

Shutter Speeds for ND Filters in seconds [\(Hours, Minutes & Seconds\)](#)

Camera Speed	One Stop	Two Stop	Three Stop	Four Stop	Five Stop	Six Stop	Seven Stop	Eight Stop	Nine Stop	Ten Stop
1/8000	1/4000	1/2000	1/1000	1/500	1/250	1/125	1/60	1/30	1/15	1/8
1/6400	1/3200	1/1600	1/800	1/400	1/200	1/100	1/50	1/25	1/13	1/6
1/5000	1/2500	1/1250	1/640	1/320	1/160	1/80	1/40	1/20	1/10	1/5
1/4000	1/2000	1/1000	1/500	1/250	1/125	1/60	1/30	1/15	1/8	1/4
1/3200	1/1600	1/800	1/400	1/200	1/100	1/50	1/25	1/12	1/6	0.3
1/2500	1/1250	1/640	1/320	1/160	1/80	1/40	1/20	1/10	1/5	0.4
1/2000	1/1000	1/500	1/250	1/125	1/60	1/30	1/15	1/8	1/4	0.5
1/1600	1/800	1/400	1/200	1/100	1/50	1/25	1/12	1/6	0.3	0.6
1/2500	1/640	1/320	1/160	1/80	1/40	1/20	1/10	1/5	0.4	0.8
1/1000	1/500	1/250	1/125	1/60	1/30	1/15	1/8	1/4	0.5	1
1/800	1/400	1/200	1/100	1/50	1/25	1/12	1/6	0.3	0.6	1.3
1/640	1/320	1/160	1/80	1/40	1/20	1/10	1/5	0.4	0.8	1.6
1/500	1/250	1/125	1/60	1/30	1/15	1/8	1/4	0.5	1	2
1/400	1/200	1/100	1/50	1/25	1/13	1/6	0.3	0.6	1.3	2.5
1/320	1/160	1/80	1/40	1/20	1/10	1/5	0.4	0.8	1.6	3.2
1/250	1/125	1/60	1/30	1/15	1/8	1/4	0.5	1	2	4
1/200	1/100	1/50	1/25	1/13	1/6	0.3	0.6	1.3	2.5	5
1/160	1/80	1/40	1/20	1/10	1/5	0.4	0.8	1.6	3.2	6
1/125	1/60	1/30	1/15	1/8	1/4	0.5	1	2	4	8
1/100	1/50	1/25	1/13	1/6	0.3	0.6	1.3	2.5	5	10
1/80	1/40	1/20	1/10	1/5	0.4	0.8	1.6	3.2	6	13
1/60	1/30	1/15	1/8	1/4	0.5	1	2	4	8	15
1/50	1/25	1/13	1/6	0.3	0.6	1.3	2.5	5	10	20
1/40	1/20	1/10	1/5	0.4	0.8	1.6	3.2	6	13	25
1/30	1/15	1/8	1/4	0.5	1	2	4	8	15	30
1/25	1/13	1/6	0.3	0.6	1.3	2.5	5	10	20	40
1/20	1/10	1/5	0.4	0.8	1.6	3.2	6	13	25	50
1/15	1/8	1/4	0.5	1	2	4	8	15	30	60 (1m)

1/13	1/6	0.3	0.6	1.3	2.5	5	10	20	40	80 (1m 20s)
1/10	1/5	0.4	0.8	1.6	3.2	6	13	25	50	100 (1m 40s)
1/8	1/4	0.5	1	2	4	8	15	30	60	120 (2m)
1/6	0.3	0.6	1.3	2.5	5	10	20	40	80 (1m 20s)	160 (2m 40s)
1/5	0.4	0.8	1.6	3.2	6	13	25	50	100 (1m 40s)	200 (3m 20s)
1/4	0.5	1	2	4	8	15	30	60 (1m)	120 (2m)	240 (4m)
0.3	0.6	1.3	2.5	5	10	20	40	80 (1m 20s)	160 (2m 40s)	320 (5m 20s)
0.4	0.8	1.6	3.2	6	13	25	50	100 (1m 40s)	200 (3m 20s)	400 (6m 40s)
0.5	1	2	4	8	15	30	60 (1m)	120 (2m)	240 (4m)	480 (8m)
0.6	1.3	2.5	5	10	20	40	80 (1m 20s)	160 (2m 40s)	320 (5m 20s)	640 (10m 40s)
0.8	1.6	3.2	6	13	25	50	100 (1m 40s)	200 (3m 20s)	400 (6m 40s)	800 (13m 20s)
1	2	4	8	15	30	60 (1m)	120 (2m)	240 (4m)	480 (8m)	960 (16m)
1.3	2.5	5	10	20	40	80 (1m 20s)	160 (2m 40s)	320 (5m 20s)	640 (10m 40s)	1280 (21m 20s)
1.6	3.2	6	13	25	50	100 (1m 40s)	200 (3m 20s)	400 (6m 40s)	800 (13m 20s)	1600 (26m 40s)
2	4	8	15	30	60 (1m)	120 (2m)	240 (4m)	480 (8m)	960 (16m)	1920 (32m)
2.5	5	10	20	40	80 (1m 20s)	160 (2m 40s)	320 (5m 20s)	640 (10m 40s)	1280 (21m 20s)	2560 (42m 40s)
3.2	6	13	25	50	100 (1m 40s)	200 (3m 20s)	400 (6m 40s)	800 (13m 20s)	1600 (26m 40s)	3200 (53m 20s)
4	8	15	30	60 (1m)	120 (2m)	240 (4m)	480 (8m)	960 (16m)	1920 (32m)	3840 (1h 4m)
5	10	20	40	80 (1m 20s)	160 (2m 40s)	320 (5m 20s)	640 (10m 40s)	1280 (21m 20s)	2560 (42m 40s)	5120 (1h 25m 20s)
6	13	25	50	100 (1m 40s)	200 (3m 20s)	400 (6m 40s)	800 (13m 20s)	1600 (26m 40s)	3200 (53m 20s)	6400 (1h 46m 40s)
8	15	30	60 (1m)	120 (2m)	240 (4m)	480 (8m)	960 (16m)	1920 (32m)	3840 (1h 4m)	7680 (2h 8m)
10	20	40	80 (1m 20s)	160 (2m 40s)	320 (5m 20s)	640 (10m 40s)	1280 (21m 20s)	2560 (42m 40s)	5120 (1h 25m 20s)	10240 (2h 50m 40s)
13	25	50	100 (1m 40s)	200 (3m 20s)	400 (6m 40s)	800 (13m 20s)	1600 (26m 40s)	3200 (53m 20s)	6400 (1h 46m 40s)	12800 (3h 33m 20s)
15	30	60 (1m)	120 (2m)	240 (4m)	480 (8m)	960 (16m)	1920 (32m)	3840 (1h 4m)	7680 (2h 8m)	15360 (4h 16m)
20	40	80 (1m 20s)	160 (2m 40s)	320 (5m 20s)	640 (10m 40s)	1280 (21m 20s)	2560 (42m 40s)	5120 (1h 25m 20s)	10240 (2h 50m 40s)	20480 (5h 41m 20s)
25	50	100 (1m 40s)	200 (3m 20s)	400 (6m 40s)	800 (13m 20s)	1600 (26m 40s)	3200 (53m 20s)	6400 (1h 46m 40s)	12800 (3h 33m 20s)	25600 (7h 6m 40s)
30	60 (1m)	120 (2m)	240 (4m)	480 (8m)	960 (16m)	1920 (32m)	3840 (1h 4m)	7680 (2h 8m)	15360 (4h 16m)	30720 (8h 32m)