



MANUFACTURERS OF THE WORLD'S
FINEST COMMUNICATION TOWERS!

How to select the tower best suited for you and your beam

1. Determine the Tower Height Desired:

Optimum tower height is a function of operating wave length and DX. The selection of the tower height best suited to your purpose is often a compromise between the ideal and the economic limitations.

2. Determine the Tower Size Required for Your Beam:

Find the wind load of the antenna in sq. ft. of projected area from your supplier, or calculate it from the following formula:

$$\text{Wind Area (sq. ft.)} = \frac{\text{Area of all Elements - Sq. In.} \times \frac{2}{3} \times .707}{144}$$

For stacked beams, an approximation of effective wind area may be calculated as follows:

$$\text{Effective Area} = \text{Area of Lower Beam} + 1.5 \text{ Area of Upper Beam}$$

Each E-Z Way tower is load rated for 50 MPH and 60 MPH winds. Use the chart below to select the tower for your antenna load. All towers are designed for 100 mph winds, retracted.

3. Select Your Mounting Kit:

Each E-Z Way mounting kit is designed to fit a specific need. The Building Attached Kit (BAK) is recommended for economy when the tower can be mounted adjacent to a building and the tilt-over feature is of secondary importance. The Ground Post (GPK), the most versatile and easiest to install, is the most popular for all models except those over 60 ft. The Tilt-Over-Post (TOP) is a must for the larger towers, but may also be used for smaller models in abnormal soil conditions.

TOWER WIND LOAD CHART

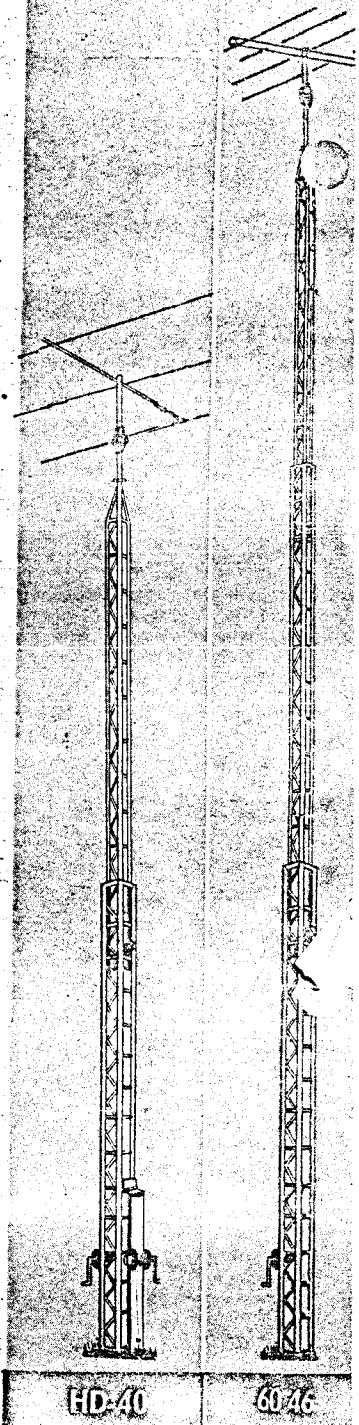
MODEL NUMBER	Normal Ant. Hgt		Max. Ant. Load - Sq. Ft. Projected Area			
	Extended Feet	Retracted Feet	Without Guys		With Guys	
			50 MPH Winds	60 MPH Winds	Area Sq. Ft.	Velocity MPH
HD-40	40	23	6.2	3.4	6.5	86
RBS-40	41	25	12.0 *	7.2	12.0	120
CRS-40	41	25	12.0 *	12.0	12.0	125
RBX-40	42	27	33.5	22.2	40.0	125
RBS-50	51	30	12.0	7.2	12.0	86
RBX-50	52	32	28.8	17.7	40.0	110
6046	60	26	6.5 *	3.4	6.5	90
RBX-60-3	60	26	11.0	7.2	12.0	110
CRX-60-3	60	26	14.0 *	10.2	14.0	110
RBZ-66-3	66	33	34.0	22.2	40.0	125
RBX-70-3	72	31	12.0 *	7.2	12.0	100
RBZ-75-3	75	35	27.7	22.2	30.0	110

* Antenna Load Based on Torque Limit of Rotating Beam.

