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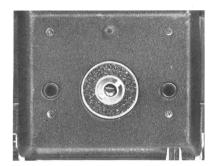
■ Changing the Back Cover

Tripod Socket



The back cover of this camera can be exchanged with the exclusive back cover for single exposure attachment. Release the back cover catch button and open the back cover halfway. In this condition, slide the back cover in the arrow direction (as shown in the picture) while depressing the back cover hinge release (33)

When the back cover is fully opened, the back cover also can be detached by sliding it horizontally while depressing the tip of the hinge release from the inner side of the back cover. When installing the back cover, press the hinge release with the hinge of the cover while inserting the hinged shaft of the back cover in the body receiver, sliding the back cover in the reverse direction from detaching it.



In addition to a tripod, a grip holder, pistol grip, paramender, and so forth can be attached to the tripod socket (34) on the camera base.

Those persons who own a tripod with a 3/8 in. tripod screw can attach their tripod as follows. First, remove the securing screw located in the interior of the tripod socket with a driver, turning the screw counterclockwise. Next, fit a coin to the groove of the tripod socket and remove the tripod screw by turning it counterclockwise; thus the screw receptacle on the camera body will accept a 3/8 in. screw.

Accessories

Filters

There are five different types of filters (Y2, YG, O2, UV, and SL) for each filter size described in the system chart on page 41.

- There are two different diameters for the 80mm f/2.8 and 105mm f/3.5 lenses. When you order filters for these lenses, always specify the diameter of your lens.
- When using a 49mm diameter filter, employ the 49mm filter for Mamiya
 C: otherwise attaching the lens hood might be impossible. When you order filters, always specify the MAMIYA C Professional type.
- To attach a filter to a lens of 49mm filter diameter, place your palm on the protective lens ring screwed into the front barrel of the lens, turn the ring counter-clockwise to remove it, and then screw in the filter. When a filter is not used, always replace the ring to protect the lens barrel.

Lens hoods

There are five different types of lens hoods available for interchangeable lenses

- 1. Lens hood for 55mm lens (*)
- 2. Lens hood for 65mm lens (*)
- Lens hood 42mm φ for 80mm f/2.8 (chrome type) and 105mm f/3.5 (chrome type) lenses
- Lens hood 48mm φ for 80mm f/2.8 (black type) 105mm f/3.5 D and 135mm f/4.5 lenses
- Lens hood for super 180mm, 180mm and 250mm lenses (*)
- Lens hoods marked with an asterisk
 (*) have a side plate which can be
 inclined. Attach the lens hood to
 the lens with this plate upward.
 When light reflected from the lens
 hood to the viewing lens becomes
 annoying while focusing, due to a
 certain light condition, incline the
 side plate to eliminate the annoying
 reflection.
- All of these lens hoods are comparatively new type attached only to the taking lens. Old type lens hoods are also acceptable.

Diopter Lens

For persons whose vision is not adapted to the magnifying glass (-1.5 diopter) mounted on the focusing hood as standard equipment, five additional types of lens (-3, -2, 0, +1, +2 diopters) are available to effect diopter correction. The magnifying glass changing procedure is shown on page 15.

Lens Case

To protect and easily carry interchangeable lenses, the following hard cases (4 types) are available:

- (1) Case for 55, 80, and 105mm lenses
- (2) Case for 65 and 135mm lenses
- (3) Case for 180mm lens
- (4) Case for 250mm lens

Soft leather case

The soft leather case is widely applicable to protect interchangeable lenses for the Mamiya C Professional or to store accessories.

This case also can hold lenses for the Mamiya Press and Mamiya RB.

Focusing Screen

The following types of focusing screen are available, replaceable according to the photographing purpose. A metal frame is provided for all focusing screens.

