

TripleTree™ Stand DB800TREE

POWERED BY



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CommScope Infrastructure Academy offers installation training.

GENERAL INFORMATION

- Universally adjustable; telescoping
- Used for installing multiple antennas and TMAs in a sectoral arrangement as a single unit

PRE-INSTALLATION INSTRUCTIONS

- Carefully remove the unit from its shipping container.
- Inspect to ensure there are no shipping damages.

ADJUSTING HEIGHT

Refer to Figure 1, while following the steps shown below.

1. Loosen the six lock nuts and set screws from the stand.
2. Support the top portion of the stand while removing the cotter pin and pin.

Ensure the top portion of the stand does not retract down, while removing pins.

3. Slide the top portion of the stand to the preferred height, mating the nearest holes from the top and bottom portions of the stand.
4. Insert the pin through the mated holes.
5. To secure the pin, insert the cotter pin through the hole of the pin, and flare the ears of the cotter pin.
6. Tighten the six set screws, and then tighten the lock nuts to secure the adjusted height.

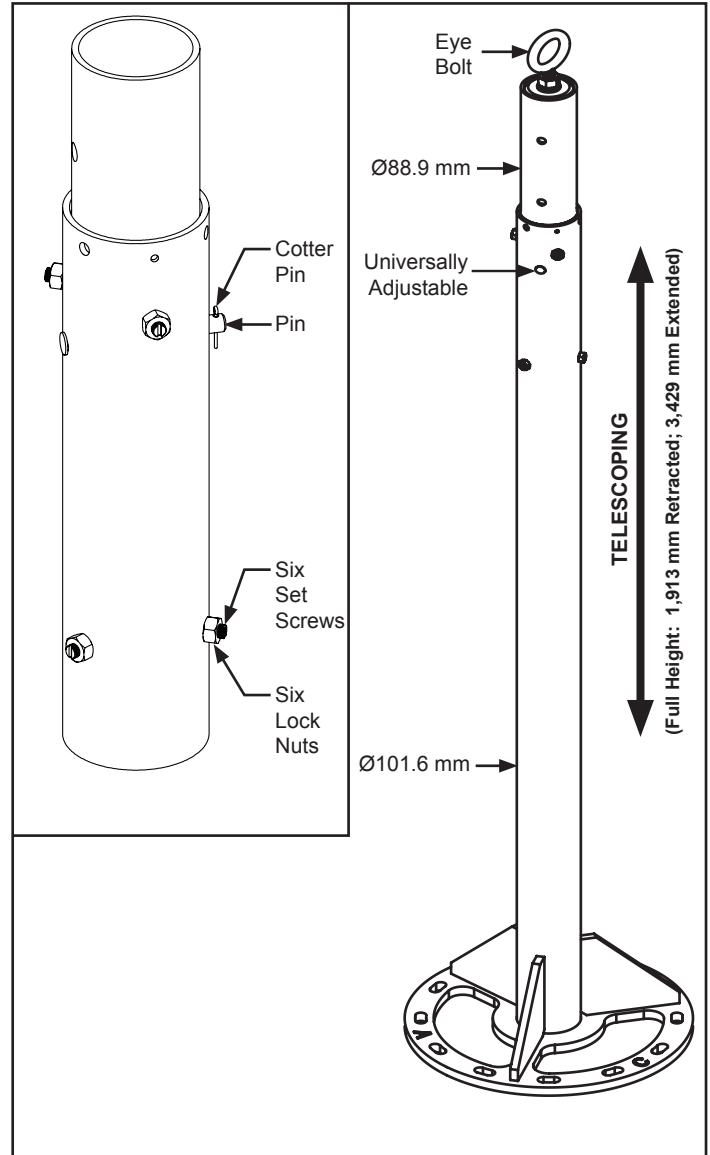


Figure 1. Adjusting the Height of the Stand.

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NOTICE

The installation, maintenance, or removal of an antenna requires qualified, experienced personnel. CommScope installation instructions are written for such installation personnel. Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenance, and condition of equipment.

CommScope disclaims any liability or responsibility for the results of improper or unsafe installation practices.



Do not install near power lines. Power lines, telephone lines, and guy wires look the same. Assume any wire or line can electrocute you.



Do not install on a wet or windy day or when lightning or thunder is in the area. Do not use metal ladder.



Wear shoes with rubber soles and heels. Wear protective clothing including a long-sleeved shirt and rubber gloves.

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INSTALLATION INSTRUCTIONS

1. The base plate on the stand is divided into three 120° sectors and labeled as “A”, “B”, and “C” (Figure 2). Each of these three sectors have four mounting holes (total of twelve mounting holes for entire base plate).

Be sure to note these sectors for proper orientation of antenna installation on the stand.

