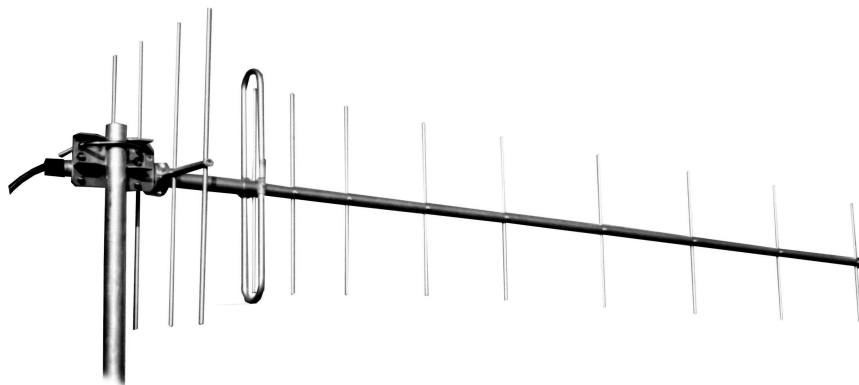


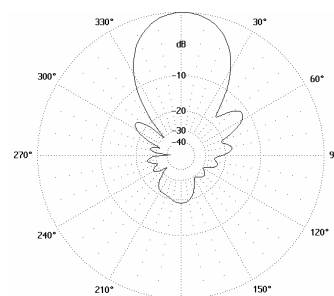
# BASE DIRECTIONAL ANTENNA

## BD 401 BD 401A

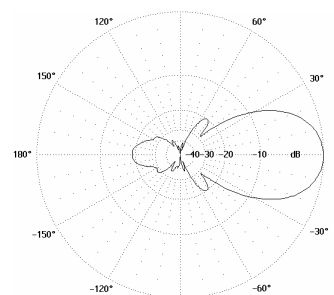


### TECHNICAL SPECIFICATION

Type		BD 401	BD 401A
Frequency range	MHz	440 ÷ 470	405 ÷ 435
Technical solution		YAGI	
Gain	dBi	10.5 ÷ 14.0	
Radiation pattern		directional	
Beamwidth H plane	°	42 ÷ 52	
Beamwidth E plane	°	39 ÷ 51	
Front-to-back-ratio	dB	18 ÷ 26	
Polarization		vertical	
Impedance	Ω	50	
VSWR		< 1.5	
Max. input power	W	150	
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	1.9 / 0.6	
Max. wind velocity	km / hour	160	
Max. wind load (at 160 km / hour)	N	98	106
Dimensions of antenna l x h	mm	1798 x 310	1926 x 335
Connector		type „N“ - female	



Radiation pattern – H plane



Radiation pattern – E plane