

Product Information

VHF Transmit-Receive Antenna STA ISF

The STA ISF is a transmit and reception antenna designed for the frequency range 156 MHz - 162 MHz. The permissible power to the antenna is 100 watts. About the robust construction and the use of weatherproof materials this antenna can be used under extreme environmental conditions.

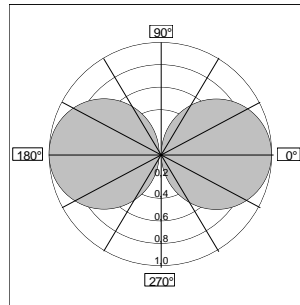
Technical Data

Parameter	Data
Application	Transmit-receive antenna
Characteristic	Vertically polarized omnidirectional antenna
Colour	RAL 7000
Wind load	200 N
Bending moment	100 Nm at 250 km/h (max. wind speed 250 km/h)
Mounting	4 screws M8
Ambient temperature	-40°C...+60°C
Storage temperature	-50°C...+80°C
Relative humidity	100 %
RF connector	N Socket
Frequency range	156 - 162 MHz
Input impedance	50 Ω VSWR ≤ 1,6
Permissible power acceptance	100 W
Gain	2,15 dBi
Horizontal diagram	omnidirectional

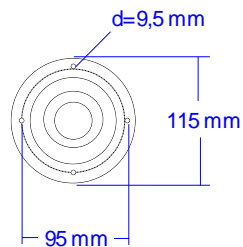
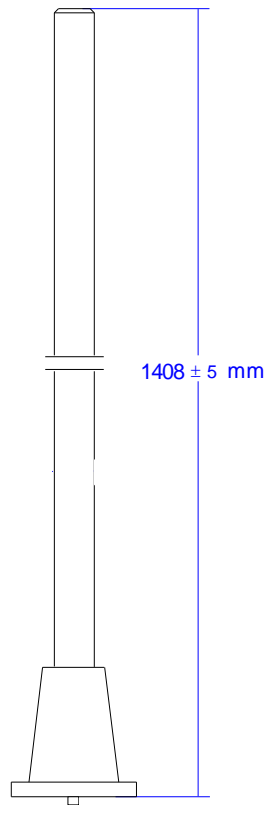
Data given without tolerance are typical values.
 Design and specification are subject to change without prior notice, errors excepted.



Vertical Diagram



Dimensions and Weight



STA ISF
1,7 kg

Scope of Supply

Pos.	Description
1	VHF Antenna STA ISF
2	Accessory Set ZS 8

Accessories

Type Designation	Part No.	Description
ZS 8	0028.3708.00	Accessory set consisting of <ul style="list-style-type: none"> - 1 ea. N male plug Part No. ST.0015 - 1 ea. Rubber sleeve for N plug black Part No. A.0047 - 1 ea. Flat Gasket 6 Part No. 0002.3001.05

Variants and Order Information

Type Designation	Part No. NSN	Description
STA ISF	0002.3000.00 5985-12-159-0499	VHF Antenna
STA ISF/RAL 7001	0002.3101.00 ---	VHF Antenna, colour RAL 7001
STA ISF/RAL 7032	0002.3100.00 ---	VHF Antenna, colour RAL 7032
STA ISF/RAL 7040	0002.3102.00 ---	VHF Antenna, colour RAL 7040
STA ISF/RAL 7046	0002.3103.00 ---	VHF Antenna, colour RAL 7046

Other variants are available on request.

Options

Option	Part No. NSN	Description
RAL Colour Code	depends on RAL colour code	Painting in RAL colour according to customer specification

Other or customer specific options are available on request.