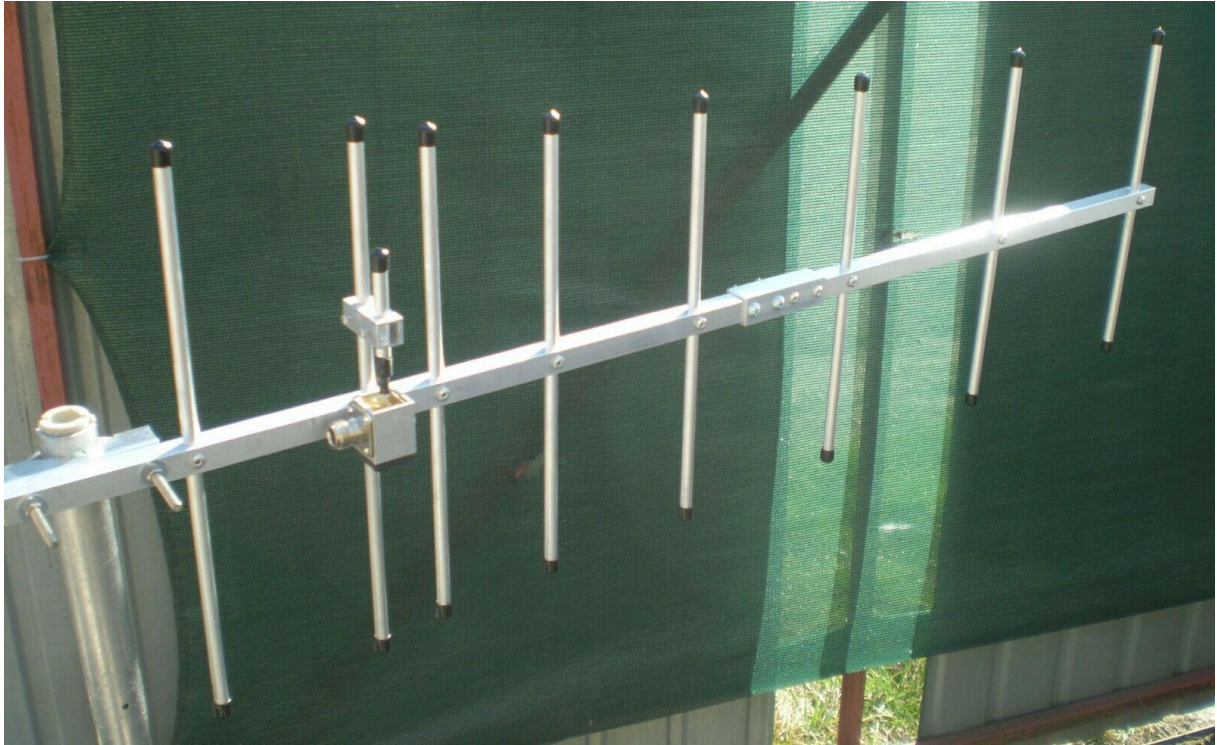


**VINNANT-ANTENA FOR 400-406MHZ WEATHER  
BALOON OPERATIONS**

**YAGI 8 ELEMENT, TYPE 8ELG403 N CONNECTOR**



**TYPE : 8ELG403**

To be used for:

**WEATHER BALOON RECEPTION 400-406MHZ  
POSSIBLE USE FOR SATELLITE IN 400-406 MHZ  
RANGE**

antenna is designed for RX and TX as well,25W MAX

ANTENNA IS SUITABLE FOR FIELD OPERATIONS  
AND IT IS REPEATABLE ASSEMBLED,CARRY  
PACKAGE IS 50X35X8 CM

### Technical parameters:

PRETUNED FOR 403MHZ

Antenna is 100cm long WHEN ASSEMBLED  
Forward gain 10,5Dbd  
front-back ratio 17Db  
Bandwidth 4Mhz/+ - 2Mhz/ WITH SWR AT EGDES  
1.5 OR BETTER  
mast mountable up to 55mm of pole diameter  
power handling 25w  
swr at 403Mhz 1.2 or better  
IMPEDANCE 50OHM  
VERTICALLY POLARIZED  
BEAMWIDTH ABOUT 30 DEGREES  
weight 0,6kg  
connector N female  
stainless steel HW,ZINC

## ASSEMBLY OF THE ANTENNA:

ANTENNA IS SENT IN SMALL PACKED, UNASSEMBLED BUT PRETUNED AND SIMPLE PROCEDURE IS NEEDED TO GET IT OPERATIONAL.



SLIDE THE 3 ELEMENT PART TO THE MAIN PART ,OBSERVE THE ELEMENT SCREWS TO MATCH THE OTHER,USE SOME FORCE IF NECCESARRY AND ALLING SCREW HOLES,USE ENCLOSED SCREWS TO SECURE THE BOOM AND TIGHT STRONG.THE PROCEDURE IS REPEATABLE AND ANTENNA DOES NOT SUFFER BEING REPAETABLY ASSEMBLED WHAT IS A GOOD FEATURE FOR FIELD OPERATIONS.IN RARE OCCASIONS,ANTENNA CAN BE USED WITHOUT ADDITIONAL 3 ELEMENT SECTION.

USE THE ENCLOSED BRACKET SO ANTENNA COULD BE MOUNTED TO THE POLE,PLEASE USE THE TOOTHER WASHERS IN A WAY BETWEEN THE BRACKET AND THE BOOM,THIS WAY ANTENNA IS NOT SLIDING SIDEWAYS,NORMAL WASHERS GOES UNDER THE NUTS. AFTER THE INSTALLATION,PLUG THE N CONNETOR INTO THE ANTENNA,TIGHT STRONG BY HAND ONLY,DO NOT USE PLYES.THE CONNECTOR DOES NOT REQUIRE SEALING AFTER INSTALLATION,AS N TYPE IS SELF SEALING .

