDPE
Rip Cord	200D×3
Nom. Thickness	0.75±0.03mm
O.D.	Φ 6.50±0.3mm
Color	Black
7)Packing:	
	1000Ft Reel-in-a-Box
8)Temperature rating:	
	-40C to +85C
	UV Rated
	ASTM D1603 2.6%
	ASTM D3349 440 kAB/m

Frequency (MHz)	RL (dB)	SRL (dB)	ATTEN (dB/100m)	NEXT (dB/100m)
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1	20.00	28.00	2.03	65.30
4	23.01	28.00	4.03	56.27
8	24.52	28.00	5.73	51.75
10	25.00	28.00	6.43	50.30
16	25.00	28.00	8.19	47.24
20	25.00	25.00	9.20	45.78
25	24.32	27.03	10.33	44.33
31.25	23.64	26.06	11.62	42.88
62.5	21.54	23.05	16.79	38.36
100	20.11	21.01	21.65	35.30
155	18.80	19.10	27.20	32.50
200	18.00	18.00	32.40	30.80
250	17.30	17.00	21.65	29.30
300	16.80	16.20	41.00	28.10
350	16.30	15.60	44.90	27.10

Frequency (MHz)	PSNEXT (dB/100m)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)
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1	62.30	64.00	61.00	570
4	53.27	51.96	48.96	552
8	48.75	45.94	42.94	547
10	47.30	44.00	41.00	545
16	44.24	39.92	36.92	543
20	42.78	37.98	34.98	542
25	41.33	36.04	33.04	541
31.25	39.88	34.10	31.10	540
62.5	35.36	28.08	25.08	539
100	32.30	24.00	21.00	538
155	29.50	20.20	17.20	537
200	27.80	18.00	15.00	537
250	26.30	16.00	13.00	536
300	25.10	14.50	11.50	536
350	24.10	13.10	10.10	536



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Rooftop Radio Mounts

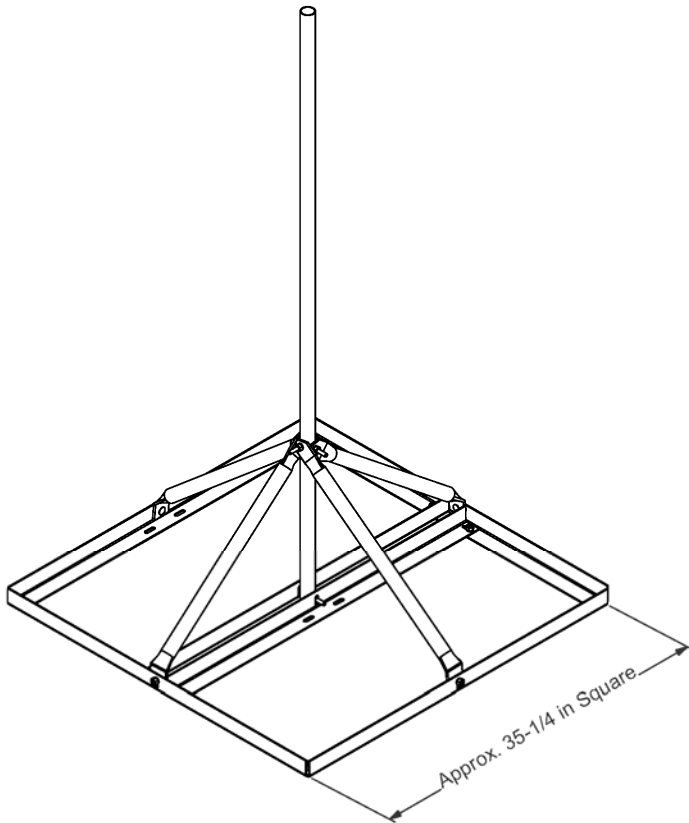
Equipment used to mount rooftop radios

Roof-Top Applications



Non-Penetrating Flat Roof Mounts

Material Included:	Pre galvanized mast, base and hardware	Design:	Designed for DSS support
Order Separately:	Rubber Mat	Mounts to:	n/a



