# MD II8 - I37 Aviation

## DESCRIPTION

Dipole  $1/2 \lambda$  with loaded radial covering the frequency range of 118-137 MHz for aeronautical band. The whip is made of black chromed stainless steel and all the metallic components are of brass or steel to get the best robustness. Thanks to its loaded radial MD 118-137 Aviation doesn't need any metallic ground plane and it is particularly recommended for installation on small aircraft.

### **TECHNICAL DATA**

#### **Electrical Data**

Type : Dipole 1/2 λ with loaded radial

Frequency range : 118-137 MHz

Impedance :  $50 \Omega$ 

Radiation (H-plane) : 360° omnidirectional

Polarization : Vertical

Gain : 2.15 dBi
Max Power : 50 Watts
Feed system / position : Direct / Center

Cable length / Type : 5m, other length on request / RG58 C/U

Connector : FME-female, other type on request

#### **Mechanical Data**

Materials : Stainless Steel 17/7 PH, Nylon,

Chromed Brass, Zamac

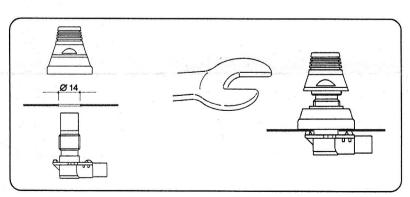
Wind resistance : 220 Km/h
Length (approx.) : 760 mm
Weigth (approx.) : 330 gr
Radial lenght : 165 mm
Mounting Hole : Ø 14 mm

760 mm (approx)

#### **MOUNTING INSTRUCTIONS**

Install your MD118-138 as far as possible from your body. Drill a  $\emptyset$  14mm hole on a metal plate of max 1,5mm thikness and clean the painted surface to obtain the best ground contact. Fix the antenna base and the radiator being sure to well lock all the parts.

**Remarks:** The cable must not interfear or disturb the pilot movement. Be sure to well fix the cable from the transceiver to the antenna. Do not use an Input power higher than the allowed one. Occasionlly don't forget to check the well-done locking of all fixed parts.





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