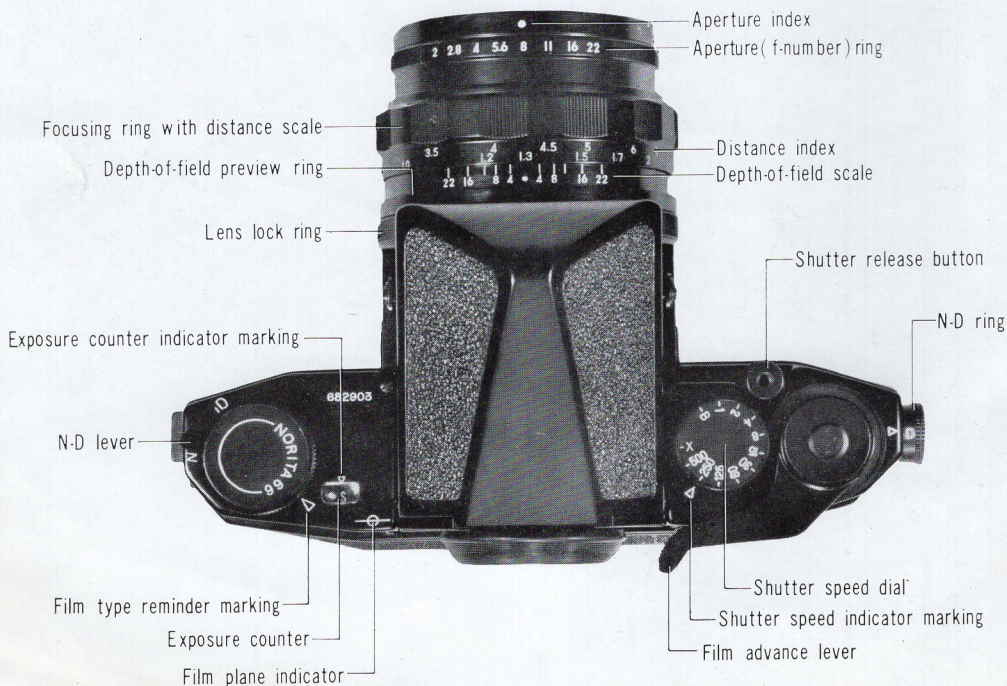
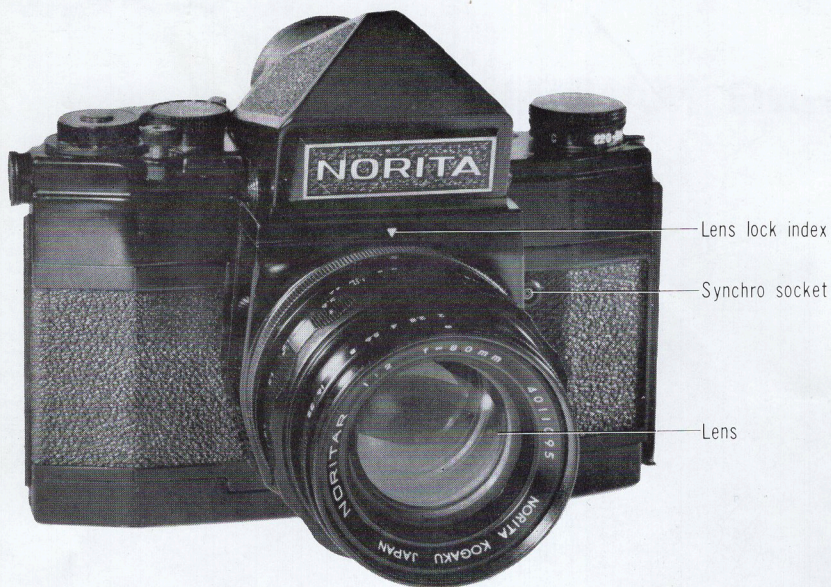


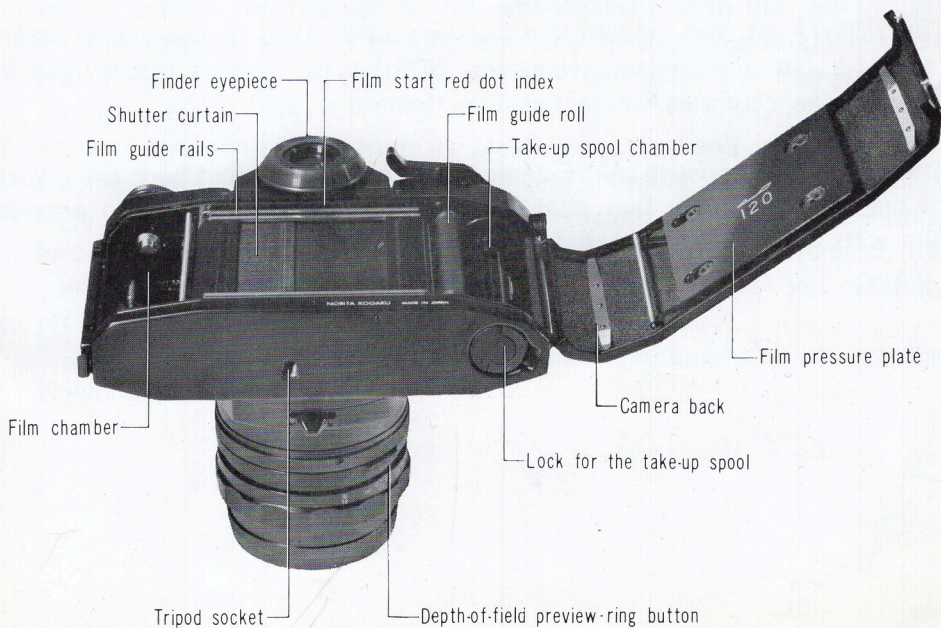
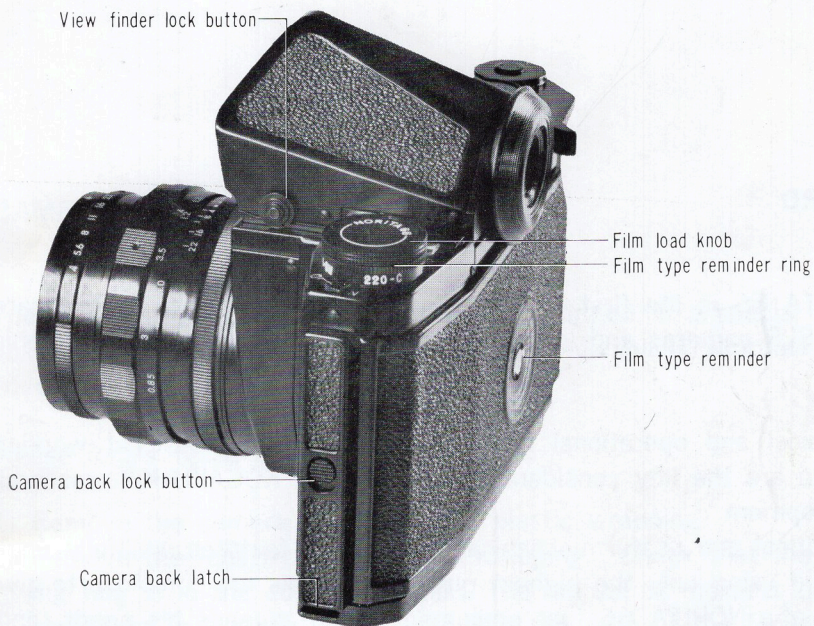
NORITA 66[®]

