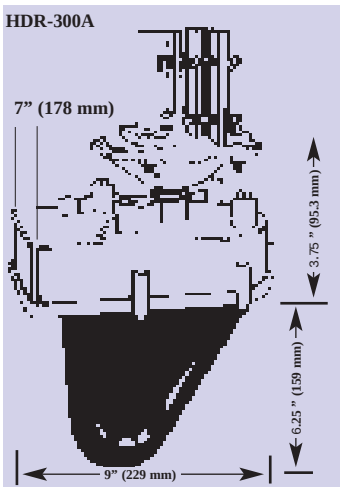
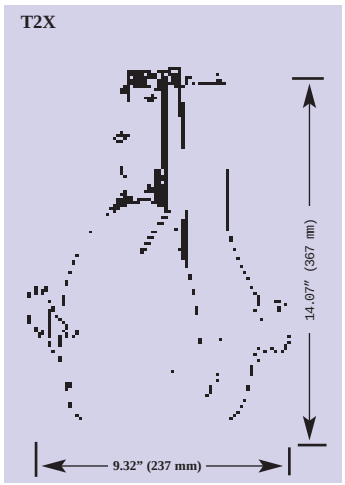
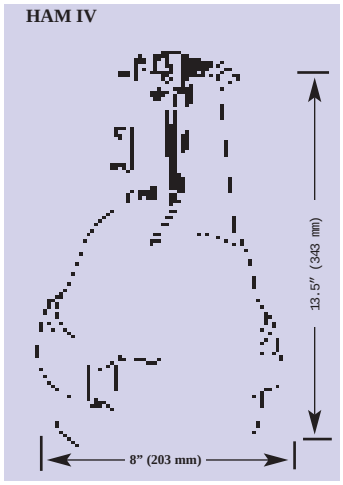
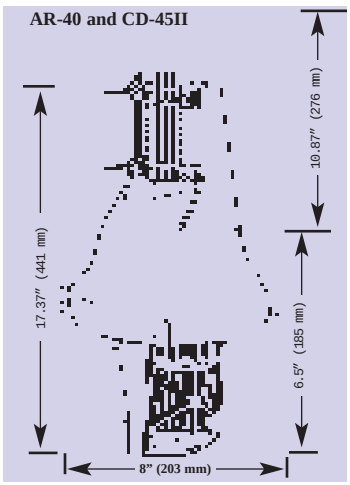
HY-GAIN[R] ROTATORS THE WORLD STANDARD









HY-GAIN[R] ROTATOR WARRANTY

Hy-Gain[R] **warrants that our rotators will be free from defects in material and workmanship for 12 months. Call our Rotator Customer Service number for any questions or warranty claims.**

HY-GAIN[R] ROTATOR CUSTOMER SERVICE

Hy-Gain[R] **rotators have the best customer service in the industry. Parts or service are just a phone call away. Ask about our flat-fee factory rebuild of *Hy-Gain*[R] rotators -- for one price you get your rotator completely refurbished including the replacement of any defective parts. It's one of the best deals in ham radio!**

HY-GAIN[R] ROTATOR CUSTOMER SERVICE 662-323-9538

ANTENNA ROTATOR SPECIFICATIONS

ORDER NO.	MODEL NO.	ANTENNA WIND LOAD AREA CAPACITY (MOUNTED INSIDE TOWER) sq. ft.	ANTENNA WIND LOAD AREA CAPACITY (MOUNTED INSIDE TOWER) m²	ANTENNA WIND LOAD AREA CAPACITY (WITH LOWER MAST ADAPTOR) sq. ft.	ANTENNA WIND LOAD AREA CAPACITY (WITH LOWER MAST ADAPTOR) m²	MOTOR TURNING POWER-STALL TORQUE in. lbs.	MOTOR TURNING POWER-STALL TORQUE N•m	BRAKE POWER AMOUNT OF TORQUE TO HOLD ANTENNA in. lbs.	BRAKE POWER AMOUNT OF TORQUE TO HOLD ANTENNA N•m	BRAKE CONSTRUCTION	BEARING ASSEMBLY	MOUNTING HARDWARE	CONTROL CABLE REQUIRED Conductors	SHIPPING WT. lbs.	SHIPPING WT. kg.	EFFECTIVE MOMENT (MOUNTED INSIDE TOWER) ft-lbs.	EFFECTIVE MOMENT (MOUNTED INSIDE TOWER) kg-m
300	HDR 300A	25	2.3			5000	8565	7500	850	Solenoid Operated Locking Brake	Bronze Sleeve w/Roller Bearings, Permanently Lubricated	Stainless Steel Rods	7	55	25	5000	691
303	T²X	20	1.9	10	–	1000	113	9000	1017	Electric Wedge	Triple Race 138 Ball Bearings	Clamp Plates; Stainless U-Bolts	8	28	12.7	3400	470
304-307	HAM IV/V	15	1.4	7.5	–	800	90	5000	565	Electric Wedge	Dual Race 96 Ball Bearings	Clamp Plates; Stainless U-Bolts	8	24	11	2800	387
302	CD 45II	8.5	.79	5.0	.46	600	68	800	90	Disc Brake	Dual Race 48 Ball Bearings	Plated Mast Clamps Stainless U-Bolts	8	22	10	1200	166
305	AR 40	3.0	.28	1.5	.14	350	40	450	51	Disc Brake	Dual Race 12 Ball Bearings	Plated Mast Clamps Stainless U-Bolts	5	14	6.4	300	41

Maximum wind area may only be used when boom length is 30' (9.1 m) or less. Use effective moment (EM) when boom lengths exceed 30' (9.1 m). Effective moment is defined as the product of an antenna's weight (or mass) and its turning radius.

HY-GAIN® VERTICALS HF MULTIBANDS

12AVQ
FOR 20, 15, AND 10 METERS

AV-12AVQ
$114.95
UPS Shippable

A completely self-supporting triband vertical antenna. It delivers exceptionally low angle radiation with 1.5:1 VSWR or less on all three bands. Includes all stainless steel hardware and SO-239 input connector.

Electrical Specs

Bands	10/15/20 Meters
Max Power	1500 Watts PEP
Input Connector	SO-239

Mechanical Specs

Height	13 ft
Weight	9 pounds
Wind Survival	80 MPH
Recommended Mast size	1.5 in. - 1.625 in. OD

18V
80 THROUGH 10 METERS CONTINUOUS. ALSO IDEAL FOR SHORTWAVE LISTENING.

AV-18VS
$74.95
UPS Shippable

This 18' (5.5 M) radiator has a loading coil at its base that allows precision antenna resonating. The 18V may be installed on a short 15/8 inch (42 mm) diameter mast driven into the ground.

Electrical Specs

Bands	80 through 10 Meters continuous
Max Power	1500 Watts PEP, manually tuneable
Input Connector	SO-239

Mechanical Specs

Height	18 ft
Weight	4 pounds
Wind Survival	80 MPH
Recommended Mast size	1.5 in. - 1.625 in. OD