4. Select the Tower Finish:

All E-Z Way towers are available in a choice of two finishes: Hot Dip Galvanized finish is recommended for long maintenance free life, particularly in coastal areas. Painted finish provides adequate protection for normal atmospheric conditions and is more economical.

After the tower and mounting kit have been chosen, the site for erecting the tower should be considered. Conceivably, the closer to the shack, the better. But due to the fact that the tower tilts, there must be a clearance path of at least two thirds of the tower height and also enough space to allow for the antenna. Remember, stay clear of power lines and trees . . . also, signal loss can result from close proximity to metal structures. Ground conditions do not offer too much of a problem when mounting as the E-Z Way tower can be installed in marsh land, sand, clay or rock . . . and they are self supporting. No Guys!



HD-40

Here is the ideal low cost tower for smaller beams. A two section 40 ft. tower with many features of a costlier tower. Top sect., 20 ft. (7) telescopes into 21 ft. base sect. (9). Rotor mounts on mast above tower. Rotor mounting stub and 1.25 OD mast supplied.

6046

The 60 ft. tower designed for 6 meter beams. Two sections provide height plus economy. 20 ft. top sect. (7) telescopes into the 21 ft. intermediate sect. (9). Both sections telescope into 21 ft. base sect. (12). Rotor mounts on 1.25 OD mast above tower.



"THE PROFESSIONAL AMATEUR'S TOWER"