OPERATING MANUAL



NOMENCLATURE





FOREWORD

The NORITA 66 is the first of the new "second-generation" 2 $\frac{1}{4}$ " square eye-level SLR cameras and introduces many new concepts in photographic designs.

The technical and operational requirements of the professional working cameraman are the key considerations of NORITA KOGAKU K.K. research and development.

Thus, practical and useful mechanical and optical features, skillfully engineered, and using only the highest quality materials are combined to give the owner of a NORITA 66 that equipment which exceeds his needs, and, of which he can always be proud.

The NORITA 66 will seldom need service other than is required in maintaining a fine mechanism. However, NORITA 66 service is provided in most of the countries where this fine Camera is sold.

The owner of the NORITA 66 camera may be assured that he is the owner of one of the world's fine photographic instruments designed to provide him with many years of satisfaction and enjoyment.

CAMERA ASSEMBLY INSTRUCTIONS

The NORITA 66 camera is packed and shipped in a special styrofoam box. The camera body, lens, and prism are individually wrapped in plastic coverings.

Please follow these assembly instructions.

1. Remove the camera body from its plastic wrapping.
2. Remove the lens from its plastic wrapping. Check that the lens-locking ring is in the correct position. The red dot of the lens-locking ring should be in a straight line with the red dots of the focusing mount and of the "f" stops. Place the lens on the lens flange of the camera body. Line-up the red dot on the lens-locking ring to the red triangle on the camera body. Carefully turn the lens-locking ring clockwise until it fits snugly. Always remove the lens with the camera body facing upwards.
3. Remove the pentaprism from its plastic wrapping and insert the protruding rear-flange of the pentaprism into its receptacle on the camera body. Then, press the pentaprism downward until it locks firmly. In order to remove the pentaprism push the two side-buttons on the pentaprism backwards (in the direction of the red arrows) and carefully lift the pentaprism $\frac{1}{4}$ " upwards. Then, remove by moving it forwards. See instructions to change the viewfinder.

PRE-LOADING INSTRUCTIONS

FOLLOW THESE INSTRUCTIONS CAREFULLY BEFORE OPENING THE CAMERA TO LOAD FILM

SET THE FILM-TYPE REMINDER-RING (Fig. 1)

The film-type reminder-ring must be set correctly before the camera "back" is opened to load film.

Otherwise, the Exposure-Counter will not register the correct number of exposures. Turn— and set the film-type reminder-ring according to the film type to be used. Four figures are engraved on the film-type reminder-ring. These are:

- 120-BW.....120 Black and White film- 12 exposures
- 120-C.....120 Color film- 12 exposures
- 220-BW.....220 Black and White film- 24 exposures
- 220-C.....220 Color film- 24 exposures

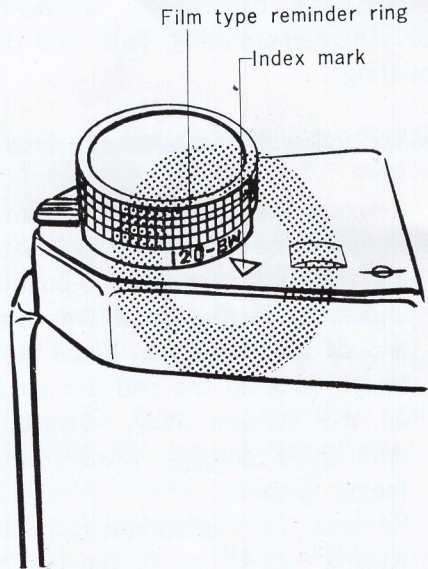


Fig. 1

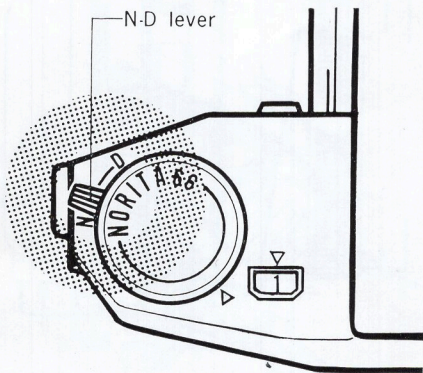


Fig. 2

SET THE N-D LEVER TO "N"

(Fig. 2)

The N-D LEVER is under the Film-type reminder-ring on the left side of the camera. There are two click-stop positions, "N" or "D".

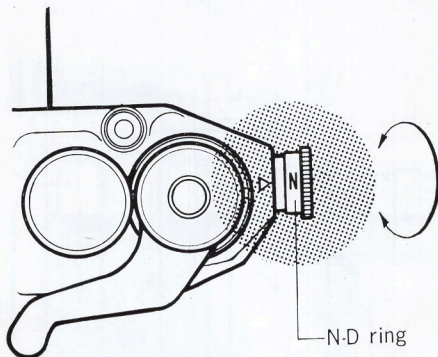


Fig. 3

SET THE N-D RING TO "N"

(Fig. 3)

The N-D Ring is on the right side of the camera. It may be pulled-out and rotated 180 degrees to either the "N" or "D" positions.

Further operating instructions concerning the N-D lever and the N-D ring will be found under the special instructions for making double exposures.

FILM LOADING

Avoid direct sunlight when loading film into the camera. Open the camera "BACK" by pulling the latch (Fig. 4) and pushing down the lock-button (Fig. 5). Check the film pressure plate. The plate is reversible, either for 120 or 220 film. If it is necessary to change the plate slide it to the right (Fig. 6) NOTE: The arrow marks should always point to the left.

