

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	5.26 m	3.72 m	2.63 m	1.86 m	1.32 m	0.93 m	0.66 m	0.47 m	0.33 m	0.23 m	0.16 m	0.12 m	0.08 m
12 mm	7.58 m	5.36 m	3.79 m	2.68 m	1.89 m	1.34 m	0.95 m	0.67 m	0.47 m	0.33 m	0.24 m	0.17 m	0.12 m
14 mm	10.32 m	7.29 m	5.16 m	3.65 m	2.58 m	1.82 m	1.29 m	0.91 m	0.64 m	0.46 m	0.32 m	0.23 m	0.16 m
15 mm	11.84 m	8.37 m	5.92 m	4.19 m	2.96 m	2.09 m	1.48 m	1.05 m	0.74 m	0.52 m	0.37 m	0.26 m	0.19 m
16 mm	13.47 m	9.53 m	6.74 m	4.76 m	3.37 m	2.38 m	1.68 m	1.19 m	0.84 m	0.60 m	0.42 m	0.30 m	0.21 m
17 mm	15.21 m	10.76 m	7.61 m	5.38 m	3.80 m	2.69 m	1.90 m	1.34 m	0.95 m	0.67 m	0.48 m	0.34 m	0.24 m
18 mm	17.05 m	12.06 m	8.53 m	6.03 m	4.26 m	3.01 m	2.13 m	1.51 m	1.07 m	0.75 m	0.53 m	0.38 m	0.27 m
20 mm	21.05 m	14.89 m	10.53 m	7.44 m	5.26 m	3.72 m	2.63 m	1.86 m	1.32 m	0.93 m	0.66 m	0.47 m	0.33 m
22 mm	25.47 m	18.01 m	12.74 m	9.01 m	6.37 m	4.50 m	3.18 m	2.25 m	1.59 m	1.13 m	0.80 m	0.56 m	0.40 m
24 mm	30.32 m	21.44 m	15.16 m	10.72 m	7.58 m	5.36 m	3.79 m	2.68 m	1.89 m	1.34 m	0.95 m	0.67 m	0.47 m
28 mm	41.26 m	29.18 m	20.63 m	14.59 m	10.32 m	7.29 m	5.16 m	3.65 m	2.58 m	1.82 m	1.29 m	0.91 m	0.64 m
35 mm	64.47 m	45.59 m	32.24 m	22.79 m	16.12 m	11.40 m	8.06 m	5.70 m	4.03 m	2.85 m	2.01 m	1.42 m	1.01 m
40 mm	84.21 m	59.55 m	42.11 m	29.77 m	21.05 m	14.89 m	10.53 m	7.44 m	5.26 m	3.72 m	2.63 m	1.86 m	1.32 m
45 mm	106.58 m	75.36 m	53.29 m	37.68 m	26.64 m	18.84 m	13.32 m	9.42 m	6.66 m	4.71 m	3.33 m	2.36 m	1.67 m
50 mm	131.58 m	93.04 m	65.79 m	46.52 m	32.89 m	23.26 m	16.45 m	11.63 m	8.22 m	5.82 m	4.11 m	2.91 m	2.06 m
55 mm	159.21 m	112.58 m	79.61 m	56.29 m	39.80 m	28.14 m	19.90 m	14.07 m	9.95 m	7.04 m	4.98 m	3.52 m	2.49 m
60 mm	189.47 m	133.98 m	94.74 m	66.99 m	47.37 m	33.49 m	23.68 m	16.75 m	11.84 m	8.37 m	5.92 m	4.19 m	2.96 m
65 mm	222.37 m	157.24 m	111.18 m	78.62 m	55.59 m	39.31 m	27.80 m	19.65 m	13.90 m	9.83 m	6.95 m	4.91 m	3.47 m
70 mm	257.89 m	182.36 m	128.95 m	91.18 m	64.47 m	45.59 m	32.24 m	22.79 m	16.12 m	11.40 m	8.06 m	5.70 m	4.03 m
75 mm	296.05 m	209.34 m	148.03 m	104.67 m	74.01 m	52.34 m	37.01 m	26.17 m	18.50 m	13.08 m	9.25 m	6.54 m	4.63 m
80 mm	336.84 m	238.18 m	168.42 m	119.09 m	84.21 m	59.55 m	42.11 m	29.77 m	21.05 m	14.89 m	10.53 m	7.44 m	5.26 m
85 mm	380.26 m	268.89 m	190.13 m	134.44 m	95.07 m	67.22 m	47.53 m	33.61 m	23.77 m	16.81 m	11.88 m	8.40 m	5.94 m
90 mm	426.32 m	301.45 m	213.16 m	150.73 m	106.58 m	75.36 m	53.29 m	37.68 m	26.64 m	18.84 m	13.32 m	9.42 m	6.66 m
100 mm	526.32 m	372.16 m	263.16 m	186.08 m	131.58 m	93.04 m	65.79 m	46.52 m	32.89 m	23.26 m	16.45 m	11.63 m	8.22 m
105 mm	580.26 m	410.31 m	290.13 m	205.15 m	145.07 m	102.58 m	72.53 m	51.29 m	36.27 m	25.64 m	18.13 m	12.82 m	9.07 m
135 mm	959.21 m	678.26 m	479.61 m	339.13 m	239.80 m	169.57 m	119.90 m	84.78 m	59.95 m	42.39 m	29.98 m	21.20 m	14.99 m
180 mm	1,705.26 m	1,205.80 m	852.63 m	602.90 m	426.32 m	301.45 m	213.16 m	150.73 m	106.58 m	75.36 m	53.29 m	37.68 m	26.64 m
200 mm	2,105.26 m	1,488.65 m	1,052.63 m	744.32 m	526.32 m	372.16 m	263.16 m	186.08 m	131.58 m	93.04 m	65.79 m	46.52 m	32.89 m
300 mm	4,736.84 m	3,349.45 m	2,368.42 m	1,674.73 m	1,184.21 m	837.36 m	592.11 m	418.68 m	296.05 m	209.34 m	148.03 m	104.67 m	74.01 m
400 mm	8,421.05 m	5,954.58 m	4,210.53 m	2,977.29 m	2,105.26 m	1,488.65 m	1,052.63 m	744.32 m	526.32 m	372.16 m	263.16 m	186.08 m	131.58 m
500 mm	13,157.89 m	9,304.04 m	6,578.95 m	4,652.02 m	3,289.47 m	2,326.01 m	1,644.74 m	1,163.00 m	822.37 m	581.50 m	411.18 m	290.75 m	205.59 m
600 mm	18,947.37 m	13,397.81 m	9,473.68 m	6,698.91 m	4,736.84 m	3,349.45 m	2,368.42 m	1,674.73 m	1,184.21 m	837.36 m	592.11 m	418.68 m	296.05 m