14AVQ/WB
FOR 40 THROUGH 10 METERS

AV-14AVQ/WB
$159.95
UPS Shippable

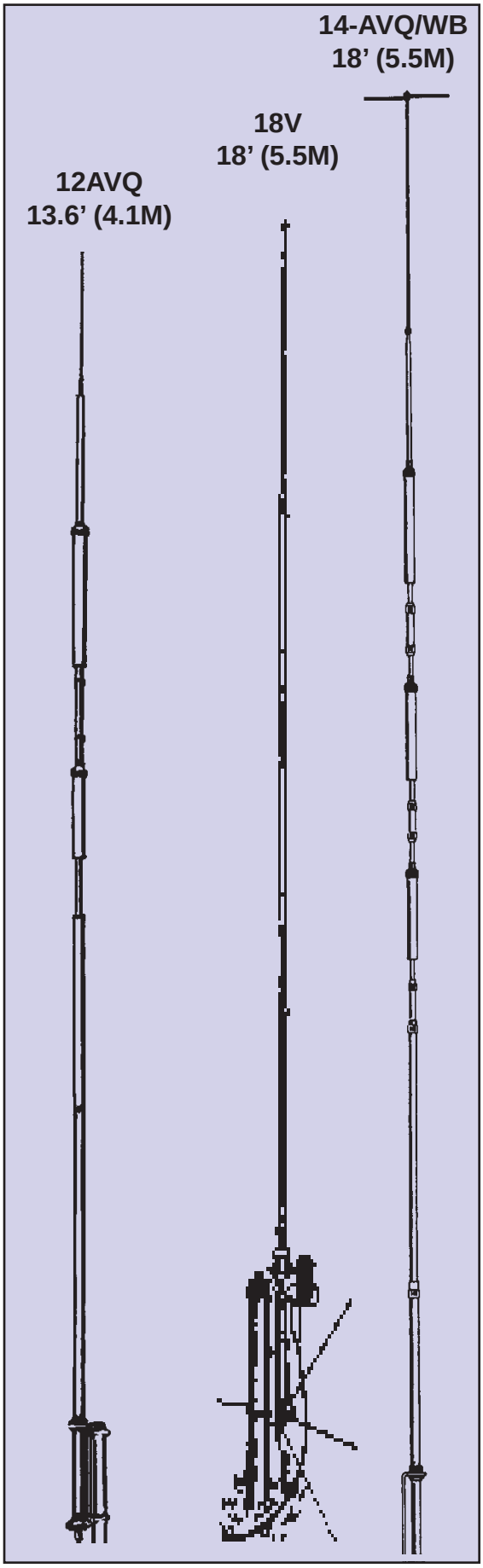
A self-supporting, automatic band switching vertical that delivers outstanding performance with exceptional L/C ratio and a very low angle radiation pattern. Includes all stainless steel hardware and SO-239 input connector.

Electrical Specs

Bands	10/15/20/40 Meters
Max Power	1500 Watts PEP
Input Connector	SO-239

Mechanical Specs

Height	18 ft
Weight	9 pounds
Wind Survival	80 MPH
Recommended Mast size	1.5 in. - 1.625 in. OD



18HT/HY-TOWER

FOR 80 through 10 METERS

The 18HT features automatic band selection achieved through a unique stub decoupling system which effectively isolates various sections of the antenna so that an electrical 1/4 wavelength (or odd multiple of a 1/4 wavelength) exists on all bands. Approximately 250 kHz bandwidth at 2:1 VSWR on 80 Meters. With the addition of a base loading coil (LC160Q), it also provides exceptional 160 Meter performance. Includes all stainless steel hardware, and tilt-over base.

Electrical Specs

Gain	Unity on 20, 40, & 80 Meters 2 dB on 10 & 15 Meters
Max Power	1500 Watts PEP
Bands	10/15/20/40/80 160 Meter add on kit for 18HT
	Options: LC160Q 160 Meter loading coil MK160A 160 Meter long wire

Mechanical Specs

Height	53 feet
Shipping Weight	114 pounds
Wind Survival	75 miles per hour
Tower Construction	Galvanized steel

14RMQ

ROOF MOUNTING KIT

The 14 RMQ roof mounting kit provides rugged support for Hy-GainR models 18V, 14AVQ, 14AVWB and 12 AVQ. Kit includes base plate, mast, radial/guy wires, and mounting hardware.

DX-77A

NO GROUND RADIALS REQUIRED

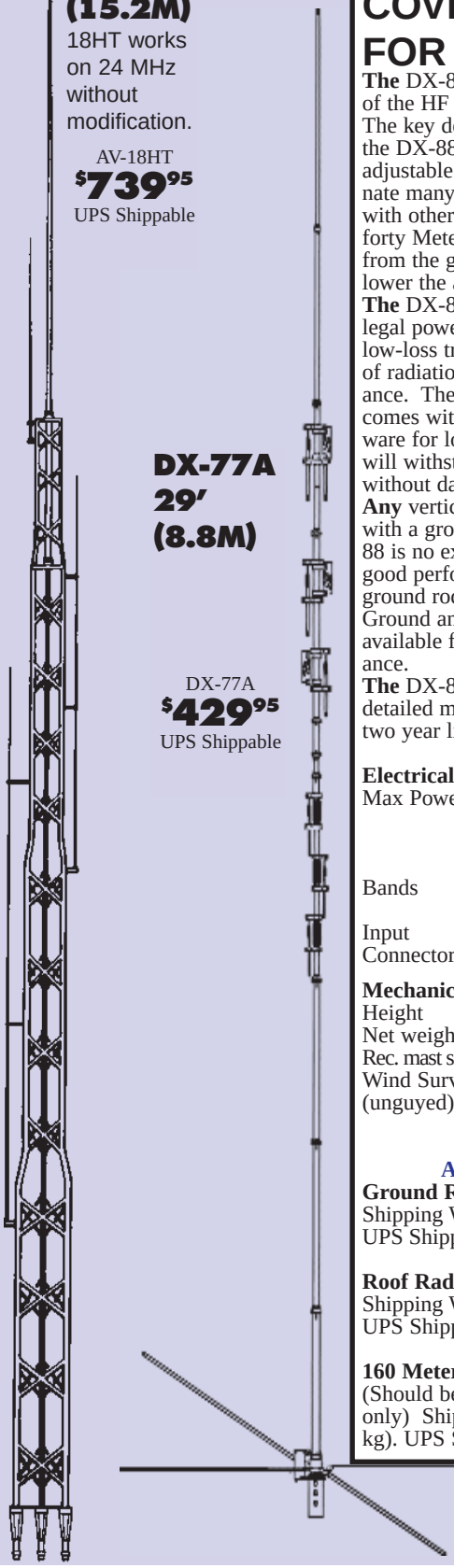
- Bands: 10, 12, 15, 17, 20, 30, 40 Meters
- Legal Power handling
- Height: 29 feet
- Innovative tilt base
- 55% greater bandwidth than competitive verticals

Electrical Specs

Bands	10 through 40 including WARC
Max Power	1500 Watts PEP; 750 Watts average
Gain	Unity (compared to halfwave vertical dipole)
Input Connector	SO-239

Mechanical Specs

Height	29 feet
Weight	25 pounds
Wind area	1.9 square feet
Wind survival	60 miles per hour (unguyed)
Recommended Mast size	1.75 in. - 2.125 in. OD



18HT
50′
(15.2M)

18HT works on 24 MHz without modification.

AV-18HT
$739.95
UPS Shippable

DX-77A
29′
(8.8M)

DX-77A
$429.95
UPS Shippable

DX-88

8-BAND COVERAGE FOR 80-10 Mtrs

The DX-88 offers coverage of all of the HF amateur bands.
The key design feature that makes the DX-88 this flexible is the adjustable capacitors that eliminate many of the tuning problems with other verticals. Eighty and forty Meters can even be tuned from the ground without having to lower the antenna.
The DX-88 handles maximum legal power on all bands, features low-loss traps and has a low angle of radiation for good DX performance. The self-supporting DX-88 comes with stainless steel hardware for long term reliability and will withstand 75 mph winds without damage.
Any vertical antenna works better with a ground system and the DX-88 is no exception. Surprisingly good performance using just a ground rod can be expected, but Ground and Roof Radial Kits are available for maximum performance.
The DX-88 is supplied with a detailed manual and comes with a two year limited warranty.

Electrical Specs

Max Power	30 M: 250 Watts avg 17 M: 500 Watts avg Other bands: 1500W PEP; 700 avg
Bands	10 through 80 including WARC
Input Connector	SO-239

Mechanical Specs

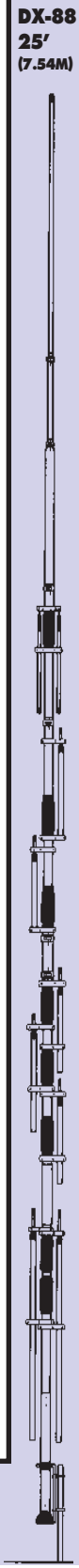
Height	25 feet
Net weight	18 pounds
Rec. mast size	1.5-1.625 in OD
Wind Survival (unguyed)	75 mph

