

# Pinhole Camera Exposure Durations

## METER AT ISO 100

Recommended to use a meter for exposure calculations – all exposures adjusted for metering at ISO 100

## F/135

			Fomapan 100	Fuji Neopan Acros 100	Ilford B&W 100	Kodak Ektar 100	Fuji Velvia 100	Fuji Velvia 50	Kodak Portra 160	Kodak Portra 400
Exposure Value	Time for f/22	F/135	With Reciprocity Failure							
			RF	RF	RF	RF	RF	RF	RF	RF
At ISO 100	1/1000	1/30								
	1/500	1/15				← not recommended				
	1/250	1/8				(too fast)				
	1/125	1/4								
15	1/60	1/2	½	½	½	½	½	1 s	1 s	
14	1/30	1 s	4 s	1	3 s	2 s	1 s	3 s	3 s	
13	1/15	2.5 s	14 s	2.5 s	6 s	4 s	2.5 s	6 s	6 s	1 s
12	1/8	5 s	32 s	5 s	12 s	8 s	5 s	13 s	13 s	2 s
11	1/4	9 s	1 m	9 s	28 s	18 s	9 s	39 s	35 s	4 s
10	1/2	19 s	3 m	19 s	1 m	40 s	19 s	1m 28 s	1 m 29 s	10 s
9	1 s	38 s	7 m	38 s	4 m	1 m 30 s	38 s	2 m 50 s	3 m 48 s	26 s
8	2 s	1 m 15 s	17 m	1 m 15 s	12 m	3 m 30 s	1 m 15 s	6 m	9 m 45 s	1 m 6 s
7	4 s	2 m 30s	51 m	3 m	45 m	8 m	3 m 20 s	13 m	25 m	2 m 48 s
6	8 s	5 m	3 h	7.5 m	3 h	19 m 30 s	7 m 30 s	25 m	1 h 4m	7 m 12 s
5	15 s	9 m 30 s	9 h	15 m	10 h	42 m 30 s	16 m	50 m	2 h 44 m	18 m 28 s
4	30 s	19 m	32 h	30 m	38 h	1 h 40 m	38 m	1 h 40 m	7 h 3m	47 m 25 s
3	1 m	38 m	123 h	60 m	149 h	4h	1 h 15 m	2 h 20 m	18 h 6 m	2 h 2 m
2	2 m	1 h 15m	481 h	2 h	594 h	10 h	2 h 30 m	5 h	30 h 52 m	5 h 12 m

**NOTES:** Adapted from exposure charts created by:

Pinhole Designer application: <http://www.pinhole.cz/en/pinholedesigner/>