

HYPERFOCAL DISTANCE CHART

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When you wish to shoot with maximum depth of field, you need to focus on a point known as the Hyperfocal Distance.

When the camera is focused at this point, everything in the picture should be sharp from half way between it and the camera, to infinity.

	f/1.0	f/1.4	f/2.0	f/2.8	f/4.0	f/5.6	f/8.0	f/11.0	f/16.0	f/22.0	f/32.0	f/45.0	f/64.0
10 mm	21.87 ft	15.47 ft	10.94 ft	7.73 ft	5.47 ft	3.87 ft	2.73 ft	1.93 ft	1.37 ft	0.97 ft	0.68 ft	0.48 ft	0.34 ft
12 mm	31.50 ft	22.27 ft	15.75 ft	11.14 ft	7.87 ft	5.57 ft	3.94 ft	2.78 ft	1.97 ft	1.39 ft	0.98 ft	0.70 ft	0.49 ft
14 mm	42.87 ft	30.31 ft	21.43 ft	15.16 ft	10.72 ft	7.58 ft	5.36 ft	3.79 ft	2.68 ft	1.89 ft	1.34 ft	0.95 ft	0.67 ft
15 mm	49.21 ft	34.80 ft	24.61 ft	17.40 ft	12.30 ft	8.70 ft	6.15 ft	4.35 ft	3.08 ft	2.17 ft	1.54 ft	1.09 ft	0.77 ft
16 mm	55.99 ft	39.59 ft	28.00 ft	19.80 ft	14.00 ft	9.90 ft	7.00 ft	4.95 ft	3.50 ft	2.47 ft	1.75 ft	1.24 ft	0.87 ft
17 mm	63.21 ft	44.70 ft	31.61 ft	22.35 ft	15.80 ft	11.17 ft	7.90 ft	5.59 ft	3.95 ft	2.79 ft	1.98 ft	1.40 ft	0.99 ft
18 mm	70.87 ft	50.11 ft	35.43 ft	25.05 ft	17.72 ft	12.53 ft	8.86 ft	6.26 ft	4.43 ft	3.13 ft	2.21 ft	1.57 ft	1.11 ft
20 mm	87.49 ft	61.86 ft	43.74 ft	30.93 ft	21.87 ft	15.47 ft	10.94 ft	7.73 ft	5.47 ft	3.87 ft	2.73 ft	1.93 ft	1.37 ft
22 mm	105.86 ft	74.86 ft	52.93 ft	37.43 ft	26.47 ft	18.71 ft	13.23 ft	9.36 ft	6.62 ft	4.68 ft	3.31 ft	2.34 ft	1.65 ft
24 mm	125.98 ft	89.08 ft	62.99 ft	44.54 ft	31.50 ft	22.27 ft	15.75 ft	11.14 ft	7.87 ft	5.57 ft	3.94 ft	2.78 ft	1.97 ft
28 mm	171.48 ft	121.25 ft	85.74 ft	60.63 ft	42.87 ft	30.31 ft	21.43 ft	15.16 ft	10.72 ft	7.58 ft	5.36 ft	3.79 ft	2.68 ft
35 mm	267.94 ft	189.46 ft	133.97 ft	94.73 ft	66.98 ft	47.36 ft	33.49 ft	23.68 ft	16.75 ft	11.84 ft	8.37 ft	5.92 ft	4.19 ft
40 mm	349.96 ft	247.46 ft	174.98 ft	123.73 ft	87.49 ft	61.86 ft	43.74 ft	30.93 ft	21.87 ft	15.47 ft	10.94 ft	7.73 ft	5.47 ft
45 mm	442.91 ft	313.19 ft	221.46 ft	156.59 ft	110.73 ft	78.30 ft	55.36 ft	39.15 ft	27.68 ft	19.57 ft	13.84 ft	9.79 ft	6.92 ft
50 mm	546.81 ft	386.65 ft	273.40 ft	193.33 ft	136.70 ft	96.66 ft	68.35 ft	48.33 ft	34.18 ft	24.17 ft	17.09 ft	12.08 ft	8.54 ft
55 mm	661.64 ft	467.85 ft	330.82 ft	233.92 ft	165.41 ft	116.96 ft	82.70 ft	58.48 ft	41.35 ft	29.24 ft	20.68 ft	14.62 ft	10.34 ft
