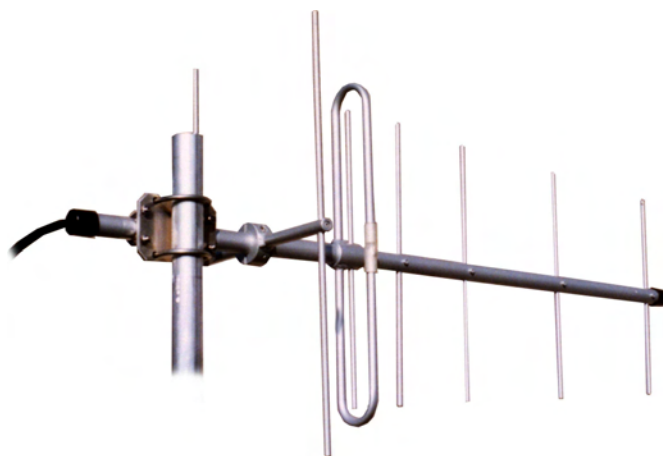


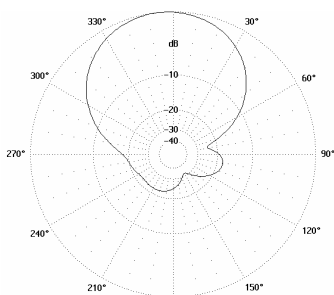
# BASE DIRECTIONAL ANTENNA



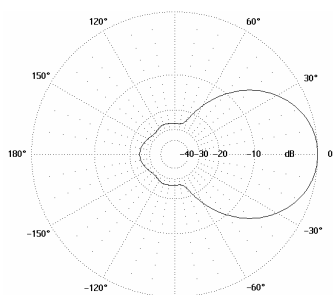
**BD 300**  
**BD 300A**

## TECHNICAL SPECIFICATION

Type		BD 300	BD 300A
Frequency range	MHz	300 ÷ 344	314 ÷ 352
Technical solution		YAGI	
Gain	dBi	9.5 ÷ 10.2	
Radiation pattern		directional	
Beamwidth H plane	°	71 ÷ 80	
Beamwidth E plane	°	54 ÷ 58	
Front-to-back ratio	dB	≥ 20	
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, plastic, stainless steel	
Antenna holder	mm	RCAK 400 43 – Ø 35 ÷ 76 (standard)	
		RCAK 400 53 – Ø 60 ÷ 90	
		RCK 100 000 – Ø 90 ÷ 120	
Material holder		aluminium alloy, hot dip zinc steel, all screws and nuts: stainless steel	
Weight antenna / holder	kg	1.4 / 0.5	
Max. wind velocity	km / hour	160	
Wind load (at 160 km / hour)	N	70	69
Dimensions of antenna l x h	mm	1031 x 507	1031 x 490
Connector		type "N" - female	



Radiation pattern – H plane



Radiation pattern – E plane