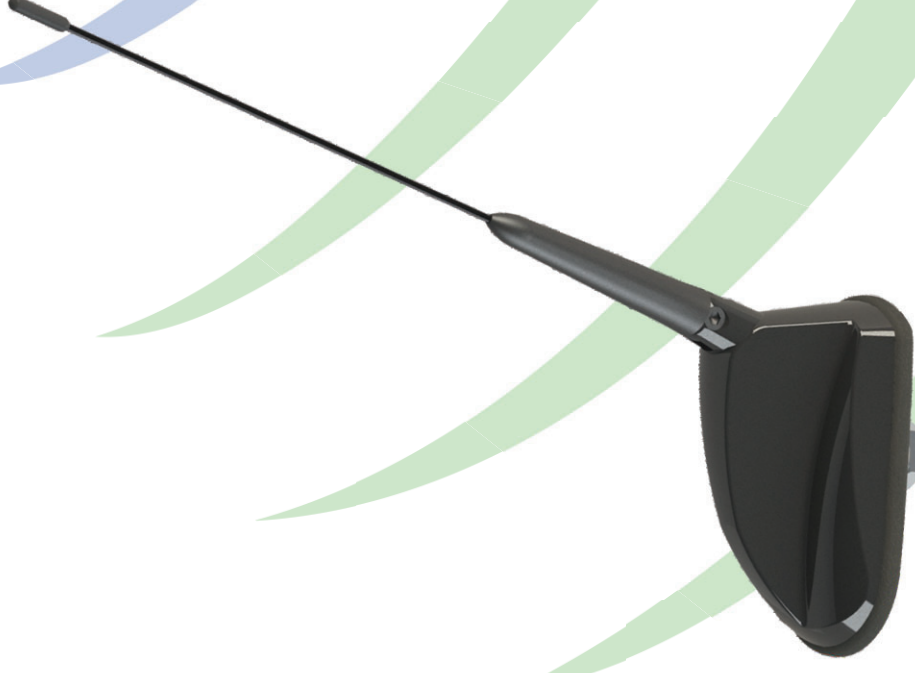


**UHF TETRA SHARK MOBILE ANTENNA  
INTEGRATED - GPS/GPRS**

**AP22504**



**steelbras**<sup>®</sup>  
soluções em antenas

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



[www.steelbras.com.br](http://www.steelbras.com.br)

18/03/2025

# UHF TETRA SHARK MOBILE ANTENNA INTEGRATED - GPS/GPRS

**AP22504** is a multi-function antenna that operates in UHF, GPS and GPRS bands. Shark style with multiple functions in the same antenna, its discreet design is suitable for public safety, industrial and transport applications, offering robustness and efficiency. Its single-hole mounting makes installation easier, reduces damage to the vehicle, installation time, cost and visual impact, while protecting the vehicle's resale value. It has an efficient sealing system that prevents moisture from damaging its operation. Its flexible, articulating rod allows the aerial to be installed on the front or rear of vehicle roofs, adjusting the angle of inclination for best performance in relation to the roof's ground plane.

## INSTALLATION

### PERFORATING CLAWS (Patented)

The exclusive system of piercing claws makes it easy to install in vehicles with maximum 1.5mm sheet metal that has a thermal, acoustic or structural coating on the roof, so there is no need to scrape it off to obtain the necessary grounding for it to work properly.



PAT : MU 9001207-0

**PERFORATING  
CLAWS**

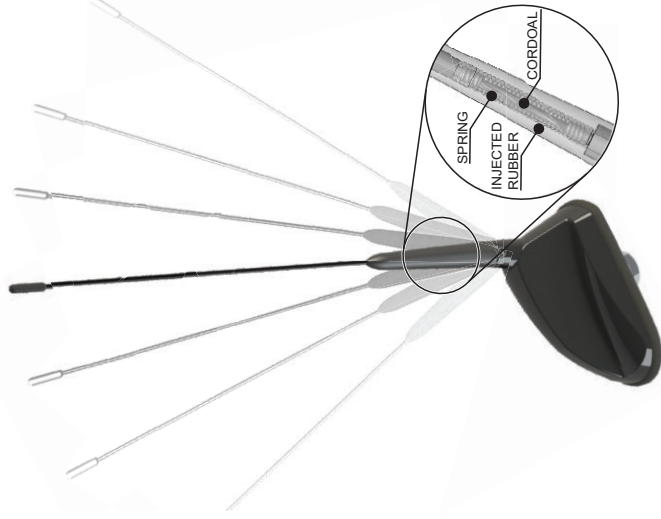
**DRILLING  
THE CEILING**

11/16"  
18mm

**SPANNER  
FOR FIXING**



15/16"



## SPECIFICATIONS

### TETRA

FREQUENCY	380 - 400 MHz
MAXIMUM POWER	100 W
IMPEDANCY	50 Ω
VSWR	≤ 1,5:1
GAIN	5,15 dBi
HEIGHT	453 mm
WEIGHT	622 g

### GPS

FREQUENCY	1575,42 ±3 MHz
POLARIZATION	CIRCULAR RHCP
IMPEDANCY	50 Ω
VSWR	≤ 1,5:1
TENSION	2,2 - 5 V
CURRENT	5 - 15 mA
GAIN LNA	28 dB

### GPRS

FREQUENCY	800/900/1800 /1900MHz
GAIN	5/7/3/3 dBi

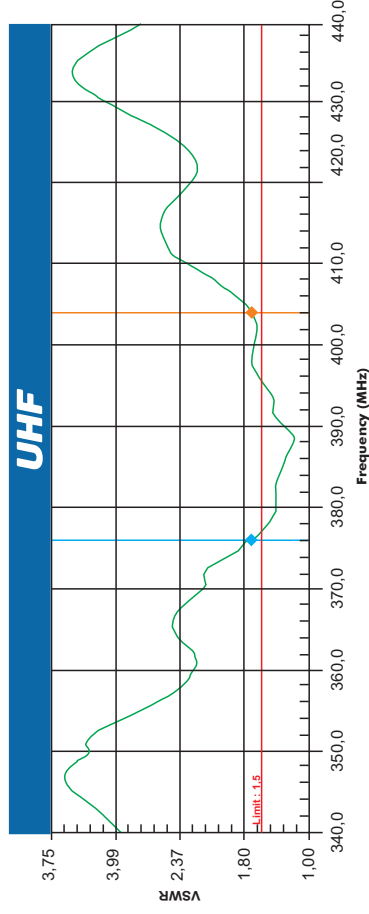


## IMPORTANT

When installing, remove any burrs from drilling the ceiling to avoid damaging the cables. Then apply a coat of phosphatising primer to the newly drilled hole to prevent rust.

**NOTE:** The cable and termination are assembled according to project requirements.

**EXAMPLE:** See below for the VSWR graph of an AP22504 antenna set to a frequency of 380 to 400 MHz



To obtain the best results, use an R.O.E. meter. Steelbras Antenas reserves the right to make technical changes to the technical description data without prior notice.



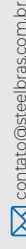
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