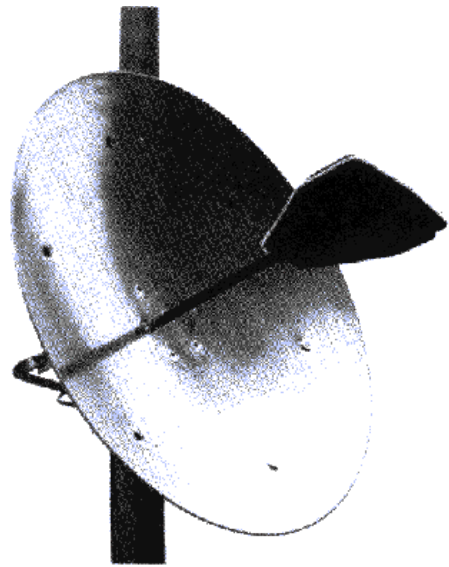


Model AJPRL 1.

PARABOLIC ANTENNA 1 m

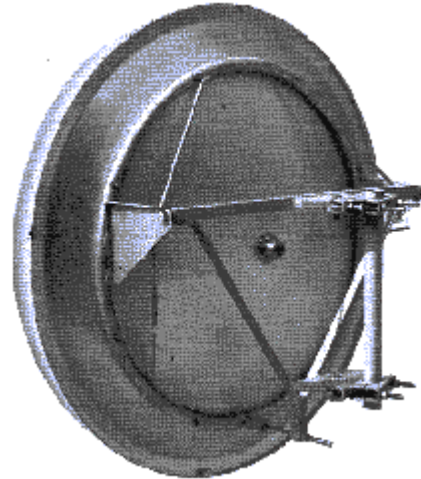


General Description

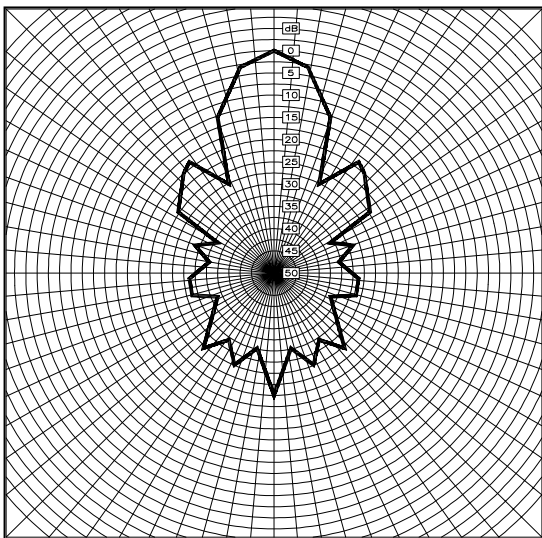
Folded edge anodized aluminium parabolic antennas.
 Pole fastening is made in hot galvanized iron with stainless steel bolts and nuts, and is fitted with both horizontal and vertical fine angulation device.
 Fastening the pole has been developed for employment on both tubular and angular structures.
 Polarization can be rotated continuously over the whole 360 degree range. Protection radome is delivered upon request (option /R), to be used in unfavourable environmental conditions, i.e. where the parabolic antenna is exposed strong wind or is subject to ice problems.

Mechanical Data

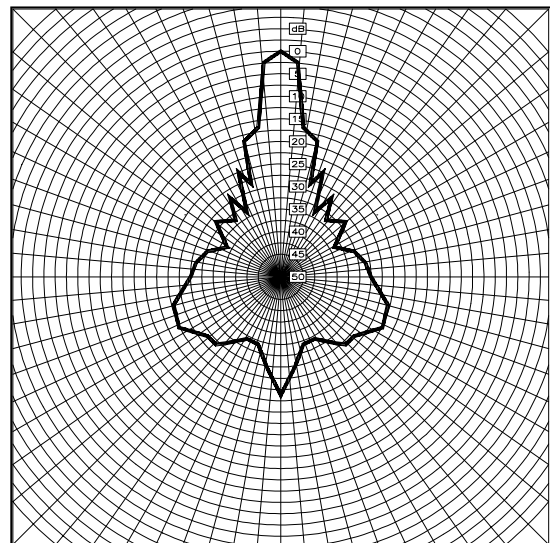
Anodized aluminium parabolic antenna thickness	3 mm.
Brackets for fastening to the pole	50-70 mm.
Distance between the two brackets	360 mm.
Setting of bearing on the horizontal plane	on the pole
Setting of vertical bearings	±20°
Max. surface facing the wind	0.8 mq
Endurance against the wind	120 Km/h
Weight of parabolic antenna complete with connectors	12 Kg
Supporting structure and hot zinc-plated fixing brackets	yes



