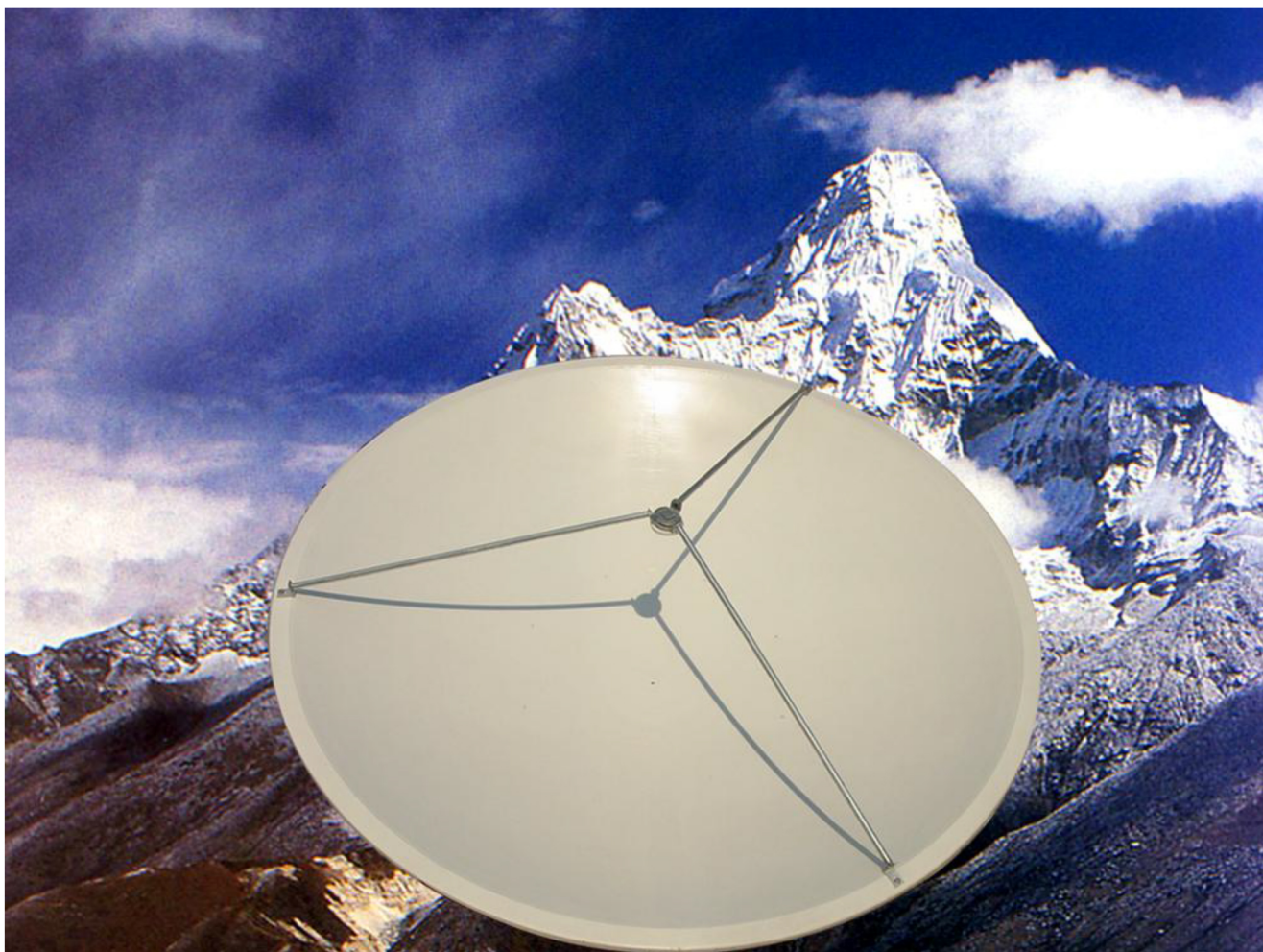




LS 3000 3 Meter Satellite Earth Station Antennas

C Band & KU Band



- ✓ Aluminum spun system one piece reflector
- ✓ Parabolik Prime Focus
- ✓ AZ/EL or Polar Mount
- ✓ Easy Installation