Part #	Description	Weight (Lbs)
103489	FRM Non-Penetrating Roof Mount (1.25" O.D. Tubing, 60" Overall Mast Height)	31.0
103490	FRM Non-Penetrating Roof Mount (1.50" O.D. Tubing, 30" Overall Mast Height)	29.0
103491	FRM Non-Penetrating Roof Mount (1.66" O.D. Tubing, 30" Overall Mast Height)	30.0
103492	FRM Non-Penetrating Roof Mount (2.375" O.D. Tubing, 30" Overall Mast Height)	32.0
103493	FRM Non-Penetrating Roof Mount (2.375" O.D. Tubing, 60" Overall Mast Height)	37.0

Roof Applications

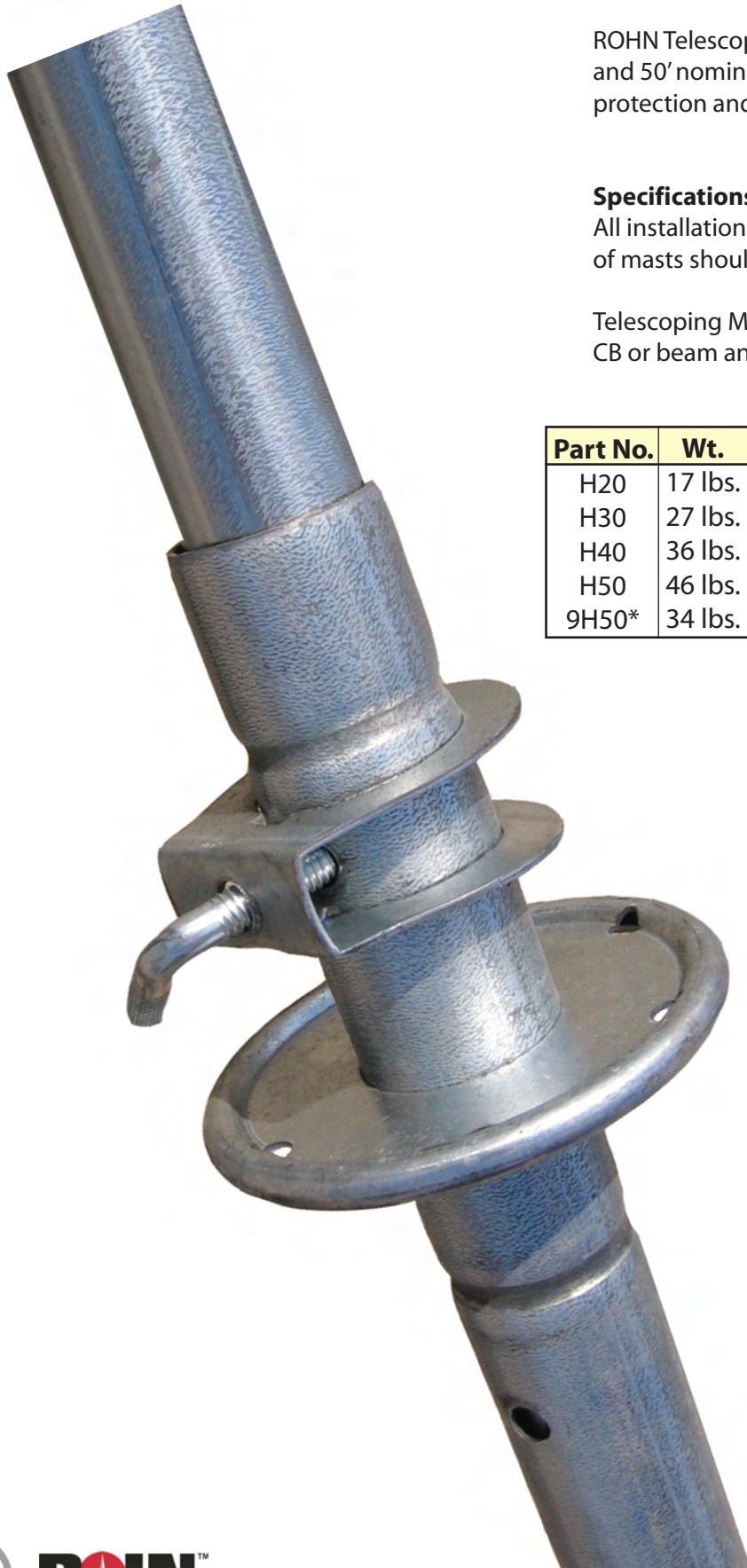


TELESCOPING MASTS





TELESCOPING MASTS FOR USE IN GUYED OR BRACKETED INSTALLATIONS



ROHN Telescoping Masts are available in 20', 30', 33', 40' and 50' nominal heights. All are pre-galvanized for corrosion protection and come assembled with hardware.

Specifications:

All installations must be guyed or bracketed. Installation of masts should be done by experienced professionals.

Telescoping Masts are not recommended for commercial, CB or beam antenna installations.

Part No.	Wt.	O.D. Bottom	O.D. Top	Shipping Length
H20	17 lbs.	1 1/2"	1 1/4"	123"
H30	27 lbs.	1 3/4"	1 1/4"	123"
H40	36 lbs.	2"	1 1/4"	123"
H50	46 lbs.	2 1/4"	1 1/4"	123"
9H50*	34 lbs.	2 1/4"	1 1/4"	99"

*9H50 is UPS shippable.

Note:

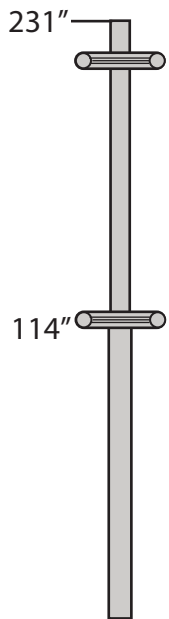
Guys, guy hardware, anchors and base mount must be ordered separately. Refer to pages 245-248 for standard kits and page 249 for individual components.



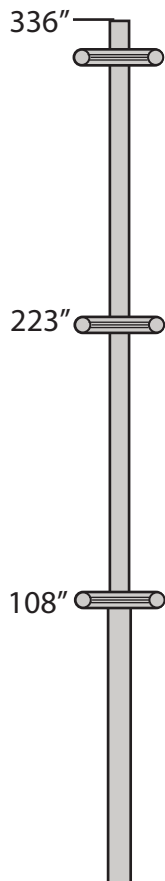
TELESCOPING MASTS
 H20 | H30 | H40 | H50 | 9H50

NEW PRODUCT
9H50
 UPS Shippable!

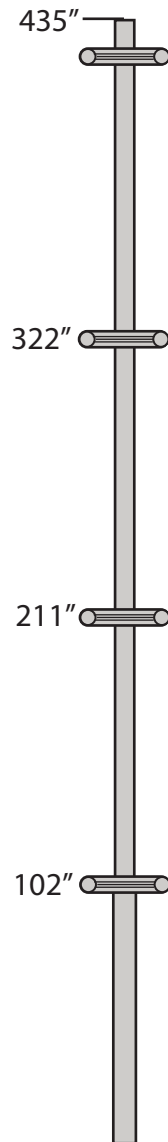
Top rings are adjustable based on antenna mounting.



