

Specifications Sheet

PRIME FOCUS MESH DISH KIT **4.5 Meter DISH** **F/D = 0.45**



- ✓ 4.5 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.
- ✓ RF HAMDESIGN can offer you several dish feeds brackets used to mount dish feed.
- ✓ Built up notes in the supplied user manual described step by step with lot of pictures.
- ✓ All delivered mounting parts are made of stainless steel and or aluminum.
- ✓ To assemble RF HAMDESIGN's DISH KIT you will only need some small hand tools, a little hand driller, a metal saw, an fine liner, a small metal hand cutter, a open end spanner No. 10, 13 and 17 and a Hand riveter.
- ✓ Assembly time is about 11...13 hours.
- ✓ Available 6 and 2.8mm square mesh (max 6GHz / 11GHz)



Specifications 4.5 Meter Prime Focus Mesh Dish.

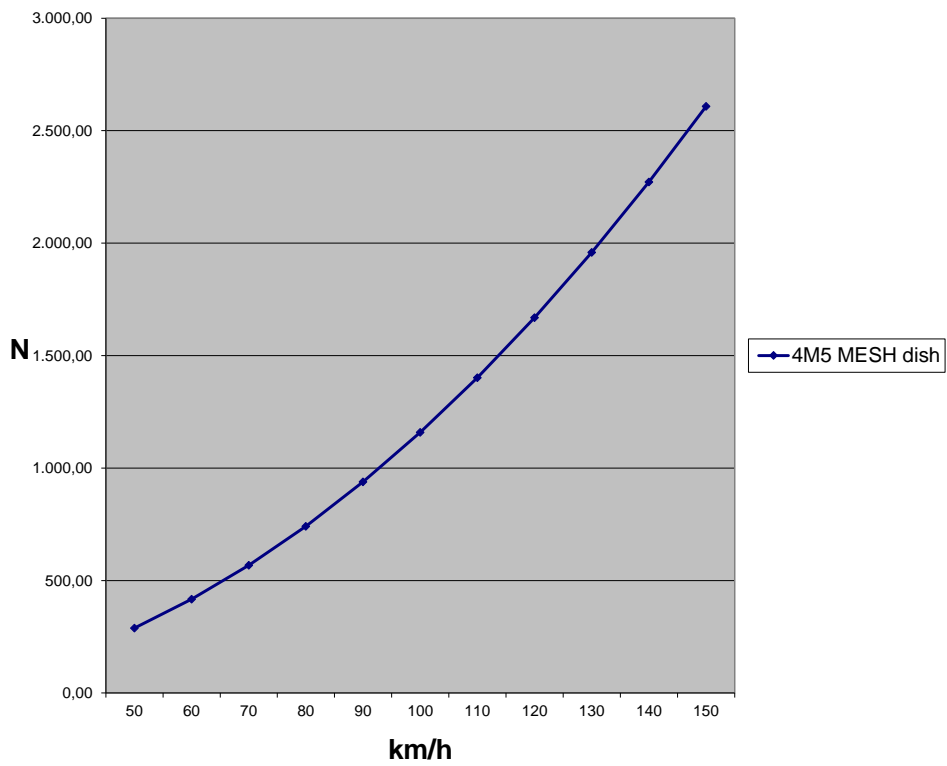
6.1 mm square Mesh useable up to	6 GHz
Weight 4.5 Meter Dish (ex dish feed)	68,5 Kg
Windload 120 Km/h 6.1 mm square mesh	1669 Newton
Windload 120 Km/h 2.8 mm square mesh	2290 Newton
DISH Surface area	15.99 M2
Supplied including Mast clamp	No = available option
2pcs CNC Milled center (HUB) Aluminum	40cm diameter / 15mm thickness
20mm assembled ribs ready to place	16 pcs
Inner rings to secure mesh	6 pcs
Easy to place outer RIM	1 pc
4 leg dish Feed support	20mm sq (4 pcs) (Option 3 leg support)
Availbale F/D	F/D = 0.45
Focal length	202.5 cm

Gain calculation

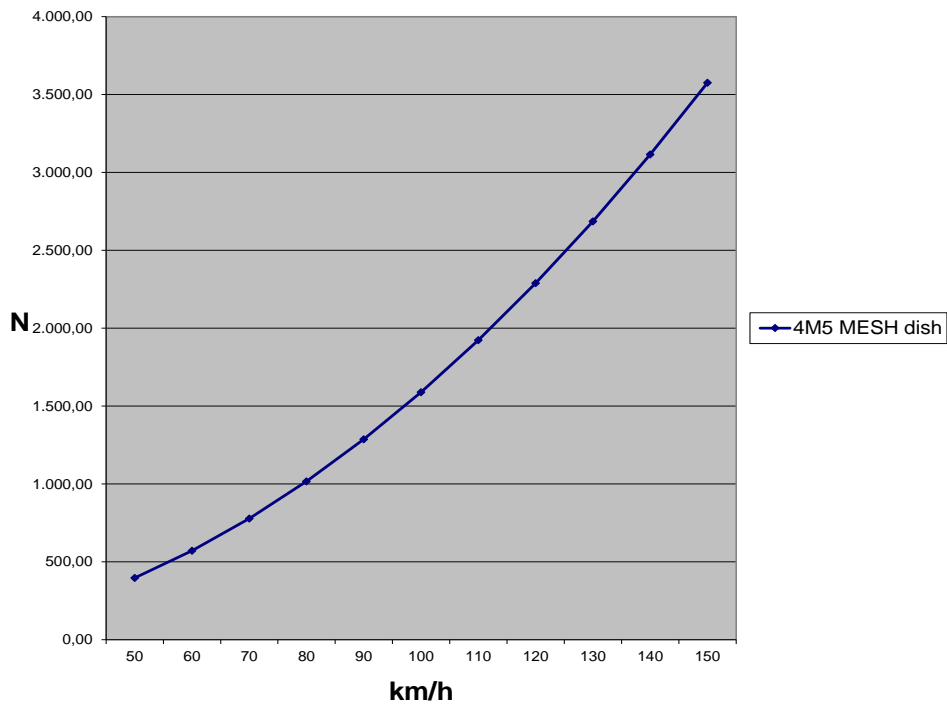
(Surface quality factor (η) 0.65)

Frequency MHz	Gain dBi	1/2-power (3 dB) beam widths Degree
432	24.3	10.7
1296	33.8	3.9
2320	38.9	2.1
3456	42.3	1.3
5760	46.8	0.8

**RF HAMDESIGN
WIND LOAD - 4M5 MESH DISH 6 mm Mesh**



**RF HAMDESIGN
WIND LOAD - 4M5 MESH DISH 2.8 mm Mesh**



Option: 2.8mm Mesh is no longer available

