

VHF AND UHF MOBILE ANTENNA - 1/4 WAVE

AP2946 - AP2956 - AP2966 - AP2976 - AP5966



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VHF AND UHF MOBILE ANTENNA - 1/4 WAVE

TECHNICAL DATA

The VHF and UHF 1/4 wave WHIP Vertical Mobile Antenna is made of zamac, high-quality stainless steel and high-deformation rubber resistant to ozone, weather and chemicals, with epoxy paint finish. Designed to operate in the VHF and UHF bands according to the cutting table alongside.

This antenna is available in the following versions:

AP2946 - 5 m coaxial cable 95% shield with UHF connector.

AP2956 - 5 m coaxial cable 95% shield with MINI UHF connector.

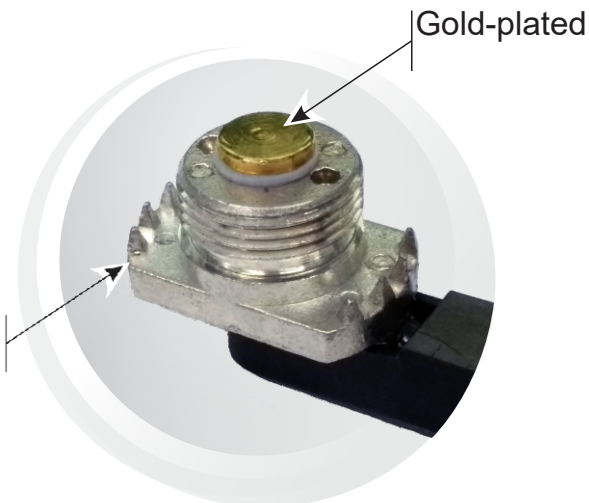
AP2966 - 5 m coaxial cable 95% shield without connector.

AP2976 - 5 m coaxial cable 95% shield with BNC connector.

AP5966 - 5 m coaxial cable 90% shield without connector.



Piercing
claws



PIERCING CLAWS

(Patented)

The exclusive piercing-claw system makes installation easier on vehicles with thermal-acoustic or structural roof lining, with a 16mm hole, with no need for scraping to obtain the grounding required for proper operation.

PAT : MU 9001207-0

IMPORTANT

The measurements in the tuning table are for reference only and may vary depending on the installation site. The antenna must be installed on a flat surface with a radius of at least 1/4 wave plus 5% at the desired frequency. For best results, always use a VSWR meter (Wattmeter). The reflected signal must not exceed 1,5:1 VSWR or 4% of the forward power.

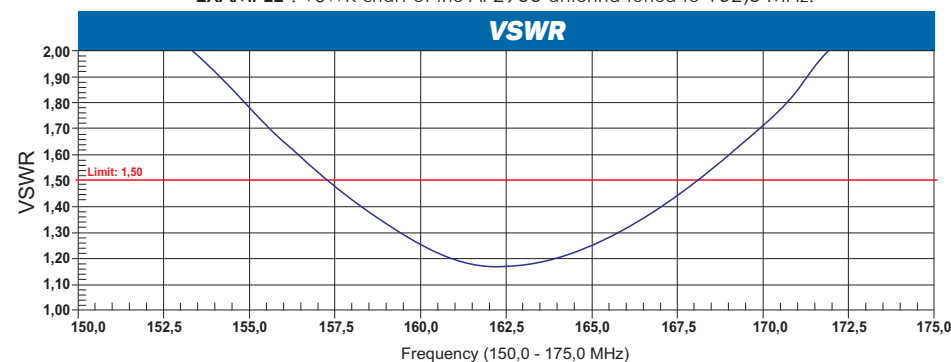
SPECIFICATIONS

FREQUENCY	132 - 900 MHz
MAXIMUM POWER	100 W
IMPEDANCE	50 Ω
VSWR	≤ 1,5:1
GAIN	2,15 dBi
HEIGHT	530 mm
WEIGHT	280 g

CUTTING TABLE

Frequency (MHz)	Length (mm)	Frequency (MHz)	Length (mm)
132	510	250	274
135	500	258	264
137	490	268	255
140	484	279	245
143	478	289	236
145	474	302	224
150	463	315	215
152	459	332	204
155	453	345	196
160	441	365	183
163	434	383	175
166	423	407	164
170	408	420	158
175	398	455	145
178	389	485	136
183	379	550	118
187	370	600	109
193	360	640	100
198	349	657	94
206	338	697	80
212	328	734	78
217	317	770	75
224	306	800	73
232	296	850	70
240	286	867	67
		900	62

EXAMPLE : VSWR chart of the AP2966 antenna tuned to 162,5 MHz.



Steelbras Antenas reserves the right to change the technical data in its datasheets without prior notice.
This antenna does not require ANATEL Certification and Approval, under Act No. 7280, of 26 September 2020.

Cut the stainless rod to the required length for the desired frequency according to the table.