Electronic Performance Specifications

Frequency	3.7.....4.2 Ghz	10.95.....12.2 Ghz
Gain At Midband	34 db	49 db
WSWR	1.25.1	1.25.1
Beamwidth -3db	1.20	0.60
<u>Antenna Noise Temperature</u>		
10° Elevation	45° K	65° K
20° Elevation	40° K	56° K
40° Elevation	36° K	56° K
<u>Sidelobe Pattern</u>		
<u>Performance</u>		
1st Sidelabe	-14 db	-14 db
Antenna F/D Ratio	0.33	0.33

Mechanical Product Specifications

Reflector Material	Aluminium Thickness 3mm
Azimuth Travel	360° Continuous
Elevation Travel	5° to 70° Continuous
Surface Accuracy	0.3 mm Reflector
Weight Reflector	65 Kg
Weight Pedestal	53 Kg
Operation Wind Speed	120 Kmh
Reflector Surface	Color White Polyamid Paint
Foundation Sizes	120 * 120 * 30 cm
Concrete Volume	0.3 m³
Reinforcing Steel	10 Kg

Laser LS 3000

3 meter Satellite Earth Station Antenna is 3 mm thickness and 1050 quality produced with special quality aluminium and Spun system machinery is used for production.

Dish is made of one piece. Because the antenna doesn't create any transportation problems because of its size, it can be transported to the desired location easily.

One piece dish works at higher performance and is ideal for easy installation.

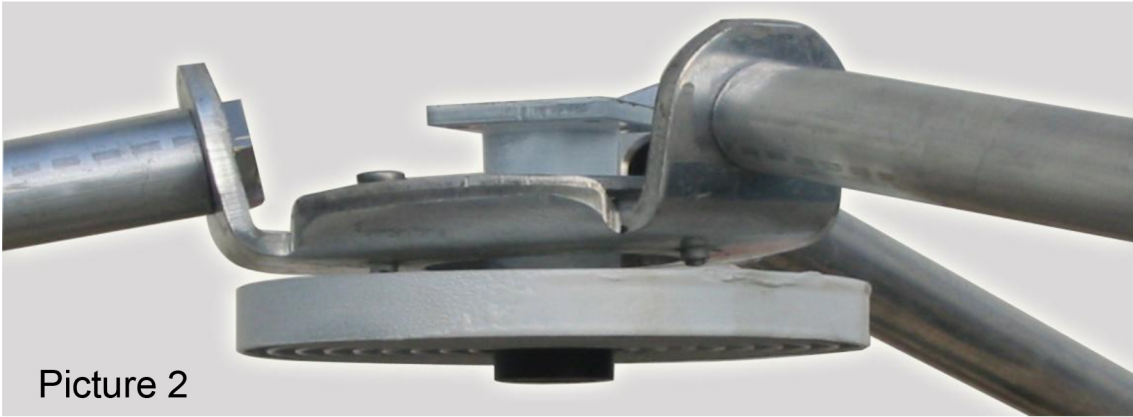
Feed Horn Mount

Focal Point 91.4 cm.

Picture 1



Picture 2



Picture 3



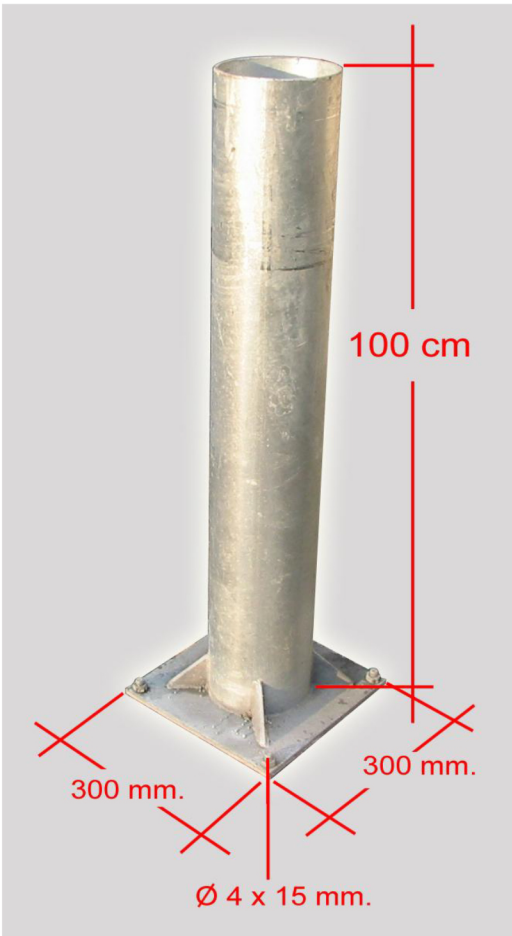
Antenna Focal Adjustment

2 meter Antenna focal length is 60 cm. Adjust the Feed Horn to 60 cm. with 3 units screws located in the center of the Feed Horn Mount



Picture 4

AZ/EL Mount



Picture 5



Picture 6

Installed AZ/EL in Dish



Picture 7

- ✓ One of the connection units at the ring at the back of the dish is numbered.
- ✓ The same number is also at the side of the dish.
- ✓ Both numbers should be aligned at the same level during installation.