OPTIONAL ACCESSORIES

Ground Radial System
Shipping Wt: 3.2 lbs. (1.4 kg)
UPS Shippable

Roof Radial System
Shipping Wt: 5.3 lbs. (2.2 kg)
UPS Shippable

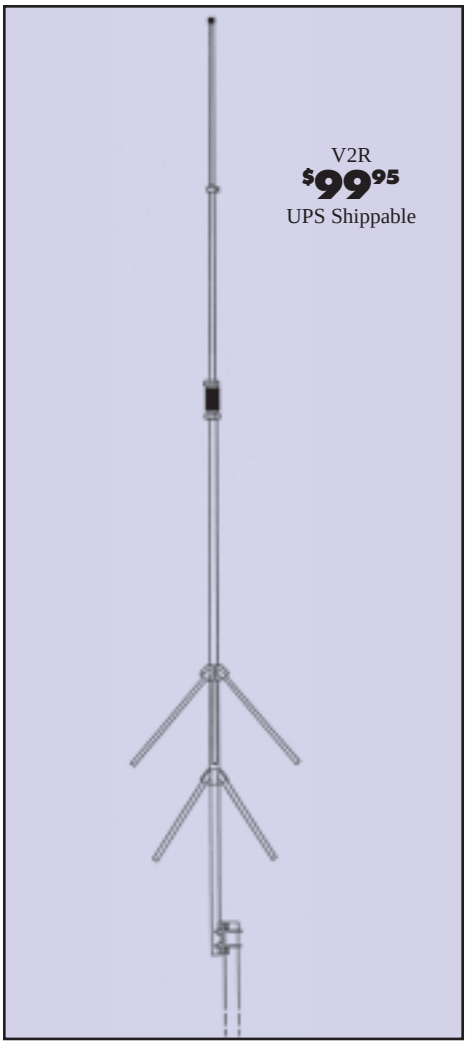
160 Meter Add-on Kit
(Should be used on ground mount only) Shipping Wt: 4.8 lbs. (2.1 kg). UPS Shippable



DX-88
25′
(7.54M)

DX-88
$349.95
UPS Shippable

HY-GAIN® VHF VERTICALS



V2R
$99.95
UPS Shippable

V2R

138-175 MHz

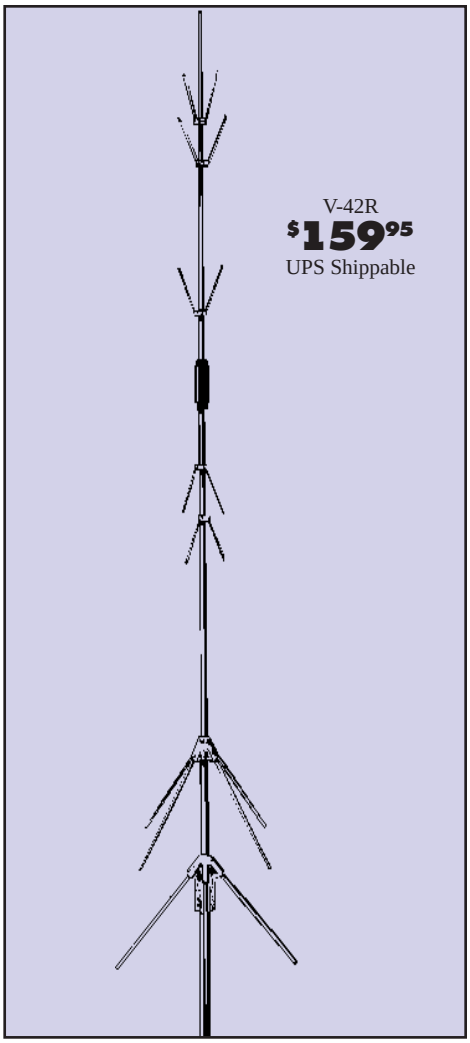
A 2-Meter vertical, 3 dBd gain derived from the famous extended double zepp antenna design. The radiating elements are two collinear 5/8 waves fed in phase. Two sets of 1/4 wave radials properly decouple the lower radiator from the mast. SO-239 connector

Electrical Specs

Frequency	138-175 MHz, tuneable
Gain	3 dBd
Power Input	500 Watts

Mechanical Specs

Height	9 ft
Weight	6 pounds
Max mast size	2 in OD
Max wind survival	105 mph



V-42R
$159.95
UPS Shippable

V42R

143-153 MHz
436-455 MHz

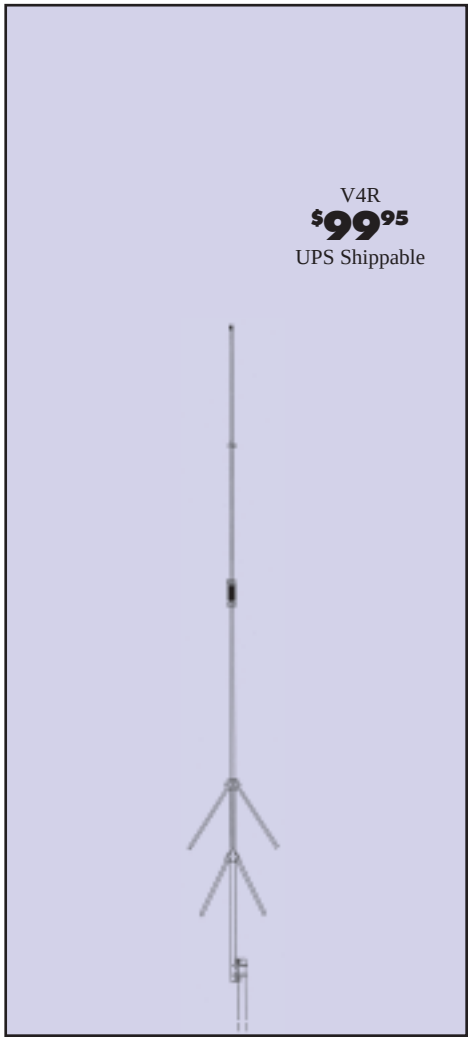
The *Hy-Gain*® V-42R is a collinear 5/8 wave omnidirectional vertical antenna for the 2 Meter and 70 cm bands. Independently tuneable at 144 MHz and 440 MHz, this dual band will "double" your fun! Fed through one coax cable, the V-42R features sets of 1/4 wave radials which properly decouple the 5/8 wave radiators from the mast. It also includes an enclosed coil that matches the antenna to a nominal 50 Ohms on each band. This durable antenna is designed for personal use, repeater, and packet BBS service. Type "N" connector.

Electrical Specs

Gain	5 dBd (UHF) 3 dBd (VHF)
Antenna/Mast Isolation	20 dB
Power Input	200 Watts continuous
Frequencies	143-153 & 436-455 MHz tuneable

Mechanical Specs

Height	9 ft
Weight	6 pounds
Max mast size	2 in OD
Max wind survival	100 mph



V4R
$99.95
UPS Shippable

V4R

400-475 MHz

A 70 cm vertical, 3 dBd gain derived from the famous extended double zepp antenna design. The radiating elements are two collinear 5/8 waves fed in phase. Two sets of 1/4 wave radials properly decouple the lower radiator from the mast. With type "N" connector.

Electrical Specs

Frequency	400-470 MHz, tuneable
Gain	3 dBd
Antenna/Mast Isolation	20 dB
Power Input	500 Watts continuous

Mechanical Specs

Height	4 ft
Weight	4 pounds
Max mast size	2 in OD
Max wind survival	230 mph

HY-GAIN[R] VHF *VERTICALS*

V3R

216-225 MHz

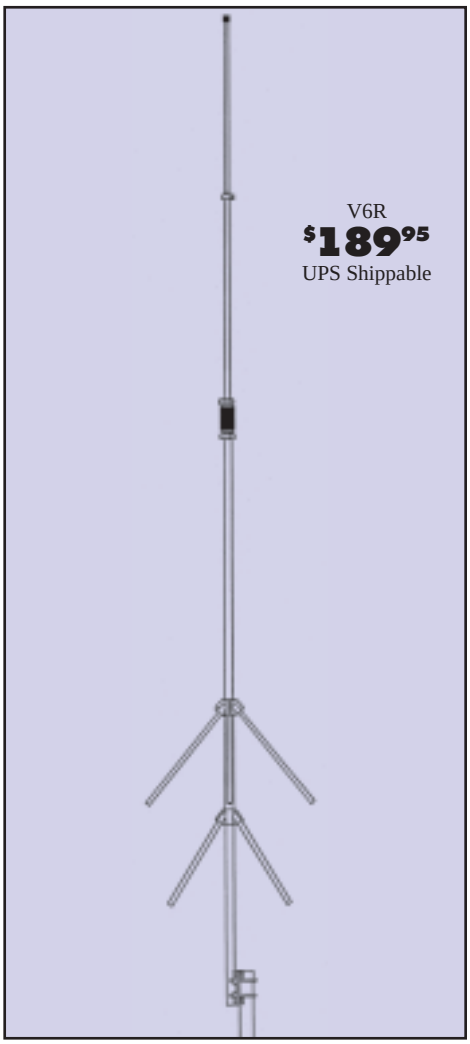
A 1¼-Meter vertical, 3 dBd gain derived from the famous extended double zepp antenna design. The radiating elements are two collinear 5/8 waves fed in phase. Two sets of 1/4 wave radials properly decouple the lower radiator from the mast. SO-239 connector