60 mm	787.40 ft	556.78 ft	393.70 ft	278.39 ft	196.85 ft	139.19 ft	98.43 ft	69.60 ft	49.21 ft	34.80 ft	24.61 ft	17.40 ft	12.30 ft
65 mm	924.10 ft	653.44 ft	462.05 ft	326.72 ft	231.03 ft	163.36 ft	115.51 ft	81.68 ft	57.76 ft	40.84 ft	28.88 ft	20.42 ft	14.44 ft
70 mm	1,071.74 ft	757.84 ft	535.87 ft	378.92 ft	267.94 ft	189.46 ft	133.97 ft	94.73 ft	66.98 ft	47.36 ft	33.49 ft	23.68 ft	16.75 ft
75 mm	1,230.31 ft	869.96 ft	615.16 ft	434.98 ft	307.58 ft	217.49 ft	153.79 ft	108.75 ft	76.89 ft	54.37 ft	38.45 ft	27.19 ft	19.22 ft
80 mm	1,399.83 ft	989.83 ft	699.91 ft	494.91 ft	349.96 ft	247.46 ft	174.98 ft	123.73 ft	87.49 ft	61.86 ft	43.74 ft	30.93 ft	21.87 ft
85 mm	1,580.27 ft	1,117.42 ft	790.14 ft	558.71 ft	395.07 ft	279.36 ft	197.53 ft	139.68 ft	98.77 ft	69.84 ft	49.38 ft	34.92 ft	24.69 ft
90 mm	1,771.65 ft	1,252.75 ft	885.83 ft	626.37 ft	442.91 ft	313.19 ft	221.46 ft	156.59 ft	110.73 ft	78.30 ft	55.36 ft	39.15 ft	27.68 ft
100 mm	2,187.23 ft	1,546.60 ft	1,093.61 ft	773.30 ft	546.81 ft	386.65 ft	273.40 ft	193.33 ft	136.70 ft	96.66 ft	68.35 ft	48.33 ft	34.18 ft
105 mm	2,411.42 ft	1,705.13 ft	1,205.71 ft	852.56 ft	602.85 ft	426.28 ft	301.43 ft	213.14 ft	150.71 ft	106.57 ft	75.36 ft	53.29 ft	37.68 ft
135 mm	3,986.22 ft	2,818.68 ft	1,993.11 ft	1,409.34 ft	996.56 ft	704.67 ft	498.28 ft	352.34 ft	249.14 ft	176.17 ft	124.57 ft	88.08 ft	62.28 ft
180 mm	7,086.61 ft	5,010.99 ft	3,543.31 ft	2,505.50 ft	1,771.65 ft	1,252.75 ft	885.83 ft	626.37 ft	442.91 ft	313.19 ft	221.46 ft	156.59 ft	110.73 ft
200 mm	8,748.91 ft	6,186.41 ft	4,374.45 ft	3,093.21 ft	2,187.23 ft	1,546.60 ft	1,093.61 ft	773.30 ft	546.81 ft	386.65 ft	273.40 ft	193.33 ft	136.70 ft
300 mm	19,685.04 ft	13,919.42 ft	9,842.52 ft	6,959.71 ft	4,921.26 ft	3,479.86 ft	2,460.63 ft	1,739.93 ft	1,230.31 ft	869.96 ft	615.16 ft	434.98 ft	307.58 ft
400 mm	34,995.63 ft	24,745.64 ft	17,497.81 ft	12,372.82 ft	8,748.91 ft	6,186.41 ft	4,374.45 ft	3,093.21 ft	2,187.23 ft	1,546.60 ft	1,093.61 ft	773.30 ft	546.81 ft
500 mm	54,680.67 ft	38,665.07 ft	27,340.33 ft	19,332.53 ft	13,670.17 ft	9,666.27 ft	6,835.08 ft	4,833.13 ft	3,417.54 ft	2,416.57 ft	1,708.77 ft	1,208.28 ft	854.39 ft
600 mm	78,740.16 ft	55,677.70 ft	39,370.08 ft	27,838.85 ft	19,685.04 ft	13,919.42 ft	9,842.52 ft	6,959.71 ft	4,921.26 ft	3,479.86 ft	2,460.63 ft	1,739.93 ft	1,230.31 ft