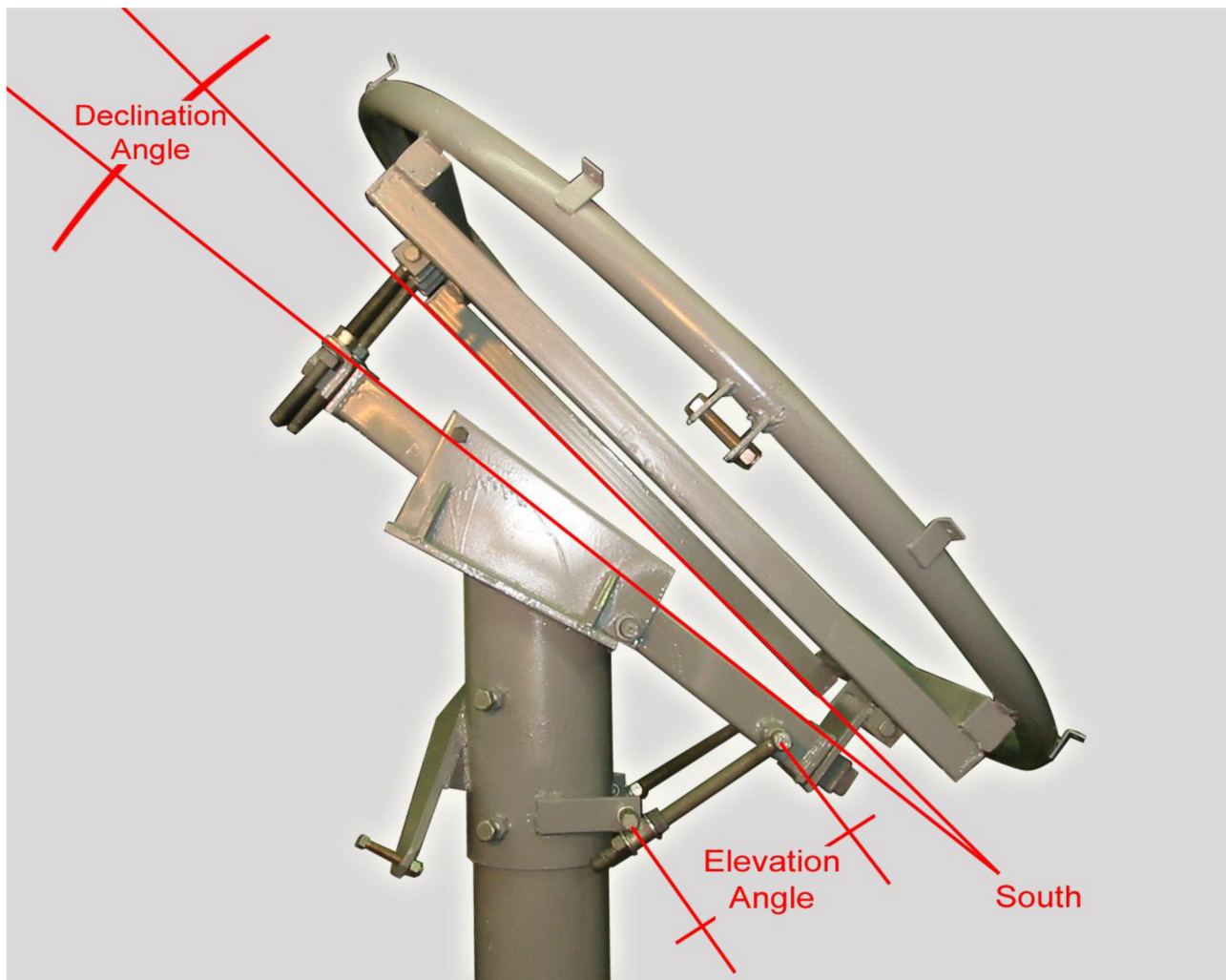
Antenna Dish Test

- ✓ Before installation lay down the dish and with four people pull tight good quality thin rope from four ends as demonstrated in the picture.
- ✓ The ropes should touch each other comfortably at the crossing point. In case one of the ropes is higher than the other then correct dish by pushing slightly from opposite sides.
- ✓ Apply same procedure from a number of different points.
- ✓ For the best result you should apply this procedure most correctly.



