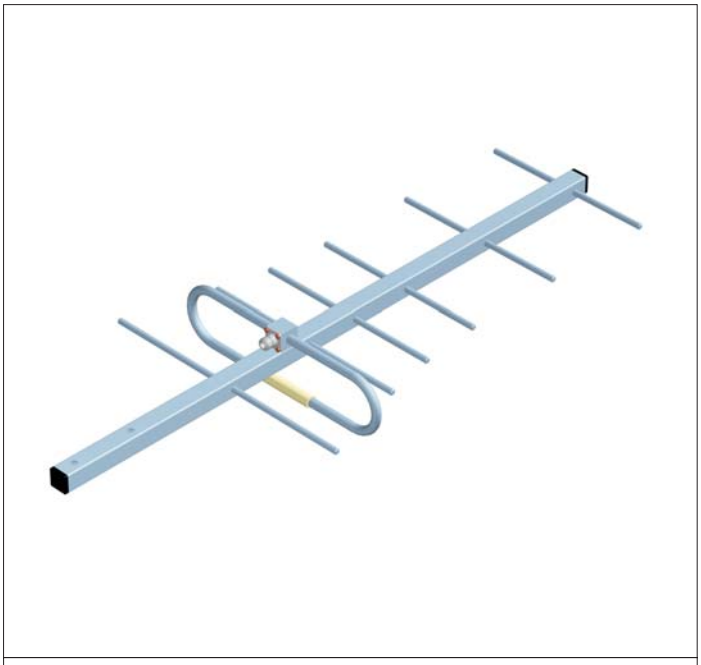
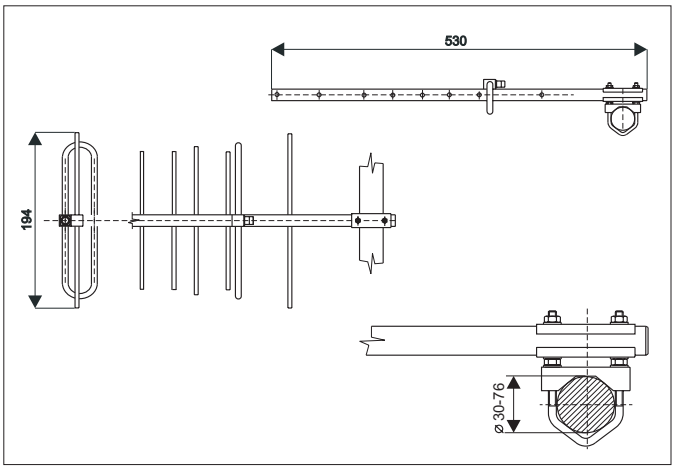
Directional Antennas SA800.7





The antenna SA800.7 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 seven-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]	7.6-9.0
F/B ratio [dB]	min.22
Radiation angle in E-plane [°]	50-57
Radiation angle in H-plane[°]	63-77
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]	0.027 / 0.089
Wind Load/ with 15 mm icing [N]	42 / 141 @ 150 km/h
Length Boom/Driver [mm]	530/166
Weight [kg]	0.8
Mouting	Supplied with mast bracket suiting 30-76 mm dia.mast
RADIATION PATTERNS	
E-plane	024EA04
H-plane	032EA09

Radiation Patterns code is generated with VA99TOOL software