1 SEPTEMBER 1979
Phone (813) 677-7144

TOWER	PART NO.	WT.	MAX. HT.	MIN. HT.	DESCRIPTION	FACTORY ** LIST
HD-40	14790	155	40	23	Tower 2 sections, for small quads, VHF & beams	328.00-x
	53670	25			Rotor Head, 7 ft. mast, bushing	71.00
	85900	8			Building Attachment Kit-house bracket & hinge plate	22.00
	63640	91			Wonder Ground Post for tilt over installation	178.00
	796204				Surface Mount Ground Post, tilt over installation	187.00
RBS-40	14920	177	41	25	Tower 2 sections, for triband beams	414.00-x
	54090	30			Rotor Head, 7 ft. mast, bushing & thrust bearing	85.00
	85200	11			Building Attachment Kit-house bracket & hinge plate	35.00
	64650	150			Wonder Ground Post for tilt over installation	246.00
	726204	160			Surface Mount Ground Post, tilt over installation	237.00
	94250	80			Motor driven winch assembly	812.00
	91000	10			Positive crank down winch	144.00
RBX-40	24250	308	42	27	Tower 2 sections, for large or stacked beams	554.00-xx
	56020	59			Rotor Head, 10 ft. mast, bushing & thrust bearing	137.00
	86500	14			Building Attachment Kit-house bracket & hinge plate	44.00
	66860	303			Wonder Ground Post for tilt over installation	409.00
	758354	170			Surface Mount Ground Post, tilt over installation	352.00
	94251	80			Motor driven winch assembly	821.00
	91001	10			Positive crank down winch	158.00
RBS-50	15920	241	51	30	Tower 2 sections, for triband beams	556.00-x
	54090	30			Rotor Head, 7 ft. mast, bushing & thrust bearing	85.00
	85200	11			Building Attachment Kit-house bracket & hinge plate	35.00
	65860	212			Wonder Ground Post for tilt over installation	312.00
	728304	170			Surface Mount Ground Post, tilt over installation	288.00
	95250	80			Motor driven winch assembly	833.00
	96000	12			Positive crank down winch	153.00
RBX-50	25250	371	52	32	Tower 2 sections, for large or stacked beams	684.00-xx
	56020	59			Rotor Head, 10 ft. mast, bushing & thrust bearing	137.00
	86500	14			Building Attachment Kit-house bracket & hinge plate	44.00
	66860	303			Wonder Ground Post for tilt over installation	409.00
	758354	170			Surface Mount Ground Post, tilt over installation	352.00
	95330	80			Motor driven winch assembly	863.00
	96001	15			Positive crank down winch	162.00
RBS-60	16925	345	60	26	Tower 3 sections, for triband beams	881.00-xx
	54090	30			Rotor Head, 7 ft. mast, bushing & thrust bearing	85.00
	86500	14			Building Attachment Kit-house bracket & hinge plate	44.00
	65861	240			Wonder Ground Post for tilt over installation	339.00
	758354	170			Surface Mount Ground Post, tilt over installation	296.00
	96250	80			Motor driven winch assembly	850.00
	91001	15			Positive crank down winch	158.00
RBX-60	26253	510	60	26	Tower 3 sections, for large triband beams	1123.00-xxx
	56020	59			Rotor Head, 7 ft. mast, bushing & thrust bearing	137.00
	87300	25			Building Attachment Kit-house bracket & hinge plate	91.00
	66861	440			Wonder Ground Post, tilt over installation	511.00
	758354	170			Surface Mount Ground Post, tilt over installation	416.00
	96330	80			Motor driven winch assembly	872.00
	96002	15			Positive crank down winch	167.00
RBS-70	27925	480	72	31	Tower 3 sections, for triband beams	1147.00-xxx
	54090	30			Rotor Head, 7 ft. mast, bushing & thrust bearing	85.00
	86500	14			Building Attachment Kit-house bracket & hinge plate	44.00
	758354	170			Surface Mount Ground Post, tilt over installation	352.00
	97330	80			Motor driven winch assembly	884.00
	96001	15			Positive crank down winch	162.00
	RBZ-75	17253	796	75	35	Tower 3 sections, for very large or stacked beams
56020		59			Rotor Head, 10 ft. mast, bushing & thrust bearing	137.00
87300		25			Building Attachment Kit-house bracket & hinge plate	91.00
730404		185			Surface Mount Ground Post, tilt over installation	508.00
97500		80			Motor driven winch assembly	999.00
97001		20			Positive crank down winch	230.00
RBZ-85		18253	975	85	35	Tower 3 sections, for very large or stacked beams
	56020	59			Rotor Head, 10 ft. mast, bushing & thrust bearing	137.00
	87300	25			Building Attachment Kit-house bracket & hinge plate	91.00
	730408	250			Surface Mount Ground Post, tilt over installation	578.00
	98500	80			Motor driven winch assembly	1016.00
	98001	30			Positive crank down winch	261.00
	AC-15	19253	1200	115	35	Tower 4 sections, for triband beams
54091		45			Rotor Head, 10 ft. mast, bushing & thrust bearing	133.00
87300		25			Building Attachment Kit-house bracket & hinge plate	91.00
732504		300			Surface Mount Ground Post, tilt over installation	812.00
91575		90			Motor driven winch assembly, w/level wind	1186.00
90001		35			Positive crank down winch	284.00
94240					Remote control for motor winch assembly	470.00
94220					Remote control cable	0.90/ft.

BE SURE TO ORDER ROTOR HEAD AND MOUNTING ASSEMBLY FOR EACH TOWER ORDERED
FREE STANDING TOWER WITH BASE LEG COUPLINGS & ANCHOR BOLTS (NO TILT) ADD:

-x \$60.00 -xx \$70.00 -xxx \$95.00

*TOWER ORDERS - ACCESSORY AND REPLACEMENT PARTS - F. O. B. FACTORY - SHIPPED FREIGHT COLLECT

**TOWERS, ROTOR HEADS, GROUND POSTS, BUILDING ATTACHMENT KITS - GALVANIZED PRICES **

***MINIMUM ORDER - \$25.00

****TOWER AND GROUND POST PRICES INCLUDE WINCHES, CABLE & HARDWARE

*****54820 HEAVY DUTY ROTOR HEADS FOR CDR T²X, WILSON WR 1000 ROTATORS
MOUNT ON X AND Z TOWERS ONLY (WT.=65 lbs.)

154.20