

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	14.26 ft	10.09 ft	7.13 ft	5.04 ft	3.57 ft	2.52 ft	1.78 ft	1.26 ft	0.89 ft	0.63 ft	0.45 ft	0.32 ft	0.22 ft
12 mm	20.54 ft	14.52 ft	10.27 ft	7.26 ft	5.14 ft	3.63 ft	2.57 ft	1.82 ft	1.28 ft	0.91 ft	0.64 ft	0.45 ft	0.32 ft
14 mm	27.96 ft	19.77 ft	13.98 ft	9.88 ft	6.99 ft	4.94 ft	3.49 ft	2.47 ft	1.75 ft	1.24 ft	0.87 ft	0.62 ft	0.44 ft
15 mm	32.10 ft	22.69 ft	16.05 ft	11.35 ft	8.02 ft	5.67 ft	4.01 ft	2.84 ft	2.01 ft	1.42 ft	1.00 ft	0.71 ft	0.50 ft
16 mm	36.52 ft	25.82 ft	18.26 ft	12.91 ft	9.13 ft	6.46 ft	4.56 ft	3.23 ft	2.28 ft	1.61 ft	1.14 ft	0.81 ft	0.57 ft
17 mm	41.22 ft	29.15 ft	20.61 ft	14.58 ft	10.31 ft	7.29 ft	5.15 ft	3.64 ft	2.58 ft	1.82 ft	1.29 ft	0.91 ft	0.64 ft
18 mm	46.22 ft	32.68 ft	23.11 ft	16.34 ft	11.55 ft	8.17 ft	5.78 ft	4.09 ft	2.89 ft	2.04 ft	1.44 ft	1.02 ft	0.72 ft
20 mm	57.06 ft	40.35 ft	28.53 ft	20.17 ft	14.26 ft	10.09 ft	7.13 ft	5.04 ft	3.57 ft	2.52 ft	1.78 ft	1.26 ft	0.89 ft
22 mm	69.04 ft	48.82 ft	34.52 ft	24.41 ft	17.26 ft	12.20 ft	8.63 ft	6.10 ft	4.32 ft	3.05 ft	2.16 ft	1.53 ft	1.08 ft
24 mm	82.16 ft	58.10 ft	41.08 ft	29.05 ft	20.54 ft	14.52 ft	10.27 ft	7.26 ft	5.14 ft	3.63 ft	2.57 ft	1.82 ft	1.28 ft
28 mm	111.83 ft	79.08 ft	55.92 ft	39.54 ft	27.96 ft	19.77 ft	13.98 ft	9.88 ft	6.99 ft	4.94 ft	3.49 ft	2.47 ft	1.75 ft
35 mm	174.74 ft	123.56 ft	87.37 ft	61.78 ft	43.69 ft	30.89 ft	21.84 ft	15.45 ft	10.92 ft	7.72 ft	5.46 ft	3.86 ft	2.73 ft
40 mm	228.23 ft	161.38 ft	114.12 ft	80.69 ft	57.06 ft	40.35 ft	28.53 ft	20.17 ft	14.26 ft	10.09 ft	7.13 ft	5.04 ft	3.57 ft
45 mm	288.86 ft	204.25 ft	144.43 ft	102.13 ft	72.21 ft	51.06 ft	36.11 ft	25.53 ft	18.05 ft	12.77 ft	9.03 ft	6.38 ft	4.51 ft
50 mm	356.61 ft	252.16 ft	178.31 ft	126.08 ft	89.15 ft	63.04 ft	44.58 ft	31.52 ft	22.29 ft	15.76 ft	11.14 ft	7.88 ft	5.57 ft
55 mm	431.50 ft	305.12 ft	215.75 ft	152.56 ft	107.88 ft	76.28 ft	53.94 ft	38.14 ft	26.97 ft	19.07 ft	13.48 ft	9.53 ft	6.74 ft
60 mm	513.52 ft	363.12 ft	256.76 ft	181.56 ft	128.38 ft	90.78 ft	64.19 ft	45.39 ft	32.10 ft	22.69 ft	16.05 ft	11.35 ft	8.02 ft
