

**ARTICULATED UHF TETRA DISGUISED MOBILE
ANTENNA 5/8 WAVE BNC + GPS**

AP33993



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soluções em antenas

ARTICULATED UHF TETRA DISGUISED MOBILE ANTENNA 5/8 WAVE BNC + GPS

This disguised antenna was designed to operate as a mobile radio transceiver station at frequencies from 380 to 420 MHz, 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.

INSTALLATION

PIERCING CLAWS

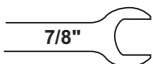
(Patented)

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



PAT : MU 9001207-0

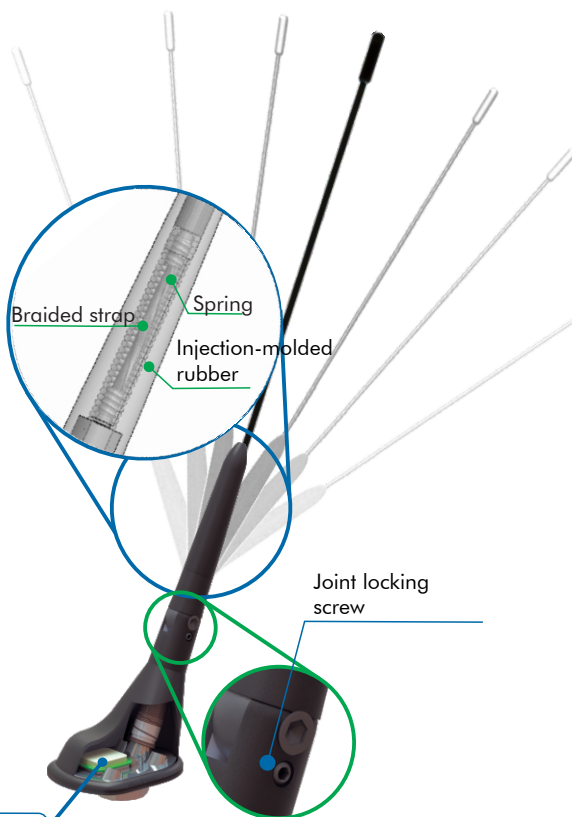
KEY FOR MOUNTING



DRILLING OF THE ROOF

14mm

INTEGRATED GPS



TECHNICAL DATA

IMPORTANT

During installation, remove burrs from drilling the roof to avoid damaging the cables. Then apply a coat of phosphating primer to the freshly drilled hole to prevent rust.

This antenna may require fine tuning of the whip depending on the installation site. We therefore recommend using a VSWR meter when installing the antenna.

SPECIFICATIONS

RF

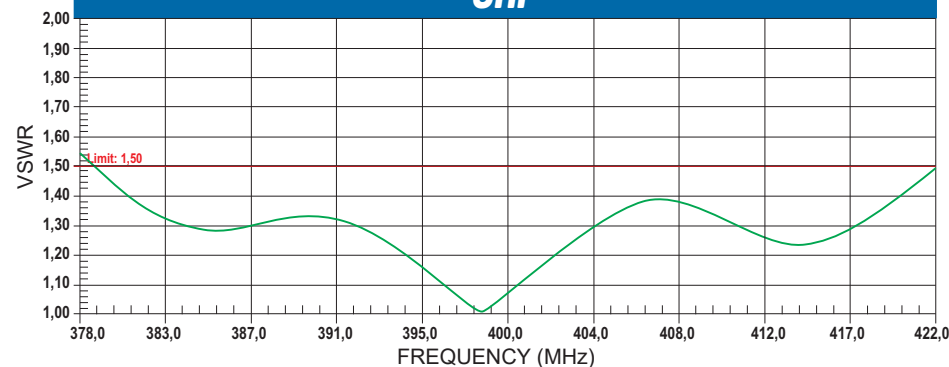
FREQUENCY	380 - 420 MHz
MAXIMUM POWER	100 W
IMPEDANCE	50 Ω
VSWR	$\leq 1,5:1$
GAIN	5,15 dBi
HEIGHT	495 mm
WEIGHT	465 g

GPS

FREQUENCY	1575,42 ± 3 MHz
MAXIMUM POWER	2,2 - 5V
VSWR	$\leq 1,5:1$
IMPEDANCE	50 Ω
LNA GAIN	28 dB
CURRENT	5 - 15 mA



UHF



¹Steelbras Antenas reserves the right to make technical changes to the data in its datasheets without prior notice.

²This antenna does not require ANATEL Certification and Approval, under Act No. 7280, of 26 September 2020.