

# True Focus Antenna Specifications

## OFFSET

## PRIME FOCUS

### ANTENNAS

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Model Number	E 1.8	E 2.4	P4	P4.5	P5	P6	P610	P8	P8H	P8C	4P10	4P12.5	4P14
Diameter: Ft./(Meters)	6'0"/(1.8)	8'0"/(2.4)	4'0"/(1.2)	4'6"/(4.5)	5'0"/(1.35)	6'0"/(1.8)	6'10"/(2.0)	8'0"/(2.4)	7'10"/(2.4)	8'0"/(2.4)	10'0"/(3.0)	12'6"/(3.8)	14'0"/(4.2)
C-Band Gain	36.2	38.1	32.6	33	33.7	36.3	36.8	38.5	38.5	39	41	42.6	43.7
Ku-Band Gain	45.9	47.6	42.2	43	43.5	46	46.4	47.5	47.5	48	50	51.3	52.4
C & Ku-Band Efficiency	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%	70%	65%
2 Degree Spacing	YES	YES	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES
C-Band 3Db Beamwidth	2.8	2.2	N/A	N/A	3.3	2.6	2.3	2.2	2.2	2.2	1.75	1.35	1.3
C-Band 1st Sidelobe (dB)	31	30	17	18	20	22	24	25	25	25	27	31	31
C-Band Antenna Temp. (at 30 Degrees Elevation)	33K	38K	N/A	N/A	N/A	30K	25K	23K	23K	22K	21K	19K	17K
Reflector Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Number of Sections	ONE	ONE	ONE	ONE	ONE	ONE	ONE	ONE	ONE	ONE	FOUR	FOUR	FOUR
Number of Ribs	4	4	4	4	4	4	4	N/A	N/A	4	N/A	N/A	N/A
F/D Ratio	0.610	0.610	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375
Focal Length	43.92"	58.56"	18"	20.25"	22.5"	27"	30.75"	35.375"	34.25"	35.375"	45"	56.25"	63"
Steel Back Rib Structure	YES	YES	YES	YES	YES	YES	YES	N/A	N/A	YES	N/A	N/A	N/A
Feed Support	TRI	TRI	TRI	TRI	TRI	TRI	TRI	TRI	TRI	TRI	QUAD	QUAD	QUAD
Actuator Arm Length	N/A	N/A	18"	18"	18"	18"	18"	18"	18"	N/A	36"	36"	N/A
Wind Survival	100	100	100	100	100	100	100	100	100	100	125	120	100
Mount Pipe Size (O.D.)	3.5"	4.5"	3.5"	3.5"	3.5"	3.5"	3.5"	3.5"	3.5" & 4"	4.5"	6.625	6.625	6.625
Weight (Reflector)	70 lbs.	99 lbs.	23 lbs.	27 lbs.	32 lbs.	41 lbs.	65 lbs.	50 lbs.	55 lbs.	96 lbs.	170 lbs.	260 lbs.	325 lbs.
Warranty (Years)	10	10	10	10	10	10	10	10	10	10	10	10	10
Fabrication	Hydroform	Hydroform	Hydroform	Hydroform	Hydroform	Hydroform	Hydroform	Hydroform	Hydroform	Hydroform	Hydroform	Hydroform	Hydroform
Paint Finish	Powder Coating	Powder Coating	Powder Coating	Powder Coating	Powder Coating	Powder Coating	Powder Coating	Powder Coating	Powder Coating	Powder Coating	Powder Coating	Powder Coating	Powder Coating
<b>Mounts</b>	<b>E 1.8</b>	<b>E 2.4</b>	<b>P4</b>	<b>P4.5</b>	<b>P5</b>	<b>P6</b>	<b>P610</b>	<b>P8</b>	<b>P8H</b>	<b>P8C</b>	<b>4P10</b>	<b>4P12.5</b>	<b>4P14</b>
Commercial Polar	N/A	N/A	YES	YES	YES	YES	YES	YES	YES	N/A	YES	YES	N/A
Commercial AZ-EL	YES	YES	YES	YES	YES	YES	YES	N/A	YES	YES	YES	YES	YES
Patio	N/A	N/A	YES	YES	YES	YES	YES	N/A	N/A	N/A	N/A	N/A	N/A
Roof	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	N/A	N/A	N/A

Feed Recommendations: Chaparral, Seavey, and ADL

All OFFSET ANTENNAS are DBS compatible.

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