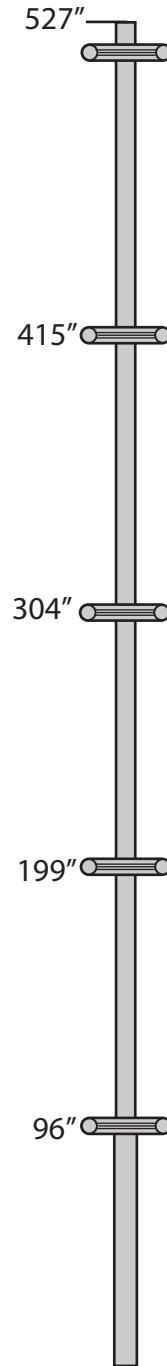
H20



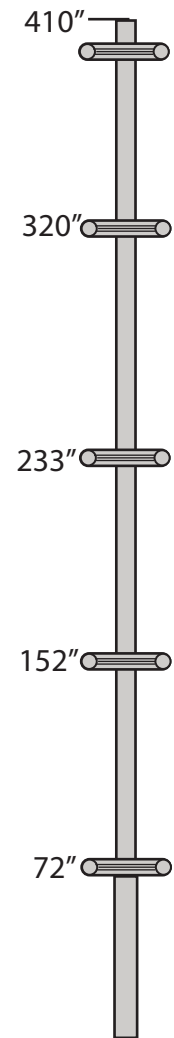
H30



H40



H50



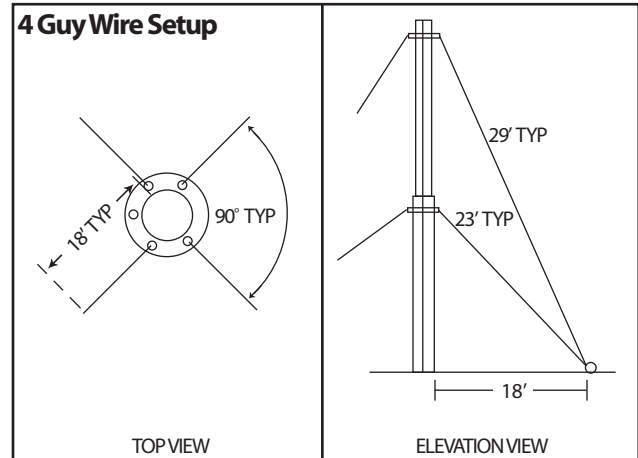
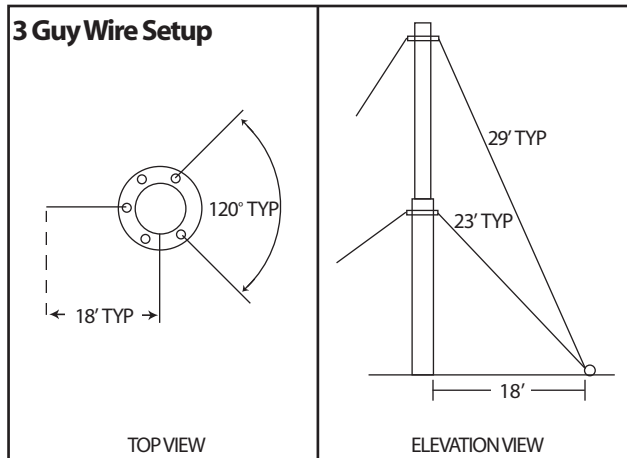
9H50



INSTALLATION GUIDELINES

All Telescoping Mast kits include guys, connection hardware, anchors and ground mount.
Mast must be ordered separately.

H20 GUY KIT



H203WAYGUY

H204WAYGUY

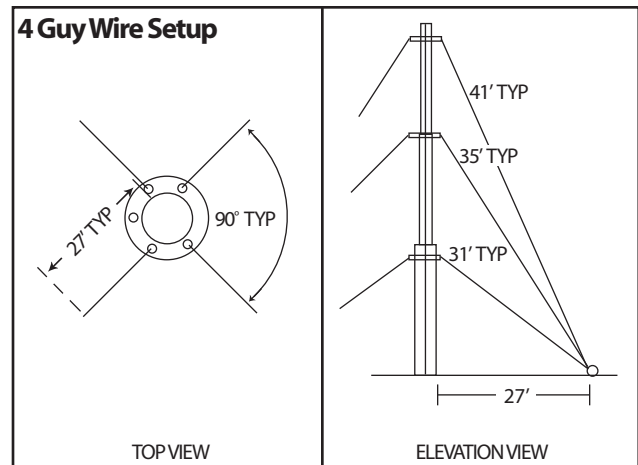
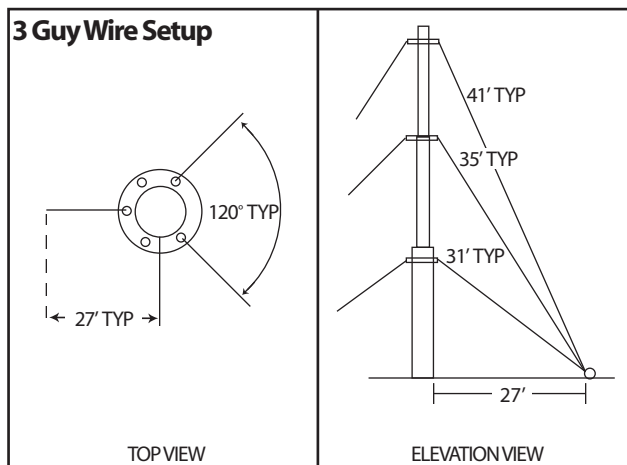
Actual Wire Required - 200'

