Please Note: A qualified structural engineer should be consulted prior to mounting an antenna on a tower or support structure.

DMXB SERIES BRACKETED TOWERS

WARNING: INSTALLATION OF THIS PRODUCT NEAR POWER LINES IS DANGEROUS! FOR YOUR SAFETY, FOLLOW THE INSTALLATION DIRECTIONS. SEE SAFETY INSTRUCTIONS.

CHECK TOWER OVER
Inspect all tower sections on delivery to make sure there are no loose or broken rivets caused by transport mishandling. If a rivet is broken or loose it should be replaced by a snug fitting bolt and nut securely tightened. If legs are severely bent, make a damage claim against the transport company. Do not use damaged sections.

INSTALLING TOWER
Shown above are two methods of installing DMXB series towers on a house with a gable end. Method one is best used when only one person is doing the installing. Two or three tower sections are fastened together on the ground and pushed up against the house.

DELHI TOWERS are designed and built to stand up for years against severe wind and ice conditions. Although all towers are carefully made and inspected before they leave our factory, they are not guaranteed against failure due to shipping damage, over-loading or improper installation. Please read instructions carefully.

Figure 1
Figure 2
Figure 3
Figure 4

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IMPORTANT NOTE: The following procedure should be used when bolting tower sections together. Insert bolt through holes of the two sections. Place a lockwasher on the bolt and run the nut on. Only ONE lockwasher is required on each bolt and it is placed under the nut. Tighten the nut securely.

**ANTENNA LOAD LIMIT**

DMXB Towers are designed to support an antenna load of up to 3 square ft. wind area. This is equivalent to one large TV/FM antenna or two medium size TV/FM antennas, or one small VHF colinear or one small CB antenna. No more than 20 ft. of tower (2.5 sections) should be above the house bracket. Guy wires must be used if larger loads or greater height using more sections is needed. Use GS12 listed below.

<table>
<thead>
<tr>
<th>Material</th>
<th>Dimensions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS12 Guy Station</td>
<td>28’</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20’</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>12 ft. X 1 1/2” O.D. X 16 ga mast</td>
<td></td>
</tr>
<tr>
<td>3/8” O.D. Steel rod</td>
<td>2-7/8”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>37 3/4”</td>
<td></td>
</tr>
</tbody>
</table>

**INSTALLING MAST**

Two U-Bolt assemblies with “L” brackets are supplied for installing the mast. These “L” brackets are bolted through the slotted holes on each plate with the short leg of the “L” bracket toward the outside of the tower. Adjustments to make the mast vertical may be made by moving the “L” bracket in the slotted holes.

**INSTALLING ROTORS**

Any make of rotor can be installed on the rotor plate provided inside the top section of a DMXB tower for a neat appearance and also to make use of the mast thrust bearing on the top plate which increases rotor life considerably. The CDE Model AR-30, Crown and Channel-Master rotors can be mounted directly to the “L” bracket as shown at left and above. The alliance, Superior, Blonder-Tongue rotors need an 8” piece of masting held by the mast clamp as shown above left. The CDE Models AR-40 and AR-33 can be directly installed by discarding the cast base and using 3/8” hex nuts as spacers between rotor and tower rotor plate. Insert the four 1/4-20 bolts, supplied with rotor, up through the 4 plate holes and spacers into rotor and tighten securely.

Rotor cable and TV coax. cable can be run down the outside of the tower leg and held in place every four to six feet by waterproof tape. 300 ohm lead-in can be supported by wrap-around standoffs placed 6 to 8 ft. apart on the tower legs.

**GUUED DMXB TOWERS**

DMXB towers can be guyed up to a height of 80 ft. using 10 sections. A GS12 guy station should be used every three sections from the ground up. The top guy station should be attached to the middle of the top section. Regular TV guy wire can be used. Ground guy anchors must be spaced 120 degrees apart and about one half the tower height or more away from the base of tower. Try to maintain uniform tensions on all guy wires, but do not tighten them excessively.