

## YG-4470-9

Die YG-4470-9 ist eine YAGI Richtantenne, bestehend aus einem gespeistem Dipol mit einem Reflektor und 5 Direktoren. (6 Elemente)

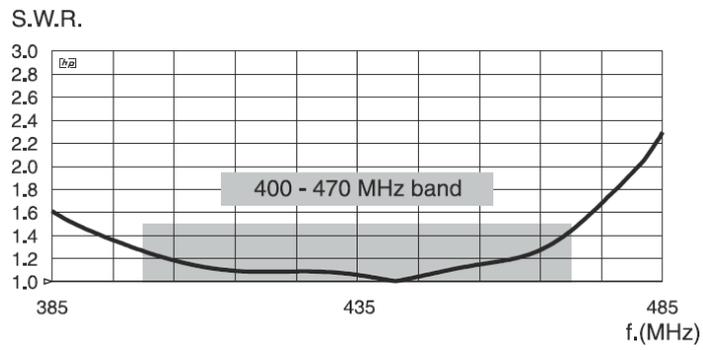
Die Antenne ist für Systeme im Frequenzbereich von 400-470MHz geeignet.



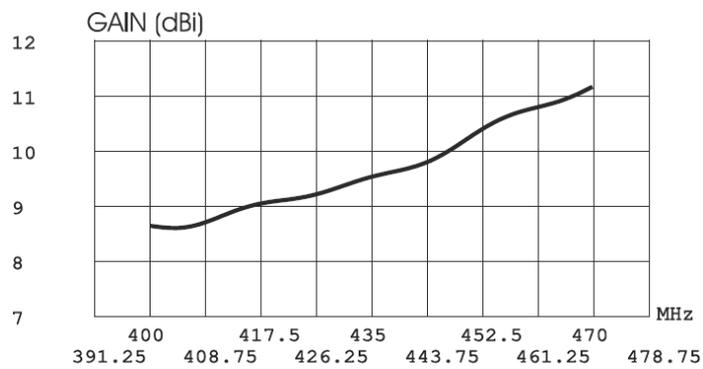
Electrical Data	YG-4470-9
Type	6 elements Yagi
Frequency Range @SWR <1.5	400-470 MHz
Impedance	50 OHM
Radiation (H-plane)	70°
Radiation (E-plane)	55°
Front to back ratio	>17 dB
Polarisation	Linear, Vertical or Horizontal
Gain	8.85 dBd - 11dBi
MAX Power	150 Watts
Grounding Protection	All metal parts are DC-grounded
Connector	N Jack (female) Connector

Mechanical Data	YG-TET-14
Material	Eloxiertes Aluminium (6063-T5) EPDM-Gummi verchromtes Messing
Windlast bei 150km/h	96 N
Luftwiderstand	150km/h
Windoberfläche	0.075 m <sup>2</sup>
Maße	1130x375mm
Biegeradius	1000mm
Gewicht	1490g
Betriebstemperatur	-40°C bis +60°C
Mastmontage	Durchmesser 35-52mm

