Item no.: AH90-TP

AH90-TP - 90° Asymmetrical Beam Antenna

from **160,67 EUR**

Item no.: AH90-TP
shipping weight: 7.10 kg
Manufacturer: RF Elements

Product Description

AH90-TP - 90° Asymmetrical Beam Antenna

90° Asymmetrical Horn TP Antenna combines the best of both worlds - a high gain of a traditional sector antenna and zero side lobes of a horn. Its radiation pattern is wide in azimuthal and narrow in the elevation plane, greatly improving coverage planning options. 90° Asymmetrical Horn TP Antenna delivers unmatched beam performance thanks to the high stability of gain and radiation pattern in the whole band of operation. Outstanding performance favors 90° Asymmetrical Horn TP antenna for high-density AP clusters, in highly populated areas and dense co-location sites. AH90-TP features RF elements' revolutionary TwistPort™ connector, a patent-pending twist-and-lock waveguide port. 90° Asymmetrical Horn TP Antenna supports a wide range of third party mainstream radios with RF elements' TPA TwistPort™ Adaptor. AH90-TP features an all new mechanical structure with a massive aluminum ring and mounting bracket. Stainless steel hardware comes with black coating that prevents hardware seizing.

Technical Data

- Antenna connection: TwistPort™ - quick locking waveguide port
- Antenna type: Horn
- Materials: UV resistant ABS plastic, polycarbonate, HDPE, aluminium, stainless steel
- Enviromental: IP55
- Pole mounting diameter: 40-80 mm (1.5-3.1 inch), recommended as close to 80 mm (3.1 inch) as possible
- Temperature: -35°C to +60°C (-31°F to +140°F)
- Wind survival: 160 km/h (100 mi/h)
- Wind load: 79/82 N - front/side at 160 km/h (100 mi/h)
- Effective projected area: 646/654 cm2 - front/side (100.1/101.4 in2)
- Mechanical adjustment: ± 20° elevation, ± 20° azimuth
- Weight: 5.3 kg (10.3 lbs)
- Dimensions (retail box): 510 x 420 x 175 mm (20 x 16.5 x 6.8 inch)

Performance

- Frequency range: 5180 - 6000 MHz
- Gain: 16 dBi
- Azimuth beam width -3 dB: H 60°/V 60°
- Elevation beam width -3 dB: H 16°/V 16°
- Azimuth beam width -6 dB: H 90°/V 90°
- Elevation beam width -6 dB: H 25°/V 25°
- Beam efficiency: 90%
- Front-to-back ratio: 30 dB

Specifications