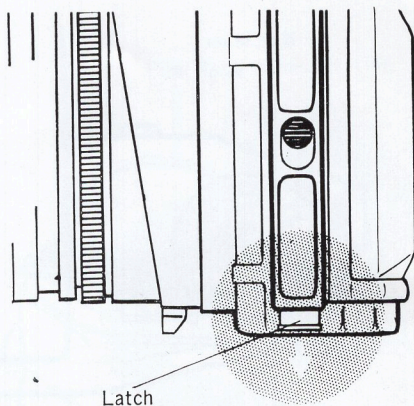


Fig. 4

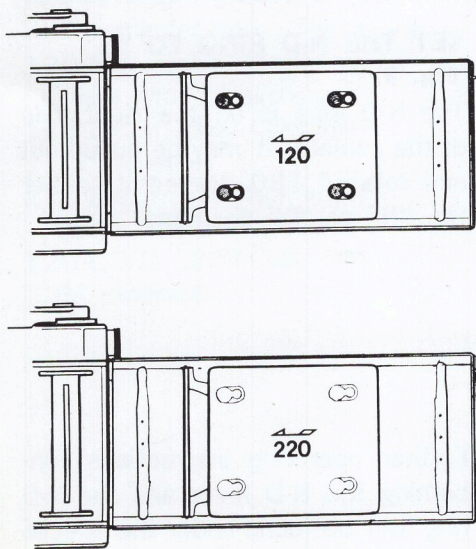


Fig. 6

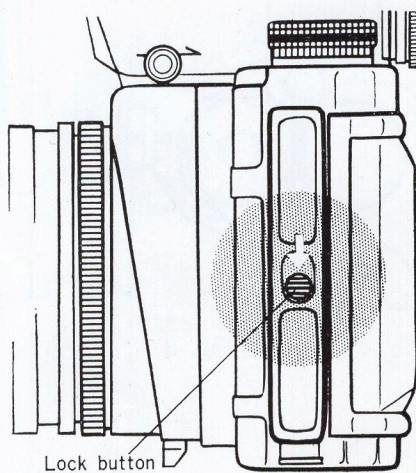


Fig. 5

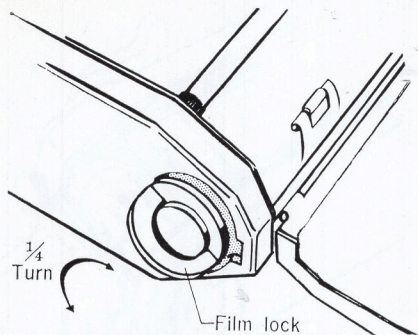


Fig. 7

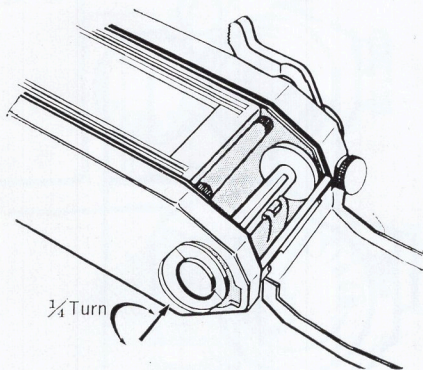


Fig. 8

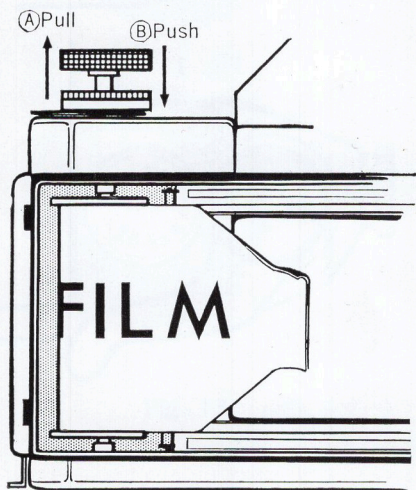


Fig. 9

Insert a film take-up spool if it is not already in the take-up chamber. Pull down the film-lock on the camera bottom (Fig. 7) and turn it by $\frac{1}{4}$ turn either to the left or to the right. Insert the take-up spool and replace the film-lock (Fig. 8)

Pull up the film load knob (Fig. 9) and place the new roll of film in the chamber. Push the film knob back into place. Insert the end of the leader paper into the slit in the take-up spool. Carefully work the film advance lever winding the leader onto the take-up spool until the "START" mark on the leader paper matches the red dots on the film guide rails.

Close the camera back and push up the latch. Continue winding the film. The film counter will be activated and the shutter is wound and released until the blank exposures are made. Two dots may be seen between the "S" mark and exposure number one in the counter window.

FILM UNLOADING (Fig. 10)

All of the exposed film must be wound onto the take-up spool. Continue working the film advance lever until no further winding resistance is felt. The film is now completely on the take-up spool and the camera back may be opened to remove the film for development.

AUTOMATIC EXPOSURE COUNTER (Fig. 11)

The exposure counter automatically returns to "S" (start) when the camera's "back" is opened. The counter registers the correct number of exposures according to the film type used, provided the film type reminder ring has been indexed correctly. CAUTION: If type 120 film is loaded into the camera but the film type reminder ring has been set to 220 IN ERROR then the exposure counter will continue on to exposure number 18.

If type 220 film is loaded into the camera but the film type reminder ring is set to 120 IN ERROR, the counter will not record after exposure number 12.

DOUBLE EXPOSURE

When making an intentional double exposure, make the first exposure. Then, set the N-D lever to "D"; and the N-D ring to "D". Make the second exposure. After making the double exposure both the lever and ring must be set again to "N" in order to continue a normal film advance.

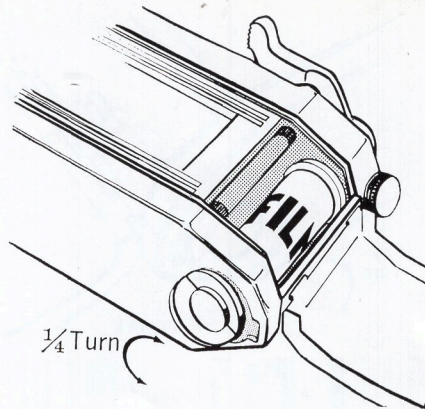


Fig. 10

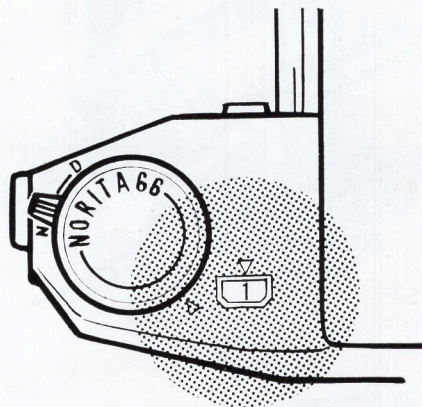


Fig. 11

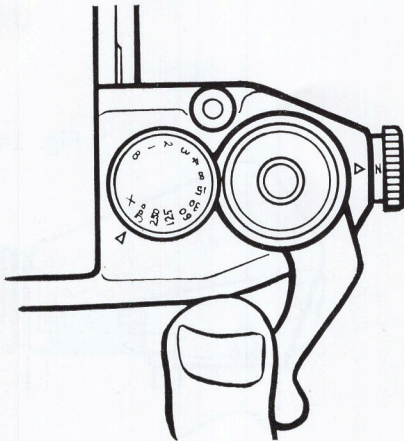


Fig. 12

THE FILM ADVANCE LEVER

(Fig. 12)

The film advance lever operates smoothly with two or more strokes. Thus, film is advanced, the shutter is tensioned, and the film counter is operated. If the film advance lever is not wound completely, the shutter cannot be released.