Electrical Specs

Frequency	216-225 MHz
Gain	3 dBd
Power Input	500 Watts
Antenna/mast isolation	20 dB

Mechanical Specs

Height	6 ft., 9 inches
Weight	5 pounds
Max mast size	2 in OD
Max wind survival	100 mph



V6R

51-54 MHz

The new *Hy-Gain*[R] V-6R antenna design is based on 2 collinear 5/8 wave radiators and covers 51 to 54 MHz. The V-6R also features a 500 Watt enclosed coil and two sets of 1/4 wave radials which provide complete mast decoupling and optimum pattern and gain. The rugged design will withstand severe weather with wind speeds up to 80 MPH. The V-6R also features a DC ground for lightning protection.

Electrical Specs

Power	500 Watts (maximum)
Gain	3 dBd
Frequency range	51-54 MHz
Bandwidth	Typically 3 MHz at 2:1 SWR
VSWR	Less than 1.5:1 at resonance, nominal 50 Ohms
Beamwidth	Vertical beamwidth typically 35 degrees at half-power points and sidelobes down at least 10 dB
Termination	UHF female connector recessed within lower tubing assembly

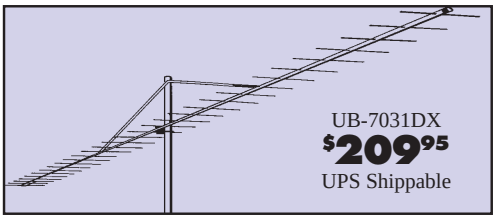
Mechanical Specs

Rated wind velocity	80 MPH
Wind area	2.2 sq. ft. (0.20 sq. mi.)
Antenna length	25 ft. 3 inches (7.7 m)
Weight	15 lbs. (6.8 kg)
Construction	Radiating elements are 6063 T832 aluminum tubing, coil form is glass reinforced Noryl™
Mounting	Heavy-duty 1.5-2.25 inch mast clamps

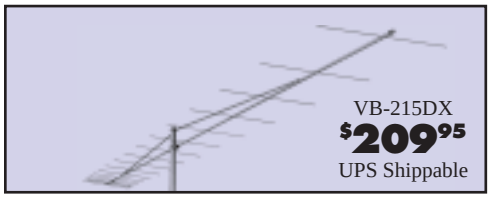
VHF/UHF BEAMS *DX SERIES*

The *Hy-Gain*® DX-Series VHF/UHF beams are based on the DL6WU element length and spacing and were further refined on *Hy-Gain*®*s* antenna test range and by computer modeling. Both beams feature encapsulated weather proof feedpoints with type N connectors for excellent VSWR and power handling. High quality mechanical construction is assured by heavy wall booms and boom supports made of 6063-T832 aluminum tubing, stainless steel hardware, UV stabilized thick-shoulder element insulators and PTFE coaxial baluns.

	7031DX	215DX
Mechanical		
Number of Elements	*31*	*15*
Boom Length	*24.06 ft. (7.33 m)*	*27.88 ft. (8.5 m)*
Wind Area	*1.9 sq. ft. (0.18 sq. m)*	*2.75 sq. ft. (.256 sq. m)*
Weight (net)	*9.25 lbs. (4.2 kg)*	*13.56 lbs. (6.15 kg)*
Electrical		
Gain	*17.6 dBd at 432.1 MHz*	*14.2 dBd at 144.2 MHz*
		13.9 dBd at 146.0 MHz
Front/Back	*28 dB*	*30 dB*
Maximum Power	*1 kW avg, 2 kW PEP*	*1 kW avg, 2 kW PEP*
Freq. Range (useable)	*420-438 MHz*	*144.0-146.0 MHz*
Connector	*Type N - female*	*Type N - female*



UB-7031DX
$209.95
UPS Shippable



VB-215DX
$209.95
UPS Shippable

7031DX
420-438 MHz

Shipping Wt: 12 lbs.
(5.4 kg)
UPS Shippable

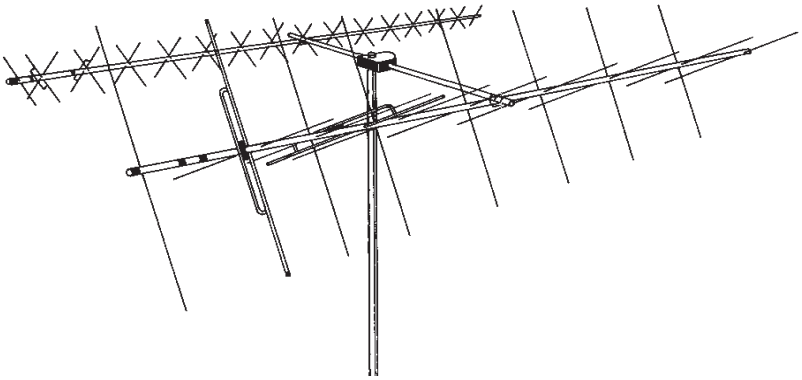
215DX
144-146 MHz

Shipping Wt: 14 lbs.
(6.4 kg)
UPS Shippable

OSCAR LINK *435 MHz • 145.9 MHz*

The OSCAR antennas are available as a complete system or as separate modules, each complete with the necessary phasing lines, relays and hardware. The complete system is carefully matched and balanced for superior performance.
The flexible design with switchable up/down link antennas is suitable for worldwide applications. It includes left and right circularity switching to reduce fading (less than 3 dB eliptici-ty). Each antenna has high efficiency Delta matched or "T" matched driven elements. True RF switching relays are rated at 200 Watts and improved VSWR for higher efficiency. Feed points are encapsulated and weather protected for long life.
The crossboom, made of fiberglass, maintains the integrity of the circularity pattern and eliminates the interaction problems often found with metal booms. **The** MIL-spec coax balun comes with a *Teflon*® dielectric and outer covering. Silver plat-ed braid shield and center conductor assure durability and min-imum attenuation.
The 70 cm antenna is based on 4.2 wavelength NBS design (NBS Tech Note 688). The 2 Meter antenna has logarithmic element spacing for high attenuation of side lobes.
For years of maintenance free operation, the elements come with positive locking rings of stainless steel and UV stabilized thick shouldered insulators to minimize frequency shifts during rain.
Mechanically the entire system or the separate antennas are well balanced, require only a small turning radius, and exert minimal stress on the eleva-tion rotators.

UB-7030SAT
$219.95
UPS Shippable



OSCAR LINK
COMPLETE ANTENNA SYSTEM

Shipping WT: 17 lbs.
(7.7 kg)
UPS Shippable

	216SAT	7030SAT
Mechanical		
Number of Elements	*16*	*30*
Boom Length	*168.75" (429 mm)*	*134" (340 mm)*
Wind Surface Area	*1.1 sq. ft. (.102 m2)*	*.7 sq. ft. (.065 m2)*
Weight (net)	*7 lbs. (3.2 kg)*	*4 lbs. (1.8 kg)*
Electrical		
Center Frequency	*145.9 MHz*	*435 MHz*
Band Width	*144-148 MHz*	*432-438 MHz*
Gain	*11.5 dBd*	*14 dBd*
Front-to-Back Ratio	*25 dB*	*25 dB*
Power Rating	*200 Watts PEP*	*200 Watts PEP*
Polarity Switchable	*Supplied*	*Supplied*
Connector	*UHF, SO-239*	*"N"*

OSCAR
Antennas may also be ordered separately.