Actual Wire Required - 250'

1	618	1000' - 6 Strand/18 GA Wire
3	GAS4303	1/2" x 30" Screw Anchor
12	61820GRPL	618/620 Gripple
1	GTMBL	Ground Mount

1	618	1000' - 6 Strand/18 GA Wire
4	GAS4303	1/2" x 30" Screw Anchor
16	61820GRPL	618/620 Gripple
1	GTMBL	Ground Mount

H30 GUY KIT



H303WAYGUY

H304WAYGUY

Actual Wire Required - 350'

Actual Wire Required - 450'

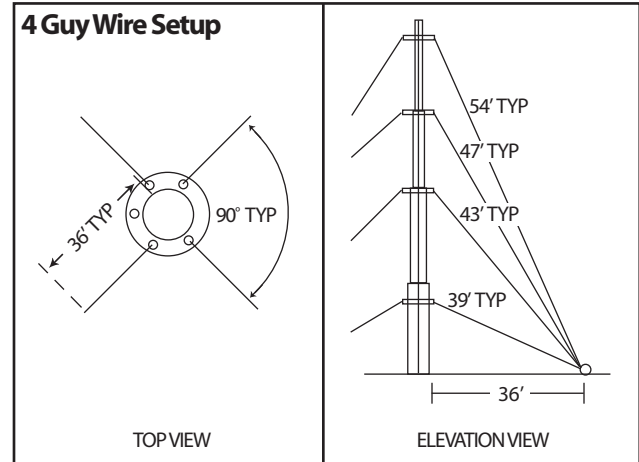
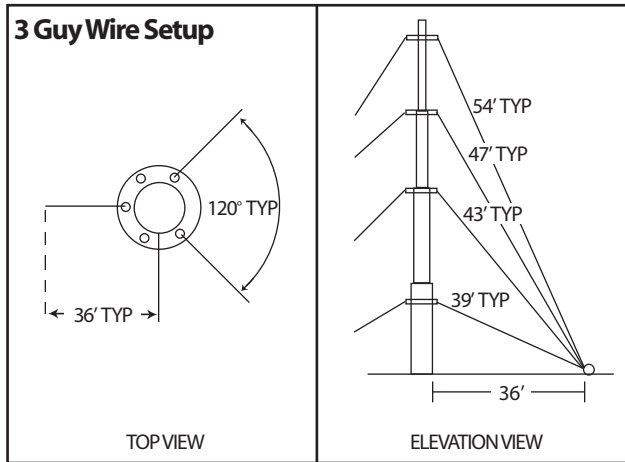
1	618	1000' - 6 Strand/18 GA Wire
3	GAS4303	1/2" x 30" Screw Anchor
18	61820GRPL	618/620 Gripple
1	GTMBL	Ground Mount

1	618	1000' - 6 Strand/18 GA Wire
4	GAS4303	1/2" x 30" Screw Anchor
24	61820GRPL	618/620 Gripple
1	GTMBL	Ground Mount

INSTALLATION GUIDELINES

All Telescoping Mast kits include guys, connection hardware, anchors and ground mount.
Mast must be ordered separately.

