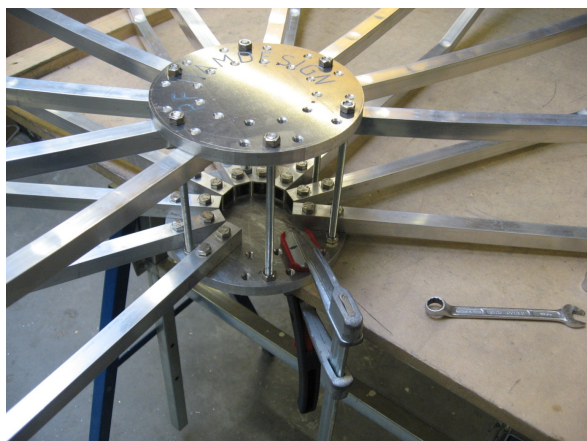


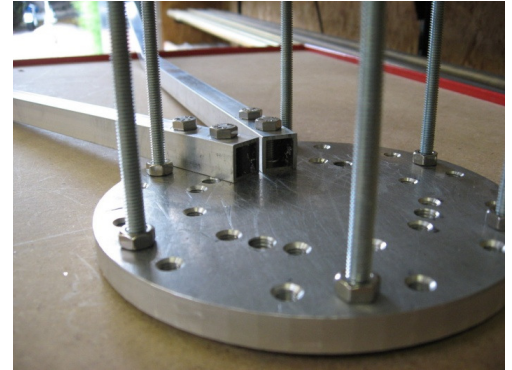
Specifications Sheet:
PRIME FOCUS MESH DISH KIT
2.4 Meter DISH
Available F/D = 0.40 / 0.45 / 0.50



2.4 meter DISH KIT



- ✓ This 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.
- ✓ Built up notes of each Mesh Dish are in the delivered 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, some writing stuff, a small metal hand cutter, a open end spanner No. 10 and 13 and a Hand riveter
- ✓ Assembly time is about 5...6 hours.



Specifications 2.4 Meter Prime Focus Mesh Dish

| | |
|------------------------------------|--|
| Mesh useable up to | 6 GHz |
| Weight 2.4M dish (ex dish feed) | 14 Kg |
| Wind load 120 Km/h | 525 Newton |
| Mast clamp | 48 – 52 mm |
| 2 pcs CNC Milled center | Aluminum, 15cm diameter / 10mm thickness |
| 15mm assembled ribs ready to place | 12 pcs |
| Inner rings to secure mesh | 3 pcs |
| Easy to place outer RIM | 1 pcs |
| Feed support including | 3 – leg 15mm/sq |
| Available F/D | 0.4 / 0.45 / 0.50 |

Gain calculation

(Surface quality factor (η) 0.65)

| Frequency MHz | Gain dBd | 1/2-power (3 dB) beam widths dB |
|---------------|----------|---------------------------------|
| 1296 | 26.1 | 7.1 |
| 2320 | 31.1 | 4.0 |
| 3456 | 34.5 | 2.7 |
| 5760 | 39.0 | 1.6 |

Focal length

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

| DISH SIZE | F/D=0.40 | F/D=0.45 | F/D=0.50 |
|-----------|----------|----------|----------|
| 2.4 meter | 96 cm | 108 cm | 120 cm |

Available options:

| | |
|--|--|
| <ul style="list-style-type: none">➤ SPID Azimuth / Elevation rotator, 12 / 24 Volts➤ 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 Dish <-> Rotator➤ Made of aluminium➤ Stainless steel bolts➤ Easy to mount at all SPID AZ&EL rotators |  |
| <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 |  |

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

RF HAMDESIGN WIND LOAD - 2.4 Meter MESH DISH