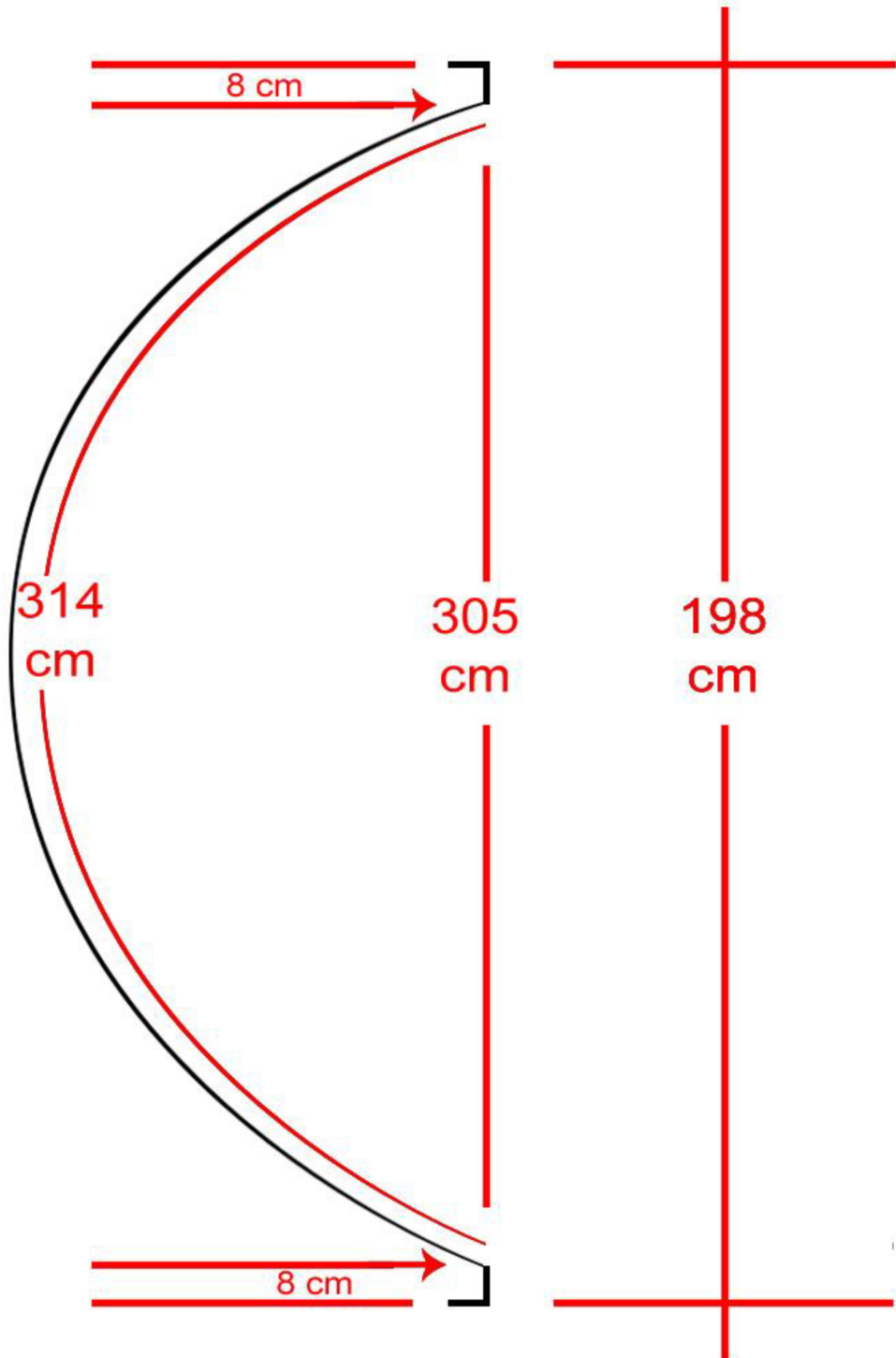
Picture 8

Polar Mount



Picture 9

3 Meter Dish sizes





Laser Elektronik Ayazağa Factory

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