Continue operating the lever until it stops. Then, let the film advance lever spring back to its normal position.

The shutter release button can then be depressed.

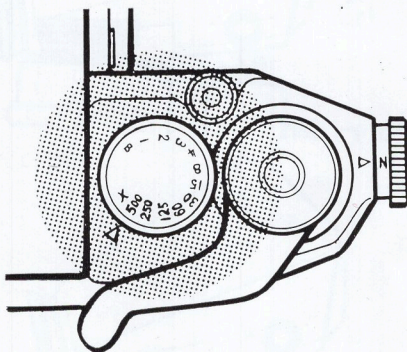


Fig. 13

SHUTTER SPEED SETTING

(Fig. 13)

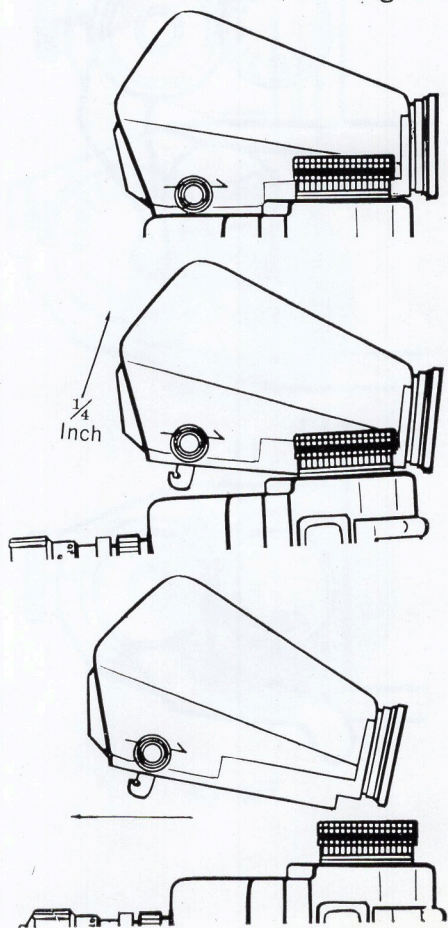
All the 12 click stop shutter speed settings are on the selector dial. It may be set before or after the shutter is wound. The shutter dial turns a full 360 degrees in either direction, and is NEVER pulled up. The "X" position represents the correct electronic strobe speed of 1/40 second; and is the fastest speed possible with a large focal plane shutter. When the dial is set to "B" the shutter will remain open as long as the shutter release button is depressed.

CHANGING THE VIEWFINDER

(Fig. 14)

The eye-level pentaprism viewfinder, which is supplied as the standard for the NORITA 66, is easily and quickly removed from the camera body. To remove the pentaprism push the two slide-buttons on the pentaprism backwards (in the direction of the red arrows) and carefully lift the pentaprism $\frac{1}{4}$ " upwards. Then, remove by moving it forwards.

Fig. 14



CHANGING LENSES (Fig. 15)

Hold the camera face upwards, so that the lens will not fall off when the lock ring is released. Turn the lock ring counter-clockwise until the red dot on it lines up to the red triangle. Reverse this procedure when mounting another lens. (See Camera Assembly Instructions: Paragraph No. 2).

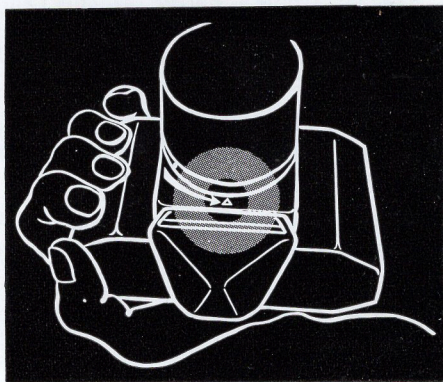


Fig. 15

FOCUSING (Fig. 16)

Turn the focusing ring of the lens until the subject appears as sharp as possible in the image on the ground glass screen. The center of the screen is a circular micro prism which acts as a range-finder. When the subject is accurately focused the image in the micro-prism area will be seen sharply and clearly.

The third focusing aid is the fine ground glass area just around the micro-prism. This ring is used in combination with the other two devices.

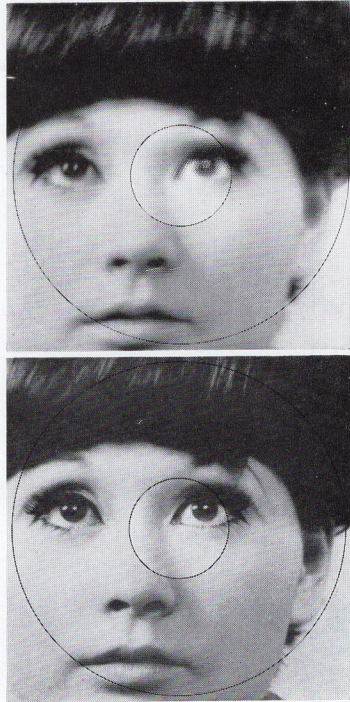


Fig. 16

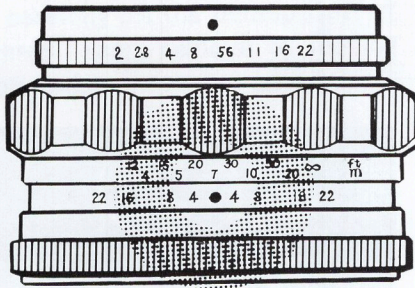


Fig. 17

DEPTH-OF-FIELD (Fig. 17)

Depth of field is the range of distance between the nearest and the farthest limits of a subject, within which acceptable image sharpness is obtained. The sharpest image is always at the point at which the lens is focused. The smaller the lens opening used, the greater the depth of field; and the larger the lens opening the smaller the depth of field. Depth of field decreases as the distance from the camera to the subject is decreased. A depth of field scale is marked on each NORITAR lens. The depth-of-field preview control is placed on the NORITAR lens (80mm.) on a ring next to the lens locking ring.