FRONT & REAR VIEW OF PARABOLIC ANTENNA WITH RADOME



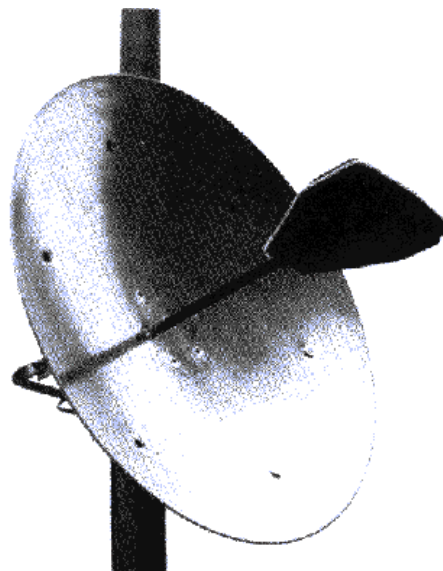
Horizontal Polarization (F=950 MHz)



Horizontal Polarization (F=2.1 GHz)

Model AJPRL 1.2.

PARABOLIC ANTENNA 1.2 m

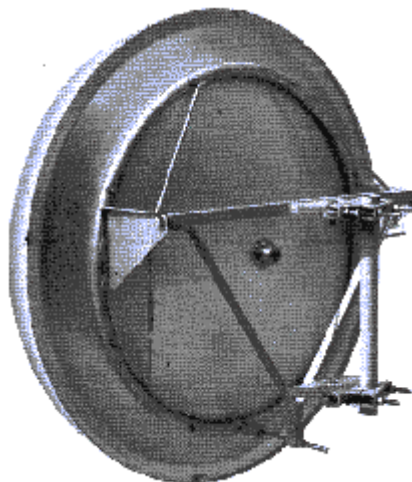


General Description

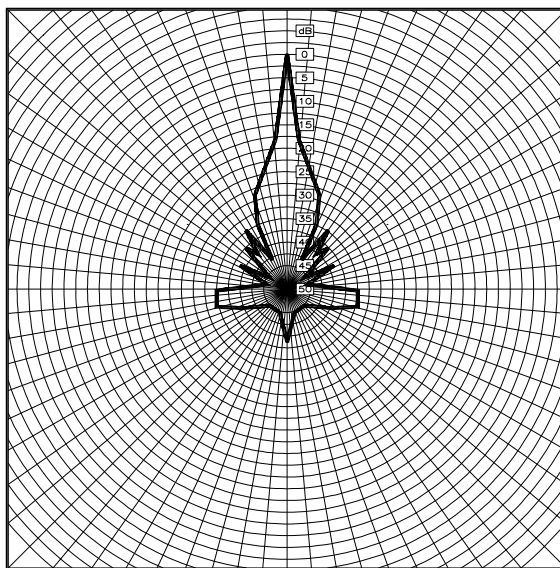
Folded edge anodized aluminium parabolic antennas.
Pole fastening is made in hot galvanized iron with stainless steel bolts and nuts, and is fitted with both horizontal and vertical fine angulation device.
Fastening the pole has been developed for employment on both tubular and angular structures.
Polarization can be rotated continuously over the whole 360 degree range. Protection radome is delivered upon request (option /R), to be used in unfavourable environmental conditions, i.e. where the parabolic antenna is exposed strong wind or is subject to ice problems.

