

ARTICULATED UHF DISGUISED MOBILE ANTENNA 5/8 WAVE

AP32991



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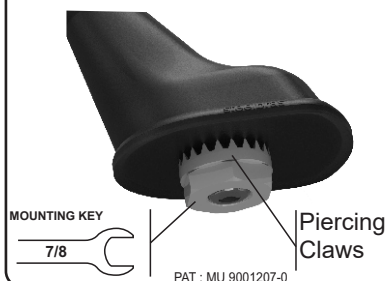
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soluções em antenas

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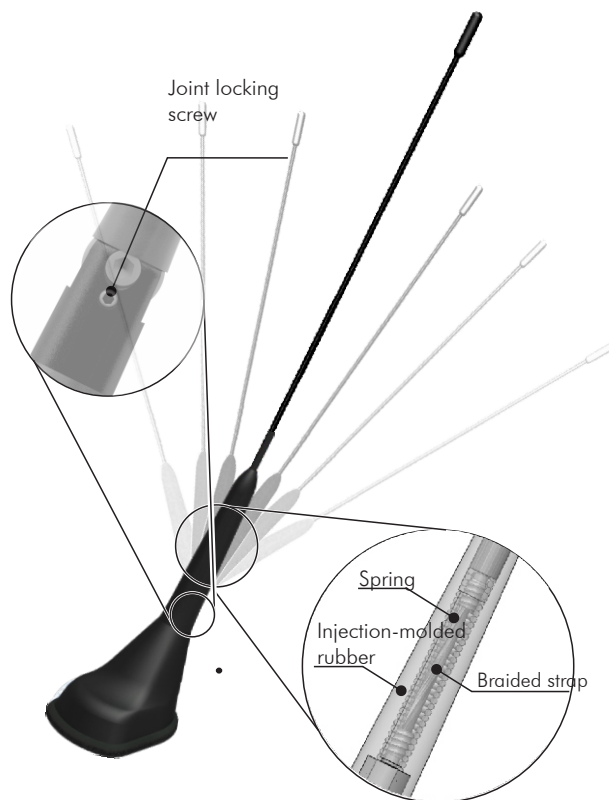
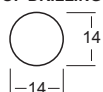
This disguised antenna was designed to operate as a mobile radio transceiver station at frequencies from 380 to 530 MHz (UHF band), for use on unmarked vehicles that must not be recognized as using a radio communication antenna. Discreet, with a design similar to FM antennas but with high efficiency in RF transmission and reception. It has a high-deformation sealing rubber resistant to ozone, weather and chemicals, and gold-plated internal components. If the vehicle already has an FM antenna hole, it can be installed in the same spot using the existing hole. With the spring, the assembly gains greater mechanical strength, avoiding damage under severe use and delivering excellent cost-effectiveness.

GARRAS PERFURANTES (Patented)

The exclusive piercing-claw system makes installation easier on vehicles with sheet metal up to 1,5 mm that have thermal, acoustic or structural roof lining, with no need for scraping to obtain the grounding required for proper operation.



ROOF DRILLING



TECHNICAL DATA

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.

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

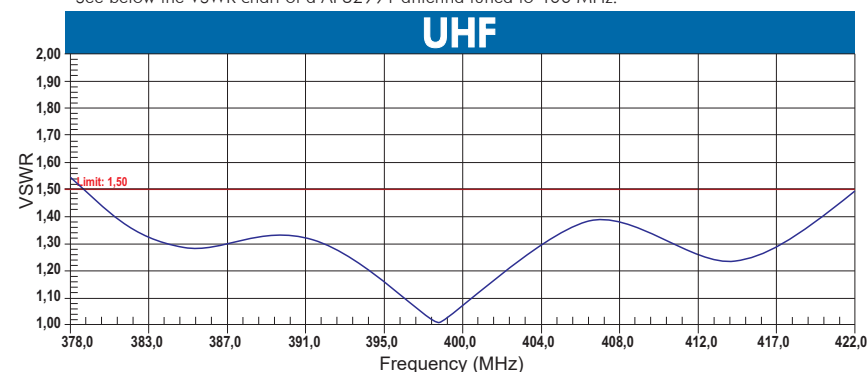
TUNING TABLE	
Frequência (MHz)	(L mm)
380	498
390	475
400	468
410	455
420	439
430	418
440	406
450	398
460	392
470	381
480	368
490	350
500	344
510	338
520	333
530	310

SPECIFICATIONS

RF	
FREQUENCY	380 - 530 MHZ
MAXIMUM POWER	100 WATTS
IMPEDANCE	50 OHMS
VSWR	≤ 1,5:1
VHF BANDWIDTH	8 MHZ
GAIN	5,15 DBI
CABLE	RG58 95% 5 M
HEIGHT	540 MM
WEIGHT	365 G

EXAMPLE:

See below the VSWR chart of a AP32991 antenna tuned to 400 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.