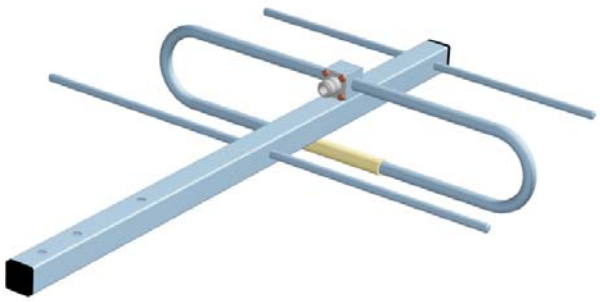
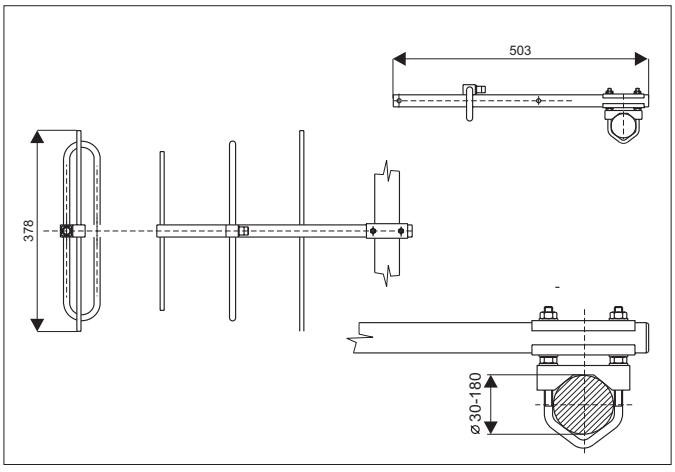
Directional Antennas SA410.3





The antenna SA410.3 is designed for base radiostations working in bands of 400-470 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 three-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]	400-470
Gain [dBd]	4.4-5.5
F/B ratio [dB]	min.18
Radiation angle in E-plane [°]	64-70
Radiation angle in H-plane[°]	116-137
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]	0.023 / 0.072
Wind Load/ with 15 mm icing [N]	35 / 113 @ 150 km/h
Length Boom/Driver [mm]	503 / 334
Weight [kg]	0.7
Mouting	Supplied with mast bracket suiting 30-76 mm dia.mast
RADIATION PATTERNS	
E-plane	036EA07
H-plane	066EB00

Radiation Patterns code is generated with VA99TOOL software