HEAVY-WALLED FIBERGLASS CROSSBOOM

O.D. 1-3/8" (35 mm)
Length 60" (1.52 m)
Shipping Wt: 5 lbs. (2.0 kg)
UPS Shippable

7030SAT
70cm 435 MHz Antenna
Shipping Wt: 6 lbs. (2.7 kg)
UPS Shippable

VB-216SAT
$219.95
UPS Shippable

216SAT
2 Meter 145.9 MHz Antenna
Shipping Wt: 8 lbs. (3.6 kg)
UPS Shippable

HY-GAIN® VHF Beams & Ground planes

64DX, 66DX

FOR 6 METERS

The 64DX and 66DX feature a concept in beam construction that provides actual delivered performance equalling maximum theoretical gain. The 4-element 64DX generates an impressive 8.2 dBd gain and the 6-element 66DX increases the gain to an unprecedented 10.3 dBd.

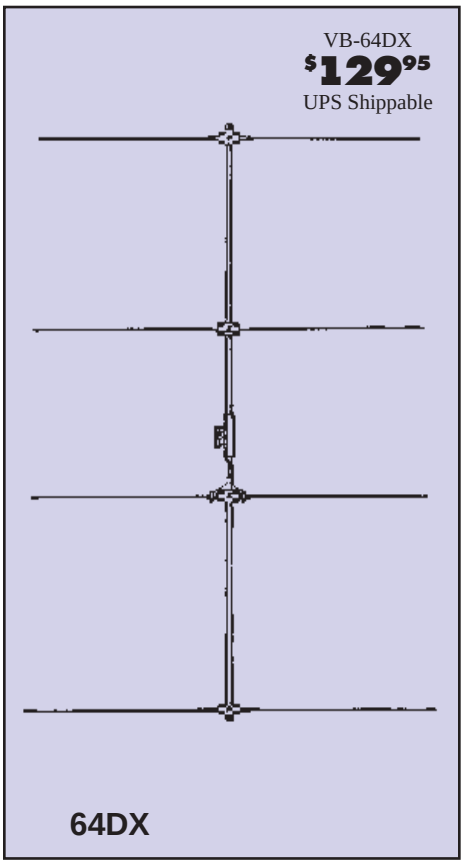
GPG-2B

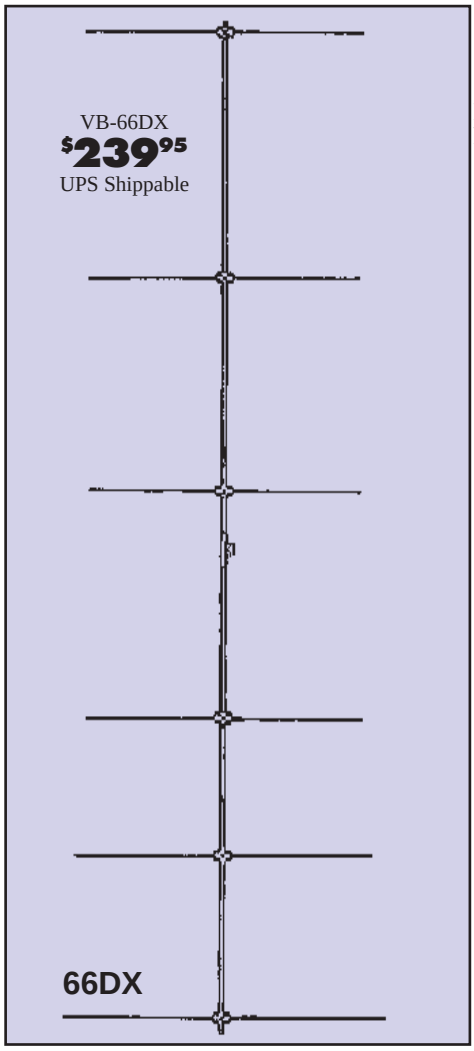
5/8 WAVELENGTH GROUND PLANES for 2 METERS

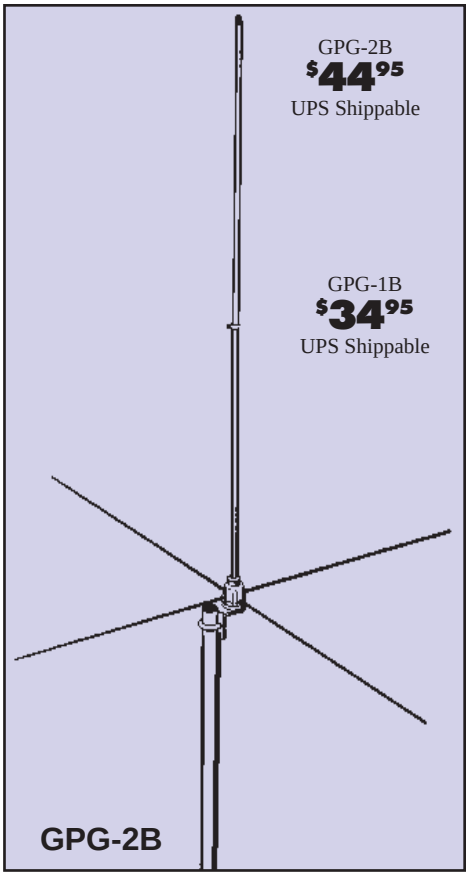
This omnidirectional gain antenna for 2 Meters is tunable from 142 to 168 MHz. Delivers an omnidirectional gain of 1.2 dBd.

GPG-1B

GPG-1B is a 1/4 Wavelength ground plane similar to the GPG-2B. It has unity gain, 2 feet height and is tunable from 162-174 MHz.







Electrical Specs	
Gain	8.2 dBd
F/B (Max)	25 dB
Max Power	500 Watts avg.
Frequency	50-54 MHz
Mechanical Specs	
Boom length	12 ft.
Longest element	9 ft. 11 inches
Turning radius	8 ft.
Accepts mast diameter	1.625 in - 2.0 in.
Boom diameter	1.25 in. OD
Net weight	10 pounds
Wind surface	1.1 sq. ft.

Electrical Specs	
Gain	10.3 dBd
F/B (Max)	25 dB
Max Power	1500 Watts PEP
Frequency	50-54 MHz
Mechanical Specs	
Boom length	24 ft., 5.75 in.
Longest element	9 ft. 9 inches
Turning radius	12 ft., 6 inches
Accepts mast diameter	1.9 in - 2.5 in. OD
Boom diameter	2 in. OD
Net weight	17 pounds
Wind surface	1.8 sq. ft.

Electrical Specs	
Gain	1.2 dBd
Max Power	100 Watts
Frequency	142-168 MHz
Mechanical Specs	
Height	4 ft.
Max mast accepted	1.625 in. OD
Wind area	.30 sq. ft.

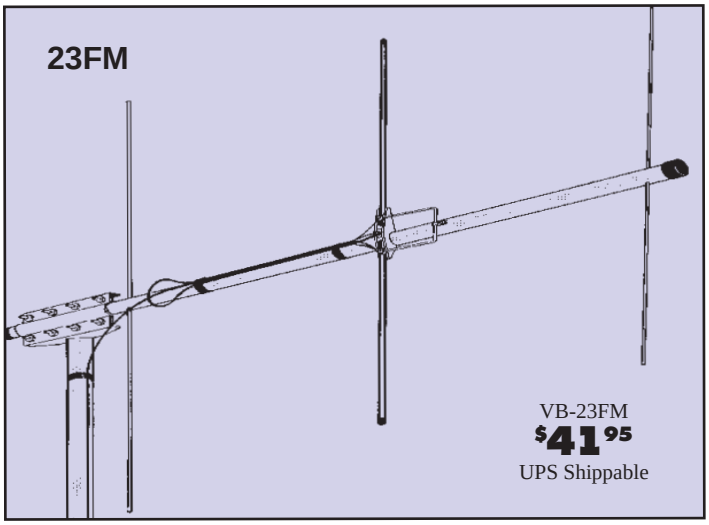
HY-GAIN® VHF Beam Antennas

23FM, 25FM, 28FM, 214FM

FOR 2 METERS

These antennas include Hy-Gain®'s exclusive *BetaMATCH*™ to provide exceptional F/B ratio and maximum obtainable gains. The 23FM (6.1 dBd gain), 25FM (9dBd gain), 28FM (11.8 dBd gain) and the 214FM (13 dBd gain) gives you a wide choice of 2 Meter beam performance from which to choose. Accepts up to 2 inch mast.

