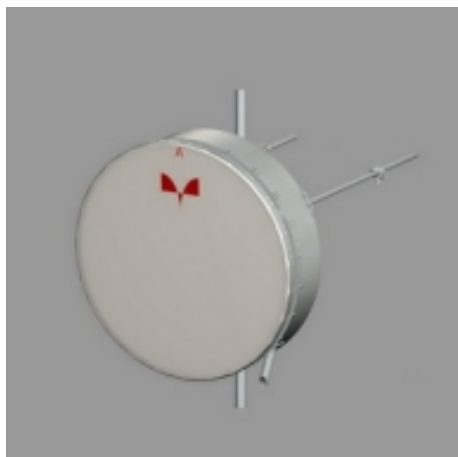


Antenna HP 24-059 D

 Antenna HP 24-059 D



General Specifications

Diameter	2.4 m
Standard Colour	RAL 7030
Shroud	Standard profile
Antenna Input	Interface for IEC waveguide R 70
Polarization	Dual

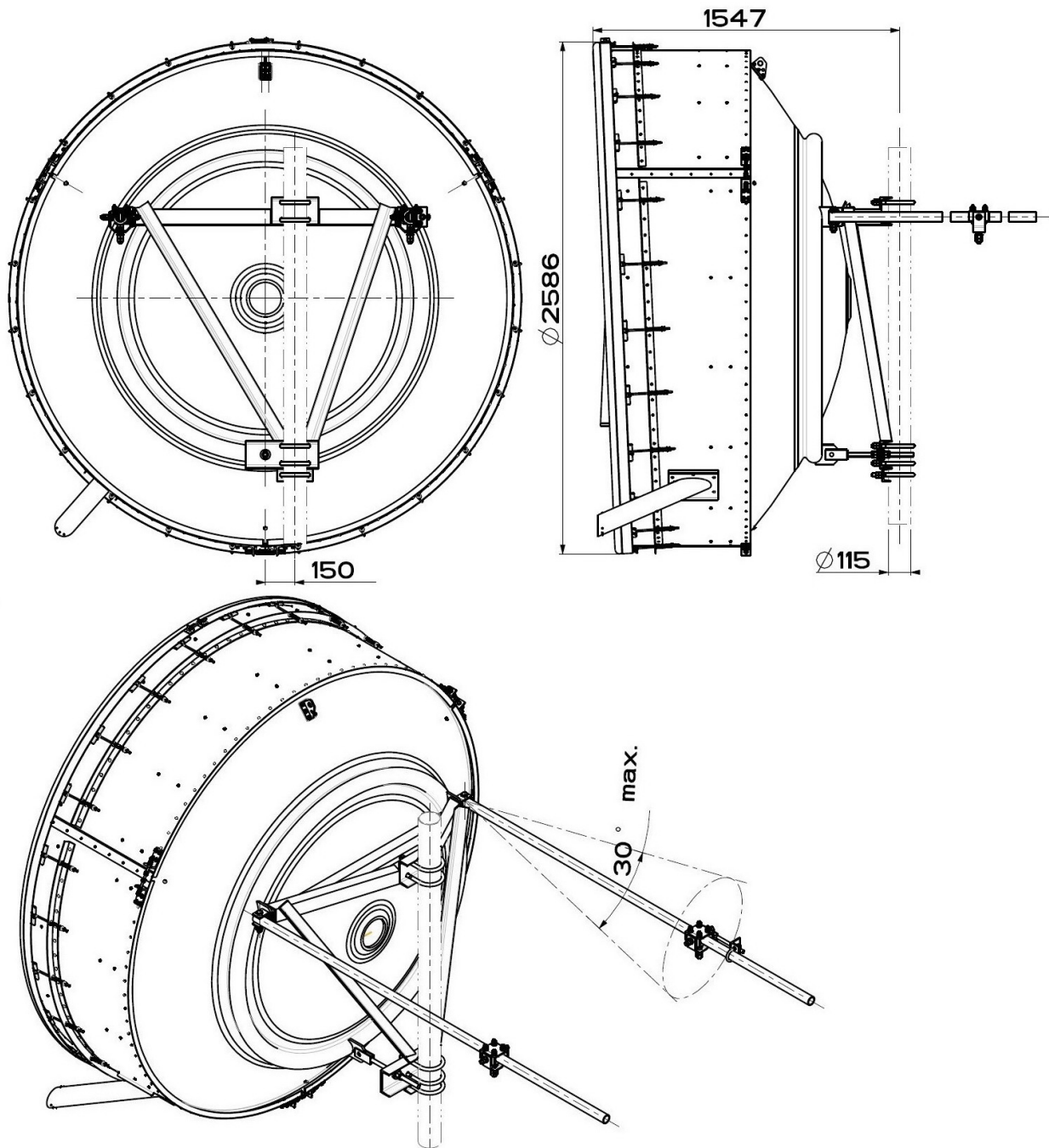
Mechanical Characteristics

Pole	115 mm
Elevation-fine adjustment	$\pm 5^\circ$
Azimuth-fine adjustment	$\pm 5^\circ$
Side struts, included	2
Side struts, optional	0
Net weight	250 Kg
Radome	Complan fabric
Wind velocity Operational	30 m/s
Wind velocity Survival	55 m/s
Wind deflection	<0.3 times the -3 dB beamwidth
(with a wind velocity of 30 m/s)	Specified wind deflection applies for 115 mm dia mounting pipe only

↙ Antenna Dimensions

(pole mount included)

Height	2550 mm
Width	2550 mm
Depth	1560 mm



↘ Wind forces at wind velocity survival rating and with 25 mm (1") ice load

Axial force	12750 N
Side force	6315 N
Twisting Moment	5220 N?m

Maximum forces exerted on a supporting structure as a result of wind (survival rating) from the most critical direction for each parameter. These values may not occur simultaneously. All forces are referred to the mounting pipe (115 mm diameter).

↘ Electrical Characteristics

Frequency range	5.925-6.425 GHz
Gain, low band	40.9 dBi
Gain, mid band	41.3 dBi
Gain, top band	41.6 dBi
Return Loss	29.4 dB
VSWR	1.07
HPBW	1.4°
Front to back ratio	70 dB
Isolation	35 dB
XPD	30 dB
Electrical Compliance	Class 3

↘ Shipping Information

Gross weight	500 Kg
Height	2850 mm
Depth	2500 mm
Width	970 mm

