

BO 80

BO 80A

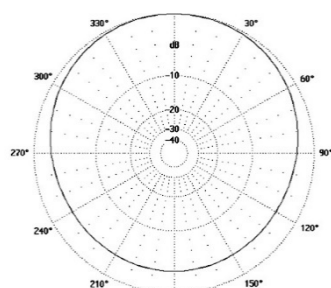
BO 80B



Description

BO 80, BO 80A and BO 80B omnidirectional base antennas are designed for mobile and data radio networks.

Antennas are mounted to different diameters of masts by separately ordered antenna holders. Antenna holders are made of stainless or hot-dip zinc steel. They are fastened to the masts by stainless U-bolt.



Radiation pattern – H plane

Technical Specifications

Type		BO 80	BO 80A	BO 80B
Frequency range	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	Ω	50		
VSWR		< 1.7		
Maximum input power	W	300		
Grounding		all metal parts of antenna including mounting kit are DC grounded, inner conductor is capacitively coupled		
Material of antenna		lacquered aluminium alloy, plastic		
Antenna holder	mm	RCAK 400 52 – \varnothing 35 ÷ 76 (standard)		
		RCAK 400 44 – \varnothing 60 ÷ 90		
		RCK 100 001 – \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		
Maximum wind velocity	km/h	160		
Wind load (at 160 km/h)	N	50		
Dimensions l × h	mm	732 × 1687	820 × 1907	732 × 1598
Connector type		N female		