

## Portable Parabolic Antennas

The family of parabolic antennas for field production includes 2, 3, and 4-foot antennas to cover the major microwave bands, including:

- 1.7 to 1.99 GHz
- 1.99 to 2.7 GHz
- 6.4 to 7.4 GHz
- 7.1 to 7.7 GHz
- 7.4 to 8.0 GHz
- 12.7 to 13.2 GHz
- 14.4 to 15.35 GHz

Most antennas are available in each band. The 2-foot antennas are available with optional mounts; Twist Lock Reflector and Quick Connect Feed. Both approaches to mounting offer advantages:

- The Twist Lock Reflector mount is compact and very easy to connect and disconnect.
- The Quick Connect Feed design makes it particularly easy to store the antenna dishes and feeds, while also making it possible to change feeds in the field without changing the reflector or mount.

The L-bracket design for the tripod mount is both compact and rugged.



The aluminum reflectors offer superior performance in a lightweight design.

The available antenna mounting systems are fast and easy to deploy and can be set up without the need for tools.



STRATA Duplex System  
4' Diameter Parabolic Antenna  
with L-Bracket Mount



Twist Lock Reflector

## Key Features

- Choice of mounts:
  - Twist Lock Reflector
  - Quick Connect Feed
- Available in 2, 3, or 4-foot diameters

## Typical Applications

- Parabolic Antennas for portable microwave links

## 2-Foot (60 CM)

	2 GHz	6 GHz	6 GHz	13 GHz	15 GHz
Frequency Range	1.9 to 2.7 GHz	6.4 to 7.4 GHz	7.1 to 7.7 GHz	12.7 to 13.2 GHz	14.4 to 15.35 GHz
Gain, Typical	19 dBi	30 dBi	31 dBi	35 dBi	36 dBi
Beamwidth, Typical	15°	4.5°	4.4°	2°	1.8°
Polarization Options					
Linear	✓	✓	✓	✓	✓
Circular Right & Left	✓	-	-	-	-
RCP/ LIN/ LCP (switchable)	-	✓	✓	✓	-
Mounting Options					
Quick Connect Feed	✓	✓	✓	✓	✓
Twist Lock Reflector * 1.7 to 1.99 optional	✓	✓	✓	✓	-

## 3-Foot (90 CM)

	2 GHz	6 GHz	6 GHz	13 GHz	15 GHz
Frequency Range	1.9 to 2.7 GHz	6.4 to 7.4 GHz	7.1 to 7.7 GHz	12.7 to 13.2 GHz	14.4 to 15.35 GHz
Gain, Typical	23 dBi	32.5 dBi	34 dBi	38 dBi	40 dBi
Beamwidth, Typical	10°	3°	2.8°	1.5°	1.3°
Polarization Options					
Linear	✓	✓	✓	✓	✓
Circular Right & Left	✓	-	-	-	-
RCP/ LIN/ LCP (switchable)	-	✓	✓	✓	-
Mounting Options					
Quick Connect Feed	✓	✓	✓	✓	✓

## 4-Foot (120 CM)

	2 GHz	6 GHz	6 GHz	13 GHz	15 GHz
Frequency Range	1.9 to 2.7 GHz	6.4 to 7.4 GHz	7.1 to 7.7 GHz	12.7 to 13.2 GHz	14.4 to 15.35 GHz
Gain, Typical	25 dBi	36 dBi	37 dBi	41 dBi	42 dBi
Beamwidth, Typical	8°	2.5°	2.4°	1.2°	1.1°
Polarization Options					
Linear	✓	✓	✓	✓	✓
Circular Right & Left	✓	-	-	-	-
RCP/ LIN/ LCP (switchable)	-	✓	✓	✓	-
Mounting Options					
Quick Connect Feed * 1.7 to 1.99 optional	✓	✓	✓	✓	✓

In addition to radio and tripod mounting configurations, the 2-foot, 3-foot, and 4-foot parabolic antennas are also available in pole mount and tower mount versions.