

PLEASE READ CAREFULLY INSTRUCTIONS BEFORE ASSEMBLY THE ANTENNA
ALL THE OPERATIONS SHOWN IN THIS NOTICE ARE TO BE PERFORMED BY
QUALIFIED PERSONNEL ONLY

GYA feeder

GYA series illuminators (Yagi for frequencies from 1.4 to 2.5 GHz) are supplied assembled (Illuminator, cable and the support tube). Thus the only necessary operations are to fix the feeder to the parabolic dish (to center feeder on the focus of the dish) and to connect the cable to TX/RX equipment.

- Mount the feeder on the dish as shown in Figure 1 and tighten the locking allen screws with the spring washer supplied in the mounting kit.
- Once attached feeder to the dish, loosen the screws M5x10 locking tube to center the feeder on the focus of the parabola.
- Adjust the length of the pipe so that the dimension F ($\pm 5\text{mm}$) in Figure 1 corresponds to that indicated in Table 1 for different antenna type and feeders model.
- Tighten the screws to block the tube.

Figure 1 shows the feeder in vertical polarization. For use in the horizontal one, you need to mount the feeder rotated by 90°

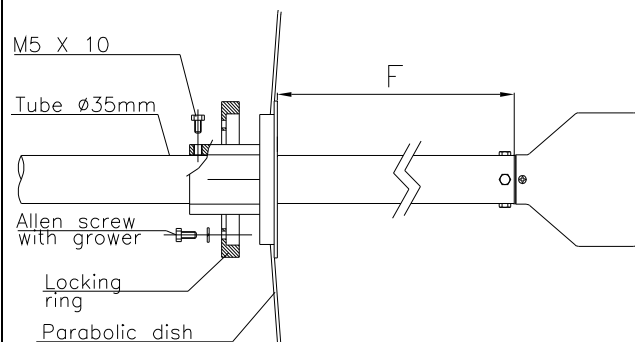


FIGURE 1

P0 feeder

Series P0 feeders (Yagi for frequencies from 800 MHz to 2.7 GHz) are supplied with a tube for mounting on the dish. You'll need a N-male cable to connect it to TX/RX equipment.

- Connect the cable to the N-female connector of the feeder (Figure 2 – A)
- Insert the cable into the supplied tube (Figure 2 – B) and tight the 3 supplied M4x8 screws to fix
- Mount the feeder on the dish as shown in Figure 2 and tighten the locking allen screws supplied in the mounting kit.
- Once attached feeder to the dish, loosen the M4 screws locking tube to center the feeder on the focus of the parabola.
- Adjust the length of the pipe so that the dimension F ($\pm 5\text{mm}$) in Figure 2 corresponds to that indicated in Table 1 for different antenna type and feeders model.
- Tighten the screws to block the tube.

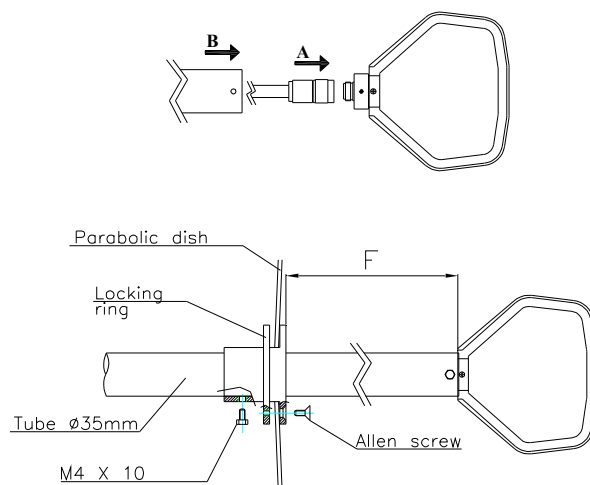


FIGURE 2

Feeder model	GYA14	GYA19	GYA22	P003	P004	P005	P006	P007	P008	P009	P010
Antenna Type	F [mm]										
GPA06	138	153	168	88	98	118	128	138	153	168	178
P1090	363	378	393	313	323	343	353	363	378	393	403
GPA12	360	375	390	310	320	340	350	360	375	390	400
P1290	455	470	485	405	415	435	445	455	470	485	495
P1590	585	600	615	535	545	565	575	585	600	615	625
GPA18	585	600	615	535	545	565	575	585	600	615	625
GPA20	615	630	645	565	575	595	605	615	630	646	655
GPA30	1022	1037	1052	972	982	1002	1012	1022	1037	1052	1062