Desig	gnation	Features	Application
X -13 -2 -23 -3	No. 1 Matte	Matted entire surface; Fresnel lens (except center circular portion); with exposure factor scale.	For general photography Suitable for any lens
x -15 -2 -23	No. 2 Rangefinder Spot 4°	Matted entire surface (except center small circular split prism portion); Fresnel lens (except center circular portion); with exposure factor scale.	For general photography Quick, accurate focusing is possible through the matted surface and the split prism.
1 -15 -2 -3 Θ	No. 3 Rangefinder Spot 6°	Matted entire surface (except center small circular split prism portion); with Fresnel lens (except center circular portion); with exposure factor scale.	For general photography. Focusing precision by the split prism is sensitive compared with the No. 2 Rangefinder Spot 4°
-1 -1 -2 -3	No. 4 Microprism	Matted entire surface (except center micropirsm portion); with Fresnel lens (except center circular portion), and exposure factor scale.	For general photography Focusing is performed through the matted surface and the center microprism portion.
x -15 -2 -25 -3	No. 5 Cross Hair	Matted entire surface (except center circular portion); with exposure factor scale.	For special photography Suitable for close-up photography by largely extending the bellows; also for dim, distant views and astrophotography.
3 -3	No. 6 Checker	Matted entire surface; with Fres- nel lens (except center circular portion); with sectional scale, and exposure factor so e.	Sectional graduations are added to the No. 1 Matte. Convenient in arranging composition.

Porrofinder

By attaching this Porrofinder instead of the regular focusing hood, the camera can be held at eye level. The image in the finder is right side up and correct right to left . . . actual visual focusing.

Magnification of this finder approximately doubles the image on the ground glass focusing screen.



Prism Finder

Through this prism finder, the image on the ground glass focusing screen appears exactly as the subject is seen. Really an indispensable accessory for eye-level photojournal photos or candid shots.

Magnification of this finder is approximately 2.5 times the image on the ground glass focusing screen, particularly bright and clear.



CdS Porrofinder

This is a Porrofinder with builtin CdS exposure meter. Match the index needles within the finder by turning the dial on the back of the finder, and read the dial scale. This device measures the amount of light traveling through the viewing lens, offering correct exposure setting even for amateurs.



Eye Correction Lens

This lens, designed to correct visibility, is installed inside the eyepiece ring of the Porrofinder, CdS Porrofinder, or Prism Finder.

Nine types of lenses are provided from +2.5 to -2 diopter (each diopter is +2.5, +2.0, +1.5, +1.0, +0.5, -0.5, -1.0, -1.5, and -2.0).

When installing the lens on the finder, hold the milled portion of the eyepiece ring with the thumb and finger, and turn it counterclockwise to remove the ring. When the lens is a plus (convex) lens, position it with the flat surface outside; and when it is a minus (concave) lens, place the concave surface on the exterior, then screw the ring into its original position.

Accessories

Magnifying Hood

This magnifying hood may be used instead of the focusing hood. By turning the knob on the side of this hood, either $3.5 \times$ or $6 \times$ magnification can be selected



CdS Finder

This is a spot metering finder with a CdS exposure meter incorporated in the magnifying hood. Since the meter measures light which passes through the lens, the correct exposure setting is easily obtained. A compensating exposure factor need not be considered even if the bellows is extended. When employing a color filter, however, compensating exposure must be made by considering the filter exposure factor. (By attaching the same color filter to the finder lens, such compensation is unnecessary.)



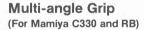
Grip Holder

(for Mamiya C)

The grip holder is a very convenient accessory for hand-holding the camera while taking pictures or for carrying the camera. Its accessory shoe is attached on the top of the grip.

(for Mamiya C330 & RB)

The camera shutter can be released by triggering the shutter button of this grip. This grip can also be used for the Mamiya RB.



The grip mounting angle can be freely turned by single action; when one's finger is removed, the grip is secured after each 20-degree turn.

A trigger-type design is adopted for this grip, interlocked with the camera shutter release button. It is equipped with a lock device so that the trigger cannot be depressed inadvertently.

The accessory shoe on the grip can be freely turned in either direction and secured.







Pistol grip

This grip, which supports the camera from the bottom, has a trigger type shutter release button which many persons prefer when following sports action.



