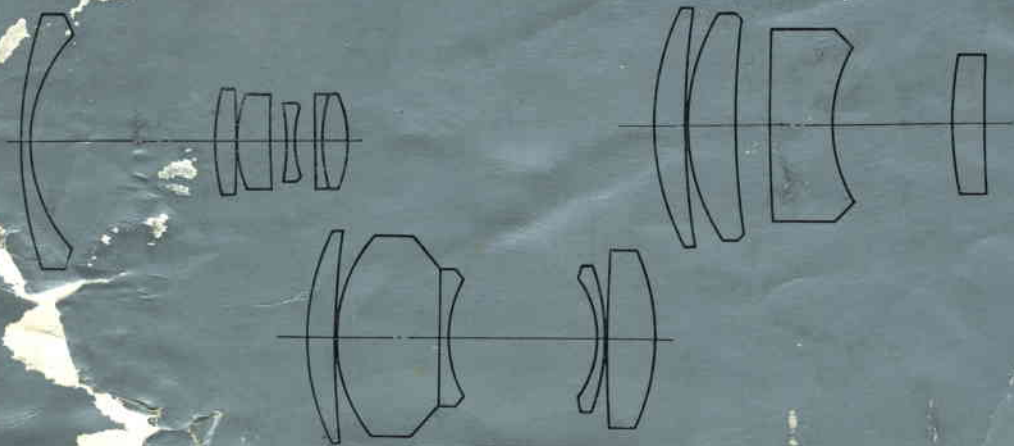


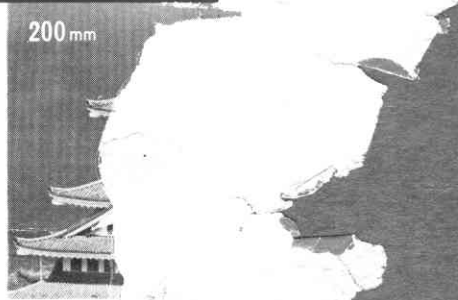
HEXANON LENSES

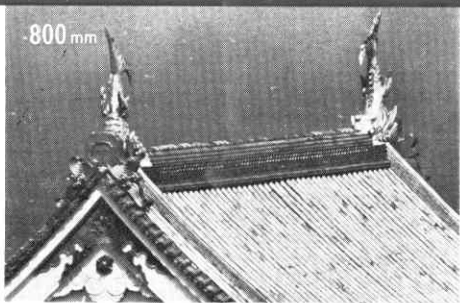
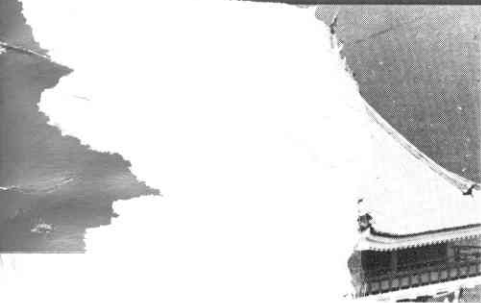


KONICA

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Subject coverage differences obtained by
HEXANON Interchangeable Lenses
(photos taken from the same position).





XANON F/2.8 35mm

(Automatic Aperture)

● Full Automatic Aperture

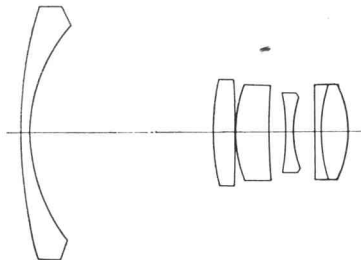
With lenses provided with full automatic aperture, the aperture remains fully open for viewing and focusing regardless of the f/ setting selected for picture-taking. At the instant the shutter is actuated, the automatic iris diaphragm closes down to the pre-set size, then immediately opens up again to provided maximum brightness for viewing and picture composition.



CONSTRUCTION OF LENS.....	6 elements in 5 groups.
APERTURE MECHANISM.....	Fully automatic action.
MINIMUM APERTURE.....	f/16
DISTANCE SCALE.....	0.6 to 10 meters, and ∞ 2 to 30 feet, and ∞
PICTURE ANGLE	63°
FILTERS.....	55 mm screw-in type, thread pitch 0.75 mm.
LENS HOOD	57 mm slip-over type.
WEIGHT.....	240 grams.

HEXANON F/2.8 35m

(Pre-set Aperture)



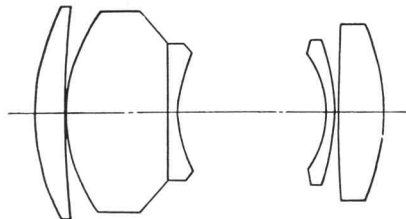
● Filters for the 35-mm, 100-mm and 135-mm lenses as well as for the rear insertion 400-mm and 800-mm lenses are the same as for the standard lens.

CONSTRUCTION OF LENS.....	6 elements in 5 groups.
APERTURE MECHANISM.....	Manual pre-set, automatic stop down. Equidistant scale graduation.
MINIMUM APERTURE.....	f/22
DISTANCE SCALE.....	0.3 to 10 meters, and ∞ 1 to 30 feet, and ∞
PICTURE ANGLE.....	63°
FILTERS.....	55 mm screw-in type, thread pitch 0.75 mm.
LENS HOOD.....	57 mm slip-over type.
WEIGHT.....	250 grams.



HEXANON F/2.8 100mm

(Automatic Aperture)



CONSTRUCTION OF LENS... 5 elements in 4 groups.
APERTURE MECHANISMFully automatic action.
MINIMUM APERTUREf/16
DISTANCE SCALE1.5 to 30 meters, and ∞
5 to 100 feet, and ∞
PICTURE ANGLE 24°
FILTERS 55 mm screw-in type,
thread pitch 0.75 mm.
LENS HOOD 57 mm slip-over type
WEIGHT260 grams.