H40 GUY KIT



H403WAYGUY

Actual Wire Required - 550'

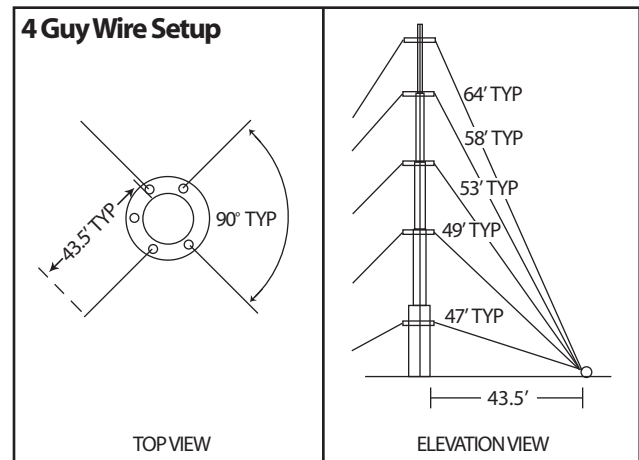
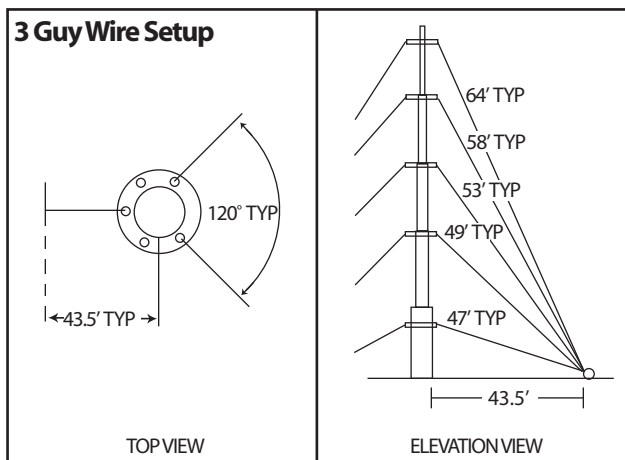
1	618	1000' - 6 Strand/18 GA Wire
3	GAS4303	1/2" x 30" Screw Anchor
24	61820GRPL	618/620 Gripple
1	GTMBL	Ground Mount

H404WAYGUY

Actual Wire Required - 750'

1	618	1000' - 6 Strand/18 GA Wire
4	GAS4303	1/2" x 30" Screw Anchor
32	61820GRPL	618/620 Gripple
1	GTMBL	Ground Mount

H50 GUY KIT



H503WAYGUY

Actual Wire Required - 850'

1	618	1000' - 6 Strand/18 GA Wire
3	GAS604	5/8" x 48" Screw Anchor
30	61820GRPL	618/620 Gripple
1	GTMBL	Ground Mount

H504WAYGUY

Actual Wire Required - 1100'

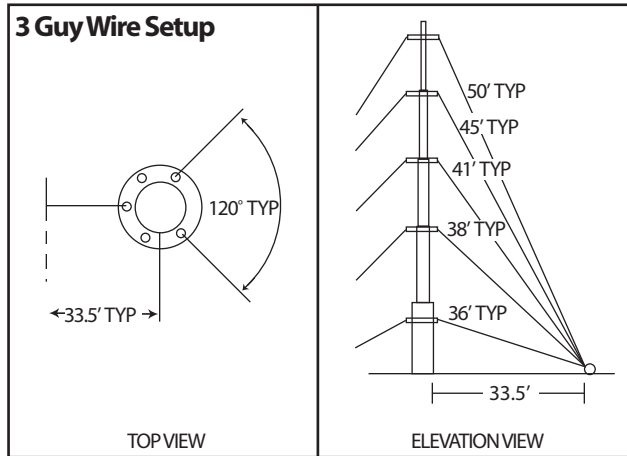
2	618	1000' - 6 Strand/18 GA Wire
4	GAS604	5/8" x 48" Screw Anchor
40	61820GRPL	618/620 Gripple
1	GTMBL	Ground Mount



INSTALLATION GUIDELINES

All Telescoping Mast kits include guys, connection hardware, anchors and ground mount. Mast must be ordered separately.