Focusing Knob Adapter

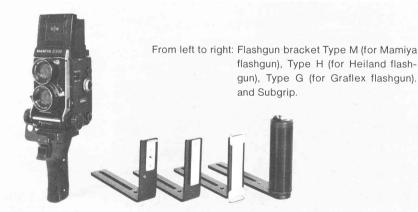
An adapter for attaching to the focusing knob to facilitate precise focusing.



Pistol Grip Model II

(For Mamiya C330 and RB)

A trigger-type shutter release button is interlocked with the camera. By replacing the changeable base plate, an optional flashgun bracket may be attached. When a subgrip is mounted instead of the flashgun bracket, further stabilized eye-level photography becomes possible.



Single Exposure Attachment

By using the single exposure attachment provided, single exposures can be made of dry plates (2-1/2 \times 3-1/2 in., 6.5 \times 9cm) or cut films (4-3/4 \times 6-1/2 in. cut film divided into four 1/4 sizes or 2-1/2 \times 3-1/2 in.). When using 4-3/4 \times 6-1/2 in. cut film divided into four one-quarter sizes, use a J-type film sheath. When using 2-1/2 \times 3-1/2 in. film, use a D-type film sheath.

Replace the camera back cover with the exclusive back cover for single exposure. Always remove the spool in the camera. Install a holder containing a dry plate or cut film on the exclusive back cover to complete preparation. This single exposure attachment is used exclusively with the C330.



Paramender Model 2

This is a parallax-correcting instrument used between the camera base and a tripod. Keep the part attached to the camera base downward while focusing, then raise the camera position by turning the handle until it stops just before releasing the shutter. Thus, the taking lens is lifted to the position where the viewing lens was, and parallax is hereby automatically corrected.



Paramender Model 3

with Pan Head

Model 3 Paramender supports the camera firmly with two side arms. This de luxe type Paramender also functions as the pan head.



Tripod Adapter Type P

This adapter can be attached to either a U 1/4 inch or 3/8 inch tripod screw. Also this adapter permits coupling with the quick-shoe, enables rapid camera mounting on the tripod.



Flashgun Adapter

The flashgun adapter, designed for the Mamiya flashgun, is provided with an accessory shoe for accommodating other brands of clip-on type flash units.



Quick-shoe

The quick-shoe can be coupled with the tripod adapter type P, enabling the camera to be rapidly attached to the tripod.



Flashgun

Highly efficient, large BC type flashgun—usable with both a screw-base bulb and a bayonet type base bulb--supplies sufficient light for taking pictures under any condition.



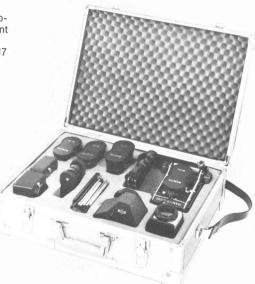
Aluminum Custom Case

The Mamiya Custom Case is a smartly portable, luggage-type aluminum case.

The Custom Case is designed to accommodate and to easily hand-carry normelly required interchangeable lenses and accessories as well as standard equipment. By changing the inserts, the Custom Case conveniently accommodates the Mamiya C, Mamiya RB, or Mamiya Press and related equipment.

The interchangeable inserts, made of sponge rubber, provide effective shock absorption and sufficient protection of the equipment.

The case measures 18% "×13%"×6%" ($47 \times 35 \times 17$ cm) and weighs 8 lbs, 2% oz., (3.7 kg).