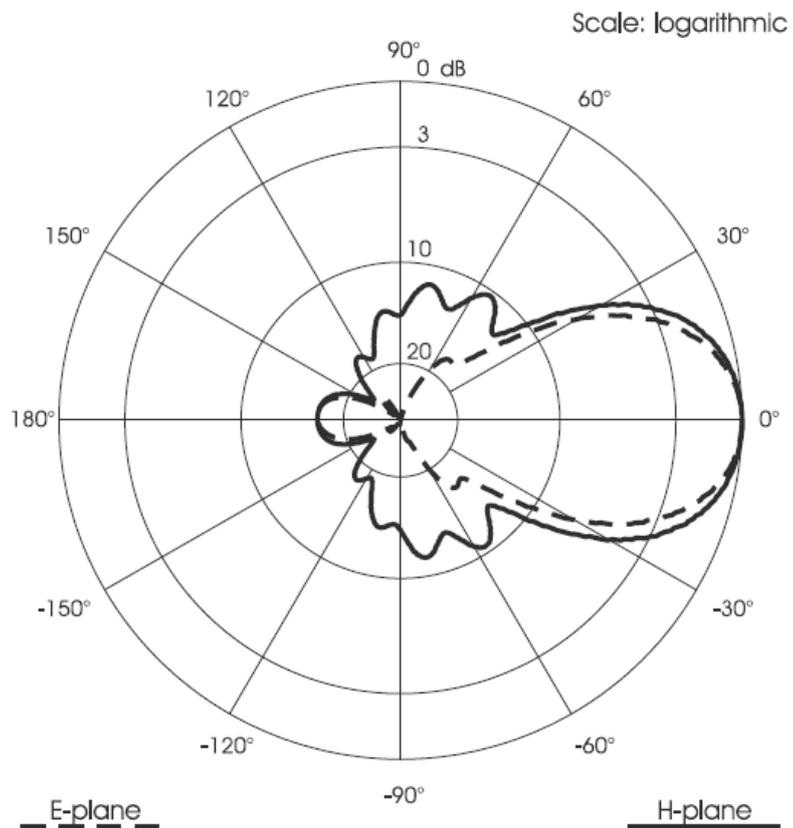
TYPICAL S.W.R. RESPONSE



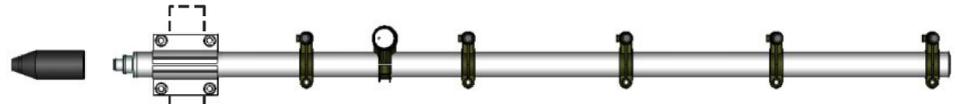
TYPICAL GAIN DIAGRAM vs FREQUENCY



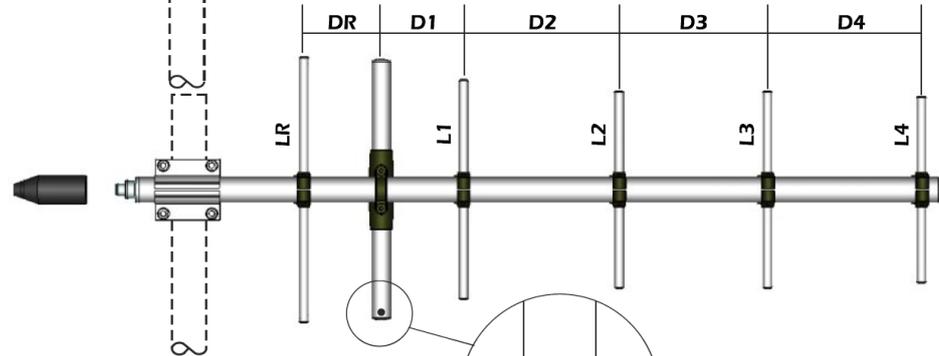
TYPICAL RADIATION PATTERN at mid-band



Correct mounting  
for horizontal  
polarization



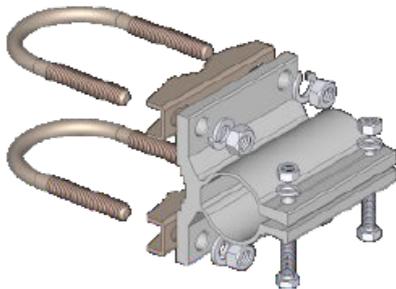
Correct mounting  
for vertical  
polarization



If mounted for vertical polarization place the draining hole at the bottom.

	LR	L1	L2	L3	L4	DR	D1	D2	D3	D4
(mm)	371	271	255	243	236	130	102	190	218	195
(in)	14.6	10.7	10.0	9.6	9.3	5.1	4.0	7.5	8.6	7.7

### Standard Mounting Bracket

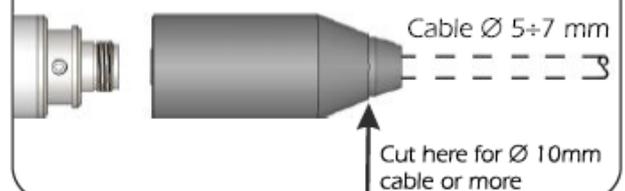


Materials: extruded aluminum  
Hardware: stainless & zinc plated steel  
Dimensions : 80 x 76 x 65 mm  
Weight: 460 gr

#### Part list

Q.ty	Description
1	Extruded aluminium bracket
2	Steel bracket
2	M8x200 U-bolt
4	M8 Grower washer
4	M8 Hexagonal nut
2	M6x20 Hexagonal head screw
2	M6 Grower washer
2	M6 Hexagonal nut

### Connector protection cap



### Stacking and Baying distance

L=350mm;13.8in. S=500mm;19.7in