23FM (3 element) shipping weight: 3 lbs. (1.4 kg)
25FM (5 element) shipping weight: 5 lbs. (2.2 kg)
28FM (8 element) shipping weight: 6 lbs. (2.7 kg)
214FM (14 element) shipping weight: 7.5 lbs. (3.4 kg)
All UPS Shippable.

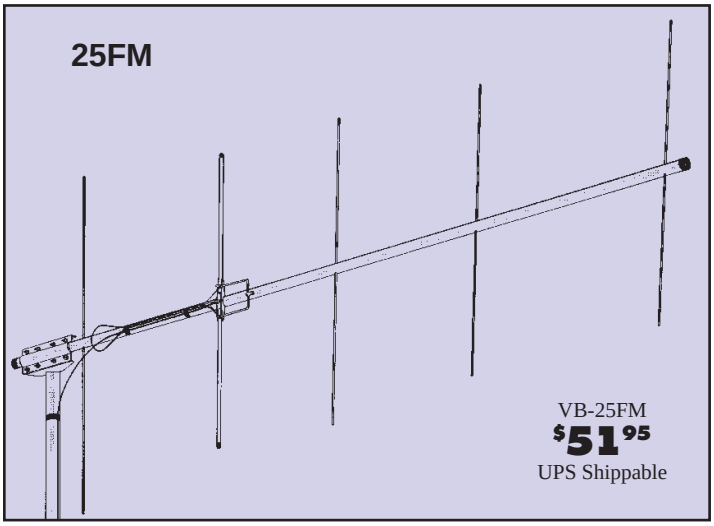


Electrical Specs

Gain	6.1 dBd
F/B (Max)	20 dB
Max Power	500 Watts PEP

Mechanical Specs

Boom length	43.5 inches
Longest element	40.25 inches
Net weight	2 pounds
Turning radius	43.5 inches
Mast diameter	1.625 in - 2.0 in. OD

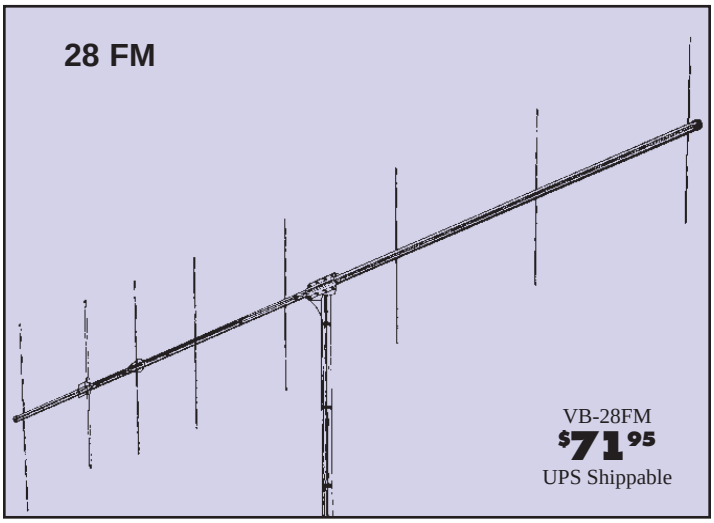


Electrical Specs

Gain	9 dBd
F/B (Max)	20 dB
Max Power	500 Watts PEP

Mechanical Specs

Boom length	75 inches
Longest element	39.625 inches
Net weight	3 pounds
Mast diameter	1.625 in - 2.0 in. OD

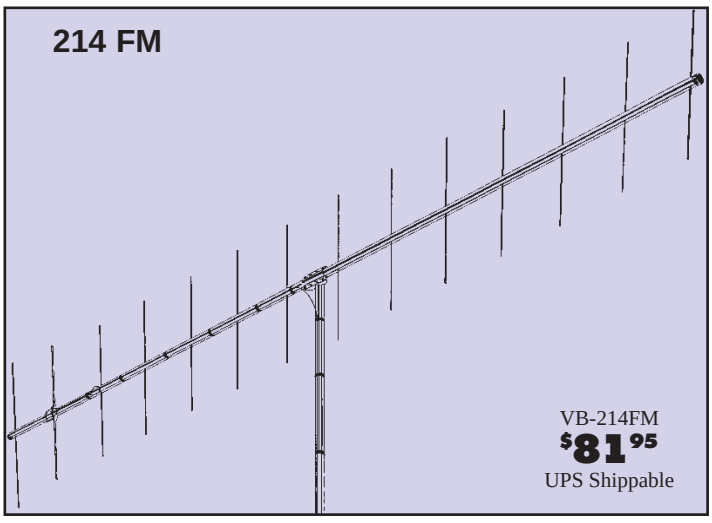


Electrical Specs

Gain	11.8 dBd
F/B (Max)	20 dB
Max Power	500 Watts PEP

Mechanical Specs

Boom length	148.75 inches
Longest element	40.25 inches
Net weight	4 pounds
Turning radius	75 1/8 inches
Mast diameter	1.625 in - 2.0 in. OD



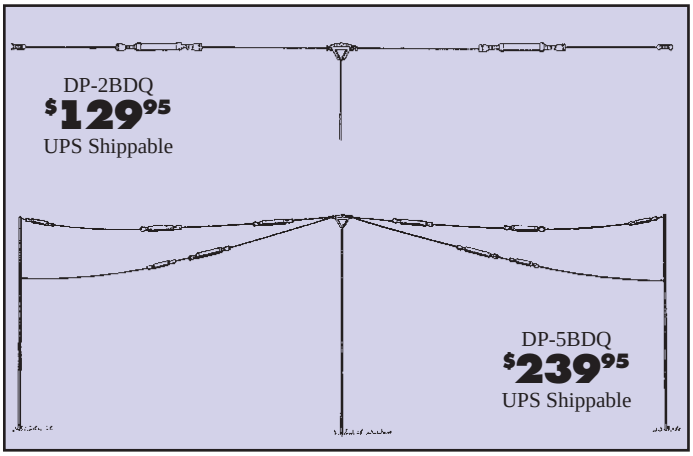
Electrical Specs

Gain	13.0 dBd
F/B (Max)	20 dB
Max Power	500 Watts PEP

Mechanical Specs

Boom length	15 feet, 6 inches
Longest element	39.5 inches
Net weight	6 pounds
Turning radius	95 inches
Mast diameter	1.625 in - 2.0 in. OD

HY-GAIN® HF Doublets



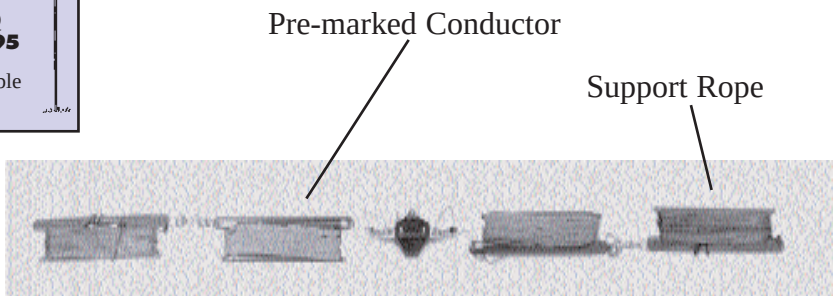
DP-2BDQ
$129.95
UPS Shippable

DP-5BDQ
$239.95
UPS Shippable

2BDQ and 5BDQ

Multiband *Hy-Q*™ trap doublets (2BDQ for 80 and 40 Meters). Maximum length of dipole, 101 feet (30.5 m). (5BDQ for 80 through 10 Meters). Maximum length of dipole, 94 feet (28.7 m). The *Hy-Gain*® 2BDQs are *Hy-Q*™ trap doublets designed for horizontal or inverted "V" rated at legal power. Both feature individually pretuned matched traps for each band. 50 Ohm feed. Coaxial cable not included.
2BDQ - Shipping Weight: 7.5 lbs. (3.4 kg)
5BDQ - Shipping Weight: 12.2 lbs. (5.5 kg)

19PD ADJUSTABLE HF DIPOLE



DP-19PD
$269.95
UPS Shippable

The 19PD is a light-weight, adjustable dipole antenna that operates anywhere in the 2-30 MHz frequency range, including all HF amateur bands 80 through 10 Meters. Perfect for Field Day, emergency communications or anytime you need to put a dipole up in a hurry, the 19PD uses braided nylon wire rope; the conductors are woven into the rope. Uncoil the conductor using the pre-marked frequencies for easy installation. One-hundred feet of support rope is provided on another bobbin on each end of the antenna as well as an SO-239 UHF connector on the center insulator. Shipping Weight: 4.5 lbs.

