



SD 2000 U/N

Wide-band Base Station Antenna



Installation Manual

DESCRIPTION

Wide-band discone antenna working on 100-2000 MHz in reception and on many amateur frequencies in transmission (2m, 1 1/4m, 70cm, 33cm, 23cm). It is made of stainless steel, chromed brass and anodized aluminium to guarantee the best efficiency and performance. Easy to fit, it can be suitable for the installation everywhere. The vertical whip can be removed whenever the 145 MHz frequency is not required. Two versions are available: SD 2000 U with UHF-female connection, and SD 2000 N with "N" female connection.

SPECIFICATIONS

Electrical Data

Type	: Discone
Frequency Range (RX band)	: 100-2000 MHz
(TX band @ $\leq 2:1$)	: 130...160; 221...445; 610...682; 860...960 MHz 1075...1500; 1610...2000 MHz
Impedance	: 50 Ω
Radiation (H-plane)	: 360° Omnidirectional
Radiation (E-plane)	: Frequency dependente, see the pattern
Radiation angle	: Frequency dependente, see the pattern
Polarization	: Linear Vertical
Gain	: 0 dBd - 2.2 dBi @ lowest frequency
Max Power	: 200 Watts (CW)
Feed System / Position	: Direct / Center
Connector	: SD 2000 N = N-Female, gold plated central pin SD 2000 U = UHF-Female, gold plated central pin

Mechanical Data

Materials	: Aluminium, Chromed Brass, Stainless Steel, Nylon
Wind Load / Resistance	: 44N @ 150 Km/h / 150 Km/h, 93 mi/h
Wind Surface	: 0.04 m ² , 0.43 ft ²
Height (approx.)	: 940 mm, 3.1 ft
Weight (approx.)	: 1020 gr, 2.3 lb
Cone radial length (approx)	: 500 mm, 1.8 ft
Mounting Mast	: \varnothing 25-54 mm, 1-2.1 in

MOUNTING INSTRUCTIONS

