

# Reflector Antennas and Feeds 0.6m (2 ft) and 0.9m (3 ft)



Peak Antennas' spun aluminum, parabolic, 0.6m (2 ft) and **new 0.9m (3 ft)** diameter reflector and feed systems are ideal for portable ENG applications. The reflectors have a solid aluminum central hub with helicoil inserts, to accept the (removable) feed which is fitted from the front. The feeds feature captive thumbscrews to quickly and simply make a robust deployment. The RF connector is at the inner end of the feed, and so when assembled is at the back face of the reflector hub. The reflector assemblies can be mounted to a tripod bracket or other interface using the 1/4-20 tapped holes in the rear face of the central hub.

Feeds are available for different frequency bands, with either **linear** or **circular polarization**, in either single or (**new**) **dual-polar** configurations. Dual-polar feeds feature two N connectors.



0.6 m reflector showing rear hub.



R3Feed-225-HandV

## The antenna systems all feature:

- |            |   |
|------------|---|
| Reflector: | 0.6m (2 ft) and 0.9m (3 ft) diameter spun aluminum with white powder coat finish. |
| Feeds:     | Return loss: 14 dBi typical (1.5 to 1 VSWR)                                       |
|            | Polarization: Linear or Circular (specify) Single or <b>dual-polar</b>            |
| Connector: | N female  |
| Color:     | White   |

## PEAK ANTENNAS

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# Reflector Antennas and Feeds 0.6m (2 ft) and 0.9m (3 ft)

Designation	Frequency	System Gain	Beamwidth
Reflector R1 (0.6m (2 foot) diameter spun aluminum parabolic reflector with back hub)			
Reflector R3 (0.9m (3 foot) diameter spun aluminum parabolic reflector with back hub)			
R1Feed225	1.98-2.50 GHz	21dBi	15 degrees
R1Feed250	2.30-2.70 GHz	22dBi	14 degrees
R1Feed340	3.2-3.6 GHz	25dBi	10 degrees
R1Feed350	3.30-3.70 GHz	25dBi	10 degrees
R1Feed470	4.40-5.00 GHz	27dBi	7.5 degrees
R1Feed675	6.40-7.30 GHz	29dBi	5.5 degrees
R1Feed700	6.8-7.2 GHz	29dBi	5.5 degrees
R1Feed1300	12.75-13.25 GHz	34dBi	3.5 degrees
R3Feed150	1.4-1.6 GHz	21.5dBi	14 degrees
R3Feed168	1.67-1.69 GHz	22.5dBi	12.5 degrees
R3Feed225	1.98-2.50 GHz	25dBi	9.5 degrees
R3Feed250	2.30-2.70 GHz	26dBi	8.5 degrees
R3Feed340	3.2-3.6 GHz	29dBi	5.5 degrees
R3Feed350	3.30-3.70 GHz	29dBi	5.5 degrees
R3Feed470	4.40-5.00 GHz	31dBi	4.5 degrees
R3Feed675	6.40-7.20 GHz	33.5dBi	3.5 degrees

Feeds are available with linear or circular polarization.

Please ask us if your application requires a frequency band not listed here.



Reflectors R1 and R3, with in-line 6 GHz band feed and 1.5 GHz feed, respectively.



Reflector R1 with 6 GHz band feed R1Feed675 in use tracking helicopter transmissions.

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# Reflector Antennas and Feeds 0.6m (2 ft) and 0.9m (3 ft)



ReflectorR1 with bracket for tripod head.



ReflectorR3 with bracket for tripod head.

Mounting brackets for reflectors R1 and R3:

R1/R3 Bracket Stainless steel bracket, suitable for tripod head mounting.

R1 Bracket Stainless steel slotted bracket suitable for pole mounting.



ReflectorR1 with  
bracket for pole  
mounting.

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