

# BASE OMNIDIRECTIONAL ANTENNA WITH THE ADVANTAGED DIRECTION OF RADIATION

## BO 80 BO 80A BO 80B

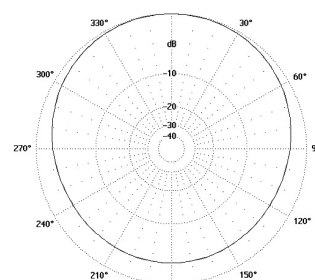
### DESCRIPTION

Antennas BO 80, BO 80A a BO 80B are 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 diagram.



### TECHNICAL SPECIFICATION

Type		BO 80	BO 80A	BO 80B
Frequency band	MHz	73 ÷ 84	66 ÷ 74	78 ÷ 89
Gain	dBi	max. 3.4		
Radiation pattern		offset (omnidirectional with shift axis)		
Front-to-back-ratio	dB	2.9		
Polarization		vertical		
Impedance	$\Omega$	50		
VSWR		< 1.7		
Maximum input power	W	300		
Grounding		All metal parts of antenna including the mounting kit are DC grounded. The inner conductor is coupled capacitively.		
Material of antenna		lacquered aluminium alloy, plastic		
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	1.6 / 0.6		
Max. wind velocity	km / hour	160		
Wind load (at 160 km / hour)	N	50		
Dimensions of antenna l x h	mm	732 x 1687	820 x 1907	732 x 1598
Connector		type "N" – female		



Radiation pattern – H plane