HY-GAIN® AMATEUR Accessories

All are UPS Shippable

EI
$xxx.95
UPS Shippable

EI

End insulators for multiband doublets. Pair of 7 inch (178 mm) heavily serrated end insulators.
Shipping Wt: 6 lbs. (.3 kg)

CONTESTER HEADSET

HS-2400

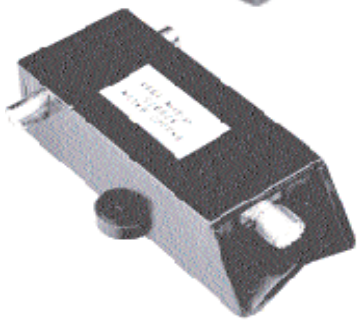
Heavy duty headset with washable nylon socks for comfort. Noise cancelling dynamic mic, tailored for voice range 100-8000 Hz for maximum intelligibility for use with low impedance mic inputs.
Rotatable boom shuts off mic when rotated to vertical position.
Shipping Weight: 1.4 lbs. (.4 kg)

HS-2400
$119.95
UPS Shippable

BN-86

Broadband 50 Ohm ferrite balun. Useable from 3 to 30 MHz. Recommended for all HF Yagi antennas. It provides improved front-to-back ratio. Comes with clamp to bolt to boom and SO-239 connector.
Shipping Wt: 1.3 lbs. (.6 kg)

BN-86
$49.95
UPS Shippable



BN-4000B

BEAM BALUN

Broadband 50 Ohm current balun potted to seal out moisture. Rated at 4000 Watts for increased power handling capabilities. Frequency range is 1 MHz to 54 MHz. Comes with SO-239 Connector. Shipping Wt: 2.5 lbs. (1.1 kg).

BN-4000B
$99.95
UPS Shippable

BN-4000D

DIPOLE BALUN

Same as 4000 B but for dipoles. Shipping Wt: 2.5 lbs. (1.1 kg).

BN-4000D
$99.95
UPS Shippable

BN-4000N

BEAM BALUN

Same as 4000B but with type "N" connector. Shipping Wt: 2.5 lbs. (1.1 kg).

BN-4000N
$109.95
UPS Shippable

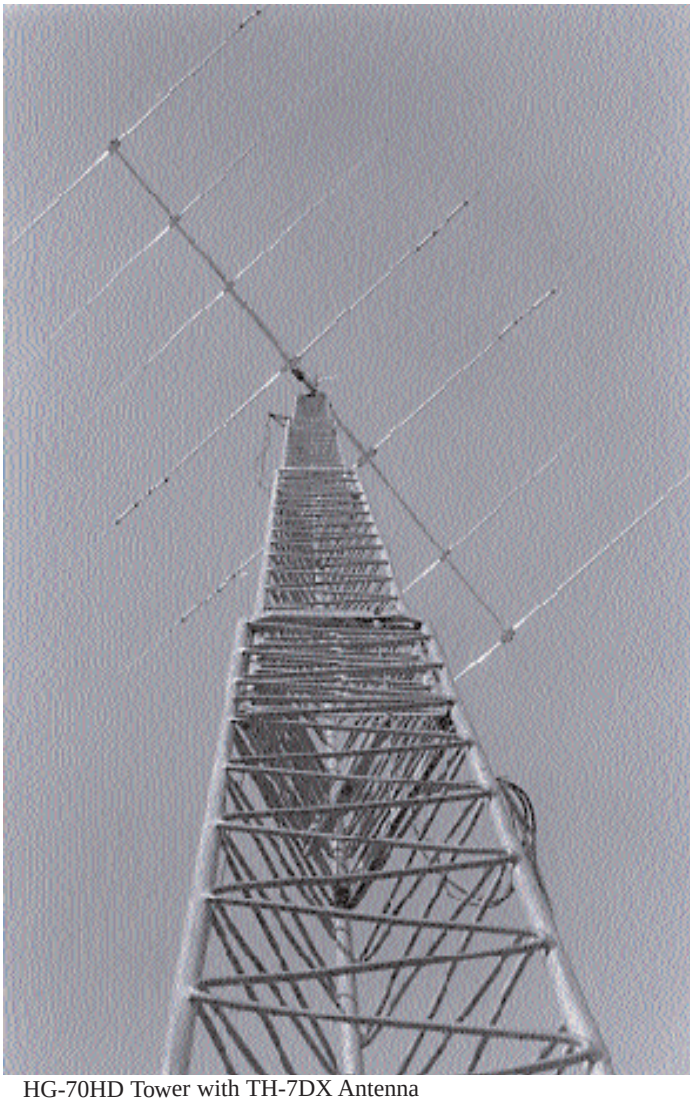
HY-GAIN[R] ANTENNA TOWERS

SELF-SUPPORTING CRANK-UP TOWERS

***Hy-Gain*[R]'s** rugged self-supporting crank-up towers are made of steel and are galvanized after welding to ASTM material standards. Open end tubular steel legs are galvanized inside and out and permit unrestricted moisture drainage. Giant welding fixtures assure straight and true alignment of the tower sections for close tolerance crank-up guide systems. A highly recommended option is the thrust bearing, which can be bolted to the tower's top section to accept masts of up to $2^{3}/_{16}$ inches (55 mm) diameter.

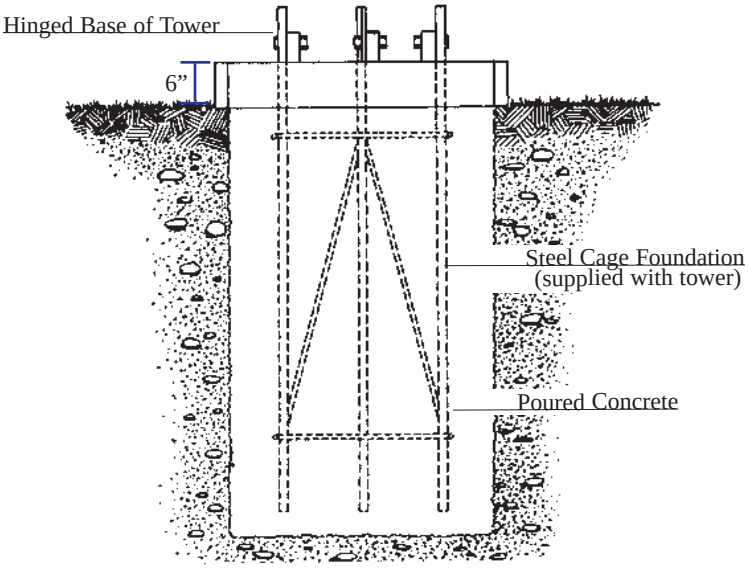
All *Hy-Gain*[R] towers are complete with base hinge, foundation steel-cage and a pre-drilled rotator mounting plate. These towers require no guying and conform to EIA specifications and the Uniform Building Code. UBC documents for building permits are available on request (specify tower model) before purchasing a tower. A small deposit is required and is refunded when the tower is purchased. Diamond-Web bracing means more strength where it is needed most.

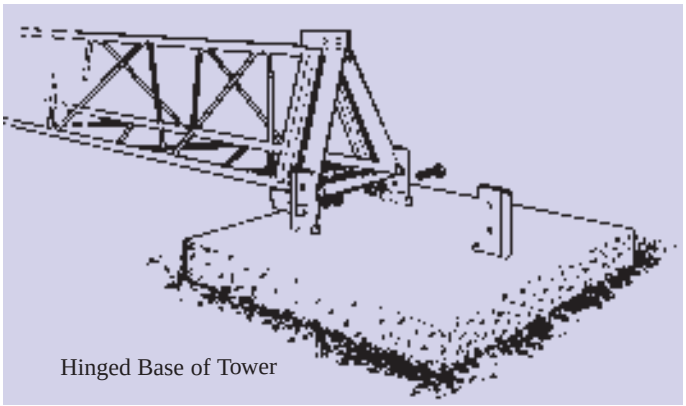
The "diamond web" or "double W" lattice brace configuration is used in *Hy-Gain*[R] towers for added strength where the sections overlap. The diamond web design has $2^{1}/_{2}$ times the strength of the common "W" brace. When the tower is in its fully extended position, the wind load capacity is between 50 and 60 miles per hour (at its full rated load) depending on model.



