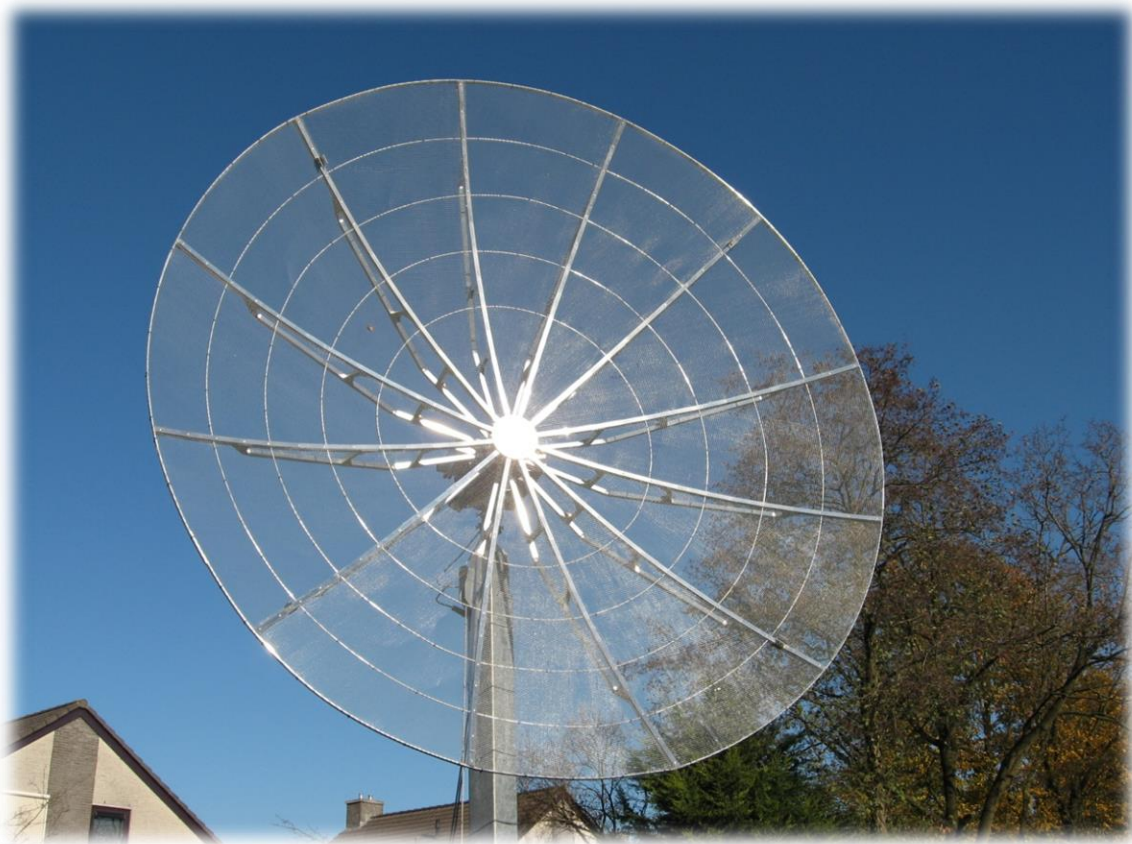


Specifications Sheet:

PRIME FOCUS MESH DISH KIT

3 Meter DISH

Available F/D: 0.45



3 meter DISH KIT



- ✓ This 3 Meter Prime Focus MESH DISH KIT is specially designed to use with prime focus dish feeds.
- ✓ RF HAMDESIGN can offer you a wide range of Dish feeds, Linear (H or V) or circular (LHCP or RHCP) polarized. Multiband linear dish feeds up to 5 band are also available.
- ✓ We can supply you several dish feeds brackets to fit a dish feed in front of the mesh dish.
- ✓ Built up notes of each Mesh Dish are in the supplied user manual described step by step with lot of pictures.
- ✓ All supplied mounting parts are made of stainless steel and or Aluminum.
- ✓ To assemble RF HAMDESIGN's DISH KIT you only need some small hand tools, a little hand driller, a metal saw, a fine liner, a small metal hand cutter, an open end spanner No. 10 and 13 and a Hand riveter
- ✓ Assembly time is about 7...8 hours.