HEXANON F/2.8 100mm

● Pre-set Type Aperture

(Pre-set Aperture)

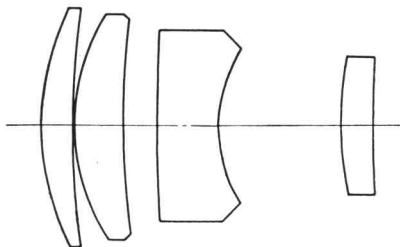
Two aperture control rings are provided, adjacent to one another. The forward ring, with click stops, is used for presetting the aperture value. The rear ring is for manual opening up of the iris diaphragm. The forward ring is set at the aperture value selected for picture-taking, then the rear ring is turned to open up the diaphragm for maximum ease of viewing, focusing and picture composition. For actual shooting, the rear aperture ring is turned back until it stops at the pre-set aperture value. There is no need for visual check of the ring position.

CONSTRUCTION OF LENS	5 elements in 4 groups.
APERTURE MECHANISM	Manual pre-set, automatic stop down, Equidistant scale graduation.
MINIMUM APERTURE	f/22
DISTANCE SCALE	1 to 30 meters, and ∞ 3.5 to 100 feet, and ∞
PICTURE ANGLE	24°
FILTERS	55 mm screw-in type, thread pitch 0.75 mm.
LENS HOOD	57 mm slip-over type.
WEIGHT	335 grams.



HEXANON F/3.5 135mm

(Automatic Aperture)



CONSTRUCTION OF LENS 4 elements in 4 groups.
APERTURE MECHANISM Fully automatic action.
MINIMUM APERTURE f/16
DISTANCE SCALE 1.8 to 50 meters, and 6 to 100 feet, and ∞
PICTURE ANGLE 18°
FILTERS 55 mm screw-in type, thread pitch 0.75 mm.
LENS HOOD 57 mm slip-over type.
WEIGHT 445 grams.

HEXANON F/3.5 135mm

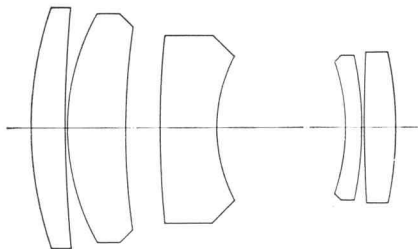
(Pre-set Aperture)

- The 35-mm, 100-mm and 135-mm interchangeable lenses are available in two types--full automatic aperture, and pre-set type aperture. Optical design and performance of these two types of lenses are completely identical.

CONSTRUCTION OF LENS	4 elements in 4 groups.
APERTURE MECHANISM	Manual pre-set, automatic stop down, Equidistant scale graduation.
MINIMUM APERTURE	f/22
DISTANCE SCALE	1.5 to 50 meters, and ∞ 5 to 100 feet, and ∞
PICTURE ANGLE	18°
FILTERS	55 mm screw-in type, thread pitch 0.75 mm.
LENS HOOD	57 mm slip-over type.
WEIGHT	368 grams.

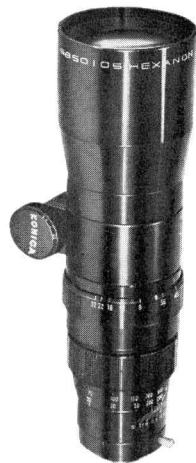
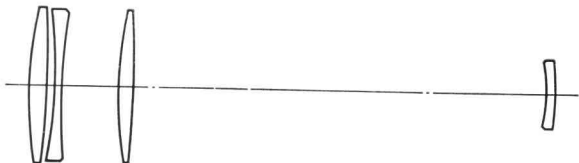


HEXANON F/3.5 200mm



CONSTRUCTION OF LENS	5 elements in 5 groups.
APERTURE MECHANISM	Manual pre-set, automatic stop down.
MINIMUM APERTURE	f/22
DISTANCE SCALE	2.5 to 50 meters, and ∞ 8 to 200 feet, and ∞
PICTURE ANGLE	12°
FILTERS	67mm Screw-in type, thread pitch 0.75mm
LENS HOOD	67mm screw-in type.
WEIGHT	915 grams.

HEXANON F/4.5 400mm

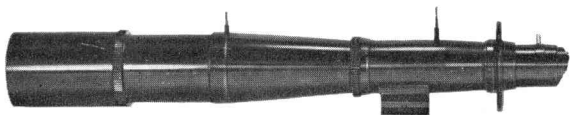


● In the case of lenses designed for rear insertion of filter, a filter of one type or another must always be attached and kept in use.

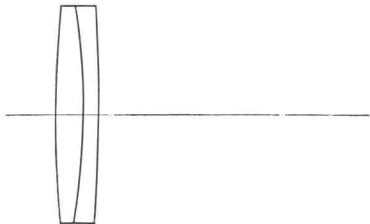
- | | |
|-----------------------------------|---|
| CONSTRUCTION OF LENS | 4 elements in 4 groups |
| APERTURE MECHANISM | Manual control. |
| MINIMUM APERTURE | f/32 |
| DISTANCE SCALE | 8 to 200 meters, and ∞
26 to 600 feet, and ∞ |
| PICTURE ANGLE | 6° |
| FILTERS | Special rear-end insertion type. UV, furnished. (55mm screw-in type, thread pitch 0.75mm) |
| LENS HOOD | 95mm screw-in type |
| OTHER FEATURES | Swivel socket for tripod mounting. |