Mechanical Data

Anodized aluminium parabolic antenna thickness	3 mm.
Brackets for fastening to the pole	50-70 mm.
Distance between the two brackets	360 mm.
Setting of bearing on the horizontal plane	on the pole
Setting of vertical bearings	$\pm 20^\circ$
Max. surface facing the wind	1.15 mq
Endurance against the wind	120 Km/h
Weight of parabolic antenna complete with connectors	15 Kg
Supporting structure and hot zinc-plated fixing brackets	yes



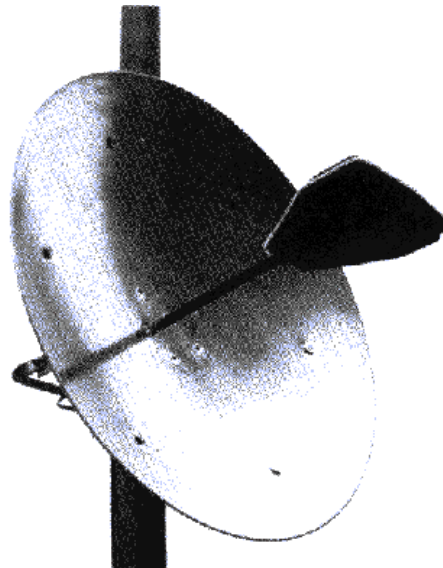
FRONT & REAR VIEW OF PARABOLIC ANTENNA WITH RADOME



HORIZONTAL POLARIZATION (F=2 GHz)

Model AJPRL 1.5.

PARABOLIC ANTENNA 1.5 m



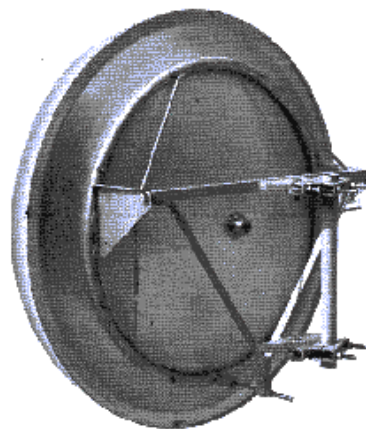
General Description

Folded edge anodized aluminium parabolic antennas.
Pole fastening in made in hot galvanized iron with stainless steel bolts and nuts, and is fitted with both horizontal and vertical fine angulation device.
Fastening the pole has been developed for employment on both tubular and angular structures.
Polarization can be rotated continuously over the whole 360 degree range. Protection radome is delivered upon request (option /R), to be used in unfavourable environmental conditions, i.e. where the parabolic antenna is exposed strong wind or is subject to ice problems.

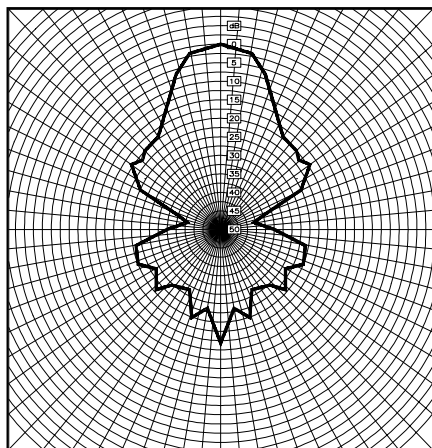
Mechanical Data

Anodized aluminium parabolic antenna thickness	3 mm.
Brackets for fastening to the pole	50-80 mm.
Distance between the two brackets	500 mm.
Multiuse brackets for fastening to the angle of the lattice	60 – 114 mm.
Setting of bearing on the horizontal plane	$\pm 28^\circ$
Setting of vertical bearings	$-8^\circ / +10^\circ$
Max. surface facing the wind	1.8 mq
Endurance against the wind	120 Km/h
Weight of parabolic antenna complete with connectors	47 Kg