The Norita NORITAR 40 Lens



THE NORITAR 40 IS THE UNIQUE SUPER-WIDE "HIGH SPEED" LENS

Type	9 elements in 8 groups	
Aperture	F4—22	
Focal Length	40mm ($1\frac{1}{2}\times$ magnification compared to the standard 80mm lens)	
Focusing Range	1ft. (0.3m) to infinity	
Diaphragm	Automatic—with manual control	
Diaphragm Settings	Equidistant	
Angle of View	Diagonal	88 degrees
	Horizontal	68 "
	Vertical	68 "
Lens Mount	NORITA 66	
Filter Size	77mm dia. P: 0.75	
Dimensions	90mm \times 80 ϕ	
Weight	22.5 oz.—640g.	

The Norita NORITAR 55 Lens



THE NORITAR 55 IS THE USEFUL AND IDEAL WIDE ANGLE LENS FOR GENERAL PHOTOGRAPHY

Type	9 elements in 9 groups	
Aperture	F4—22	
Focal Length	55mm	
Focusing Range	1.5 ft. (0.45m) to infinity	
Diaphragm	Automatic—with manual control	
Diaphragm Settings	Equidistant	
Angle of View	Diagonal	70 degrees
	Horizontal	54 "
	Vertical	54 "
Lens Mount	NORITA 66	
Filter Size	62mm dia. P: 0.75	
Dimensions	62mm \times 76 ϕ	
Weight	13.75 oz.—390g.	

The Norita NORITAR 80 Lens



THE NORITAR 80 IS THE SUPERIOR NEW LENS FOR ALL TYPES OF PHOTOGRAPHY

Type	Gauss 6 elements in 4 groups	
Aperture	F2—22	
Focal Length	80mm	
Focusing Range	3 ft. (0.85m) to infinity	
Diaphragm	Automatic—with manual control	
Diaphragm Settings	Equidistant	
Angle of View	Diagonal	54 degrees
	Horizontal	39 "
	Vertical	39 "
Lens Mount	NORITA 66	
Filter Size	62mm dia. P: 0.75	
Dimensions	62mm \times 76 ϕ	
Weight	1.55 oz.—440g.	

The Norita NORITAR 160 Lens



THE NORITAR 160 IS A TRUE UNIVERSAL LENS WITH TELESCOPIC EFFECT

Type	6 elements in 5 groups	Angle of View	Diagonal	28 degrees
Aperture	F4—22		Horizontal	20 "
Focal Length	160mm (2× magnification over the standard 80 mm lens)		Vertical	20 "
Focusing Range	7 ft. (2.0m) to infinity	Lens Mount	NORITA 66	
Diaphragm	Automatic—with manual control	Filter Size	62mm dia. P: 0.75	
		Dimensions	108mm × 75.5φ	
		Weight	23.0 oz.—650g.	
Diaphragm Settings	Equidistant			

The Norita NORITAR 240 Lens



THE NORITAR 240 IS A SUPERB TELE LENS FOR ALL PHOTOGRAPHIC NEEDS

Type	6 elements in 5 groups	Angle of View	Diagonal	19 degrees
Aperture	F4—22		Horizontal	13 "
Focal Length	240mm (3× magnification over the standard 80mm lens)		Vertical	13 "
Focusing Range	12 ft. (3.5m) to infinity	Lens Mount	NORITA 66	
Diaphragm	Automatic—with manual control	Filter Size	77mm dia. P: 0.75	
		Dimensions	175mm × 81.5φ	
		Weight	40.5 oz.—1,150g.	
Diaphragm Settings	Equidistant			

DEPTH OF FIELD SCALE NORITAR F4 40mm

(Feet)

Circle of Least Confusion · 0.06 mm

ft \ F	4	5.6	8	11	16	22
15	23.694 ~ 11.032	30.965 ~ 9.987	57.793 ~ 8.757	588.288 ~ 7.599	∞ ~ 6.250	∞ ~ 5.173
10	13.100 ~ 8.116	14.984 ~ 7.553	19.148 ~ 6.849	29.551 ~ 6.141	380.370 ~ 5.252	∞ ~ 4.491
5	5.598 ~ 4.526	5.883 ~ 4.362	6.372 ~ 4.140	7.123 ~ 3.894	8.905 ~ 3.550	12.867 ~ 3.216
3	3.175 ~ 2.846	3.252 ~ 2.789	3.375 ~ 2.709	3.545 ~ 2.615	3.876 ~ 2.476	4.378 ~ 2.330
2	2.061 ~ 1.943	2.087 ~ 1.922	2.127 ~ 1.890	2.180 ~ 1.853	2.276 ~ 1.795	2.406 ~ 1.730
1.5	1.526 ~ 1.475	1.537 ~ 1.465	1.554 ~ 1.451	1.576 ~ 1.434	1.614 ~ 1.406	1.662 ~ 1.375
1.25	1.264 ~ 1.236	1.270 ~ 1.231	1.279 ~ 1.223	1.290 ~ 1.214	1.309 ~ 1.198	1.334 ~ 1.180
1	1.005 ~ 0.995	1.007 ~ 0.993	1.010 ~ 0.990	1.014 ~ 0.986	1.021 ~ 0.980	1.029 ~ 0.974

(Meter)

m \ F	4	5.6	8	11	16	22
5.0	8.384 ~ 3.583	11.532 ~ 3.222	26.908 ~ 2.803	39.399 ~ 2.415	∞ ~ 1.969	∞ ~ 1.619
3.0	3.909 ~ 2.442	4.455 ~ 2.276	5.657 ~ 2.065	8.576 ~ 1.855	69.633 ~ 1.588	∞ ~ 1.360
1.5	1.675 ~ 1.360	1.759 ~ 1.311	1.902 ~ 1.246	2.119 ~ 1.173	2.632 ~ 1.071	3.747 ~ 0.971
1.0	1.066 ~ 0.942	1.096 ~ 0.921	1.144 ~ 0.892	1.211 ~ 0.858	1.343 ~ 0.807	1.553 ~ 0.755
0.7	0.727 ~ 0.675	0.739 ~ 0.666	0.757 ~ 0.653	0.781 ~ 0.637	0.826 ~ 0.612	0.888 ~ 0.586
0.5	0.511 ~ 0.490	0.515 ~ 0.486	0.522 ~ 0.481	0.531 ~ 0.474	0.546 ~ 0.463	0.567 ~ 0.451
0.4	0.405 ~ 0.395	0.407 ~ 0.393	0.410 ~ 0.390	0.415 ~ 0.387	0.422 ~ 0.381	0.431 ~ 0.375
0.3	0.301 ~ 0.299	0.302 ~ 0.298	0.303 ~ 0.297	0.304 ~ 0.296	0.306 ~ 0.295	0.308 ~ 0.293

DEPTH OF FIELD SCALE NORITAR F4 55mm

(Feet)