HEXANON F/8 800mm

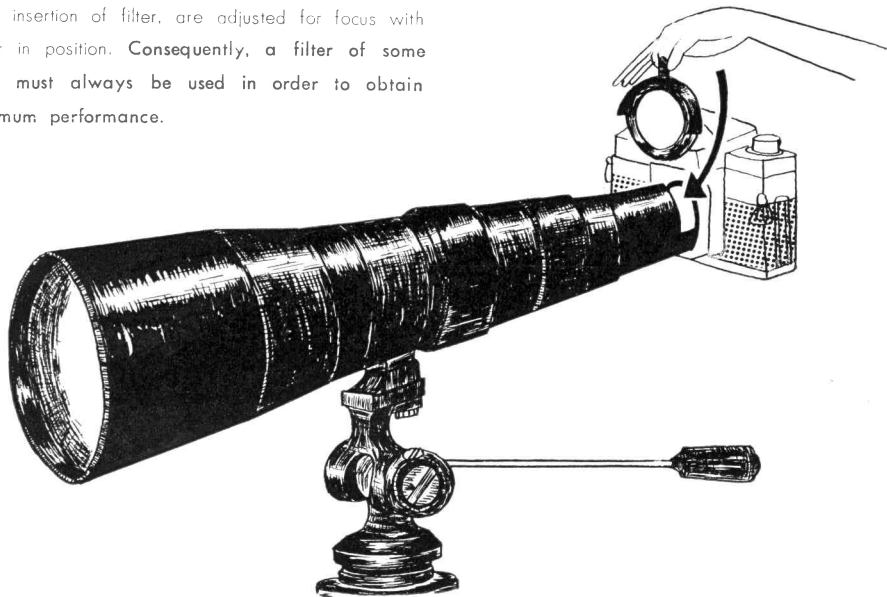
● In the case of lenses designed for rear insertion of filter, a filter of one type or another must always be attached and kept in use.



CONSTRUCTION OF LENS	2 elements in one group
APERTURE MECHANISM	Manual control.
MINIMUM APERTURE	f/45
DISTANCE SCALE	20 to 500 meters, and ∞ 70 to 1500 feet, and ∞
PICTURE ANGLE	3°
FILTERS	Special rear-end insertion type. UV , furnished. (55mm screw-in type. thread pitch 0.75mm)
LENS HOOD	Special retractable hood fitted.
OTHER FEATURES	Change of camera position from horizontal to vertical. Special tripod, and sights furnished



- The 400-mm and 800-mm lenses, designed for rear insertion of filter, are adjusted for focus with filter in position. Consequently, a filter of some kind must always be used in order to obtain optimum performance.



DEPTH OF FIELD TABLE

circle of confusion, $\frac{3}{100}$ mm (in meters)

Meter \ F No.	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.5	2.0	2.5	3.0	5.0	10.0	∞
2.8	0.30 ~ 0.31	0.39 ~ 0.41	0.49 ~ 0.51	0.58 ~ 0.62	0.68 ~ 0.73	0.76 ~ 0.84	0.94 ~ 1.07	1.11 ~ 1.30	1.36 ~ 1.67	1.76 ~ 2.32	2.13 ~ 3.04	2.47 ~ 3.83	3.67 ~ 7.92	5.75 ~ 39.98	13.28 ~ ∞
4	0.30 ~ 0.31	0.39 ~ 0.41	0.49 ~ 0.52	0.57 ~ 0.63	0.67 ~ 0.74	0.75 ~ 0.86	0.92 ~ 1.10	1.08 ~ 1.35	1.31 ~ 1.76	1.67 ~ 2.50	2.00 ~ 3.35	2.30 ~ 4.34	3.29 ~ 10.59	4.87 ~ ∞	9.32 ~ ∞
5.6	0.29 ~ 0.31	0.39 ~ 0.41	0.48 ~ 0.52	0.56 ~ 0.64	0.66 ~ 0.75	0.73 ~ 0.89	0.89 ~ 1.15	1.04 ~ 1.43	1.25 ~ 1.89	1.57 ~ 2.78	1.85 ~ 3.89	2.11 ~ 5.31	2.90 ~ 19.3	4.05 ~ ∞	6.68 ~ ∞
8	0.29 ~ 0.31	0.38 ~ 0.42	0.47 ~ 0.53	0.55 ~ 0.66	0.64 ~ 0.78	0.70 ~ 0.93	0.85 ~ 1.23	0.98 ~ 1.55	1.17 ~ 2.12	1.44 ~ 3.35	1.67 ~ 5.14	1.87 ~ 7.99	2.47 ~ ∞	3.24 ~ ∞	4.70 ~ ∞
11	0.29 ~ 0.31	0.38 ~ 0.43	0.46 ~ 0.55	0.53 ~ 0.69	0.62 ~ 0.81	0.68 ~ 0.99	0.80 ~ 1.34	0.92 ~ 1.75	1.08 ~ 2.53	1.31 ~ 4.54	1.49 ~ 8.67	1.65 ~ 22.13	2.08 ~ ∞	2.59 ~ ∞	3.44 ~ ∞
16	0.29 ~ 0.32	0.37 ~ 0.44	0.45 ~ 0.57	0.51 ~ 0.75	0.59 ~ 0.88	0.63 ~ 1.12	0.74 ~ 1.60	0.84 ~ 2.24	0.96 ~ 3.73	1.13 ~ 11.28	1.27 ~ ∞	1.37 ~ ∞	1.66 ~ ∞	1.96 ~ ∞	2.39 ~ ∞
22	0.28 ~ 0.32	0.36 ~ 0.46	0.43 ~ 0.61	0.50 ~ 0.78	0.56 ~ 0.97	0.61 ~ 1.20	0.71 ~ 1.79	0.80 ~ 2.64	0.91 ~ 5.10	1.06 ~ 70.78	1.17 ~ ∞	1.26 ~ ∞	1.49 ~ ∞	1.73 ~ ∞	2.05 ~ ∞

(F 2.8 35)

circle of confusion, $\frac{3}{100}$ mm (in feet)

