

AN-17 MOBILE MAST

DESCRIPTION:

The AN-17 mobile mast is intended both for short-term and long-term use as a carrier of specific equipment up to 350 kg, in particular of the antenna superstructures. The base of the antenna carrier is created by a trailer with mechanism for horizontal levelling and the platform is placed on this trailer. On the platform, there are mounted the steel telescopic tube erecting and extensible mechanism, driving elements, mast securing, supporting system, cases with entire accessories and electrical energy source.

POSSIBLE USE:

- Carrier of mobile wind power plants, camera systems, lighting sets, special antenna superstructures (mobile operators).

OPERATIONAL CONDITIONS:

- resistence against wind impact at maximum height in operating position:
 - functional up to 30 m.s^{-1} (108 km.h^{-1})
 - non-functional up to 40 m.s^{-1} (144 km.h^{-1})
- operating temperatures -32°C to $+44^\circ\text{C}$

BASIC TACTICAL AND TECHNICAL DATA:

- dimensions and weight of AN-17 in transport position:
 - total length 8 545 mm
 - total width 2 545 mm
 - total height 2 930 mm
 - total weight 8 500 kg
- maximum height:
 - in operating position cca 17 m ((up to the antenna unit flange)
 - in starting position cca 6,8 m
- mast load capacity 350 kg
- loading active area cca 2 m^2
- mast torsion in point of antenna unit manipulator max. $\pm 0,75^\circ$
- mast tilt angle in point of antenna unit manipulator max. $\pm 1,5^\circ$
- slope angle for deployment max. 7°
- time for deployment max. 1 h
- operating personnel 3 persons
- transport speed:
 - on the road 80 km.h^{-1}
 - off road 18 km.h^{-1}