Circle of Least Confusion : 0.06 mm

ft \ F	4	5.6	8	11	16	22
30.0	92.478 ~ 17.985	574.262 ~ 15.517	∞ ~ 12.879	∞ ~ 10.633	∞ ~ 8.258	∞ ~ 6.531
15.0	22.400 ~ 11.306	27.964 ~ 10.297	44.646 ~ 9.088	179.708 ~ 7.932	∞ ~ 6.555	∞ ~ 5.438
10.0	12.746 ~ 8.244	14.331 ~ 7.706	17.635 ~ 7.022	24.845 ~ 6.325	79.752 ~ 5.435	∞ ~ 4.659
7.0	8.201 ~ 6.115	8.809 ~ 5.822	9.919 ~ 5.433	11.787 ~ 5.018	17.259 ~ 4.455	39.677 ~ 3.933
5.0	5.558 ~ 4.548	5.820 ~ 4.390	6.264 ~ 4.174	6.930 ~ 3.934	8.441 ~ 3.592	11.489 ~ 3.257
4.0	4.336 ~ 3.715	4.488 ~ 3.613	4.737 ~ 3.470	5.094 ~ 3.308	5.834 ~ 3.071	7.085 ~ 2.831
3.0	3.173 ~ 2.846	3.248 ~ 2.790	3.369 ~ 2.709	3.534 ~ 2.615	3.851 ~ 2.473	4.324 ~ 2.324
2.5	2.612 ~ 2.398	2.661 ~ 2.360	2.737 ~ 2.305	2.839 ~ 2.240	3.028 ~ 2.140	3.296 ~ 2.033
2.0	2.065 ~ 1.939	2.093 ~ 1.916	2.135 ~ 1.883	2.192 ~ 1.843	2.293 ~ 1.780	2.430 ~ 1.711
1.5	1.531 ~ 1.471	1.543 ~ 1.459	1.563 ~ 1.443	1.588 ~ 1.423	1.633 ~ 1.391	1.690 ~ 1.354

(Meter)

m \ F	4	5.6	8	11	16	22
10.0	38.454 ~ 5.774	262.459 ~ 4.944	∞ ~ 4.070	∞ ~ 3.338	∞ ~ 2.574	∞ ~ 2.026
5.0	7.846 ~ 3.680	10.179 ~ 3.331	18.444 ~ 2.917	∞ ~ 2.528	∞ ~ 2.071	∞ ~ 1.706
3.0	3.806 ~ 2.480	4.268 ~ 2.321	5.224 ~ 2.117	7.273 ~ 1.909	21.417 ~ 1.643	∞ ~ 1.410
2.0	2.316 ~ 1.762	2.473 ~ 1.683	2.755 ~ 1.577	3.216 ~ 1.462	4.480 ~ 1.306	8.581 ~ 1.159
1.5	1.664 ~ 1.367	1.741 ~ 1.320	1.871 ~ 1.256	2.065 ~ 1.185	2.502 ~ 1.083	3.367 ~ 0.983
1.2	1.299 ~ 1.116	1.343 ~ 1.086	1.416 ~ 1.044	1.520 ~ 0.996	1.735 ~ 0.925	2.095 ~ 0.854
1.0	1.065 ~ 0.943	1.093 ~ 0.922	1.140 ~ 0.893	1.203 ~ 0.859	1.328 ~ 0.808	1.521 ~ 0.755
0.8	0.838 ~ 0.765	0.855 ~ 0.752	0.881 ~ 0.734	0.917 ~ 0.712	0.983 ~ 0.678	1.078 ~ 0.643
0.6	0.619 ~ 0.582	0.627 ~ 0.575	0.640 ~ 0.566	0.656 ~ 0.554	0.686 ~ 0.535	0.726 ~ 0.515
0.5	0.512 ~ 0.489	0.517 ~ 0.484	0.525 ~ 0.478	0.535 ~ 0.470	0.552 ~ 0.458	0.575 ~ 0.445
0.45	0.459 ~ 0.441	0.463 ~ 0.438	0.468 ~ 0.433	0.476 ~ 0.427	0.489 ~ 0.418	0.505 ~ 0.407

DEPTH OF FIELD SCALE NORITAR F2 80mm

(Feet)

Circle of Least Confusion : 0.06 mm

F ft	2	2.8	4	5.6	8	11	16	22
∞	∞ ~ 182.26	∞ ~ 131.65	∞ ~ 92.94	∞ ~ 66.80	∞ ~ 47.01	∞ ~ 34.35	∞ ~ 23.73	∞ ~ 17.35
50	67.70 ~ 39.68	78.88 ~ 36.65	104.89 ~ 32.89	187.49 ~ 28.94	∞ ~ 24.54	∞ ~ 20.62	∞ ~ 16.31	∞ ~ 13.06
30	35.52 ~ 25.98	38.33 ~ 24.66	43.52 ~ 22.92	53.13 ~ 20.95	79.55 ~ 18.56	211.34 ~ 16.25	∞ ~ 13.47	∞ ~ 11.19
20	22.27 ~ 18.15	23.34 ~ 17.51	25.14 ~ 16.62	28.03 ~ 15.57	33.89 ~ 14.23	45.94 ~ 12.85	113.56 ~ 11.07	146.59 ~ 9.50
15	16.23 ~ 13.95	16.78 ~ 13.57	17.68 ~ 13.04	19.04 ~ 12.39	21.53 ~ 11.54	25.77 ~ 10.63	38.44 ~ 9.39	94.71 ~ 8.25
10	10.52 ~ 9.53	10.74 ~ 9.36	11.09 ~ 9.11	11.60 ~ 8.80	12.45 ~ 8.37	13.72 ~ 7.89	16.55 ~ 7.21	22.03 ~ 6.53
7	7.24 ~ 6.78	7.34 ~ 6.69	7.50 ~ 6.57	7.72 ~ 6.41	8.07 ~ 6.19	8.57 ~ 5.93	9.55 ~ 5.55	11.09 ~ 5.15
5	5.12 ~ 4.89	5.16 ~ 4.85	5.24 ~ 4.79	5.34 ~ 4.71	5.50 ~ 4.59	5.71 ~ 4.45	6.11 ~ 4.24	6.67 ~ 4.02
4	4.07 ~ 3.93	4.10 ~ 3.91	4.14 ~ 3.87	4.20 ~ 3.82	4.30 ~ 3.74	4.42 ~ 3.66	4.64 ~ 3.52	4.95 ~ 3.37
3	3.04 ~ 2.97	3.05 ~ 2.95	3.07 ~ 2.93	3.10 ~ 2.90	3.15 ~ 2.87	3.21 ~ 2.82	3.32 ~ 2.74	3.46 ~ 2.66

