Item no.: AH2030-TP

AH2030-TP - 30° Asymmetrical Beam Antenna

from **277,68 EUR**

Item no.: AH2030-TP
shipping weight: 5.70 kg
Manufacturer: RF Elements

📄 Product Description

AH2030-TP - 30° Asymmetrical Beam Antenna

The 30° Asymmetrical Horn TP Antenna has a high gain and zero side lobes, meaning a very high beam efficiency. Its radiation pattern is wide in the azimuth and narrow in the elevation plane.

The stability of gain, radiation pattern, and resulting coverage is excellent across the whole useful bandwidth. These properties and outstanding noise rejection favor the 30° Asymmetrical Horn TP Antenna to be used in high customer density and co-location sites. TwistPort™ - rf element's revolutionary patent-pending twist-and-lock waveguide port enables connectivity to a wide range of third-party radios using TwistPort™ Adaptors.

The BeamSwitch™ feature enables mounting of the antenna with 90° rotation by swapping the position of the handle and the bracket. The AH2030-TP thus can provide 20° azimuth and 30° elevation beamwidth option. The extruded aluminum ring improves the structural strength of the antenna attachment and makes the BeamSwitch™ flip easy and fast.

Technical Data

- Antenna connection: TwistPort™ - Quick Locking Waveguide Port
- Antenna type: Horn
- Materials: UV resistant ABS plastic, polycarbonate, HDPE, aluminum, stainless steel
- Enviromental: IP55
- Pole mounting diameter: 40-80 mm (we recommend as close to 80 mm as possible)
- Temperature: -35°C to +60°C (-31°F to +140°F)
- Wind survival: 160 km/hour
- Wind loading: 67 N at 160 km/h
- Mechanical adjustment: ±20° elevation, ±20° azimuth
- Weight: 4.2 kg/9.2 lbs
- Dimensions: 483 x 334 x 235 mm/19.0 x 13.1 x 9.2 inch

Performance

- Frequency range: 5180 - 6000 MHz
- Gain: 20.5 dBi
- Azimuth beam width -3 dB: H 21°/V 21°
- Elevation beam width -3 dB: H 15°/V 15°
- Azimuth beam width -6 dB: H 30°/V 30°
- Elevation beam width -6 dB: H 20°/V 20°
- Beam efficiency: 95%
- Front-to-back ratio: 35 dB

📄 Specifications