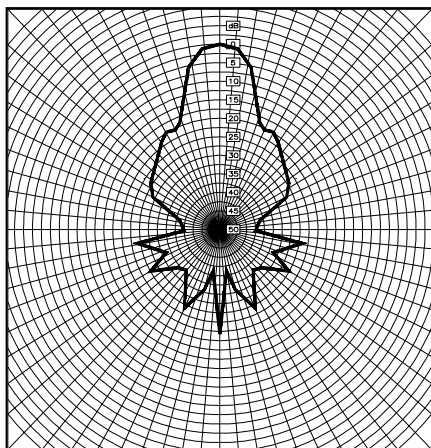
FRONT & REAR VIEW OF PARABOLIC ANTENNA WITH RADOME



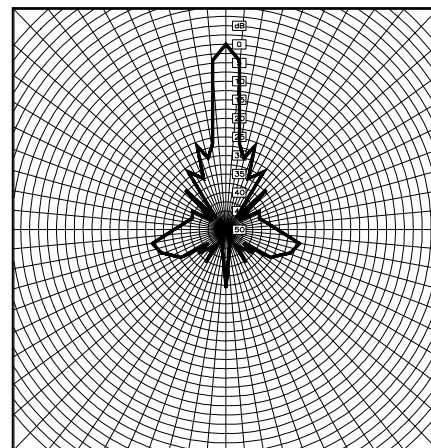
HORIZONTAL POLARIZATION



F=680 MHz



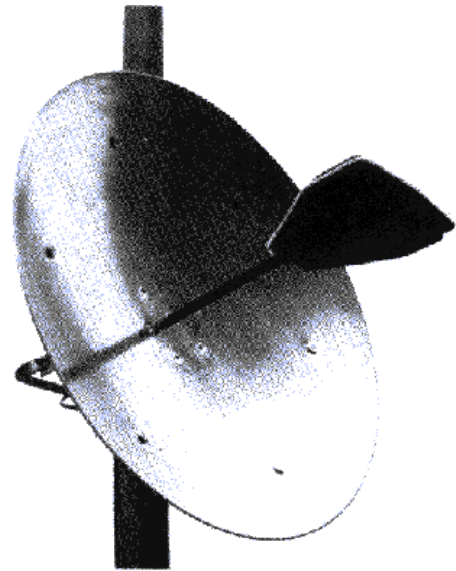
F=950 MHz



F=2 GHz

Model AJPRL 1.8.

PARABOLIC ANTENNA 1.8 m



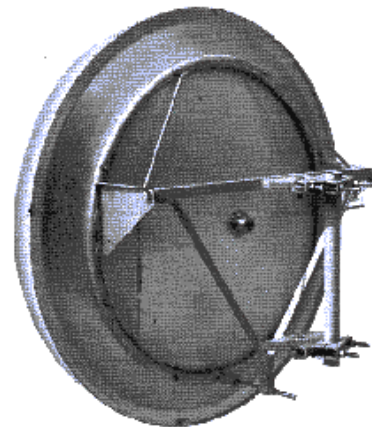
General Description

Folded edge anodized aluminium parabolic antennas.
 Pole fastening in made in hot galvanized iron with stainless steel bolts and nuts, and is fitted with both horizontal and vertical fine angulation device.
 Fastening the pole has been developed for employment on both tubular and angular structures.
 Polarization can be rotated continuously over the whole 360 degree range. Protection radome is delivered upon request (option /R), to be used in unfavourable environmental conditions, i.e. where the parabolic antenna is exposed strong wind or is subject to ice problems.

