

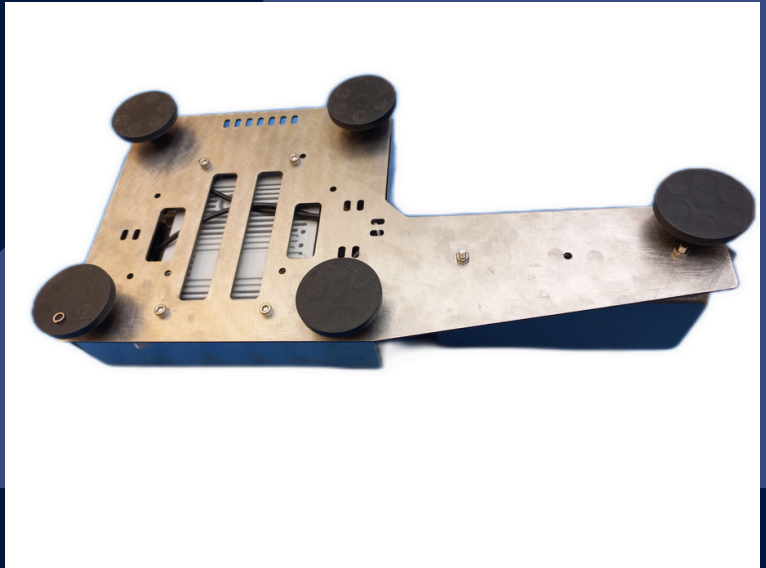
Prolix NGF2455-710BC Compact Circular Polarized Bidirectional FlatPanel Antenna

The Prolix NGF2455-710BC is the smaller counterpart of the NGF2455-1217BC, maintaining the same specifications but in a much more compact size. At a quarter of the size of its big brother, it's specifically designed for mounting on mobile machinery and fleet vehicles in underground tunnel environments.

This antenna is engineered to establish wireless communication with the NGF2455-1217BC, serving as a crucial link in the network. Its smaller size also allows it to provide wireless coverage in very small, low-profile tunnels and sections of the mine where the larger NGF2455-1217BC would be impractical.

Compatible with Rajant Hawk FE 1 2450, ES 1 2450 CS, Sparrow ME5 2450 CS, and the new Cardinal AG1, the NGF2455-710BC ensures reliable communication in both directions, contributing to seamless operations in underground environments.





Specifications Prolix NGF2455-710C

Model	Prolix NGF2455-710BC	
Suitable for	Rajant Hawk FE1 2450 / Sparrow ME5 2450CS / ES1 2450CS / Cardinal AG1	
Frequency	2.3 – 2.5 GHz band	5.15 – 5.85 GHz band
Gain	7.8 dBi nom	10.7 dBi nom
Feed network and split loss	3.4 dB	3.7 dB
Effective gain (Bi-directional)	4.4 dBic nom	7.0 dBic nom
Polarisation	Circular (RH & LH)	
Patterns		
Azimuth 3 dB Beamwidth	68 +/- 2 degrees	34 +/- 2 degrees
Elevation 3 dB beamwidth	72 +/- 1 degrees	70 +/- 1 degrees
Input impedance	50 Ohms	
VSWR	Maximum 2:1	
Maximum Input Power	20 Watt	
RF interface	N(f) RA connector x4	
External finish	Antenna: ABS Radome with Stainless Steel (304) Back plate.	
Colour	Light grey	
Bracket	Fixed Stainless steel (304). Customer dependant	
Dimensions (Ex Bracket)	265 x 150 x 80mm (WxHxT)	
Weight (Inc Bracket)	1.3 kg	