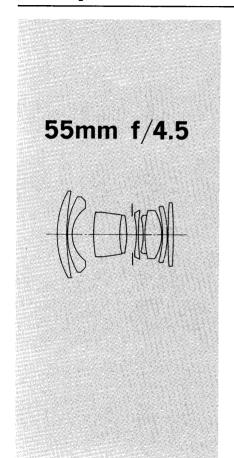
Lens Specifications Table

,		Picture	Minimum	Filter	Lens Hood	Close-Up (Capabilities
Lens	Composition	Angle	Aperture	Diameter (mm)	Diameter (mm)	Shortest Distance from Film to Subject	Subject Coverage
55mm f/4.5	9 element 7 group	70° 30′	f/22	46 <i>ø</i>	48¢	9 ¹ / ₂ in. (24.1cm)	$2^{17/32} \times 2^{17/32}$ in. $(6.4 \times 6.4$ cm)
65mm f/3.5	6 element 5 group	63°	f/32	49 <i>¢</i>	50¢	$10^{-11}/_{16}$ in. (27.1cm)	$2^{21/_{32}} \times 2^{21/_{32}}$ in. (6.7×6.7cm)
80mm f/2.8	5 element 3 group	50° 40′	f/32	46 <i>¢</i>	48¢	1ft. 1 $^{15/}_{16}$ in. (35.4cm)	$3^{25}/_{64} \times 3^{25}/_{64}$ in. $(8.6 \times 8.6 \text{cm})$
105mm f/3.5D	5 element 3 group	41° 20′	f/32	46 <i>ø</i>	48¢	1ft. 11in. (58.4cm)	$7^{1/4} \times 7^{1/4}$ in. $(18.4 \times 18.4$ cm)
135mm f/4.5	4 element 3 group	33°	f/45	46 <i>ø</i>	48¢	2ft. 11 ¹ / ₂ in. (90.2cm)	$9^{15/16} \times 9^{15/16}$ in. (25.2×25.2cm)
Super 180mm f/4.5	5 element 4 group	24° 30′	f/45	49¢	50∳	4ft. 2 ³ / ₄ in. (1m29cm)	$10^{53/_{64}} \times 10^{53/_{64}}$ in (27.5×27.5cm)
250mm f/6.3	6 element 4 group	18°	f/64	49 <i>¢</i>	50 ø	6ft. 8 ³ / ₄ in. (2m05cm)	$1 \text{ft.}^{1/4} \text{in.} \times 1 \text{ft.}^{1/4} \text{in.}$ (31.1×31.1cm)

■ Angle of View Changes by Interchanging Lenses

55mm 65mm 80mm All these pictures were taken from the same position, at on identical distance from the subject. 105mm 135mm 180mm 250mm

■ Depth of Field Table

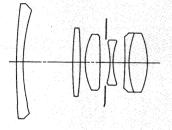


Aperture					Dista	nce (in	feet)				
nperture	∞	30	15	7	5	3	2.5	2	1.5	1	9 ½.
4.5	29′ 1° ∞	14′ 11°	10′ 30′ 1°	5′ 9° 9′	4' 4¼' 5' 11"	2' 9¼* 3' 3¼*	2' 45% 2' 834'	1' 10 %° 2' 1 %°	1' 5½' 1' 6½'	11½° 1′½°	9 1/6 9 1/6
5.6	23′ 2″ ∞	13′ 3°	9′ 3° 40′ 8°	5' 6' 9' 8½'	4' 2½* 6' 2*	2' 8½° 3' 4¼°	2' 4½' 2' 9½'	1' 10%° 2' 1½°	1' 5% 1' 6¾	11½6 1′¾6	9%; 9%;
8	16′ 5* ∞	10′ 9° ∞	8′ 145′	5′ 1° 11′ 7°	3′ 11½° 6′ 10°	2' 7½' 3' 6¼'	2′ 3¾° 2′ 10¾°	1′ 10⅓° 2′ 2¼′	1' 51/8" 1' 7'	11¾" 1′¼'	9 1/6 9 1/6
11	11 8 ×	8′ 6° ∞	6′9° ∞	4 6½ 16 1	3′ 7¾* 8′ 2*	2' 5½' 3' 9½'	2' 214"	1' 9½' 2' 3¼'	1' 4¾* 1' 7½*	11½ 1 ¾	9%° 9%°
16	8 4 ∞	6′ 8° ∞	5′ 6° ∞	3′ 11¾° 35′ 10°	3' 3½" 11' 1"	2' 41/8" 4' 31/4"	2' 1/8" 3' 41/4"	1 8% 2 5	1' 4¼" 1' 8¼"	11½* 1′ %*	9% 9%
22	5′ 11½* ∞	5′ 1° ∞	4 5 ° ∞	3′ 4¾* ∞	2′ 10¾° 23′ 8″	2' 1¾' 5' 1'	1' 11 1/8" 3' 10 3/4"	1' 7½' 2' 7¾'	1' 3¾' 1' 9¼'	11 ½. 1′ ½.	9%; 9%;

