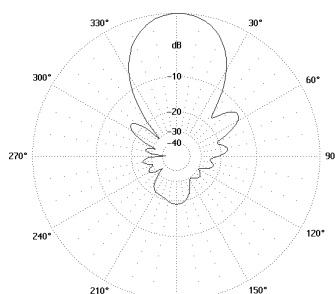
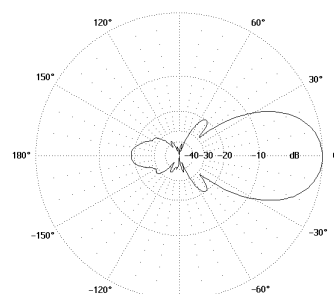


## Description

BD 401 and BD 401A directional base antennas are designed for mobile and data radio networks.



Radiation pattern – H plane



Radiation pattern – E plane

## Technical Specifications

Type		BD 401	BD 401A
Frequency range	MHz	440 ÷ 470	405 ÷ 435
Type of antenna		YAGI	
Gain	dBi	14	
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	
Maximum input power	W	150	
Grounding		all metal parts of antenna including mounting kit are DC grounded	
Material of 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 of holder		aluminium alloy, hot-dip zinc steel; all screws and nuts: stainless steel	
Weight of antenna / holder	kg	1.9 / 0.5	
Maximum wind velocity	km/h	160	
Wind load (at 160 km/h)	N	98	106
Dimensions l × h	mm	1798 × 310	1926 × 335
Connector type		N female	
Radiation patterns code		H-plane 026EA10 / E-plane 020EA13	