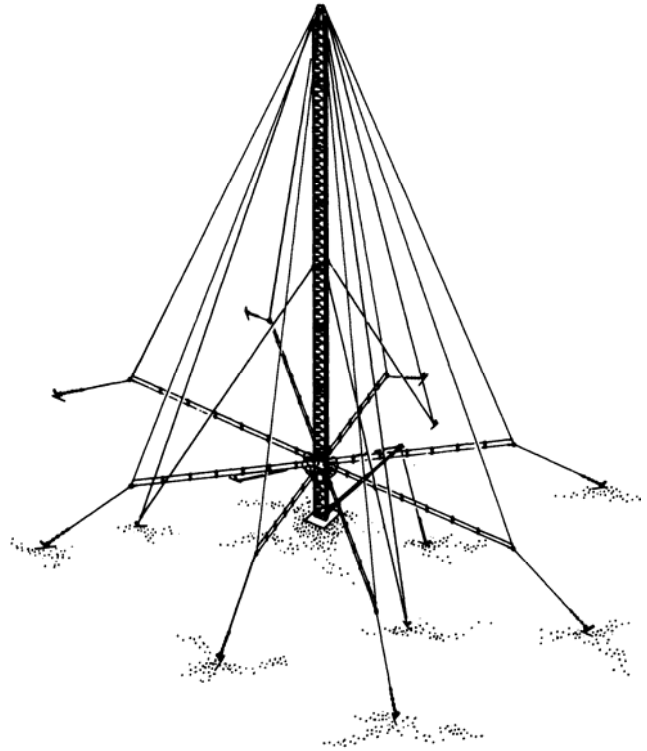


## HF Difan Antenna 1.6-30 MHz & 4.5-30 MHz

Types 1001-1002

The DIFAN is a wide band delta antenna designed to radiate high-angle skywave signals for short to medium range HF communications. It has a low angle takeoff at the higher frequencies to provide medium to long range capability. The DIFAN system is supplied with a single lightweight aluminium lattice support mast, guys, anchors and fixings. The antenna array is constructed of phosphor bronze comprising 3 pairs of delta travelling wave antennas linked, via a third terminating delta to a terminating load. This method of feeding and terminating the elements makes the antennas performance substantially independent of ground conditions therefore a ground screen system is not required. Optional items such as mast earthing kit, tool kit, falling derrick kit and aviation obstruction warning light are also available should they be required. Please ask for further details.



Electrical Specification	Model 1001	Model 1002
Frequency (Transmit):	1.6 – 16MHz	4.5 – 22MHz
(Receive):	1.6 – 30MHz	2.0 – 30MHz
Power:	1KW Average	1KW Average
VSWR (Max):	2.5:1	2.5:1
Input Impedance:	50 Ω	50 Ω
Input connector:	N	N
Polarisation:	Horizontal	Horizontal
<b>Mechanical Specification</b>		
Windspeed no ice:	160Km/h	160Km/h
Mast height:	14.8m	11.1m

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 Racal reserve the right to vary in detail from the description and specification in this publication.