Anantuus		Distance (in meter)											
Aperture	∞	5	3	2	1.5	1.1	0.8	0.6	0.5	0.4	0.3	0.25	
4.5	8.87	3.24	2.28	1.66	1.31	1.00	0.75	0.57	0.48	0.391	0.296	0.249	
	∞	11.11	4.42	2.52	1.76	1.23	0.86	0.63	0.52	0.410	0.304	0.251	
5.6	7.07	2.98	2.15	1.59	1.27	0.98	0.74	0.57	0.48	0.389	0.296	0.248	
	∞	16.28	5.04	2.70	1.85	1.26	0.88	0.64	0.52	0.412	0.305	0.252	
8	5.02	2.56	1.93	1.47	1.19	0.93	0.71	0.56	0.47	0.384	0.294	0.248	
	∞	∞	7.04	3.17	2.05	1.35	0.91	0.65	0.53	0.418	0.307	0.253	
11	3.57	2.13	1.68	1.33	1.10	0.88	0.68	0.54	0.46	0.378	0.291	0.247	
	∞	∞	16.81	4.21	2.42	1.49	0.97	0.68	0.55	0.425	0.309	0.254	
16	2.55	1.73	1.43	1.17	0.99°	0.81	0.65	0.52	0.45	0.370	0.288	0.245	
	∞	∞	∞	7.97	3.27	1.76	1.07	0.72	0.57	0.437	0.314	0.255	
22	1.82	1.37	1.18	1.00 ∞	0.87 6.65	0.73 2.37	0.60 1.25	0.49 0.79	0.43 0.61	0.359 0.455	0.283 0.320	0.243 0.257	

Depth of Field Table

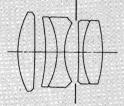
65mm f/3.5



A					Dista	nce (in f	eet)				
Aperture	∞	30	15	7	5	3	2	1.75	1.5	1.25	1
3.5	50′ 2¾″ ∞	18′ 11¼* 73′ 1¼*	11 8° 21 1	6' 2½' 8' ¼'	4 7¼* 5 5¾*	2 10½ 3 1¾	1 111/4 2 1/2	1' 8% 1' 95%	1 5 1/6 1 6 1/6	1 21% 1 3%	11 ^{2%} / ₃₂ 1 3⁄ ₂
4	43' 11½' ∞	17' 11¾' 92' 1¼'	11 3¾ 22 4½	6′ 1½″ 8′ 2¼″	4' 6½" 5' 6¾"	2' 10½" 3' 2"	1 11½ 2 ¾	1' 8½' 1' 9½'	1′ 5½″ 1′ 6½″	1 213/6 1 3 1/2	112% 1′ 3⁄2
5.6	31 5½ o	15′ 6¼° 155′ 9°	10 3½° 27 11"	5′ 9¾° 8′ 9¾°	4′ 4¾° 5′ 9¾°	2 9½ 3 3	1 11 2 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1' 8% 1' 9%	1 5½ 1 6½	1' 22% 1' 3%2"	11 % 1′ %
8	22' 1 "	12' 10½" ∞	9 1 44 5¾	5′ 5¼* 9′ 11 *	4′ 2° 6′ 3″	2' 8½" 3' 4½"	1 10½° 2 1½°	1′8° 1′10 %°	1′ 5½″ 1′ 6¾″	1' 2½" 1' 3½"	111¾ 1′¾
11	16 1½ ∞	10′ 7½° ∞	7 11¼" 175 8"	5' ¼' 11' 9¼'	3′ 11¼° 6′ 11″	2 7½° 3 6¼	1 10 ¼ 2 2 ¼	1' 72½" 1' 10½"	1 5½ 1 7½	1′ 2½″ 1′ 3½″	11¾ 1′¾
16	11′ 1¾° ∞	8′ 3 ° ∞	6' 6¾* ∞	4′ 5½° 17′ 2¼°	3 7½° 8 5	2' 5¾' 3' 10¼'	1' 9½" 2' 3½"	1′ 7¾′ 1′ 11¼°	1 4 ² / ₃₂ 1 7 ⁹ / ₆	1 2½" 1 3½"	112½ 1′ ¾
22	8 2 ° ∞	6′ 6¼° ∞	5′ 5¼° ∞	3' 11½" 39' ¾"	3′ 3° 11′ 5°	2' 4" 4' 3¾"	1' 8½" 2' 5"	1' 6½" 2' ½	1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1' 1%" 1' 4¼"	1111/32
32	5 8½°	4 10¼* ∞	4′3* ∞	3′ 3½* ∞	2 10 29 34 °	2' 1½' 5' 5¼'	1' 7¼ 2' 8¼	1 5%6 2 2%6	1 3 % 1 9 %	1' 1%6' 1' 42%	11½ 1′½

