

# SATELLITE ANTENNA - PRIME FOCUS MESH

Heavy Duty and Medium Duty Mesh C-band Satellite Antennas with Polar Mounting ready for motorising, available in 2.3mtr, 3.0mtr and 3.7mtr.



- C/Ku-Band Mesh
- Extra Heavy Duty Construction
  - Intermediate Support Ring
  - 4 & 8 Point Polar Mount
  - 3/4" Shoulder Bushings
  - Powder-coat Finish
  - All Aluminium Reflector
- Unique Extruded Bridge Rib
- Quad Feed Support



Antenna	D-ST7MD (Medium Duty)	D-ST7 (Heavy Duty)	D-ST10 (Heavy Duty)	D-ST12 (Heavy Duty)
Type	4 section	4 section	8 section	8 section
Operating Frequency	1 to 13 GHz	1 to 13 GHz	1 to 13 GHz	1 to 13 GHz
Diameter	2.3m (90")	2.3m (90")	3.0m (120")	3.69m (145")
Reflector Material	Aluminium			
Mesh Thickness	C/Ku Mesh 0.7mm +/- 0.05mm			
Mounting	Polar Mount	Polar Mount	Polar Mount	Polar Mount
F/D Ratio	0.4	0.4	0.38	0.4
Feed	Prime Focus Quad Feed Support			
Pole Size (O.D)	76mm (3")	76mm (3")	89mm (3.5")	89mm (3.5")
Focal Length	915mm (36")	915mm (36")	1160mm (45 7/8")	1460mm (57 1/2")
Gain @ 4.2GHz	38.3 dBi	38.3 dBi	40.3 dBi	42.3 dBi
Gain @ 12.2GHz	46.5 dBi	46.5 dBi	47.8 dBi	49.8 dBi
First Side Lobe (dB)	≤-16	≤-16	≤-18	≤-18
EL Travel Range	0~90°			
AZ Travel Range	0~360°			
Operational Wind Load	110km/h			
Weight (kg)				
Reflector	10	13.5	23.5	37
Mount	13.5	25	32	36
Feedsupport	2	2	3	3.5
Packing Size: (cm)				
Reflector	117x117x11	117x117x13	155x117x28	
Mount	42x46x20	66x62x23	88x88x18	88x88x24
Support	130x5x5	130x5x5	170x5x5	207x5x6



D-ST7MD Mount



D-ST7 Mount



2.3mtr  
Mesh  
Antenna