F No.	Feet													
	1.0	1.2	1.5	2.0	2.5	3.0	3.5	4.0	5.0	7.0	10.0	15.0	30.0	∞
2.8	1'00"	1'02"	1'05"	1'11"	2'05"	2'10"	3'03"	3'08"	4'06"	6'01"	8'03"	11'03"	17'11"	43'07"
	1'01"	1'03"	1'06"	2'01"	2'07"	3'02"	3'09"	4'04"	5'07"	8'03"	12'10"	22'07"	95'01"	∞
4	1'00"	1'02"	1'05"	1'11"	2'04"	2'09"	3'02"	3'07"	4'04"	5'09"	7'08"	10'02"	15'03"	30'07"
	1'01"	1'03"	1'07"	2'01"	2'08"	3'03"	3'11"	4'06"	5'10"	8'11"	15'07"	28'11"	∞	∞
5.6	1'00"	1'02"	1'05"	1'10"	2'04"	2'08"	3'01"	3'05"	4'02"	5'05"	7'00"	7'01"	12'10"	21'11"
	1'01"	1'03"	1'07"	2'02"	2'09"	3'05"	4'01"	4'09"	6'04"	10'03"	17'11"	46'04"	∞	∞
8	1'00"	1'02"	1'05"	1'10"	2'03"	2'07"	2'11"	3'03"	3'11"	4'11"	6'02"	7'09"	10'04"	15'05"
	1'01"	1'03"	1'07"	2'03"	2'11"	3'07"	4'04"	5'02"	7'02"	12'04"	27'05"	∞	∞	∞
11	1'00"	1'02"	1'05"	1'09"	2'02"	2'06"	2'09"	3'01"	3'07"	4'05"	5'05"	6'07"	8'04"	11'04"
	1'01"	1'03"	1'07"	2'04"	3'01"	3'11"	4'10"	5'11"	8'06"	17'06"	82'08"	∞	∞	∞
16	0'11"	1'01"	1'04"	1'08"	2'00"	2'03"	2'07"	2'09"	3'02"	3'10"	4'06"	5'03"	6'04"	7'10"
	1'01"	1'04"	1'08"	2'06"	3'05"	4'06"	5'10"	7'07"	12'09"	59'08"	∞	∞	∞	∞
22	0'11"	1'01"	1'04"	1'08"	1'11"	2'02"	2'05"	2'08"	3'00"	3'07"	4'02"	4'09"	5'07"	6'09"
	1'01"	1'04"	1'09"	2'07"	3'08"	4'11"	6'08"	9'00"	17'09"	∞	∞	∞	∞	∞

(F 2.8 35)

DEPTH OF FIELD TABLE

circle of confusion, $\frac{3}{100}$ mm (in meters)

Meter F No.	1.0	1.1	1.2	1.3	1.5	1.7	1.8	2.0	2.5	3.0	4.0	5.0	7.0	10.0	15.0	30.0	∞
2.8	0.99 ~ 1.01	1.09 ~ 1.11	1.19 ~ 1.21	1.29 ~ 1.31	1.49 ~ 1.51	1.68 ~ 1.72	1.78 ~ 1.82	1.98 ~ 2.03	2.94 ~ 2.55	2.46 ~ 3.07	3.88 ~ 4.13	4.81 ~ 5.20	6.63 ~ 7.41	9.25 ~ 10.88	13.36 ~ 17.11	24.03 ~ 39.96	119.23 ~ ∞
4	0.99 ~ 1.01	1.09 ~ 1.11	1.19 ~ 1.21	1.29 ~ 1.31	1.48 ~ 1.52	1.67 ~ 1.73	1.77 ~ 1.83	1.96 ~ 2.04	2.44 ~ 2.57	2.91 ~ *3.10	3.83 ~ 4.18	4.74 ~ 5.29	6.49 ~ 7.61	8.97 ~ 11.31	12.76 ~ 18.20	22.14 ~ 46.61	83.52 ~ ∞
5.6	0.99 ~ 1.01	1.09 ~ 1.11	1.18 ~ 1.22	1.28 ~ 1.32	1.47 ~ 1.53	1.66 ~ 1.74	1.76 ~ 1.84	1.95 ~ 2.06	2.41 ~ 2.59	2.87 ~ 3.14	3.77 ~ 4.26	4.64 ~ 5.42	6.30 ~ 7.88	8.61 ~ 11.94	12.05 ~ 19.91	20.05 ~ 59.92	59.71 ~ ∞
8	0.98 ~ 1.02	1.08 ~ 1.12	1.18 ~ 1.22	1.27 ~ 1.33	1.46 ~ 1.54	1.65 ~ 1.76	1.74 ~ 1.86	1.92 ~ 2.08	2.38 ~ 2.64	2.82 ~ 3.20	3.68 ~ 4.38	4.50 ~ 5.63	6.04 ~ 8.33	8.13 ~ 13.02	11.11 ~ 23.17	17.56 ~ 115.00	41.85 ~ ∞
11	0.98 ~ 1.02	1.07 ~ 1.13	1.17 ~ 1.23	1.26 ~ 1.34	1.45 ~ 1.56	1.63 ~ 1.78	1.72 ~ 1.89	1.90 ~ 2.11	2.34 ~ 2.69	2*76 ~ 3.29	3.57 ~ 4.55	4.34 ~ 5.91	5.75 ~ 8.98	7.60 ~ 14.70	10.14 ~ 29.17	15.21 ~ ∞	30.49 ~ ∞
16	0.97 ~ 1.03	1.06 ~ 1.14	1.15 ~ 1.25	1.24 ~ 1.36	1.42 ~ 1.59	1.60 ~ 1.82	1.68 ~ 1.93	1.86 ~ 2.17	2.27 ~ 2.79	2.67 ~ 3.44	3.41 ~ 4.85	4.10 ~ 6.45	5.32 ~ 10.31	6.86 ~ 18.74	8.84 ~ 51.46	12.45 ~ ∞	21.02 ~ ∞
22	0.96 ~ 1.04	1.05 ~ 1.16	1.14 ~ 1.27	1.22 ~ 1.39	1.40 ~ 1.62	1.56 ~ 1.87	1.65 ~ 1.99	1.81 ~ 2.25	2.19 ~ 2.92	2.56 ~ 3.64	3.23 ~ 5.28	3.84 ~ 7.24	4.89 ~ 12.57	6.14 ~ 28.04	7.68 ~ ∞	10.23 ~ ∞	15.34 ~ ∞

(F 2.8 100)

circle of confusion, $\frac{3}{100}$ mm (in feet)