Aperture					Dist	tance (in met	er)				
Aperture	∞	5	3	2	1.2	1	0.8	0.65	0.6	0.5	0.4	0.3
3.5	15.31 ∞	3.81 7.32	2.54 3.68	1.79 2.27	1.12 1.29	0.95 1.06	$\begin{array}{c} 0.77 \\ 0.83 \end{array}$	0.63 0.67	0.585 0.616	0.490 0.510	0.395 0.405	0.298 0.302
4	13.40 ∞	3.68 7.84	2.48 3.80	1.76 2.31	1.12 1.30	0.94 1.06	0.77 0.84	0.63 0.67	0.582 0.619	0.489 0.512	0.394 0.406	0.298 0.302
5.6	9.59 ∞	3.33 10.16	2.32 4.26	1.68 2.47	1.09 1.34	0.92 1.09	0.75 0.85	0.62 0.68	0.576 0.627	0.485 0.517	0.392 0.409	0.297 0.303
8	6.73 ∞	2.92 18.35	2.12 5.21	1.58 2.75	1.04 1.42	0.89 1.14	0.73 0.88	0.61 0.70	0.566 0.639	$\begin{array}{c} 0.478 \\ 0.524 \end{array}$	0.388 0.413	0.296 0.304
11	4.91 ∞	2.53 ∞	1.91 7.25	1.46 3.21	$\frac{1.00}{1.52}$	0.86 1.20	$\substack{0.71\\0.92}$	0.59 0.72	0.554 0.655	0.471 0.534		0.294 0.306
16	3.40 ∞	2.07 ∞	1.64 20.27	1.31 4.30	$0.93 \\ 1.73$	0.81 1.33	$0.68 \\ 0.98$	0.57 0.75	0.536 0.684	0.459 0.551	$0.378 \\ 0.426$	0.292 0.309
22	2.49 ∞	1.71 ∞	1.41 ∞	1.16 8.48	0.85 2.09	$\begin{array}{c} 0.76 \\ 1.52 \end{array}$	0.64 1.07	0.55 0.80	0.516 0.723	0.446 0.573		0.289 0.313
32	1.73 ∝	1.32 ∞	1.14	$0.98 \atop \infty$	$\substack{0.76\\3.21}$	$\substack{0.68\\2.00}$	0.59 1.28	0.51 0.91	$0.486 \\ 0.801$	0.425 0.616	0.358 0.457	0.284 0.319

