



20-30-45
Portable Tactical
UHF Antenna
225 to 450 MHz

FEATURES

- **Lightweight, portable**
- **Rapidly deployable**
- **Can be magnetically or tripod mounted**
- **Folds up for stowage and transportation**
- **50 Watts CW**
- **Wide bandwidth**
- **Designed to MIL-STD-810 environmental conditions**
- **Integral Ground Plane**



The 20-30-45 is a light-weight, foldable rapid deployment UHF antenna designed for missions requiring 225 - 450 MHz line-of-sight operation.

The antenna comprises a monopole element on a fold down ground plane formed by 8 “scissor arms” fitted to the antenna base. A ball and socket arrangement at the antenna base allows for deployment either on a magnetic mount or a lightweight tripod - both of which are supplied with the antenna in a lightweight carry bag.

For fixed vehicular use, the magnet mount is drilled to suit standard CECOM 4 hole fixing pattern.

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SPECIFICATIONS

Cooper Antennas Model 20-30-45 Portable Tactical UHF Antenna

ELECTRICAL

Frequency	225 - 450 MHz
Gain (typical)	+2 dBi
VSWR	3.5:1 max, 3.0:1 typical.
Impedance (nominal)	50 Ohms
Power	50 Watts CW
Polarization	Linear - vertical when vertically mounted
Antenna Connector	BNC Male
Environmental	Generally in accordance with MIL-STD-810E
RF Cable	1 each 12 feet (3.6m)
RF Cable Connector	BNC Male and Female

MECHANICAL

Height on magnetic mount	23 inches (584mm)
Height on tripod	30 inches (762mm)
Deployed diameter	24 inches (610mm)
Stowed diameter	5.5 inches (140mm)
Base	5.5 inches (140mm) 4 holes on 4.5 inch (114mm) circle to CECOM standard pattern)
Weight	6 lbs (2.7kg)

FINISH

Black anodised/ lusterless black epoxy paint and black composite material

Supplied complete with 19 inches (483mm) by 6 inches (152mm) carry bag

**Note: Cooper Antennas Ltd has a policy of continuous product improvement and data herein is therefore subject to change.
Please check with Cooper Antennas Ltd that this data sheet is at latest issue before initiating contract activity.**