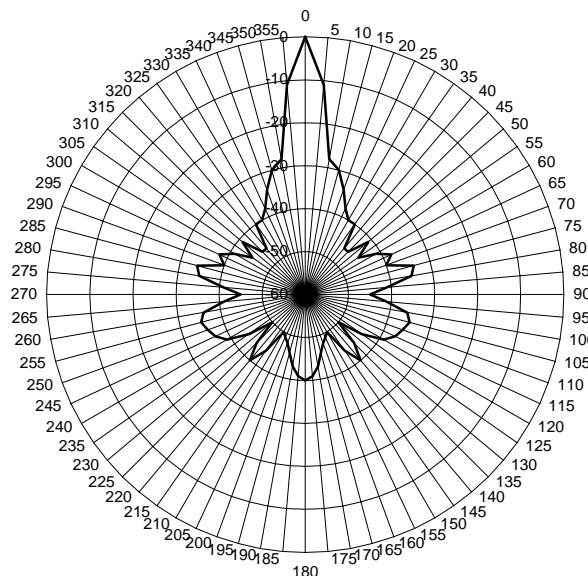
Mechanical Data

Anodized aluminium parabolic antenna thickness	3 mm.
Brackets for fastening to the pole	50-80 mm.
Distance between the two brackets	645 mm.
Multise brackets for fastening to the angle of the lattice	60 – 114 mm.
Setting of bearing on the horizontal plane	±28°
Setting of vertical bearings	-8° / +10°
Max. surface facing the wind	2.55 mq
Endurance against the wind	150 Km/h
Weight of parabolic antenna complete with connectors	65 Kg

FRONT & REAR VIEW OF PARABOLIC ANTENNA WITH RADOME



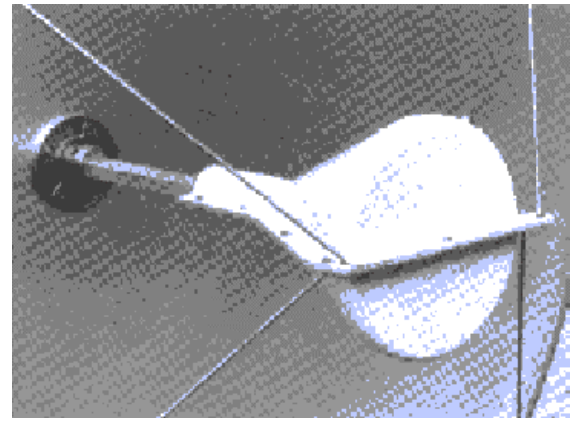
ATTENUATION (dB) REFERRED TO NOMINAL GAIN



Frequency band = 2300 - 2700 MHz
 3 dB beamwidth = ± 1°
 Gain = 30.1 dB
 Cross-polar decoupling = 29 dB

Model ILP/1.

FEEDER FOR PARABOLIC ANTENNA



ELETTRICAL CHARACTERISTICS OF FEEDER FOR PARABOLIC ANTENNA 1 m

Frequency range	3 dB Beamwidth (Degrees)	VSWR in band	Return loss	Gain in band	Cross-polarization attenuation
800-875 MHz	± 12.7	< 1.28	> 18 dB	15.5 dB	18 dB
875-975 MHz	± 11.8	< 1.28	> 18 dB	16 dB	18 dB
975-1175 MHz	± 11	< 1.28	> 18 dB	17 dB	19 dB
1175-1325 MHz	± 8.7	< 1.28	> 18 dB	18 dB	20 dB
1325-1575 MHz	± 7.5	< 1.28	> 18 dB	19.5 dB	21 dB
1575-1800 MHz	± 6	< 1.28	> 18 dB	21.5 dB	21 dB
1800-2300 MHz	± 5.4	< 1.28	> 18 dB	23 dB	22 dB
2300-2700 MHz	± 4.6	< 1.22	> 18 dB	24.5 dB	33 dB

ELETTRICAL CHARACTERISTICS OF FEEDER FOR PARABOLIC ANTENNA 1.2 m

Frequency range	3 dB Beamwidth (Degrees)	VSWR in band	Return loss	Gain in band	Cross-polarization attenuation
800-875 MHz	± 10.6	< 1.28	> 18 dB	17 dB	18 dB
875-975 MHz	± 9.8	< 1.28	> 18 dB	18 dB	23 dB
975-1175 MHz	± 8.6	< 1.28	> 18 dB	20 dB	26 dB
1175-1325 MHz	± 7.4	< 1.28	> 18 dB	21.2 dB	29 dB
1325-1575 MHz	± 6.5	< 1.28	> 18 dB	22.3 dB	35 dB
1575-1800 MHz	± 5	< 1.28	> 18 dB	23.3 dB	35 dB
1800-2300 MHz	± 4.5	< 1.28	> 18 dB	26 dB	40 dB
2300-2700 MHz	± 3.9	< 1.28	> 18 dB	27 dB	40 dB