2. Determine the desired orientation of the array.

After the desired orientation has been determined, refer to Figure 3 for measurements needed to properly mount the base plate to the flat surface.

Anchor twelve M16 Grade 8 mounting bolts to a suitable mounting surface.

3. The base plate has three large openings—one for each sector. These openings can be used to route RF cables up through the base plate (Figure 2).

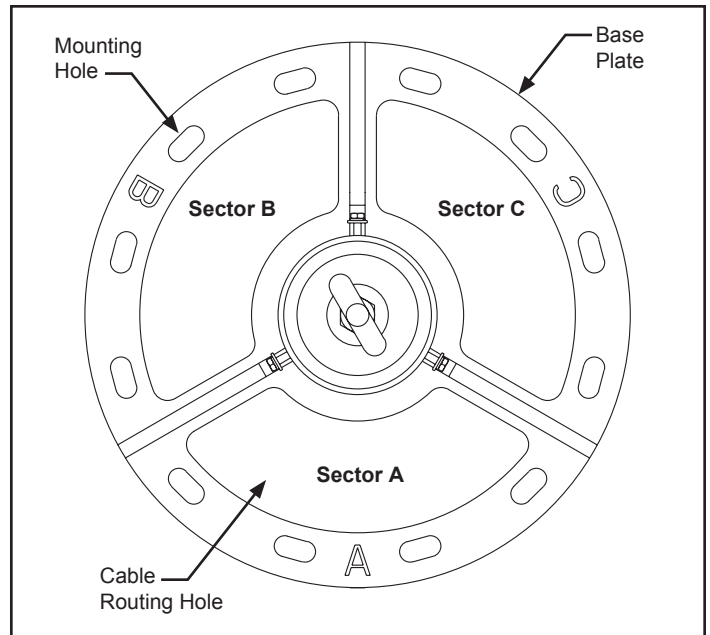


Figure 2. Sector Locations on Base Plate—Top View.