Specifications 3 Meter Prime Focus Mesh Dish

Mesh useable up to	6 GHz
Weight 3M dish (excl. dish feed)	27 Kg
Wind load 120 Km/h	771 N
DISH Surface area:	7.07 M2
Supplied including Mast clamp	No: Available Option
2 pcs CNC Milled Hub	Aluminum, 20cm diameter / 10mm thickness
Dish Material / Wire Mesh Material	Aluminum, not painted / Wire mesh galvanized
Supplied bolts / nuts / washers	Stainless steel
20mm assembled ribs ready to place	12 pcs / Aluminum
Inner rings to secure mesh	5 pcs / Aluminum
Outer RIM	Aluminum strip
Supplied Dish Feed support legs	3 or 4 leg 15 or 20mm/sq Aluminum
Available F/D	0.45

Gain calculation

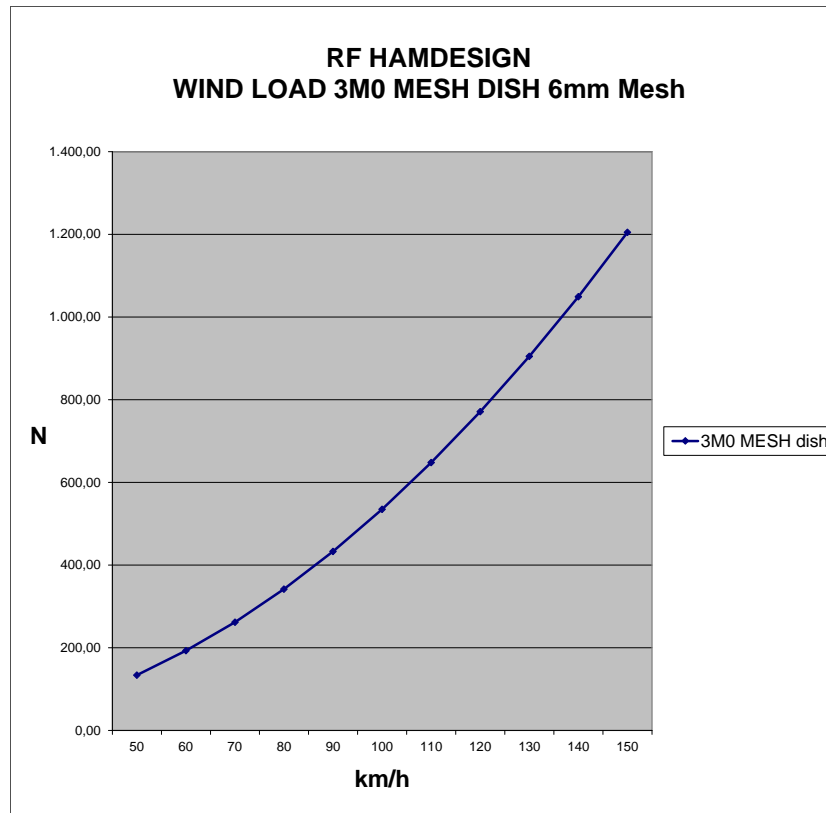
(Surface quality factor (η) 0.65)

Frequency MHz	Gain dBi	-3 dB beam width Degree
1296	30.3	5.7
2320	35.4	3.2
3456	38.8	2.1
5760	43.3	1.3
10368 (2.8mm mesh)	NA	NA

Focal length

(Focal length: the distance from the center of the dish to the front of the dish feed.)

DISH SIZE	F/D=0.45
3 meter	135 cm



Available options to rotate the 3 Meter DISH

<ul style="list-style-type: none"> ➤ SPID BIG-RAS or BIG-RAS/HR: <li style="padding-left: 20px;">Azimuth / Elevation rotator ➤ Incl controller with built in track interface ➤ Resolution standard 1 degree / option 0.5 and 0.2 degree 	
<ul style="list-style-type: none"> ➤ Mounting bracket to interface Dish and Rotator ➤ Made of aluminium ➤ Stainless steel bolts ➤ Easy to mount at all SPID AZ&EL rotators Model BR-03 or UA-02 	
<ul style="list-style-type: none"> ➤ SPID Adaptor ➤ Used to place the rotator at a base plate 	
<ul style="list-style-type: none"> ➤ Power supply 110~230Volts AC ➤ Output 20-26Volts DC / 11.7Amp 	
<ul style="list-style-type: none"> ➤ 8-Core control cable 	
<ul style="list-style-type: none"> ➤ Fixed Mounting Bracket. <li style="padding-left: 20px;">Used to mount 3M0 Dish in fixed Elevation direction. ➤ Can be set from 0 to 90 degree in Elevation. ➤ Weight Bracket: 4.0 Kg 	

Note: Prices can be found in our price list, download link at our web-site:
www.rfhamdesign.com