HG-70HD Tower with TH-7DX Antenna

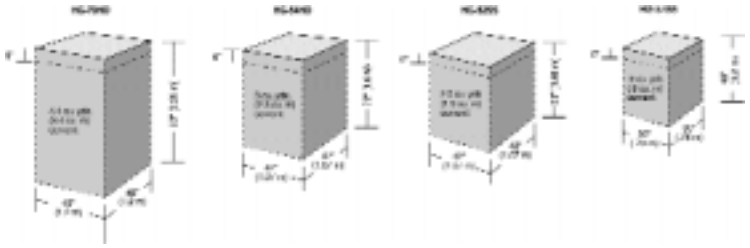
TOWER FOUNDATION



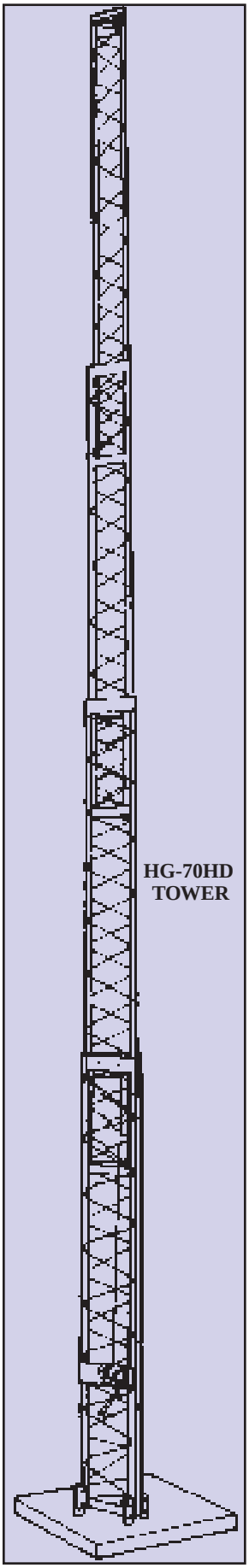


CONCRETE BASE DIMENSIONS

lnccludes 6 inches of concrete above ground.



HY-GAIN[R] ANTENNA TOWERS



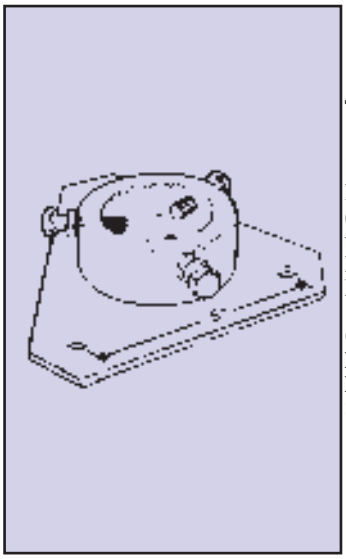
HG-70HD TOWER

TOWER SPECIFICATIONS

ORDER NO.	MODEL NO.	NUMBER OF SECTIONS	MATERIAL (ALL STEEL) ASTM STANDARDS	HEIGHT EXTENDED ft.	HEIGHT EXTENDED m.	HEIGHT RETRACTED ft.	HEIGHT RETRACTED m.	WIDTH AT BASE in.	WIDTH AT BASE mm.	WIND LOAD LIMIT @ 50 mph (80.5 km./hr.) sq. ft.	WIND LOAD LIMIT @ 50 mph (80.5 km./hr.) m^2	SHIPPING WEIGHT lbs.	SHIPPING WEIGHT kg.
125-1	HG-52SS	3	A500-A36 and A570	52	15.8	21	6.4	16.44	417.6	9.5	.8	465	211
129	HG-37SS	2	A500-A36 and A570	37	11.3	20.5	6.2	13.75	349.3	9.5	.8	385	174
130-1	HG-54HD	3	A500-A36 and A570	54	16.5	21.5	6.6	19.59	496.1	16*	1.5*	730	331
131-1	HG-70HD	4	A500-A36 and A570	70	21.3	21.5	6.6	22.63	574.7	16*	1.5*	1160	526

*These towers windload rated at 80 mph (29.8 km./hr.)

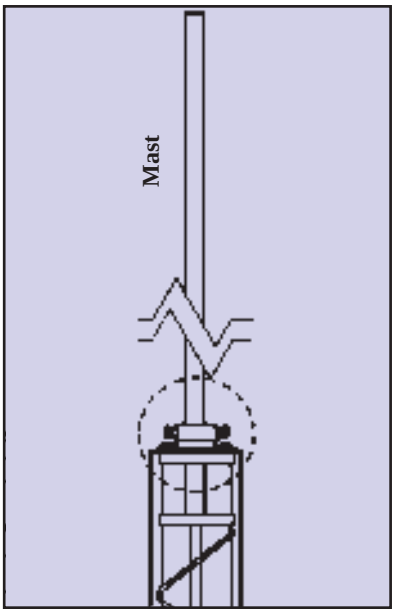
ACCESSORIES



THRUST BEARINGS

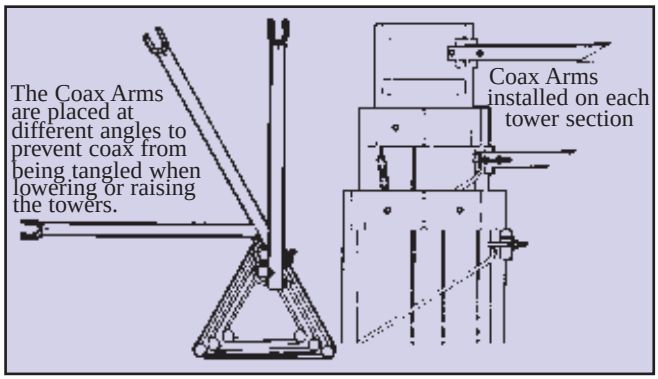
HG-TBT
For use of masts up to 2 3/16 inch (55 mm) diameter. Can be bolted to all *Hy-Gain*[R] Crank-Up Towers. Easy installation with 3 bolts and lock washers.

Order
BRONZE/OIL BEARING
Shipping Wt: 4.1 lbs (1.9 kg)
UPS Shippable



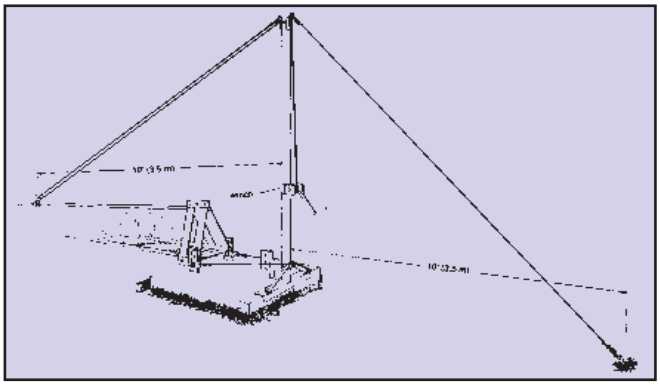
COAX ARMS

HG-COA
The coax arm is 213/4 inches (552 mm) in length and can be easily attached to a range of tower leg sizes up to 11/2 inch (38 mm) diameter. This arm will fit any Hy-GainR Crank-Up series tower as well as other towers.
Order
COAX ARM
Shipping Wt: 2.2 lbs (.9 kg)
UPS Shippable



GIN POLE

HG-TOA
The Gin Pole can be used on all Hy-GainR Crank-Up Series Towers. The bottom of the Gin Pole rests on the concrete base of the tower and is held in place by a cable attached to the tower base bolts. The top is guyed to a screw type earth anchor making it possible to raise and lower the tower with ease.
Order
GIN POLE
Shipping Wt: 176 lbs (79.9 kg)
Motor Freight Only



Antennas, Rotators and Towers

To reach us by phone, please call weekdays from 8 a.m. to 4:30 p.m., central time.

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To order or for nearest dealer: 800-647-1800
Technical Assistance/Parts Orders: 662-323-9538

Write:
***Hy-Gain*[R], 308 Industrial Park Road, Starkville, MS 39759 USA**

Facsimile: 662-323-6551

E-Mail: *hy-gain@hy-gain.com*

Website: *http://www.hy-gain.com*

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