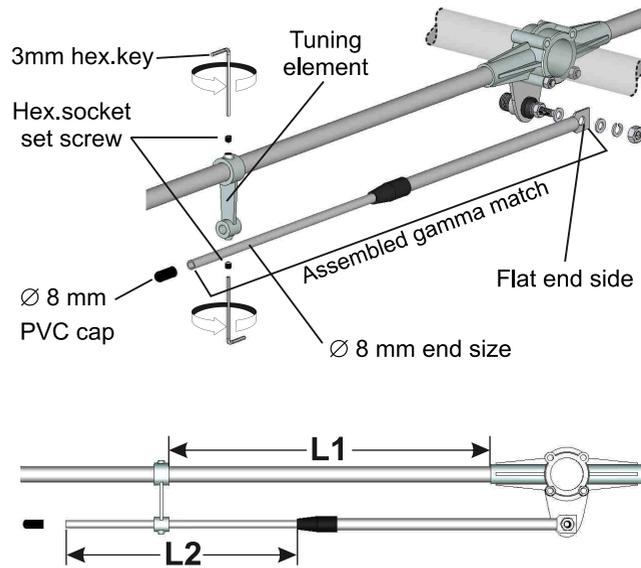


Gamma Match Mounting

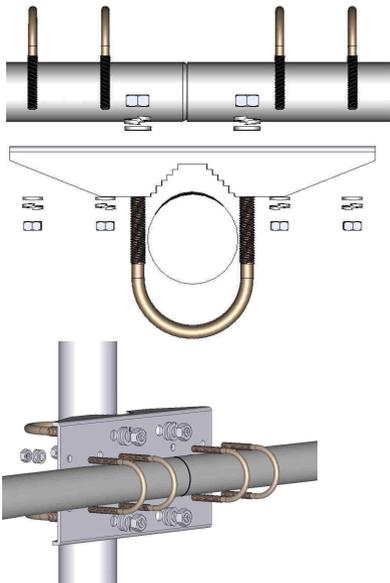
- 1) Fix without locking the flat end of the gamma-match by using the supplied nut and washer.
- 2) Insert the opposite side ($\varnothing 8$) of gamma match in the tuning element and fix it at L1 by means of the enclosed hardware.
- 3) Check that the last part of your gamma match ($\varnothing 8$ mm) is correctly positioned at L2 and fix it with hardware.
- 4) Lock the nut on the flat end of the gamma match and mount the PVC cap.



Gamma Match parts list	
Q.ty	Description
2	M6x6 Hexagon socket set screw
1	3mm Hexagonal Key
1	$\varnothing 8$ mm PVC cap
2	M6 Flat washer
1	M6 Grower washer
1	M6 Hexagonal nut
1	Tuning element

Re-order code: SA090

SD/SY Mounting bracket



SD/SY bracket parts list	
Q.ty	Description
1	SD/SY Steel bracket
2	M8x200 U-bolt
4	M8 Hexagonal nut
4	M8 Grower washer
4	M8 Flat washer
4	M6x125 U-bolt
8	M6 Hexagonal nut
8	M6 Grower washer
8	M6 Flat washer

Materials: Zinc Plated Steel
 Weigh: 865 gr

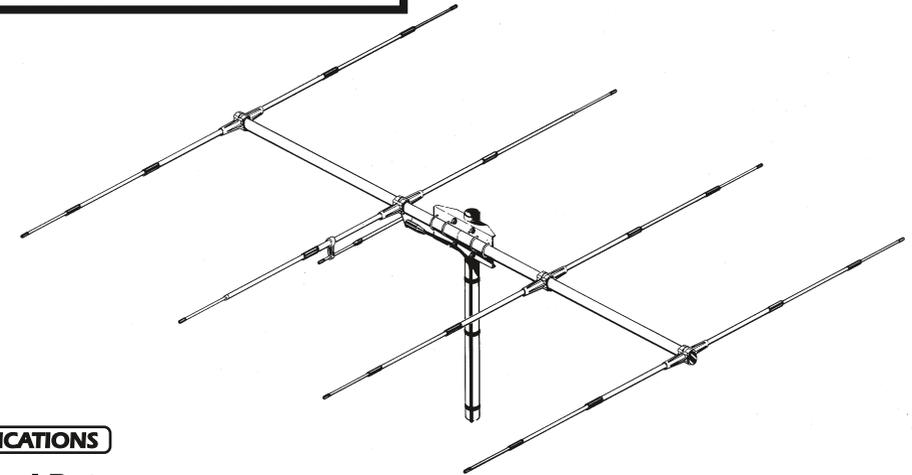
Re-order code: SA088

SY-4

26.5 ... 30 MHz Tunable 4 Element Yagi Antenna

WARNING

INSTALLATION OF THIS PRODUCT NEAR POWER LINES IS DANGEROUS. FOR YOUR SAFETY AND BEFORE YOU BEGIN INSTALLATION, READ THE SEPARATE SAFETY INFORMATION SHEET.



