

General Description

- Manpack folding whip antenna
- HF frequency 1.6-30 MHz
- Glass fibre reinforced plastic (GRP) tube sections
- Quick deployment

Application

The 896E folding whip antenna is intended for mounting on existing AN/PRC, TRPP 13, TRC 300 or similar new generation HF military or paramilitary transportable and portable (manpack) transceivers.

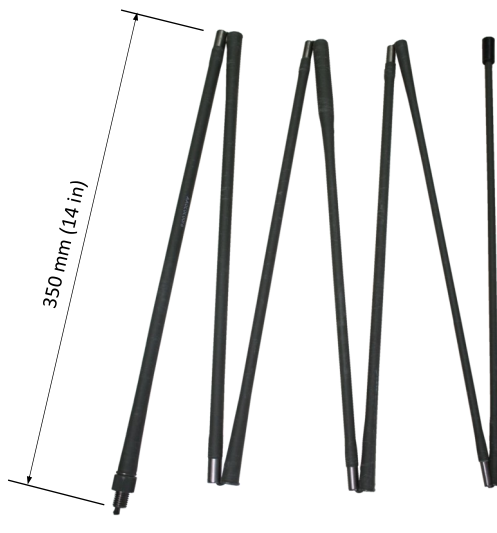
References (NSN)

896E = AN 224B = NATO 5985 14 275 0982

Construction

The antenna sections are manufactured from glass fibre reinforced plastic (FRP) inside which a braided conductor is encased. The ferrule joints are manufactured from polished brass in the standard version with an optional plating protection process available on request.

The whip is deployed by each section locking into each other automatically by means of an elastic cord situated inside the antenna. Unlike cord and spring folding whips, the use of an elastic cord enables the whip to be folded from either end.

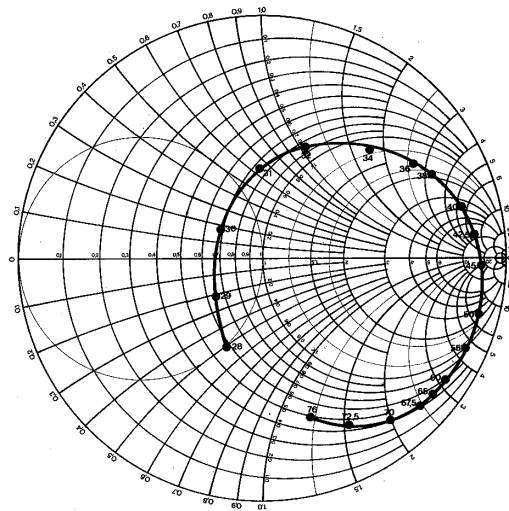


Electrical Specification

Frequency range	1.5-30 MHz
Polarisation	Vertical
Peak Power	100 W
Resistance	0.5 W max.
Input Impedance	See curve

Mechanical Specification

Total length	2640 mm
Folded length	350 mm
Number of sections	8
Weight	0.3 kg
Connection	5/8-18 UNF 2B
Designation	AN 224B
Interchangeable with	AT 271 A/PRC



Smith diagram, calibrated in MHz, of 896 E antenna mounted on artificial ground plane (4m²)