80mm f/2.8

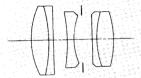


A				Dist	tance (in fe	et)			
Aperture	20	30	15	10	7	5	4	3	1. 5
2.8	102 7°	23 41/4 42 1/4 1	13′ 2* 17′ 5°	9' 2" 11'	6 7½° 7 5½°	4′ 9¾″ 5′ 2½″	3 10½ 4 1½	2' 11¼* 3' ¾'	1′ 5 ¾° 1′ 6 ¾°
4	71′ 10½*	21 4	12′ 6¼°	8 10½	6′ 5½°	4' 8¾'	3 10	2' 11"	1' 5%
	∞	50 9¾	18′ 8¾	11 5¾	7′ 8°	5' 3¾'	4 21/4	3' 1¼"	1' 6%
5.6	51′ 5″	19 1½*	11 9	8' 5¾*	6' 3'	4' 7½'	3 9½°	2' 10½"	1 5 ½
	∞	70 4	20 9½	12' 2½°	7' 11¾'	5' 5½'	4 3½°	3' 1½"	1 6 ¼
8	36 ¾	16 7* 167 5¾*	10′ 9¼° 24′ 11½″	7' 11½' 13' 5¾'	5' 11 ¾ * 8' 5¾ *	4′ 5¾° 5′ 8°	3′ 8″ 4′ 4¾	2' 10" 3' 2¼"	1′ 5 ² / ₃₂ 1′ 6 ¹ / ₃₂
11	26 3½	14 2 ½*	9' 8¾" 33' 3¾"	7′ 5″ 15′ 6½″	5′ 8″ 9′ 2½°	4' 3¾' 5' 11¾'	3 6¾ 4 6¾	2 9¼° 3 3¼°	1′ 5% 1′ 6½
16	18′ 1¾″	11 6"	8' 5"	6 7½	5′ 2½°	4' 34'	3 4¾	2′ 8°	1′ 5½′
	∞	∞	76' 3¼"	20 10¼	10′ 9½°	6' 634'	4 10½	3′ 5°	1′ 6¾′
22	13′ 3¼°	9 ' 4 ½"	7′ 3°	5 10 ³ / ₄ *	4 9½	3′ 9½°	3 2¾	2' 7'	1' 5 16'
	∞	∞	∞	35 8*	13 7	7′ 5¼°	5 4	3' 7½'	1' 7'
32	9' 2¼*	7 ' 2½"	5′ 10¾″	5′	4' 2½'	3 5¼°	2 11½	2' 5"	1' 4%
	∞	∞	∞	∞	24' 2¾'	9 7¾°	6 3¾	4'	1' 7½

Anontuna				Dista	nce (in r	neter)			
Aperture	∞	10	5	3	2	1.5	1.2	1	0.45
2.8	31.27	7.62	4.34	2.76	1.89	1.44	1.16	0.98	0.447
	∞	14.57	5.90	3.29	2.12	1.56	1.24	1.02	0.453
4	21.91	6.92	4.11	2.66	1.85	1.42	1.15	0.97	0.446
	∞	18.13	6.40	3.44	2.18	1.59	1.26	1.04	0.454
5.6	15.67	6.16	3.84	2.55	1.80	1.39	1.13	0.95	0.444
	∞	26.92	7.21	3.65	2.26	1.63	1.28	1.05	0.456
8	10.99	5.30	3.49	2.40	1.72	1.35	1.10	0.94	0.442
	∞	99.80	8.91	4.02	2.39	1.70	1.32	1.07	0.458
11	8.01	4.51	3.14	2.23	1.64	1.30	1.07	0.91	0.439
	∞	∞	12.65	4.62	2.57	1.78	1.37	1.11	0.462
16	5.53 ∞	3.62 ∞	$\frac{2.69}{42.83}$	2.00 6.14	1.52 2.97	1.22 1.96	1.02 1.46	0.88 1.16	0.434 0.467
22	4.04 ∞	2.93 ∞	2.30 ∞	$\frac{1.78}{10.25}$	1.39 3.64	1.14 2.21	0.97 1.59	0.84 1.24	0.429 0.474
32	2.80	2.23	1.85	1.51	1.23	1.04	0.89	0.79	0.420
	∞	∞	∞	∞	5.90	2.84	1.87	1.40	0.486

