# 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**

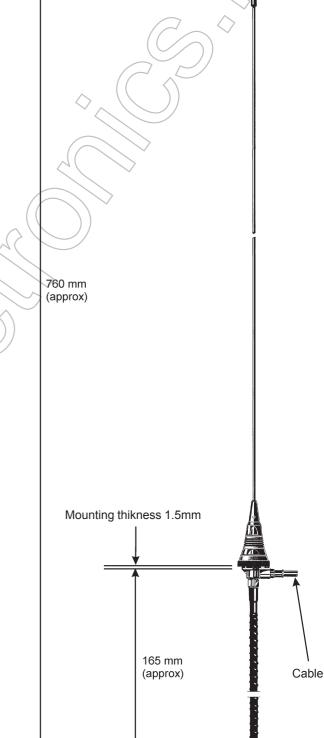
Туре
Frequency range
Impedance
Radiation (H-plane)
Polarization
Gain
Max Power
Feed system / position
Cable length / Type
Connector

Dipole 1/2 λ with loaded radial
118-137 MHz
50 Ω
360° omnidirectional
Vertical
2.15 dBi
50 Watts
Direct / Center
5m, other length on request / RG58 C/U
FME-female, other type on request
Stainless Steel 17/7 PH, Nylon, Chromed Brass, Zamac

### **Mechanical Data**

Materials

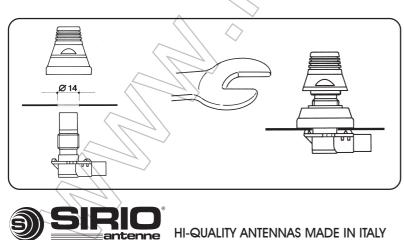
Wind resistance Length (approx.) Weigth (approx.) Radial lenght Mounting Hole : FME-female, other type on a : Stainless Steel 17/7 PH, Nyl Chromed Brass, Zamac : 220 Km/h : 760 mm : 330 gr : 165 mm : Ø 14 mm



#### **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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