

Depth of field

SIGMA 18-50mm F2.8 EX DC

f = 18

Permissible circle of confusion = 0.033333mm

Distance	INF		3.00m		1.00m		0.50m		0.28m	
F number	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front
2.8	INF	3.624	17.042	1.678	1.329	0.808	0.558	0.454	0.292	0.269
4	INF	2.671	INF	1.450	1.519	0.756	0.584	0.440	0.297	0.265
5.6	INF	1.913	INF	1.203	1.959	0.690	0.630	0.420	0.306	0.260
8	INF	1.377	INF	0.975	3.390	0.615	0.711	0.395	0.318	0.253
11	INF	0.997	INF	0.775	INF	0.536	0.877	0.366	0.339	0.243
16	INF	0.729	INF	0.609	INF	0.457	1.352	0.333	0.375	0.232
22	INF	0.539	INF	0.475	INF	0.384	8.348	0.297	0.448	0.218
32	INF	0.405	INF	0.371	INF	0.318	INF	0.261	0.651	0.203

(Unit: meter)

Depth of field

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f = 24

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Distance	INF		3.00m		1.00m		0.50m		0.28m	
F number	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front
2.8	INF	5.990	5.916	2.025	1.178	0.871	0.535	0.470	0.288	0.273
4	INF	4.381	9.381	1.809	1.263	0.832	0.550	0.460	0.291	0.270
5.6	INF	3.119	96.633	1.559	1.422	0.779	0.574	0.445	0.296	0.266
8	INF	2.227	INF	1.307	1.736	0.716	0.613	0.426	0.304	0.261
11	INF	1.596	INF	1.069	2.552	0.643	0.679	0.403	0.316	0.254
16	INF	1.150	INF	0.855	8.181	0.565	0.807	0.375	0.334	0.245
22	INF	0.834	INF	0.673	INF	0.485	1.121	0.342	0.366	0.234
32	INF	0.611	INF	0.525	INF	0.408	2.729	0.306	0.428	0.220

(Unit: meter)

Depth of field

SIGMA 18-50mm F2.8 EX DC

f = 28

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Distance	INF		3.00m		1.00m		0.50m		0.28m	
F number	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front
2.8	INF	8.117	4.717	2.210	1.127	0.900	0.526	0.477	0.286	0.274
4	INF	5.972	5.972	2.019	1.183	0.869	0.537	0.469	0.289	0.272
5.6	INF	4.243	10.240	1.781	1.281	0.825	0.554	0.457	0.293	0.269
8	INF	3.020	INF	1.530	1.454	0.770	0.580	0.442	0.298	0.265
11	INF	2.155	INF	1.278	1.806	0.705	0.623	0.422	0.307	0.259
16	INF	1.544	INF	1.042	2.776	0.631	0.698	0.397	0.320	0.251
22	INF	1.112	INF	0.831	12.997	0.552	0.846	0.368	0.342	0.242
32	INF	0.806	INF	0.652	INF	0.472	1.234	0.334	0.379	0.230

(Unit: meter)

Depth of field

SIGMA 18-50mm F2.8 EX DC

f = 35

Permissible circle of confusion = 0.033333mm

Distance	INF		3.00m		1.00m		0.50m		0.28m	
F number	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front
2.8	INF	12.622	3.920	2.433	1.081	0.931	0.518	0.484	0.285	0.276
4	INF	9.231	4.426	2.275	1.114	0.908	0.525	0.478	0.286	0.274
5.6	INF	6.545	5.525	2.070	1.170	0.875	0.536	0.469	0.289	0.272
8	INF	4.645	8.546	1.837	1.260	0.833	0.552	0.458	0.293	0.269
11	INF	3.302	38.943	1.587	1.416	0.780	0.578	0.443	0.299	0.264
16	INF	2.352	INF	1.334	1.720	0.716	0.619	0.423	0.307	0.258
22	INF	1.681	INF	1.092	2.494	0.643	0.690	0.399	0.321	0.250
32	INF	1.206	INF	0.873	7.204	0.564	0.827	0.369	0.343	0.240

(Unit: meter)

Depth of field

SIGMA 18-50mm F2.8 EX DC

f = 50

Permissible circle of confusion = 0.033333mm

Distance	INF		3.00m		1.00m		0.50m		0.28m	
F number	Rear	Front	Rear	Front	Rear	Front	Rear	Front	Rear	Front
2.8	INF	24.037	3.432	2.665	1.044	0.960	0.510	0.490	0.283	0.277
4	INF	17.631	3.623	2.562	1.061	0.946	0.514	0.486	0.284	0.276
5.6	INF	12.480	3.966	2.416	1.088	0.925	0.521	0.481	0.286	0.275
8	INF	8.838	4.579	2.237	1.130	0.898	0.530	0.474	0.288	0.272
11	INF	6.263	5.870	2.025	1.195	0.862	0.543	0.464	0.292	0.269
16	INF	4.442	9.792	1.787	1.302	0.815	0.564	0.450	0.297	0.265
22	INF	3.154	206.197	1.534	1.491	0.758	0.596	0.433	0.305	0.260
32	INF	2.243	INF	1.280	1.884	0.691	0.649	0.411	0.317	0.252

(Unit: meter)