AEROSPEC

VHF COMMUNICATIONS ANTENNA

INSTALLATION INSTRUCTIONS | MODEL AS-AV-17

CONGRATULATIONS AND THANK YOU

Thank you for choosing AEROSPEC! You have just purchased a high-quality product, designed for the aviation industry and crafted to meet the highest standards in aviation technology.

At AEROSPEC, we are committed to providing top-tier products and exceptional service. Your satisfaction is our main priority, and we are here to ensure that your product delivers optimal performance.

PRODUCT OVERVIEW

Product	**VHF Communications Antenna**
Model	**AS-AV-17**
Application	**General Aviation**
Frequency range	**118 – 137 MHz**
VSWR	**3.0:1.0 or better**

(ETSO authorization in progress)

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Quality Manager

INSTALLATION INSTRUCTIONS

1) Choose the Mounting Location

Select a suitable spot on the aircraft to install the antenna. Make sure the antenna is at least two feet away from other antennas and reflective parts of the aircraft, such as the vertical stabilizer or landing gear. The mounting area must provide a good electrical connection to the metal structure or skin of the aircraft.

2) Drill the Mounting Holes

Use the supplied template to mark the positions for four mounting holes and one hole for the cable connector. Pay attention to the front and rear alignment as indicated on the template. Drill the holes carefully according to the markings.

3) Install the Antenna

Place the provided rubber pad between the antenna base and the outer surface of the aircraft. On the inside of the airframe, position the back-up plate that comes with the kit. Insert the supplied hardware through the holes and tighten all screws securely. This ensures solid electrical contact.

> **Important:** The mounting screws must be properly grounded. The countersunk washers should cut through any paint under the screw heads to make direct contact with the metal surface.

4) Prepare and Attach the Coaxial Cable

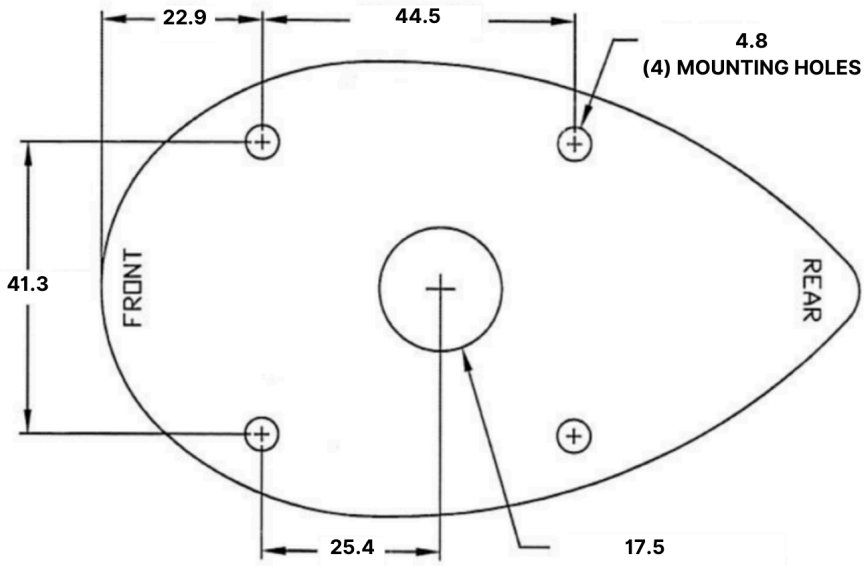
Use a 50-ohm coaxial cable such as RG-58/U (not included). Attach a BNC-type connector, such as Delta Electronics #UG-88/U or an equivalent model, to one end of the cable. Follow the connector manufacturer's instructions for proper installation. The other end of the cable must be fitted with a connector that matches your radio system.

5) Connect and Test

Run the cable between the antenna and the radio. Connect an In-Line Wattmeter between the transmitter and the antenna to check performance.

VSWR for model AS-AV-10	**2.0:1.0 or better**
VSWR for model AS-AV-17	**3.0:1.0 or better**

AS-AV-17
MOUNTING TEMPLATE
(in millimetres)



AS-AV-17
MOUNTING TEMPLATE
(in inches)