SPECIFICATIONS

Electrical Data

Type	4 Element Yagi Beam Antenna
Frequency Range	26.5 ... 30 MHz tunable (see table)
Impedance	50 Ω
Radiation	Directional
Polarization	Linear Horizontal
Front to Back ratio	≥ 20 dB
Gain	11 dBi - 13.15 dBi
Bandwidth @ SWR ≤ 2	≥ 850 KHz @ 26.5 MHz
SWR @ res. freq.	≤ 1.2
Max Power	1000 Watts (CW) continuous 3000 Watts (CW) short time
Connector	UHF-female

Mechanical Data

Materials	Aluminium, EPDM rubber, Zamak, Zinc plated steel, Chromed brass
Wind Load / Resistance	85 N @ 150 Km/h / 120 Km/h
Wind surface	0.07 m ²
Dimensions (approx.)	5846 x 4030 x 100 mm
Boom Length/Diameter	4030 mm / $\varnothing 33$ mm
Max. element length	5846 mm
Element diameter	$\varnothing 8-12-16$ mm
Turning radius	3700 mm
Weight (approx.)	6100 gr
Mounting mast	$\varnothing 35-50$ mm side mast with "U" bolt

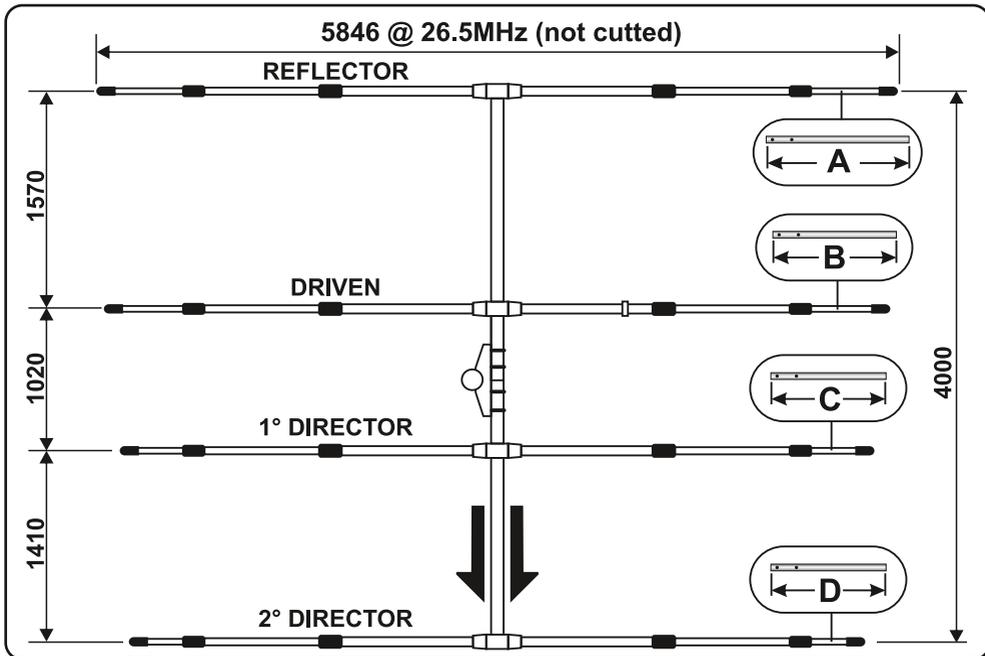
TUNING TABLE						
Freq. (MHz)	A (mm)	B (mm)	C (mm)	D (mm)	L1 (mm)	L2* (mm)
26.5 (not cutted)	813	620	460	356	937	485 ± 5
27.0	760	570	412	310	890	490 ± 5
27.5	707	520	367	266	840	488 ± 5
28.0	656	474	322	224	789	486 ± 5
28.5 (10 m band)	608	428	280	183	748	483 ± 5
29.0	560	385	238	143	706	480 ± 5
29.5	516	342	200	105	676	476 ± 5
30.0	472	302	160	68	646	471 ± 5

* For the best tuning, please adjust only the gamma match L2 with an SWR-Meter, about indicated range.

Mounting needed tools:

- n. 1 tape rules (meter)
- n. 1 hacksaw
- n. 1 screwdriver cross point
- n. 1 10mm open key
- n. 1 13mm open key

REMARK: use a good coax cable like RG-8 or RG-213 as short as possible to get the best performance and we recommend to mount your antenna as far as possible from metal roofs, walls, power lines and other antennas.



Elements mounting

Elements mounting

Ø 8 mm end section tube
Do not cut this side

A (reflector)
B (driven)
C (1° director)
D (2° director)

Joining sleeve

Ø 8 mm PVC cap

Philips screws

1) From tuning table select the working frequency and cut the Ø8mm tube of end section at length **A, B, C** and **D**.
2) Extract the telescopic elements, insert the joining sleeves and the Ø8mm tubes of end section then fix all using the phillips screws. Place the PVC cap.
3) Insert without looking the tuning element on one Ø16mm tube on DRIVEN and fix the tubes with supplied hex socket screws and key.
Be careful to check that all parts are well locked.

Mounting Elements parts list	
Q.ty	Description
2	Ø 14mm Plastic joining sleeve
2	Ø 17.5mm Plastic joining sleeve
2	Ø 8 mm PVC cap
8	Ø 3.9x6.5mm phillips tapping screw
4	M6 Hexagonal nut

Re-order code: SA089

Hex.socket set screw

3mm hex.key

Tuning element