(Meter)

F m	2	2.8	4	5.6	8	11	16	22
∞	∞ ~ 57.7	∞ ~ 41.3	∞ ~ 28.9	∞ ~ 20.7	∞ ~ 14.5	∞ ~ 10.6	∞ ~ 7.35	∞ ~ 5.39
20	30.48 ~ 14.89	38.58 ~ 13.51	64.23 ~ 11.86	572.13 ~ 10.21	∞ ~ 8.44	∞ ~ 6.95	∞ ~ 5.37	∞ ~ 4.23
10	12.04 ~ 8.55	13.12 ~ 8.08	15.15 ~ 7.47	19.11 ~ 6.78	31.45 ~ 5.96	165.75 ~ 5.18	∞ ~ 4.26	∞ ~ 3.51
7	7.93 ~ 6.26	8.38 ~ 6.01	9.15 ~ 5.67	10.45 ~ 5.27	13.27 ~ 4.76	20.05 ~ 4.26	139.45 ~ 3.62	∞ ~ 3.07
5	5.45 ~ 4.61	5.65 ~ 4.48	5.99 ~ 4.26	6.51 ~ 4.06	7.49 ~ 3.76	9.23 ~ 3.44	15.10 ~ 3.01	65.14 ~ 2.63
3	3.15 ~ 2.86	3.21 ~ 2.81	3.31 ~ 2.73	3.43 ~ 2.64	3.71 ~ 2.51	4.08 ~ 2.37	4.90 ~ 2.17	6.45 ~ 1.97
2	2.03 ~ 1.94	2.08 ~ 1.91	2.13 ~ 1.88	2.18 ~ 1.84	2.28 ~ 1.78	2.40 ~ 1.71	2.65 ~ 1.60	3.03 ~ 1.50
1.5	1.53 ~ 1.46	1.54 ~ 1.45	1.56 ~ 1.43	1.59 ~ 1.41	1.64 ~ 1.37	1.70 ~ 1.33	1.82 ~ 1.27	1.98 ~ 1.21
1.2	1.22 ~ 1.18	1.22 ~ 1.17	1.24 ~ 1.16	1.25 ~ 1.14	1.28 ~ 1.12	1.32 ~ 1.09	1.38 ~ 1.05	1.47 ~ 1.01
1.0	1.01 ~ 0.99	1.01 ~ 0.98	1.02 ~ 0.97	1.03 ~ 0.96	1.03 ~ 0.96	1.07 ~ 0.93	1.11 ~ 0.90	1.17 ~ 0.87
0.85	0.86 ~ 0.84	0.86 ~ 0.84	0.87 ~ 0.83	0.88 ~ 0.83	0.88 ~ 0.82	0.90 ~ 0.80	0.93 ~ 0.78	0.96 ~ 0.76

DEPTH OF FIELD SCALE NORITAR F4 160mm

(Feet)

Circle of Least Confusion : 0.06 mm

F ft	4	5.6	8	11	16	22
∞	∞ ~ 358.2	∞ ~ 256.5	∞ ~ 179.9	∞ ~ 131.0	∞ ~ 90.3	∞ ~ 65.9
100	137.7 ~ 78.5	162.2 ~ 72.3	221.6 ~ 64.7	409.4 ~ 57.2	985.3 ~ 47.9	∞ ~ 40.1
50	57.8 ~ 44.1	61.6 ~ 42.1	68.4 ~ 39.4	79.5 ~ 36.5	109.0 ~ 32.6	196.8 ~ 28.9
30	32.6 ~ 27.8	33.7 ~ 27.0	35.6 ~ 25.9	38.3 ~ 24.7	43.9 ~ 22.8	53.3 ~ 21.0
20	21.1 ~ 19.03	21.5 ~ 18.67	22.3 ~ 18.16	23.3 ~ 17.55	25.2 ~ 16.63	27.9 ~ 15.65
15	15.58 ~ 14.47	15.82 ~ 14.26	16.20 ~ 13.97	16.71 ~ 13.62	17.63 ~ 13.07	18.88 ~ 12.48
12	12.35 ~ 11.67	12.50 ~ 11.54	12.73 ~ 11.35	13.03 ~ 11.13	13.57 ~ 10.77	14.27 ~ 10.38
10	10.24 ~ 9.77	10.34 ~ 9.69	10.49 ~ 9.56	10.68 ~ 9.40	11.03 ~ 9.16	11.47 ~ 8.88
8	8.14 ~ 7.86	8.20 ~ 7.81	8.29 ~ 7.73	8.41 ~ 7.63	8.61 ~ 7.48	8.86 ~ 7.30
7	7.11 ~ 6.90	7.15 ~ 6.86	7.21 ~ 6.80	7.30 ~ 6.73	7.44 ~ 6.61	7.62 ~ 6.48

(Meter)

F m	4	5.6	8	11	16	22
∞	∞ ~ 109.4	∞ ~ 78.21	∞ ~ 54.81	∞ ~ 39.96	∞ ~ 27.53	∞ ~ 20.08
50.00	91.25 ~ 34.45	136.6 ~ 30.64	∞ ~ 26.30	∞ ~ 22.35	∞ ~ 17.88	∞ ~ 14.44
30.00	41.07 ~ 23.64	48.21 ~ 21.80	65.17 ~ 19.52	116.9 ~ 17.27	358.6 ~ 14.49	∞ ~ 12.16
20.00	24.33 ~ 16.98	26.65 ~ 16.02	31.09 ~ 14.76	39.31 ~ 13.45	70.44 ~ 11.71	∞ ~ 10.15
15.00	17.29 ~ 13.25	18.41 ~ 12.66	20.41 ~ 11.87	23.63 ~ 11.01	32.07 ~ 9.83	56.33 ~ 8.72
10.00	10.95 ~ 9.20	11.38 ~ 8.92	12.10 ~ 8.53	13.14 ~ 8.08	15.35 ~ 7.44	19.25 ~ 6.79
8.00	8.59 ~ 7.49	8.85 ~ 7.30	9.27 ~ 7.04	9.86 ~ 6.74	11.03 ~ 6.29	12.88 ~ 5.83
5.00	5.21 ~ 4.80	5.30 ~ 4.73	5.45 ~ 4.62	5.64 ~ 4.50	5.99 ~ 4.30	6.47 ~ 4.09
4.00	4.13 ~ 3.88	4.19 ~ 3.83	4.27 ~ 3.76	4.39 ~ 3.68	4.59 ~ 3.55	4.86 ~ 3.41
3.00	3.07 ~ 2.93	3.10 ~ 2.91	3.14 ~ 2.87	3.20 ~ 2.82	3.30 ~ 2.76	3.43 ~ 2.67
2.50	2.55 ~ 2.46	2.57 ~ 2.44	2.59 ~ 2.41	2.63 ~ 2.38	2.70 ~ 2.33	2.78 ~ 2.28
2.00	2.03 ~ 1.97	2.04 ~ 1.96	2.06 ~ 1.95	2.08 ~ 1.93	2.12 ~ 1.90	2.16 ~ 1.86