Feet F No.	3.5	4.0	4.5	5.0	6.0	7.0	8.0	9.0	10.0	12.0	15.0	20.0	30.0	50.0	100.0	∞
2.8	3' 05" 3' 06"	4' 00" 4' 01"	4' 05" 4' 06"	4' 11" 5' 01"	5' 11" 6' 01"	6' 11" 7' 01"	7' 10" 8' 02"	8' 10" 9' 02"	9' 09" 10' 03"	11' 08" 12' 04"	14' 06" 15' 07"	19' 10" 21' 02"	27' 11" 32' 05"	44' 05" 57' 02"	79' 10" 133' 11"	391' 02" ∞
4	3' 05" 3' 06"	4' 00" 4' 01"	4' 05" 4' 07"	4' 11" 5' 01"	5' 11" 6' 01"	6' 10" 7' 02"	7' 10" 8' 02"	8' 09" 9' 03"	9' 08" 10' 04"	11' 07" 12' 06"	14' 03" 15' 10"	18' 09" 21' 06"	27' 02" 60' 11"	42' 05" 60' 11"	73' 06" 156' 09"	274' 00" ∞
5.6	3' 05" 3' 07"	3' 11" 4' 01"	4' 05" 4' 07"	4' 11" 5' 01"	5' 10" 6' 02"	6' 10" 7' 03"	7' 09" 8' 03"	8' 08" 9' 05"	9' 07" 10' 06"	11' 04" 12' 08"	14' 00" 16' 02"	18' 03" 22' 02"	26' 02" 35' 02"	40' 00" 66' 09"	66' 06" 203' 00"	195' 11" ∞
8	3' 05" 3' 07"	3' 11" 4' 01"	4' 05" 4' 07"	4' 10" 5' 02"	5' 10" 6' 03"	6' 09" 7' 04"	7' 07" 8' 05"	8' 06" 9' 07"	9' 05" 10' 08"	11' 02" 13' 00"	13' 08" 16' 08"	17' 07" 23' 02"	24' 10" 38' 01"	36' 11" 77' 11"	58' 02" 364' 09"	137' 04" ∞
11	3' 05" 3' 07"	3' 11" 4' 01"	4' 04" 4' 08"	4' 10" 5' 02"	5' 09" 6' 04"	6' 07" 7' 05"	7' 06" 8' 07"	8' 04" 9' 09"	9' 02" 11' 00"	10' 10" 13' 06"	13' 02" 17' 05"	16' 10" 24' 08"	23' 04" 42' 04"	33' 07" 98' 09"	58' 04" ∞	100' 00" ∞
16	3' 05" 3' 07"	3' 10" 4' 02"	4' 04" 4' 09"	4' 09" 5' 04"	5' 07" 6' 05"	6' 05" 7' 08"	7' 03" 8' 11"	8' 01" 10' 02"	8' 10" 11' 06"	10' 04" 14' 03"	12' 06" 18' 10"	15' 09" 27' 08"	21' 02" 52' 02"	29' 03" 178' 08"	41' 01" ∞	68' 11" ∞
22	3' 04" 3' 08"	3' 09" 4' 03"	4' 03" 4' 10"	4' 08" 5' 05"	5' 06" 6' 08"	6' 03" 7' 11"	7' 01" 9' 03"	7' 09" 10' 08"	8' 06" 12' 02"	9' 11" 15' 05"	11' 09" 20' 10"	14' 07" 32' 05"	19' 01" 72' 06"	25' 05" ∞	33' 09" ∞	50' 04" ∞

(F 2.8 100)

DEPTH OF FIELD TABLE

circle of confusion, $\frac{3}{100}$ mm (in meters)

Meter F No.	1.5	1.8	2.0	2.5	3.0	4.0	5.0	7.0	10.0	20.0	50.0	∞
3.5	1.49	1.79	1.98	2.47	2.96	3.92	4.88	6.75	9.48	17.99	38.93	173.85
	~ 1.51	~ 1.81	~ 2.02	~ 2.53	~ 3.04	~ 4.03	~ 5.13	~ 7.27	~ 10.58	~ 22.53	~ 69.96	~ ∞
4	1.49	1.78	1.98	2.46	2.95	3.90	4.84	6.68	9.35	17.51	36.72	136.92
	~ 1.51	~ 1.82	~ 2.02	~ 2.54	~ 3.06	~ 4.11	~ 5.17	~ 7.35	~ 10.75	~ 23.34	~ 78.48	~ ∞
5.6	1.49	1.78	1.97	2.45	2.92	3.86	4.78	6.59	9.11	16.68	33.20	97.86
	~ 1.51	~ 1.82	~ 2.03	~ 2.55	~ 3.08	~ 4.15	~ 5.24	~ 7.50	~ 11.08	~ 25.01	~ 101.71	~ ∞
8	1.48	1.77	1.96	2.43	2.89	3.81	4.69	6.39	8.78	15.57	29.04	68.58
	~ 1.52	~ 1.84	~ 2.05	~ 2.58	~ 3.11	~ 4.22	~ 5.35	~ 7.74	~ 11.62	~ 28.03	~ 101.71	~ ∞
11	1.47	1.75	1.94	2.40	2.86	3.74	4.59	6.19	8.40	14.38	25.11	49.94
	~ 1.53	~ 1.85	~ 2.06	~ 2.61	~ 3.16	~ 4.31	~ 5.50	~ 8.06	~ 12.38	~ 33.03	~ ∞	~ ∞
16	1.46	1.73	1.92	2.36	2.80	3.63	4.42	5.89	7.84	12.76	20.50	34.41
	~ 1.54	~ 1.87	~ 2.09	~ 2.66	~ 3.24	~ 4.46	~ 5.77	~ 8.66	~ 13.89	~ 47.06	~ ∞	~ ∞
22	1.45	1.72	1.90	2.34	2.76	3.56	4.31	5.68	7.47	11.78	18.03	27.89
	~ 1.56	~ 1.89	~ 2.11	~ 2.11	~ 2.30	~ 4.58	~ 5.97	~ 9.16	~ 15.28	~ 69.29	~ ∞	~ ∞

(F 3.5 135)

circle of confusion, $\frac{3}{100}$ mm (in feet)

