

Depth of field

SIGMA 70mm F2.8 EX DG MACRO

f = 70mm Permissible circle of confusion = 0.033333mm

Distance	INF		1.50m		0.90m		0.70m		0.55m		0.45m	
F number	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front
2.8	INF	49.609	1.541	1.462	0.913	0.887	0.707	0.693	0.554	0.546	0.452	0.448
4	INF	36.038	1.556	1.448	0.918	0.883	0.710	0.690	0.555	0.545	0.453	0.447
5.6	INF	25.506	1.581	1.427	0.926	0.876	0.714	0.687	0.558	0.543	0.454	0.446
8	INF	18.058	1.617	1.399	0.937	0.866	0.720	0.681	0.561	0.540	0.456	0.444
11	INF	12.791	1.672	1.362	0.953	0.853	0.729	0.674	0.566	0.535	0.459	0.441
16	INF	9.067	1.756	1.312	0.977	0.835	0.742	0.663	0.572	0.530	0.463	0.438
22	INF	6.434	1.891	1.248	1.013	0.812	0.761	0.649	0.582	0.522	0.469	0.433

f = 70mm

Distance	0.40m		0.35m		0.32m		0.30m		0.29m		0.28m	
F number	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front
2.8	0.402	0.398	0.351	0.349	0.321	0.319	0.301	0.299	0.290	0.290	0.280	0.280
4	0.402	0.398	0.351	0.349	0.321	0.319	0.301	0.299	0.291	0.289	0.281	0.279
5.6	0.403	0.397	0.352	0.348	0.321	0.319	0.301	0.299	0.291	0.289	0.281	0.279
8	0.405	0.396	0.353	0.347	0.322	0.318	0.302	0.298	0.291	0.289	0.281	0.279
11	0.406	0.394	0.354	0.346	0.323	0.317	0.302	0.298	0.292	0.288	0.282	0.278
16	0.409	0.391	0.356	0.344	0.324	0.316	0.303	0.297	0.293	0.287	0.282	0.278
22	0.413	0.388	0.358	0.342	0.326	0.314	0.305	0.296	0.294	0.286	0.283	0.277

f = 70mm

Distance	0.27m		0.26m		0.257m	
F number	Rear	Front	Rear	Front	Rear	Front
2.8	0.270	0.270	0.260	0.260	0.257	0.257
4	0.270	0.270	0.260	0.260	0.257	0.257
5.6	0.271	0.269	0.260	0.260	0.257	0.257
8	0.271	0.269	0.261	0.259	0.258	0.256
11	0.271	0.269	0.261	0.259	0.258	0.256
16	0.272	0.268	0.261	0.259	0.258	0.256
22	0.273	0.268	0.262	0.258	0.258	0.256

(Unit: meter)

Depth of field

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Distance	INF		1:5		1:3		1:2		1:1.5		1:1.3	
F number	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front
2.8	INF	49.609	0.492	0.486	0.361	0.358	0.301	0.300	0.275	0.275	0.267	0.267
4	INF	36.038	0.493	0.485	0.361	0.358	0.302	0.300	0.275	0.274	0.268	0.267
5.6	INF	25.506	0.494	0.483	0.362	0.357	0.302	0.300	0.276	0.274	0.268	0.267
8	INF	18.058	0.497	0.481	0.363	0.357	0.302	0.299	0.276	0.274	0.268	0.266
11	INF	12.791	0.500	0.478	0.364	0.355	0.303	0.299	0.276	0.273	0.268	0.266
16	INF	9.067	0.505	0.474	0.366	0.353	0.304	0.298	0.277	0.273	0.269	0.266
22	INF	6.434	0.512	0.468	0.369	0.351	0.305	0.296	0.278	0.272	0.269	0.265

f = 70mm

Distance	1:1.1		1:1	
F number	Rear	Front	Rear	Front
2.8	0.260	0.260	0.257	0.257
4	0.260	0.260	0.257	0.257
5.6	0.260	0.260	0.257	0.257
8	0.261	0.259	0.258	0.256
11	0.261	0.259	0.258	0.256
16	0.261	0.259	0.258	0.256
22	0.262	0.258	0.258	0.256

(Unit: meter)