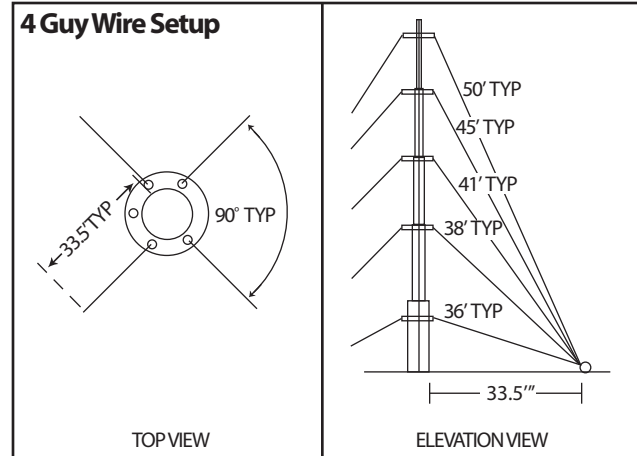
9H50 GUY KIT



9H503WAYGUY

Actual Wire Required - 650'

1	618	1000' - 6 Strand/18 GA Wire
3	GAS604	5/8" x 48" Screw Anchor
30	61820GRPL	618/620 Gripple
1	GTMBL	Ground Mount



9H504WAYGUY

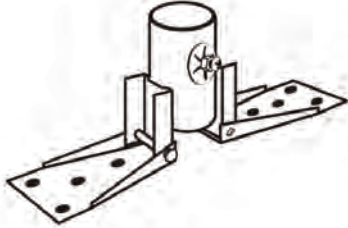
Actual Wire Required - 850'

1	618	1000' - 6 Strand/18 GA Wire
4	GAS604	5/8" x 48" Screw Anchor
40	61820GRPL	618/620 Gripple
1	GTMBL	Ground Mount

INSTALLATION GUIDELINES

1. Installation or dismantling of telescoping masts require professional contractors experienced with guyed masts.
2. All installations must be bracketed or guyed.
3. The pictured guy layouts are for a typical installation. Individual installation requirements may vary.
4. Antenna load (top load) should not exceed an effective projected area (EPA) of 2 square feet (see your antenna specifications).

PARTS & ACCESSORIES

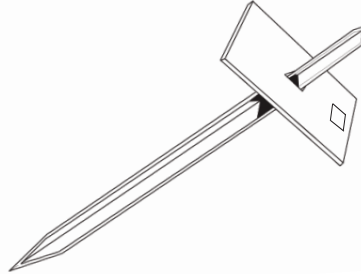


UNIVERSAL RIDGE MOUNT

Completely assembled for quick and easy flat or peaked roof installation. Allows tall masts to be swung up along the ridge of a roof.

Part No.	Description
UM20	Holds masts to 1 1/2" O.D.
UM30	Holds masts to 1 3/4" O.D.
UM40	Holds masts to 2" O.D.
UM50	Holds masts to 2 1/4" O.D.

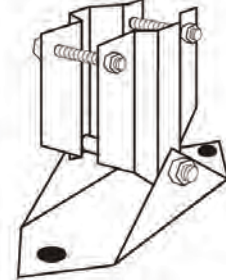
Roof mounting hardware not included.



GROUND MOUNT

Sturdy, galvanized, drive-in type mount for all ROHN telescoping masts, 1 1/4" tubing and 1 1/2" tubing.

Part No.	Description
GTMBL	Ground Mount



UNIVERSAL ROOF MOUNT

Features galvanized finish and heavy duty steel throughout. Completely assembled. Holds all ROHN telescoping masts, 1 1/4" tubing and 1 1/2" tubing.

Part No.	Description
ETMB	Universal Mount

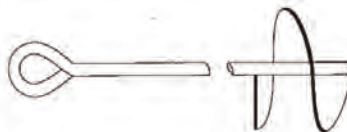
Roof mounting hardware not included.



GALVANIZED GUYS

Non-tangling interconnected coils. Packaged 1000' per box.

Part No.	Description
618	6 strand, 18 GA



SCREW ANCHORS

Hot-dip galvanized screw anchor.

Part No.	Description
GAS4303	1/2" dia. x 30" long with 4" auger
GAS604	5/8" dia. x 48" long with 6" auger



GUY CONNECTIONS

Use for easy installation of 6 strand, 18 GA guys.

Part No.	Description
61820GRPL	Gripple Grip

Not to be used to suspend or lift personnel.

Refer to page 251 for roof mounts. Refer to page 275 for wall mounts.