Feet \ F No.	5.0	6.0	7.0	8.0	10.0	12.0	15.0	20.0	30.0	50.0	70.0	100.0	∞
3.5	5' 00"	5' 11"	6' 11"	7' 11"	9' 10"	11' 09"	14' 08"	19' 05"	28' 07"	46' 01"	62' 06"	85' 04"	570' 04"
	5' 01"	6' 01"	7' 01"	8' 01"	10' 12"	12' 03"	15' 04"	20' 08"	31' 07"	54' 08"	79' 06"	120' 11"	∞
4	5' 00"	5' 11"	6' 11"	7' 11"	9' 10"	11' 09"	14' 07"	19' 03"	28' 03"	45' 07"	60' 09"	82' 00"	449' 02"
	5' 01"	6' 01"	7' 01"	8' 01"	10' 02"	12' 03"	15' 06"	20' 10"	32' 00"	55' 04"	82' 07"	128' 02"	∞
5.6	4' 11"	5' 11"	6' 11"	7' 10"	9' 09"	11' 07"	14' 05"	18' 11"	27' 07"	44' 01"	57' 09"	76' 07"	321' 01"
	5' 01"	6' 01"	7' 01"	8' 02"	10' 03"	12' 05"	15' 08"	21' 03"	32' 11"	57' 10"	89' 01"	144' 06"	∞
8	4' 11"	5' 11"	6' 10"	7' 09"	9' 08"	11' 06"	14' 12"	18' 06"	26' 08"	41' 11"	53' 08"	79' 07"	265' 00"
	5' 01"	6' 01"	7' 02"	8' 03"	10' 05"	12' 07"	15' 11"	21' 10"	34' 04"	62' 01"	100' 11"	178' 08"	∞
11	4' 11"	5' 10"	6' 09"	7' 08"	9' 06"	11' 03"	13' 00"	18' 00"	25' 07"	39' 06"	49' 05"	62' 06"	163' 10"
	5' 01"	6' 02"	7' 03"	8' 04"	10' 07"	12' 10"	16' 04"	22' 07"	36' 04"	68' 03"	121' 00"	∞	∞
16	4' 10"	5' 09"	6' 08"	7' 07"	9' 04"	11' 00"	13' 05"	17' 02"	24' 00"	36' 01"	43' 07"	63' 05"	112' 11"
	5' 02"	6' 03"	7' 04"	8' 06"	10' 10"	13' 03"	17' 01"	24' 00"	40' 03"	81' 11"	181' 07"	∞	∞
22	4' 10"	5' 09"	6' 07"	7' 06"	9' 02"	10' 10"	13' 01"	16' 08"	22' 11"	32' 09"	40' 01"	48' 03"	91' 06"
	5' 02"	6' 04"	7' 05"	8' 07"	11' 00"	13' 07"	17' 07"	25' 01"	43' 09"	108' 01"	292' 00"	∞	∞

(F 3.5 135)

DEPTH OF FIELD TABLE

circle of confusion, $\frac{3}{100}$ mm (in meters)

Meter F No.	2.5	3	3.5	4	4.5	5	6	7	8	10	12	15	20	30	50	∞
3.5	2.49	2.98	3.47	3.96	4.45	4.94	5.91	6.88	7.84	9.74	11.62	14.40	18.94	27.65	43.73	343.26
	2.51	3.02	3.53	4.04	4.55	5.06	6.09	7.13	8.17	10.28	12.41	15.65	21.19	32.80	58.39	∞
4	2.49	2.98	3.47	3.96	4.45	4.93	5.90	6.86	7.81	9.70	11.57	14.32	18.80	27.34	42.96	300.41
	2.51	3.02	3.53	4.04	4.56	5.07	6.11	7.15	8.20	10.32	12.47	15.75	21.37	33.24	59.82	∞
5.6	2.48	2.97	3.46	3.94	4.42	4.90	5.86	6.80	7.74	9.59	11.40	14.07	18.36	26.41	40.68	214.68
	2.52	3.03	3.55	4.06	4.58	5.10	6.15	7.21	8.28	10.45	12.66	16.07	21.97	34.74	64.94	∞
8	2.47	2.96	3.44	3.92	4.39	4.86	5.80	6.72	7.63	9.42	11.17	13.71	17.74	25.12	37.68	150.40
	2.53	3.04	3.56	4.09	4.61	5.14	6.22	7.30	8.40	10.66	12.97	16.57	22.94	37.28	74.50	∞
11	2.46	2.95	3.42	3.89	4.35	4.81	5.73	6.62	7.51	9.22	10.89	13.28	17.02	23.68	34.50	109.49
	2.54	3.06	3.59	4.12	4.66	5.20	6.30	7.42	8.57	10.92	13.38	17.25	24.29	41.02	91.35	∞
16	2.45	2.92	3.38	3.84	4.29	4.74	5.61	6.47	7.30	8.91	10.45	12.62	15.94	21.63	30.26	75.40
	2.55	3.08	3.63	4.18	4.74	5.30	6.45	7.64	8.86	11.41	14.12	18.53	26.93	49.29	146.83	∞
22	2.43	2.89	3.33	3.78	4.22	4.64	5.48	6.29	7.07	8.57	9.97	11.92	14.82	19.59	26.38	54.95
	2.57	3.11	3.68	4.25	4.83	5.42	6.64	7.91	9.23	12.05	15.13	20.33	30.99	65.11	47.01	∞

(F 3.5 200)

circle of confusion, $\frac{3}{100}$ mm (in feet)