65 mm	602.68 ft	426.16 ft	301.34 ft	213.08 ft	150.67 ft	106.54 ft	75.33 ft	53.27 ft	37.67 ft	26.63 ft	18.83 ft	13.32 ft	9.42 ft
70 mm	698.96 ft	494.24 ft	349.48 ft	247.12 ft	174.74 ft	123.56 ft	87.37 ft	61.78 ft	43.69 ft	30.89 ft	21.84 ft	15.45 ft	10.92 ft
75 mm	802.38 ft	567.37 ft	401.19 ft	283.68 ft	200.59 ft	141.84 ft	100.30 ft	70.92 ft	50.15 ft	35.46 ft	25.07 ft	17.73 ft	12.54 ft
80 mm	912.93 ft	645.54 ft	456.46 ft	322.77 ft	228.23 ft	161.38 ft	114.12 ft	80.69 ft	57.06 ft	40.35 ft	28.53 ft	20.17 ft	14.26 ft
85 mm	1,030.61 ft	728.75 ft	515.31 ft	364.38 ft	257.65 ft	182.19 ft	128.83 ft	91.09 ft	64.41 ft	45.55 ft	32.21 ft	22.77 ft	16.10 ft
90 mm	1,155.43 ft	817.01 ft	577.71 ft	408.50 ft	288.86 ft	204.25 ft	144.43 ft	102.13 ft	72.21 ft	51.06 ft	36.11 ft	25.53 ft	18.05 ft
100 mm	1,426.45 ft	1,008.65 ft	713.23 ft	504.33 ft	356.61 ft	252.16 ft	178.31 ft	126.08 ft	89.15 ft	63.04 ft	44.58 ft	31.52 ft	22.29 ft
105 mm	1,572.66 ft	1,112.04 ft	786.33 ft	556.02 ft	393.17 ft	278.01 ft	196.58 ft	139.01 ft	98.29 ft	69.50 ft	49.15 ft	34.75 ft	24.57 ft
135 mm	2,599.71 ft	1,838.27 ft	1,299.85 ft	919.14 ft	649.93 ft	459.57 ft	324.96 ft	229.78 ft	162.48 ft	114.89 ft	81.24 ft	57.45 ft	40.62 ft
180 mm	4,621.70 ft	3,268.04 ft	2,310.85 ft	1,634.02 ft	1,155.43 ft	817.01 ft	577.71 ft	408.50 ft	288.86 ft	204.25 ft	144.43 ft	102.13 ft	72.21 ft
200 mm	5,705.81 ft	4,034.62 ft	2,852.90 ft	2,017.31 ft	1,426.45 ft	1,008.65 ft	713.23 ft	504.33 ft	356.61 ft	252.16 ft	178.31 ft	126.08 ft	89.15 ft
300 mm	12,838.07 ft	9,077.89 ft	6,419.03 ft	4,538.94 ft	3,209.52 ft	2,269.47 ft	1,604.76 ft	1,134.74 ft	802.38 ft	567.37 ft	401.19 ft	283.68 ft	200.59 ft
400 mm	22,823.23 ft	16,138.46 ft	11,411.62 ft	8,069.23 ft	5,705.81 ft	4,034.62 ft	2,852.90 ft	2,017.31 ft	1,426.45 ft	1,008.65 ft	713.23 ft	504.33 ft	356.61 ft
500 mm	35,661.30 ft	25,216.35 ft	17,830.65 ft	12,608.17 ft	8,915.33 ft	6,304.09 ft	4,457.66 ft	3,152.04 ft	2,228.83 ft	1,576.02 ft	1,114.42 ft	788.01 ft	557.21 ft
600 mm	51,352.28 ft	36,311.54 ft	25,676.14 ft	18,155.77 ft	12,838.07 ft	9,077.89 ft	6,419.03 ft	4,538.94 ft	3,209.52 ft	2,269.47 ft	1,604.76 ft	1,134.74 ft	802.38 ft