Vertical Mast Guying Kit
1000 Ft. Rope and Four Earth Anchors
DXE-GUY1000-KIT

DXE-GUY1000-KIT-INS-Rev 1a

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Introduction

The **DXE-GUY1000-KIT** contains one 1,000 foot roll of 3/32” SYN Double Braided Polyester rope which has excellent resistance to abrasion. This polyester rope is also UV resistant and is not weakened by decay or mildew. The load rating is 260 pounds. This guying kit is not recommended for use for supporting or guying towers.

The four Earth Anchors included are 15 inches in length and have earth screws 3 inches in diameter.

**WARNING!**

**INSTALLATION OF ANY ANTENNA OR MAST NEAR POWER LINES IS DANGEROUS**

![Warning icons](image)

**Warning:** Do not locate the antenna or mast near overhead power lines or other electric light or power circuits, or where it can come into contact with such circuits. When installing the antenna or mast, take extreme care not to come into contact with such circuits, because they may cause serious injury or death.

**Overhead Power Line Safety**
Before you begin working, check carefully for overhead power lines in the area you will be working. Don’t assume that wires are telephone or cable lines: check with your electric utility for advice. Although overhead power lines may appear to be insulated, often these coverings are intended only to protect metal wires from weather conditions and may not protect you from electric shock.

Keep your distance! Remember the 10-foot rule: When carrying and using ladders and other long tools, keep them at least 10 feet away from all overhead lines - including any lines from the power pole to your home.

**Guying**

Some vertical antenna manufacturers indicate their antennas do not need guying. During times of high winds or ice loading, some of these verticals may sustain damage or fail altogether. With the small amount of effort needed to install a four point guying system, the risk hardly seems worth taking. A four-point guying scheme provides the best mechanical advantage to help prevent wind stress, regardless of direction.

When using an optional **DXE Tilt Base**, a three level, four point guying system is recommended for use with **DX-ATK65** or other vertical antennas because just one set of the guy ropes has to be loosened when you tilt the vertical mast down. The remaining guys help stabilize the vertical mast in three directions when being raised.
The **DXE-GUY1000-KIT** has been designed to be used with the 65 foot **DXE-ATK65** Telescoping Aluminum Antenna Tubing Kit or other similar length vertical antennas. The guying kit is ideal for fixed or portable installations. This guying kit is **not** intended for use with a tower.

**Figure 1** shows the suggested guying scheme for the **DXE-ATK65** 65 foot vertical assembly.

Guying of vertical antennas is always recommended for stability. However, if your area encounters severe wind velocities or icing conditions, simple guying will help prevent the possibility of failure.

Using the **DXE-GUY1000-KIT**, you can install four sets of guy ropes.

Use the suggested no slip knot placing the loop just above the element clamps shown in **Figure 1**. Guying should be tightened just enough to permit the antenna to swing a few inches. The ends of the ropes are tied to the earth anchors that are screwed into the ground at about the same angle as the ropes will be using the same no slip knot shown above.

When using the optional **DXE Tilt Base**, position the guy ropes as shown in **Figure 2**. This will make it easy to raise or lower the antenna and only one set of guy ropes needs to be loosened. The other guy rope sets will help guide the antenna on the way up. Depending on your antenna system, additional or varied guying may be required.
Technical Support
If you have questions about this product, or if you experience difficulties during the installation, contact DX Engineering at (330) 572-3200. You can also e-mail us at:

DXEngineering@DXEngineering.com

For best service, please take a few minutes to review this manual before you call.

Warranty
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