Feet F No.	8	10	11	12	13	15	17	20	25	30	40	50	70	100	200	∞
3.5	7' 11"	9' 11"	10' 11"	11' 11"	12' 11"	14' 10"	16' 09"	19' 08"	24' 06"	29' 03"	38' 09"	48' 00"	66' 01"	92' 01"	172' 08"	1126' 02"
	8' 00"	10' 01"	11' 01"	12' 01"	13' 01"	15' 02"	17' 03"	20' 04"	25' 06"	30' 09"	41' 05"	52' 02"	74' 06"	109' 06"	237' 06"	∞
4	7' 11"	9' 11"	10' 11"	11' 11"	12' 10"	14' 10"	16' 09"	19' 08"	24' 05"	29' 02"	38' 06"	47' 08"	65' 06"	91' 00"	169' 05"	985' 07"
	8' 00"	10' 01"	11' 01"	12' 01"	13' 02"	15' 02"	17' 03"	20' 04"	25' 07"	30' 10"	41' 07"	52' 06"	75' 02"	111' 00"	244' 01"	∞
5.6	7' 11"	9' 11"	10' 10"	11' 11"	12' 10"	14' 09"	16' 08"	19' 06"	24' 03"	28' 11"	38' 00"	46' 10"	63' 11"	87' 10"	159' 08"	704' 04"
	8' 00"	10' 01"	11' 02"	12' 02"	13' 02"	15' 03"	17' 04"	20' 06"	25' 10"	31' 03"	42' 03"	53' 07"	77' 05"	116' 01"	267' 09"	∞
8	7' 11"	9' 10"	10' 10"	11' 09"	12' 09"	14' 08"	16' 06"	19' 04"	23' 11"	28' 05"	37' 02"	45' 07"	61' 07"	83' 06"	147' 00"	493' 05"
	8' 00"	10' 02"	11' 02"	12' 03"	13' 03"	15' 05"	17' 06"	20' 09"	26' 02"	31' 09"	43' 04"	55' 04"	81' 02"	124' 09"	313' 04"	∞
11	7' 10"	9' 10"	10' 09"	11' 08"	12' 08"	14' 06"	16' 04"	19' 01"	23' 06"	27' 10"	36' 03"	44' 02"	58' 11"	78' 08"	133' 09"	359' 03"
	8' 01"	10' 03"	11' 03"	12' 04"	13' 05"	15' 06"	17' 09"	21' 00"	26' 08"	32' 06"	44' 08"	57' 08"	86' 04"	137' 07"	398' 04"	∞
16	7' 10"	9' 08"	10' 08"	11' 07"	12' 06"	14' 03"	16' 01"	18' 08"	22' 11"	27' 00"	34' 09"	42' 00"	55' 00"	71' 09"	116' 04"	247' 05"
	8' 01"	10' 04"	11' 05"	12' 06"	13' 07"	15' 10"	18' 01"	21' 06"	27' 06"	33' 09"	47' 03"	62' 00"	96' 07"	166' 01"	728' 02"	∞
22	7' 09"	9' 07"	10' 06"	11' 05"	12' 03"	14' 00"	15' 09"	18' 03"	22' 03"	26' 01"	33' 02"	39' 07"	50' 11"	64' 11"	100' 08"	180' 03"
	8' 02"	10' 05"	11' 07"	12' 08"	13' 10"	16' 02"	18' 06"	22' 02"	28' 07"	35' 06"	50' 08"	68' 02"	112' 09"	221' 03"	∞	∞

(F 3.5 200)

DEPTH OF FIELD TABLE

circle of confusion, $\frac{3}{100}$ mm (in meters)

Meter F.No.	8	9	10	11	12	13	15	17	20	25	30	40	50	70	100	200	∞
4.5	7.96	8.94	9.93	10.91	11.89	12.87	14.82	16.77	19.67	24.47	29.24	38.63	47.85	65.81	91.60	168.73	1067.66
	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
	8.05	9.06	10.08	11.09	12.11	13.13	15.18	17.24	20.34	25.55	30.81	41.48	52.35	74.76	110.12	245.62	∞
5.6	7.94	8.93	9.91	10.89	11.86	12.84	14.78	16.71	19.59	24.35	29.05	38.31	47.36	64.87	89.76	162.52	858.14
	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
	8.06	9.07	10.09	11.12	12.14	13.17	15.23	17.30	20.43	25.69	31.01	41.85	52.96	76.03	112.91	260.14	∞
8	7.92	8.90	9.87	10.84	11.80	12.77	14.68	16.59	19.42	24.08	28.67	37.63	46.31	62.89	85.99	150.46	601.00
	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
	8.08	9.11	10.13	11.17	12.20	13.24	15.33	17.43	20.62	25.99	31.47	42.70	54.35	78.95	119.54	298.69	∞
11	7.89	8.86	9.82	10.78	11.73	12.68	14.57	16.44	19.21	23.76	28.20	36.81	45.06	60.59	81.71	137.70	437.39
	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
	8.11	9.15	10.19	11.23	12.28	13.34	15.46	17.60	20.86	26.39	32.06	43.82	56.18	82.94	129.02	366.73	∞
16	7.84	8.80	9.74	10.68	11.62	12.54	14.38	16.20	18.88	23.23	27.45	35.53	43.14	57.12	75.46	120.67	301.04
	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
	8.16	9.22	10.27	11.34	12.41	13.49	15.68	17.89	21.28	27.08	33.09	45.81	59.54	90.57	148.70	591.71	∞
22	7.79	8.72	9.65	10.57	11.48	12.38	14.16	15.92	18.49	22.63	26.61	34.10	41.03	53.45	69.13	105.11	219.22
	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
	8.23	9.30	10.38	11.47	12.58	13.69	15.95	18.26	21.80	27.95	34.43	48.46	64.15	101.85	182.11	∞	∞
32	7.69	8.60	9.50	10.38	11.26	12.12	13.81	15.47	17.88	21.71	25.32	31.97	37.96	48.29	60.67	86.57	151.04
	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~
	8.33	9.44	10.56	11.70	12.86	14.03	16.43	18.89	22.74	29.55	36.92	53.66	73.70	128.65	291.78	∞	∞

(F4.5 400)

circle of confusion, $\frac{3}{100}$ mm (in feet)

