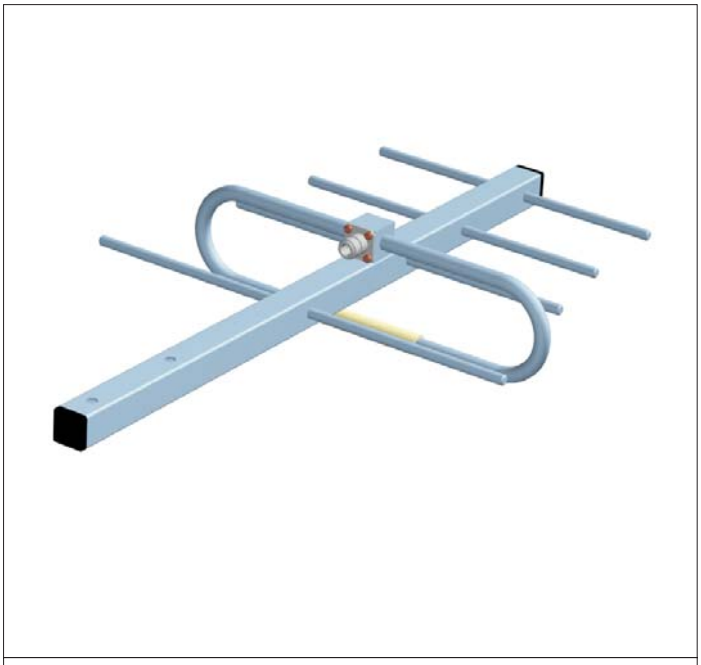
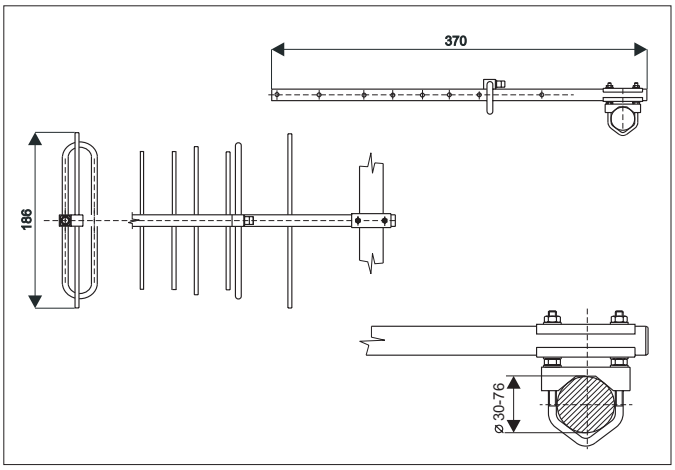
Directional Antennas SA800.5





The antenna SA800.5 is designed for base radiostations working in bands of 800-900 MHz. It can be used for receiving and transmitting till 200 W. The antenna has a directional radiation pattern, is broadband and that is why it is suitable for duplex operations.

Constructionally it is designed as a five-element YAGI, made of aluminium alloy and on the surfase it is covered by polyester colour. During the lightning strike the antenna is protected by a galvanic connection with the tower. The wind resistance is 150 km/h.

The antenna is connected to the coaxial cable by the coaxial plug "N" type which is soled together with this antenna.

ELECTRICAL PARAMETERS	
Frequency range [MHz]	800-900
Gain [dBd]	6-6.9
F/B ratio [dB]	min.20
Radiation angle in E-plane [°]	60-64
Radiation angle in H-plane[°]	88-100
VSWR	<1.8
Polarization	Vertical
Impedance [Ohm]	50
Max. Input power [W]	200
Antistatic protection	All metal parts DC-grounded (shows as DC-short)
MECHANICAL PARAMETERS	
Connection	N female
Wind Surface/ with 15 mm icing [m^2]	0.016 / 0.057
Wind Load/ with 15 mm icing [N]	25 / 91 @ 150 km/h
Length Boom/Driver [mm]	370/164
Weight [kg]	0.6
Mouting	Supplied with mast bracket suiting 30-76 mm dia.mast
RADIATION PATTERNS	
E-plane	029EA04
H-plane	003KA06

Radiation Patterns code is generated with VA99TOOL software