DEPTH OF FIELD SCALE NORITAR F4 240mm

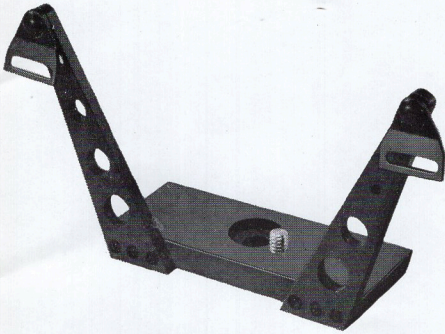
(Feet)

Circle of Least Confusion: 0.06 mm

ft \ F	4	5.6	8	11	16	22
∞	∞ ~ 790.4	∞ ~ 565.8	∞ ~ 396.4	∞ ~ 288.7	∞ ~ 198.8	∞ ~ 144.9
200	266.5 ~ 160.2	307.6 ~ 148.4	399.7 ~ 133.6	639.7 ~ 118.8	∞ ~ 100.4	∞ ~ 84.7
100	114.1 ~ 89.1	120.9 ~ 85.3	132.7 ~ 80.3	151.4 ~ 74.8	197.7 ~ 67.1	312.9 ~ 59.8
50	53.2 ~ 47.2	54.6 ~ 46.1	56.8 ~ 44.7	59.9 ~ 43.0	65.8 ~ 40.4	74.8 ~ 37.7
30	31.1 ~ 29.0	31.5 ~ 28.6	32.2 ~ 28.1	33.2 ~ 27.4	34.8 ~ 26.4	37.1 ~ 25.2
20	20.5 ~ 19.57	20.6 ~ 19.40	20.9 ~ 19.16	21.3 ~ 18.86	21.9 ~ 18.39	22.8 ~ 17.85
15	15.24 ~ 14.77	15.34 ~ 14.68	15.49 ~ 14.54	15.68 ~ 14.38	16.01 ~ 14.12	16.43 ~ 13.81
12	12.14 ~ 11.86	12.20 ~ 11.80	12.29 ~ 11.72	12.41 ~ 11.62	12.60 ~ 11.46	12.85 ~ 11.27

(Meter)

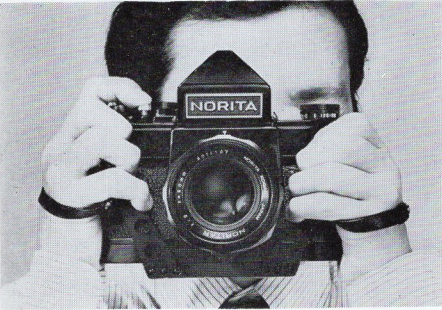
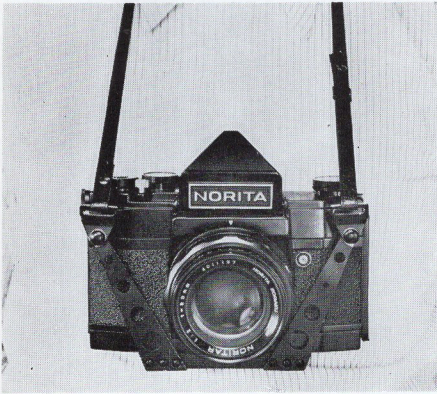
m \ F	4	5.6	8	11	16	22
∞	∞ ~ 234.0	∞ ~ 167.5	∞ ~ 117.4	∞ ~ 85.48	∞ ~ 58.87	∞ ~ 42.92
100.00	173.5 ~ 70.34	245.7 ~ 62.88	656.5 ~ 54.25	601.1 ~ 46.33	∞ ~ 37.27	∞ ~ 30.21
50.00	63.31 ~ 41.35	70.85 ~ 38.67	86.26 ~ 35.26	118.6 ~ 31.75	318.4 ~ 27.25	∞ ~ 23.30
30.00	34.28 ~ 26.69	36.35 ~ 25.56	39.99 ~ 24.03	45.71 ~ 22.37	60.05 ~ 20.06	96.49 ~ 17.85
20.00	21.79 ~ 18.49	22.60 ~ 17.95	23.93 ~ 17.19	25.84 ~ 16.33	29.81 ~ 15.08	36.59 ~ 13.81
15.00	15.97 ~ 14.14	16.40 ~ 13.83	17.08 ~ 13.38	18.01 ~ 12.86	19.83 ~ 12.08	22.57 ~ 11.27
12.00	12.60 ~ 11.45	12.86 ~ 11.25	13.27 ~ 10.96	13.82 ~ 10.61	14.86 ~ 10.08	16.32 ~ 9.51
10.00	10.41 ~ 9.62	10.58 ~ 9.48	10.86 ~ 9.27	11.22 ~ 9.03	11.88 ~ 8.65	12.78 ~ 8.23
8.00	8.25 ~ 7.76	8.36 ~ 7.67	8.53 ~ 7.54	8.74 ~ 7.38	9.13 ~ 7.13	9.64 ~ 6.85
7.00	7.19 ~ 6.82	7.27 ~ 6.75	7.39 ~ 6.65	7.55 ~ 6.53	7.84 ~ 6.33	8.21 ~ 6.11
6.00	6.14 ~ 5.87	6.19 ~ 5.82	6.28 ~ 5.75	6.39 ~ 5.66	6.59 ~ 5.51	6.84 ~ 5.35
5.00	5.09 ~ 4.91	5.13 ~ 4.88	5.19 ~ 4.83	5.26 ~ 4.77	5.39 ~ 4.67	5.55 ~ 4.55
4.00	4.06 ~ 3.95	4.08 ~ 3.93	4.11 ~ 3.89	4.16 ~ 3.85	4.23 ~ 3.79	4.33 ~ 3.72
3.50	3.54 ~ 3.46	3.56 ~ 3.44	3.58 ~ 3.42	3.62 ~ 3.39	3.67 ~ 3.35	3.74 ~ 3.29



THE CARRY-CRADLE®

The CARRY-CRADLE Accessory has been designed to carry the NORITA 66 Camera easily and with utmost safety. It need not be removed in order to load or unload the film from the camera. This newly patented modern design permits bracing the camera with the carrying straps to make use of the slow speeds and the high aperture F2 lens so necessary for "available-light" photography (Rifle-Sling Technique)

A NEW "FIRST" FOR NORITA SLR MEDIUM FORMAT CAMERA DESIGN



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