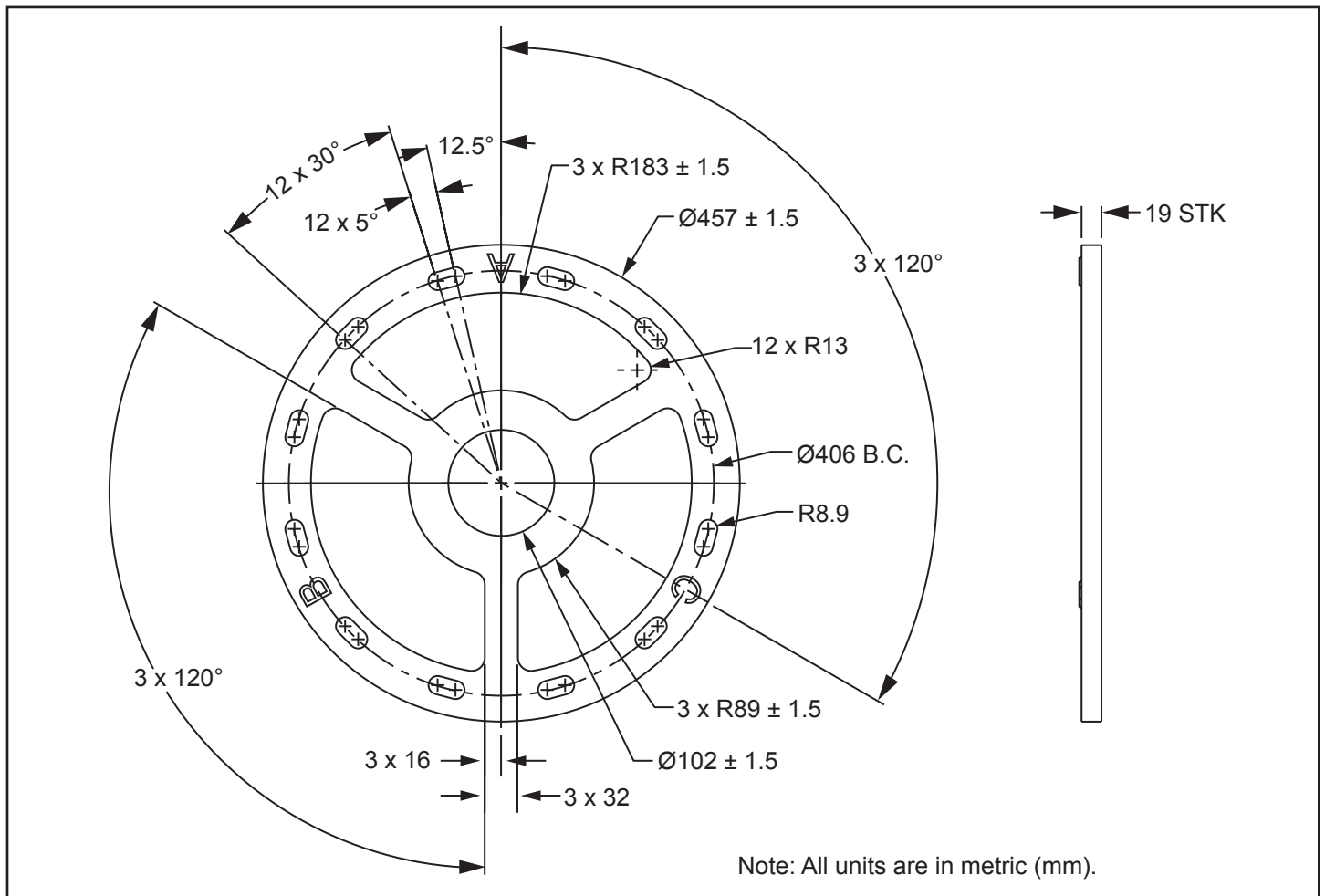


Figure 3. Measurements Needed for Preparing Mounting Surface for TripleTree Stand Base Plate—Top View.

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- Since mounting configurations will vary by location and by mounting surface, Andrew Corporation does not provide the mounting bolts or associated hardware. It will be the responsibility of others to determine the best method of securely anchoring the base plate to the desired surface.

Note that the anchoring bolts must be securely fastened through each of the twelve mounting holes in the base plate.

- After the mounting surface has been prepared, the stand may be hoisted into position and aligned to the desired sector directions (A, B, and C).

An eye bolt has been provided on the top of the stand to aid in hoisting the unit.

- After the stand has been properly installed to the mounting surface (using all twelve mounting holes), follow the installation instructions provided with the mounting hardware kits to mount the antennas/TMAs to the stand.

OPTIONAL LIGHTNING SPIKE

The eye bolt on the top of the stand can be replaced by a standard bolt or lightning spike (order CommScope 013530-001 Grounding Spike Kit). See Figure 4. Grounding Spike Kit). See Figure 4.

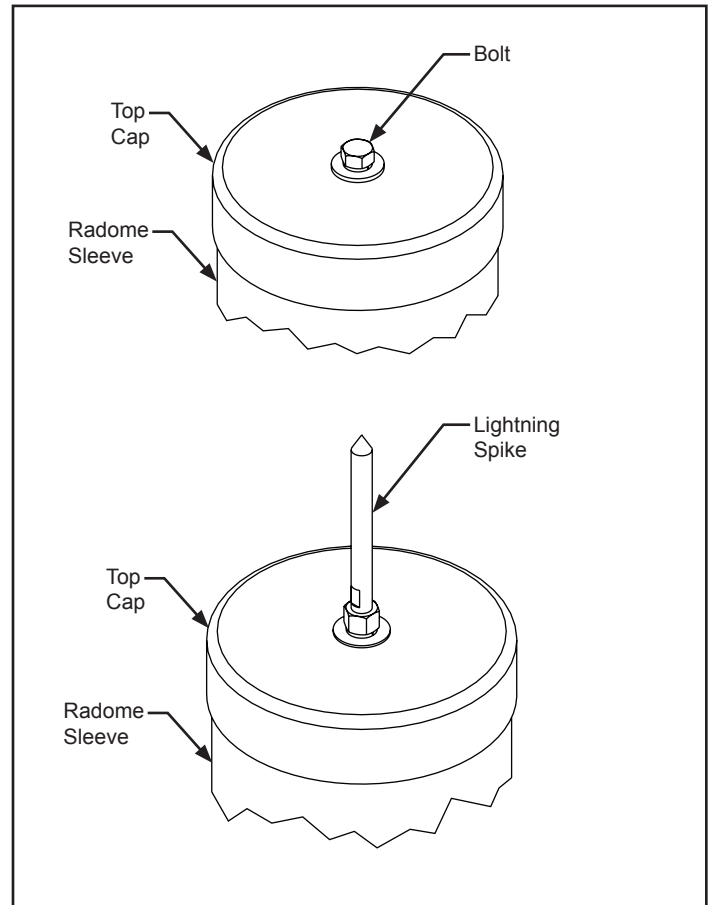


Figure 4. Optional Bolt or Lightning Spike.

CommScope
1100 CommScope Place SE P.O. Box 339, Hickory, NC 28603-0339
(828) 324-2200 (800) 982-1708
www.commscope.com/andrew

Customer Service 24 hours
North America: +1-800-255-1479 (toll free)
Any country: +1-779-435-6500
email: acicustomersupportcenter@commscope.com

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