Feet F. No.	26	30	35	40	45	50	60	70	80	100	120	150	200	300	600	∞
4.5	25'10"	29'10"	34'09"	39'07"	44'06"	49'05"	59'01"	68'09"	78'04"	97'05"	116'03"	144'01"	189'07"	276'10"	513'01"	3502'11"
	26'02"	30'02"	35'03"	40'05"	45'06"	50'08"	60'11"	71'03"	81'09"	102'09"	124'00"	156'05"	211'08"	327'05"	722'07"	∞
5.6	25'10"	29'09"	34'08"	39'06"	44'05"	49'03"	58'11"	68'06"	78'00"	96'10"	115'04"	142'09"	187'02"	271'09"	495'07"	2815'06"
	26'02"	30'03"	35'04"	40'06"	45'07"	50'09"	61'02"	71'07"	82'02"	103'05"	125'00"	158'01"	214'09"	335'11"	760'07"	∞
8	25'09"	29'08"	34'06"	39'04"	44'02"	48'11"	58'05"	67'10"	77'02"	95'06"	113'06"	139'10"	182'02"	261'02"	461'03"	1971'09"
	26'03"	30'04"	35'06"	40'08"	45'11"	51'02"	61'08"	72'04"	83'01"	105'00"	127'04"	161'09"	221'10"	352'07"	859'05"	∞
11	25'08"	29'06"	34'04"	39'01"	43'10"	48'06"	57'10"	67'01"	76'01"	93'11"	111'03"	136'05"	176'03"	249'01"	424'06"	1434'11"
	26'04"	30'06"	35'08"	40'11"	46'03"	51'07"	62'04"	73'03"	84'04"	107'00"	130'04"	166'08"	231'03"	377'06"	1026'02"	∞
16	25'06"	29'04"	34'00"	38'08"	43'04"	47'11"	56'11"	65'09"	74'06"	91'05"	107'08"	131'00"	167'03"	231'04"	374'10"	987'07"
	26'06"	30'09"	36'00"	41'05"	46'10"	52'04"	63'05"	74'10"	86'05"	110'06"	135'08"	175'08"	249'01"	427'11"	1518'01"	∞
22	25'04"	29'01"	33'08"	38'03"	42'09"	47'02"	55'10"	64'04"	72'07"	88'06"	103'08"	125'01"	157'08"	213'02"	328'10"	719'03"
	26'09"	31'00"	36'05"	42'00"	47'07"	53'03"	64'10"	76'10"	89'02"	115'01"	142'08"	187'09"	274'05"	509'09"	∞	∞
32	25'00"	28'08"	33'01"	37'06"	41'09"	46'00"	54'02"	62'01"	69'08"	84'02"	97'08"	116'05"	143'11"	188'06"	273'01"	495'07"
	27'01"	31'06"	37'02"	42'11"	48'10"	54'10"	67'04"	80'05"	94'01"	123'07"	156'02"	212'02"	330'08"	749'08"	∞	∞

(F4.5 400)

DEPTH OF FIELD TABLE

circle of confusion, $\frac{3}{100}$ mm (in meters)

Meter F.No.	20	22	25	30	40	50	60	80	100	200	500	∞
8	19.86	21.83	24.77	29.67	39.40	49.04	58.61	77.52	96.13	184.85	414.30	2401.77
	~	~	~	~	~	~	~	~	~	~	~	~
	20.14	22.17	25.23	30.34	40.62	51.00	61.46	82.65	104.21	217.88	630.61	∞
11	19.81	21.77	24.69	29.55	39.17	48.70	58.11	76.63	94.75	179.75	389.29	1746.92
	~	~	~	~	~	~	~	~	~	~	~	~
	20.20	22.24	25.32	30.47	40.86	51.38	62.02	83.69	105.88	225.44	699.18	∞
16	19.72	21.66	24.55	29.34	38.81	48.13	57.29	75.19	92.54	171.86	353.75	1201.58
	~	~	~	~	~	~	~	~	~	~	~	~
	20.29	22.35	25.46	30.69	41.27	52.03	62.99	85.48	108.79	239.30	854.05	∞
22	19.62	21.54	24.39	29.11	38.38	47.46	56.34	73.54	90.03	163.26	318.83	874.32
	~	~	~	~	~	~	~	~	~	~	~	~
	20.39	22.49	25.64	30.95	41.77	52.84	64.19	87.73	112.50	258.36	1163.60	∞
32	19.45	21.33	24.12	28.72	37.69	46.39	54.82	70.94	86.14	150.70	273.85	601.59
	~	~	~	~	~	~	~	~	~	~	~	~
	20.58	22.72	25.95	31.41	42.62	54.24	66.29	91.78	119.30	298.00	∞	∞
45	19.32	21.16	23.90	28.40	37.13	45.52	53.60	68.88	83.09	141.47	244.57	475.69
	~	~	~	~	~	~	~	~	~	~	~	~
	20.74	22.91	26.21	31.81	43.38	55.50	68.19	95.53	125.77	342.77	∞	∞

(F8 800)

circle of confusion, $\frac{3}{100}$ mm (in feet)

Feet F.No.	70	80	100	150	200	300	500	1500	∞
8	69'06" ~ 70'06"	79'04" ~ 80'08"	99'00" ~ 101'04"	147'08" ~ 152'05"	195'09" ~ 204'05"	290'05" ~ 310'03"	473'06" ~ 529'08"	1281'11" ~ 1808'00"	8753' ~ ∞
11	69'04" ~ 70'08"	79'02" ~ 80'11"	98'07" ~ 101'05"	146'09" ~ 153'04"	194'03" ~ 206'02"	286'11" ~ 314'04"	464'04" ~ 541'09"	1215'08" ~ 1959'00"	6368' ~ ∞
16	69'01" ~ 71'00"	78'09" ~ 81'04"	98'00" ~ 102'01"	145'04" ~ 154'11"	191'08" ~ 209'01"	281'05" ~ 321'03"	449'09" ~ 563'01"	1119'04" ~ 2275'11"	4379' ~ ∞
22	68'09" ~ 71'04"	78'03" ~ 81'10"	97'03" ~ 102'11"	143'08" ~ 156'11"	188'09" ~ 212'08"	275'00" ~ 330'01"	433'05" ~ 591'01"	1022'03" ~ 2824'08"	3186' ~ ∞
32	68'02" ~ 72'00"	77'06" ~ 82'08"	96'01" ~ 104'03"	141'00" ~ 160'03"	184'01" ~ 219'00"	265'00" ~ 345'11"	408'09" ~ 644'07"	893'02" ~ 4726'06"	2192' ~ ∞
45	67'05" ~ 72'10"	76'07" ~ 83'09"	94'07" ~ 106'02"	137'08" ~ 164'10"	178'04" ~ 227'10"	253'01" ~ 368'11"	380'07" ~ 730'09"	767'06" ~ ∞	1560' ~ ∞

(F8 800)