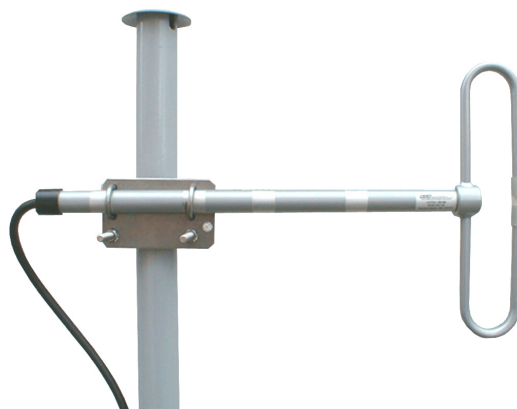


BO 320

DESCRIPTION

Antenna BO 320 is mounted to different diameters of masts by separately ordered antenna holders. Antenna holders are produced of stainless or hot dip zinc steel. They are fastened to the masts by stainless stirrup of U-shaped form and nuts. Antenna is possible to mount to the any part of mast. Influence of mast to radiation pattern is obvious from enclosed diagrams.

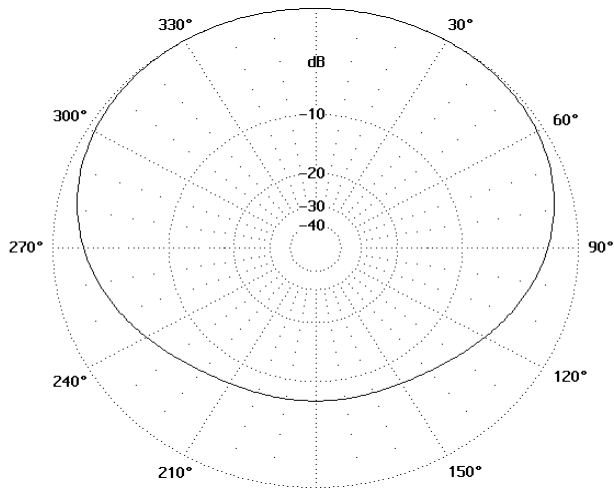
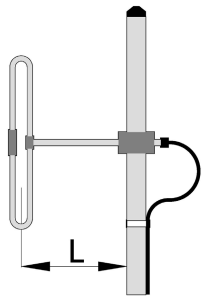


TECHNICAL SPECIFICATIONS

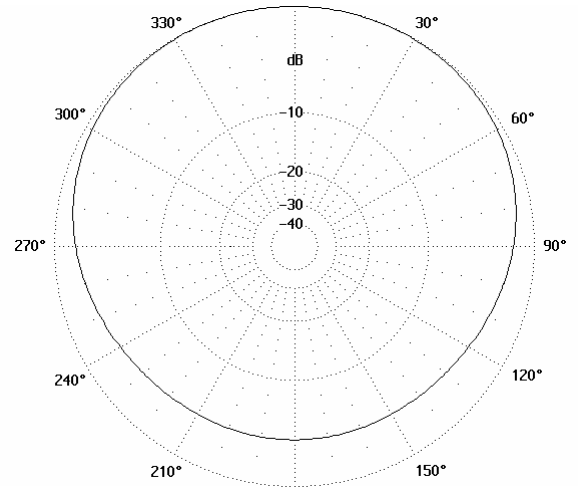
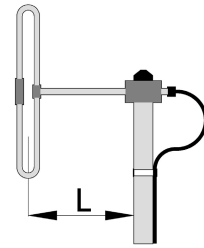
Type		BO 320
Frequency	MHz	370 ÷ 400
Gain in the front / back direction *	dBi	3.2 / -4.2
Gain in the side direction (90°, 270°) **	dBi	3.7
Radiation pattern (at * / **)		offset (omnidirectional with shift axis) / elliptic
Polarization		vertical
Impedance	Ω	50
VSWR		< 1.5
Max. input power	W	200
Grounding		All metal parts of antenna including the mounting kit are DC grounded
Material antenna		lacquered aluminium alloy, stainless steel
Antenna holder	mm	RCK 100 091 - \varnothing 35 ÷ 76 (standard) RCK 100 009 - \varnothing 60 ÷ 90 RCK 100 002 - \varnothing 90 ÷ 120
Material of holder		aluminium alloy, hot dip zinc steel, all screws and nuts: stainless steel
Weight of antenna / holder	kg	0.7 / 0.5
Max. wind velocity	km / hour	160
Wind load (at 160 km / hour)	N	31
Dimensions of antenna l x h	mm	580 x 362
Connector		type "N" – female

* The distance (L) from the mast $\lambda/4$ (~ 195 mm)

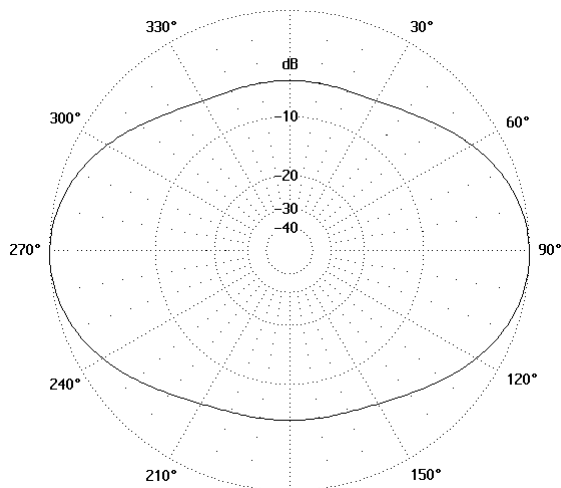
** The distance (L) from the mast $\lambda/2$ (~ 390 mm)



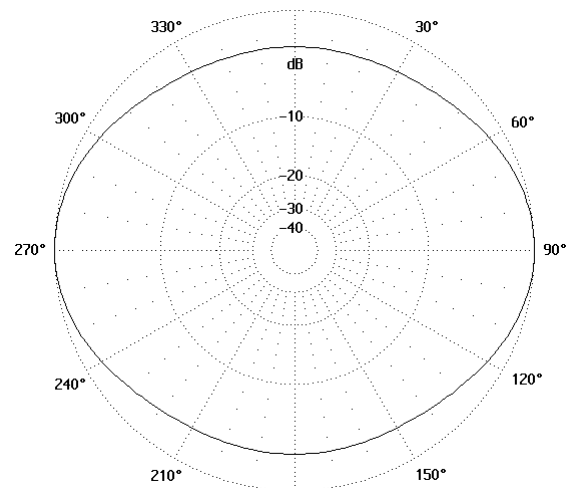
Radiation pattern – H plane
The antenna is installed in **the middle of the mast.**
The frequency of 385 MHz, $L = (\lambda/4)$ 195 mm*



Radiation pattern – H plane
The antenna is installed **on the top of the mast.**
The frequency of 385 MHz, $L = (\lambda/4)$ 195 mm*



Radiation pattern – H plane
The antenna is installed **in the middle of the mast.**
The frequency of 385 MHz, $L = (\lambda/2)$ 390 mm**



Radiation pattern – H plane
The antenna is installed **on the top of the mast.**
The frequency of 385 MHz, $L = (\lambda/2)$ 390 mm**