

OPERATING MANUAL

D3000N Super Discone Antenna for Wideband Reception

The D3000N Super Discone Antenna is the first ultra-wideband antenna in the market which can cover amateur radio, air traffic control and other various utility frequency bands and, in addition, even some amateur radio frequency bands within the covering frequency range can be transmitted with this antenna alone. The D3000N is designed to be able to assemble very easily and can be built in a couple of hours by beginners. Rust free stainless steel is employed in major component parts to have the antenna rust resistant and durable. And its very compact and lightweight design enables it to be installed at any convenient place.

Description

1. Ultra-wideband design to be able to cover 25-3000MHz.
2. Very compact and lightweight design enables the antenna to be installed on balcony railing at an apartment or condominium.
3. 6m, 2m, 70cm and 23cm amateur frequency bands and 33cm band (904MHz) can be transmitted.
4. Since all radial rods are designed to have the same length, the D3000N is perfectly omni directional as original discone antenna and can receive radio propagation from any direction evenly.

Specifications

Frequency range: 25-3000MHz receiving only (50/144/430/904/1200MHz for transmitting)

Length: 1.7m

Weight: 1kg

Max Power Rating: 144 MHz up: 200 watts

6m: 20 watts FM, 50 watts PEP

Rated wind velocity: 40m/sec.

Max. diameter: 84cm

Mast diameter accepted: 25mm-50mm

Connector: N-P

Recommend cable: 10D-2V

SWR: Less than 2.0

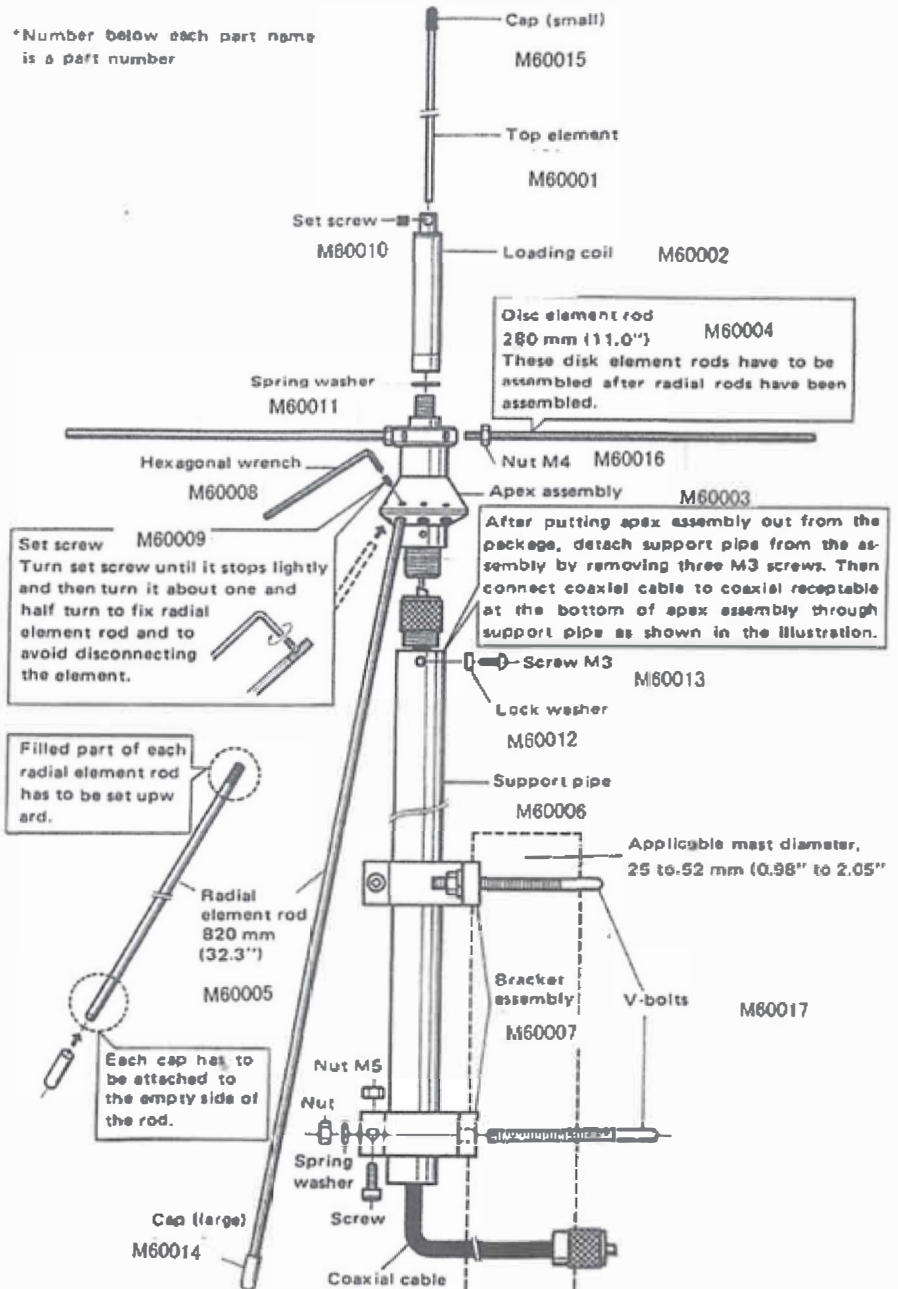
Impedance: 50Ω

Nominal SWR: 2:1 or less only on Amateur bands

(50, 144, 430, 904, 1200 MHz)

Gain dBi: 2 (nominal)

Assembling the D3000N Super Discone Antenna



DIAMOND ANTENNA Products are distributed by RF PARTS COMPANY

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