

VHF MARINE J-POLE

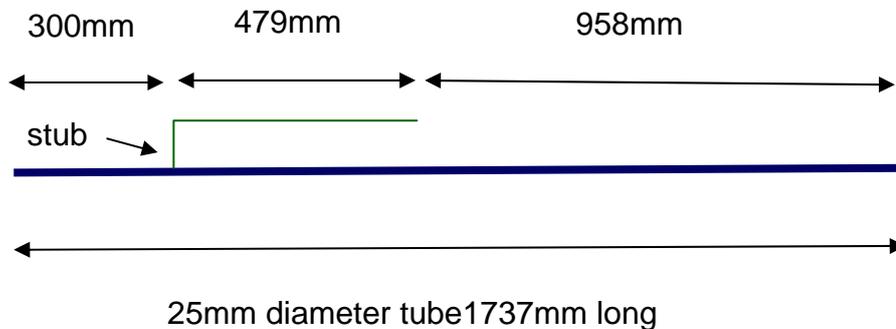
STEP 1.

Cut 25mm diameter Aluminium Tube to a length of 1737mm

Cut 8mm diameter Aluminium Rod to a length of 554mm

Measure 75mm and bend the stub end at 90 degrees

Drill an 8mm hole and insert the short end of the stub and tack weld to hold it securely



STEP 2.

Drill a 25mm hole near the side/edge in the top and bottom of a small 100mm water proof electrical box so that the holes line up and will allow the tube to be inserted through the box – see photos

Drill a 8mm hole approx 62mm apart on the other side to allow the stub to be inserted through the box

Fit the box

Drill a hole for the SO239 plug and solder two wires to the plug and clamp the other ends approximately 65-75mm from the bottom of the stub as per the pictures



STEP 3.

Connect the coax to a Vswr Meter and fine tune the antenna

Note the Vswr Meter reading – then move both clamps **up or down** until the Vswr Meter reads as close to 1:1 as possible – if the Vswr Meter reading goes up then move the clamps the other direction etc etc - This can be frustrating but stick with it and you will be rewarded – Once you get as close to 1:1 as you think possible then the antenna is tuned and ready for action – It needs no ground plane and can be clamped very securely at the bottom using the 300mm end of the aluminium tube – Use 316 Marine Grade Stainless Steel clamps.

7.3. from Aaron formerly VK4VOX