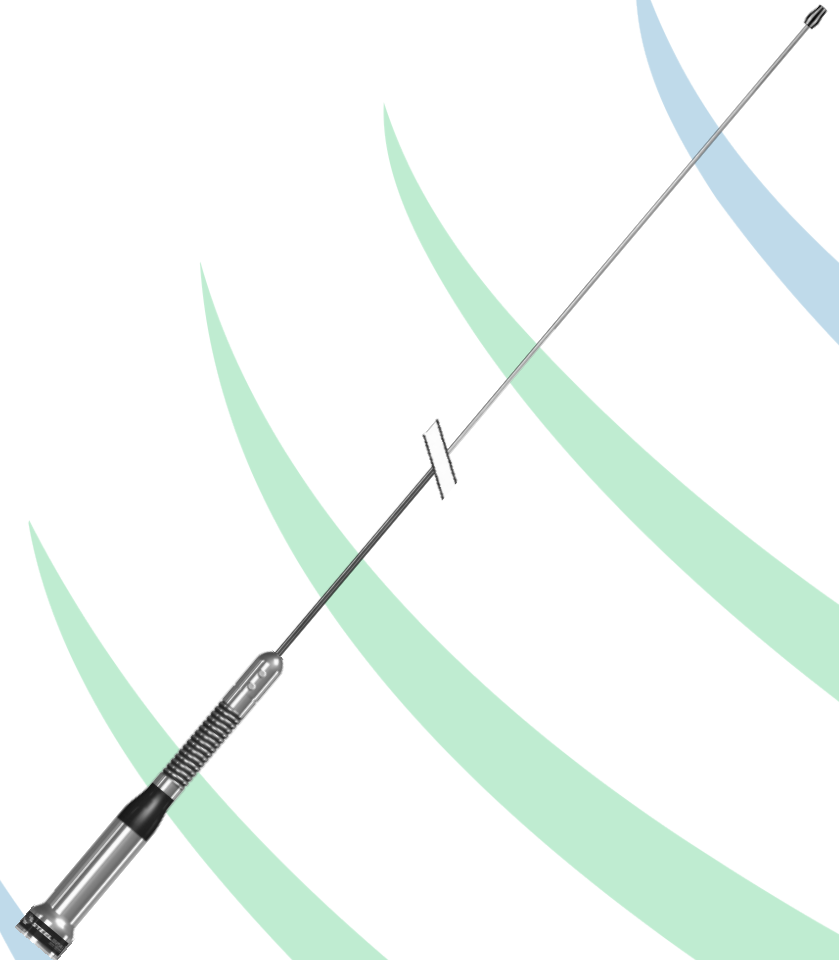


**VHF MOBILE ANTENNA 5/8 WAVE
SLIM BOLD WITH SPRING UHF BASE**

AP8689



Av. Cidade Fukuyama, 725 - CEP 19064-210 - Presidente Prudente - SP

www.steelbras.com.br



13/01/2025



steelbras[®]
soluções em antenas

VHF MOBILE ANTENNA 5/8 WAVE SLIM BOLD WITH SPRING UHF BASE

TECHNICAL DATA

The **AP8689** "SLIM BOLD" is a VHF antenna with a high-efficiency base coil, sturdier than the traditional Slim model, providing greater mechanical strength, wider bandwidth and higher RF power handling. Designed to operate in the 2 meter band (134-174 MHz). Made of high-quality stainless steel and chrome-plated brass, the **AP8689** has an international-standard coaxial connector for easy mounting on brackets with female UHF connectors, a gold-plated center pin and a silicone washer that keeps moisture out between the connector and the antenna. Its "SLIM" shape offers lower wind resistance and its shielded coil prevents interference from nearby metal that could impair performance. With the spring at the base, the assembly withstands impacts better, delivering excellent cost-effectiveness.

SPECIFICATIONS

FREQUENCY	134 - 174 MHz
MAXIMUM POWER	200 W
IMPEDANCE	50 Ω
VSWR	$\leq 1,5:1$
GAIN	5,15 dBi
HEIGHT	1340 mm
WEIGHT	247 g



SUGGESTED ACCESSORIES



AP1733

BLACK BI-ARTICULATED
TRUNK MOUNT



AP3733

BLACK BI-ARTICULATED
GUTTER MOUNT



COAXIAL CABLE W/ CONNECTOR
FOR GUTTER/TRUNK MOUNT 5 M
AND MINI UHF CONNECTOR.

AP1580

95% SHIELD-UHF

AP1673

95% SHIELD-MINI UHF



AP2075

MAGNETIC MOUNT 100mm
BLACK 5,5 m CABLE

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 metal surface with a radius of at least 1/4 wave plus 5% at the desired frequency.

ATTENTION: For every whip cutting length in the table below, allow for the fitting into the tip. Add + 25mm, as the lengths given refer to the antenna assembled as shown in the figure alongside.

For best results, always use an SWR meter (WATTMETER). The reflected signal must not exceed 1,5:1 or 4% of the forward power.

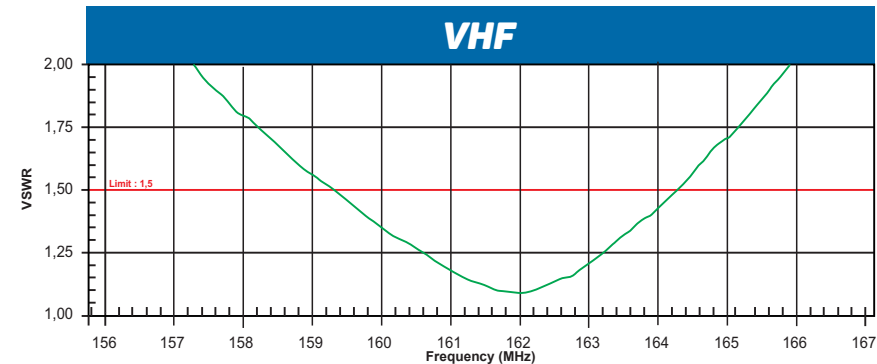
CUTTING TABLE

Frequency (MHz)	Length (+ 25mm)
134 MHz	1224 mm
136 MHz	1202 mm
138 MHz	1181 mm
140 MHz	1155 mm
142 MHz	1128 mm
144 MHz	1104 mm
145 MHz	1092 mm
146 MHz	1080 mm
147 MHz	1066 mm
148 MHz	1052 mm
150 MHz	1036 mm
152 MHz	1020 mm
154 MHz	1006 mm
156 MHz	988 mm
158 MHz	966 mm
160 MHz	948 mm
162 MHz	929 mm
164 MHz	910 mm
166 MHz	896 mm
168 MHz	882 mm
170 MHz	867 mm
172 MHz	853 mm
174 MHz	839 mm

FREQUÊNCIAS PARA
AMATEUR RADIO

EXAMPLE:

See below the VSWR chart of a AP8689 antenna tuned to 162 MHz.



A 2mm Allen key is required to adjust the antenna (not included).