ELETTRICAL CHARACTERISTICS OF FEEDER FOR PARABOLIC ANTENNA 1.5 m

Frequency range	3 dB Beamwidth (Degrees)	VSWR in band	Return loss	Gain in band	Cross-polarization attenuation
800-875 MHz	± 8.5	< 1.22	> 18 dB	19 dB	23 dB
875-975 MHz	± 7.9	< 1.22	> 18 dB	20.5 dB	23 dB
975-1175 MHz	± 5.5	< 1.28	> 18 dB	21.8 dB	24 dB
1175-1325 MHz	± 4.5	< 1.28	> 18 dB	23.3 dB	26 dB
1325-1575 MHz	± 4.2	< 1.22	> 18 dB	23.6 dB	34 dB
1575-1800 MHz	± 3.8	< 1.22	> 18 dB	24.8 dB	42 dB
1800-2300 MHz	± 3	< 1.28	> 18 dB	27 dB	42 dB
2300-2700 MHz	± 2.4	< 1.22	> 18 dB	28 dB	50 dB

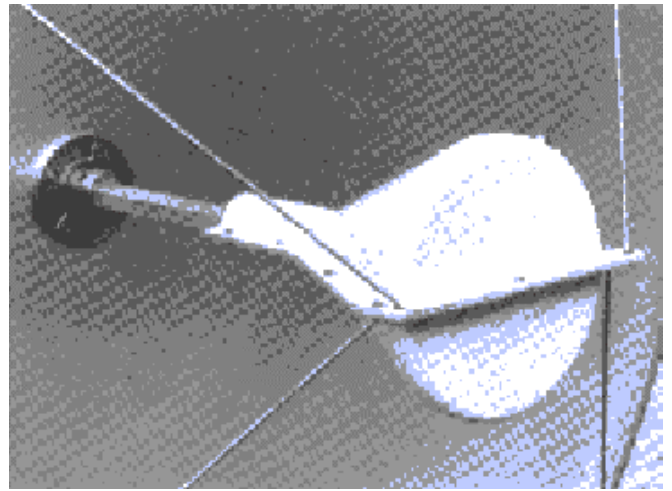
ELETTRICAL CHARACTERISTICS OF FEEDER FOR PARABOLIC ANTENNA 1.8 m

Frequency range	3 dB Beamwidth (Degrees)	VSWR in band	Return loss	Gain in band	Cross-polarization attenuation
800-875 MHz	± 7	< 1.22	> 18 dB	20 dB	30 dB
875-975 MHz	± 6	< 1.22	> 18 dB	22 dB	30 dB
975-1175 MHz	± 5	< 1.28	> 18 dB	23.5 dB	25 dB
1175-1325 MHz	± 4.5	< 1.28	> 18 dB	24.5 dB	21 dB
1325-1575 MHz	± 3.5	< 1.22	> 18 dB	26 dB	29 dB
1575-1800 MHz	± 3	< 1.22	> 18 dB	27.5 dB	30 dB
1800-2300 MHz	± 1.5	< 1.28	> 18 dB	29.5 dB	29 dB
2300-2700 MHz	± 1	< 1.22	> 18 dB	30 dB	29 dB

Model ILP/2.

FEEDER FOR PARABOLIC ANTENNA

This feeder is installable only 1.5 m Parabolic Antenna.



ELETTRICAL CHARACTERISTICS

Frequency range	Radiation angle	VSWR in band	Return loss	Gain in band	Cross-polarization attenuation
620-685 MHz CH 40-47	116°	< 1.32	> 17 dB	15.5 dB	18 dB
385-750 MHz CH 48-54	116°	< 1.28	> 18 dB	16 dB	18 dB
750-805 MHz CH 54-62	116°	< 1.22	> 21 dB	17 dB	19 dB
800-860 MHz CH 63-69	116°	< 1.23	> 20 dB	18 dB	20 dB