

Description

This rod antenna features a tilting device and is easily detachable (i.e. can be unscrewed at the base). At the same time, the STA 50 HV / K is rugged and ideally suited for maritime mobile services. It features the proven ELNA quality and reliability even in most demanding environments.

Installation

Please find a freestanding mounting position with as little as possible obstruction and no near-by metallically conducting constructions.

Whenever possible, install the antenna in a sloping position (about five degrees to the vertical). In this way the rotary motion of the antenna is being reduced remarkably during pitching and heeling in heavy sea.

Safety precautions

Prior to installing the antenna, make sure that the antenna is not connected to any radio transmitter. The metallic tilting device and the union nut are under voltage when transmitting. Hence, it is pivotal to apply the contact protection "S" ("Sea") when the antenna rod is mounted. Whenever the antenna rod is detached, apply the contact protection "H" ("Harbour").

Maintenance and service

The antenna STA 50 HV / K is virtually maintenance-free. The antenna shall be cleaned by using sweet water. In case of heavy oily contamination, soft cleaners (detergents) may be added.

The fixing bolts of the antenna base, the union nut and the RF connection should be yearly checked for tight fastening.

STA 50 HV / K – Tiltable and detachable antenna

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Technical specifications

Construction:	self-supporting rod antenna
Frequency range:	1.5 – 30 MHz (transmit) 0.1 – 30 MHz (receive)
Polarization:	vertical
Horizontal pattern:	omnidirectional
Insulation resistance:	> 10 MΩ
Operating temperature:	-40° C ... + 70° C
Relative humidity:	100 %
Length:	5100 mm ± 30 mm
Weight:	c. 6 kg
Color:	RAL 7035 (other colors on request)
Material:	Antenna rod: glassfibre reinforced polyester resin) Tilting base and fittings: Stainless steel (1.4571)
Wind speed:	max. 200 km/h
Mounting flange:	See diagram A-A below
Connection:	Cable terminal

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