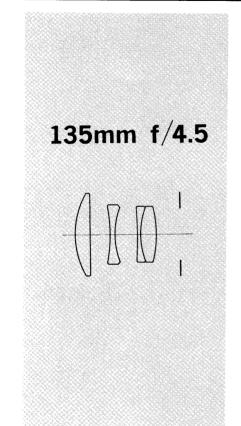
■ Depth of Field Table

105mm f/3.5 D



A				Dist	ance (in fe	e t)			
Aperture		30	15	10	7	5	4.5	4	3
3.5	131′ 5¼*	24′ 7°	13′ 6¾″	9' 4½'	6′ 8¼°	4' 10½"	4' 4½°	3' 11"	2′ 11½
	∞	38′ 6½°	16′ 9½″	10' 8¾'	7′ 4°	5' 2"	4' 7½°	4' 1"	3′ %
4	115' ½*	23' 11½' 40' 2'	13' 4½" 17' 1"	9′ 3¼° 10′ 10¼°	6' 7¾° 7' 4½°	4' 10° 5' 2½°	4' 4½' 4' 7¾'	3' 10¾' 4' 1¼'	2' 11½' 3' %'
5.6	82' 3½'	22' 2¼*	12′ 9¾°	9' ¼'	6' 6¼°	4' 9¼°	4' 3¾'	3' 10¼*	2' 11%
	∞	46' 6¼*	18′ 1¼°	11' 2¾'	7' 6¾°	5' 3°	4' 8½'	4' 1¾*	3' %'
8	57′ 8¼*	19' 11¾'	12′ 1°	8′ 7¾*	6' 4"	4' 8¼"	4' 3'	3' 9¾'	2' 101%
	∞	60' 11¾'	19′ 10½°	11′ 10½*	7' 9¾"	5' 4½"	4' 9½'	4' 2¾'	3' 1%
11	42' ½'	17′ 9¼°	11′ 3″	8′ 3°	6' 1½°	4' 6¾°	4′2°	3′ 8¾°	2′ 10½
	∞	100′ ½°	22′ 7¾°	12′ 9¼°	8' 2¼°	5' 6¼°	4′11°	4′ 3¾°	3′ 1¾
16	28′ 11½″	15′	10′ 1½°	7' 7¾'	5′ 9¾*	4' 4¾'	4' ¼'	3' 7½'	2' 92%
	∞	∞	29′ 7°	14' 7½'	8′ 10½*	5' 9¾'	5' 1½'	4' 5½'	3' 21%
22	21′ 2½*	12′ 8*	9' ½'	7' ¾*	5′ 5½°	4' 2½°	3′ 10½*	3′ 6°	2' 81%
	∞	∞	38' 6½'	17' 9"	9′ 10½°	6' 2¼°	5′ 5″	4′ 8°	3' 35%
32	14 8 o	10′ 1' ∞	7' 8¼" 5180' 3¼"	6' 2½' 27' 9¼	4' 11¾' 12' 2¼'	3' 11¼' 6' 11¾'	3' 7¾* 5' 11¾*	3′ 4° 4′ ¾°	2' 7¾ 3' 5½

A				Di	stance (in mete	er)			
Aperture	∞	10	5	3	2	1.5	1.3	1.2	1	0.65
3.5	40.06	8.05	4.48	2.81	1.92	1.46	1.27	1.17	0.98	0.645
	∞	13.21	5.67	3.22	2.09	1.55	1.33	1.23	1.02	0.655
4	35.07	7.84	4.41	2.79	1.91	1.45	1.26	1.17	0.98	0.644
	∞	13.85	4.78	3.25	2.10	1.55	1.34	1.23	1.02	0.656
5.6	25.08	7.21	4.21	2.71	1.87	1.43	1.25	1.16	0.97	0.642
	∞	16.38	6.16	3.36	2.15	1.58	1.35	1.24	1.03	0.659
8	17.58	6.45	3.95	2.60	1.83	1.41	1.23	1.14	0.96	0.638
	∞	22.59	6.85	3.55	2.21	1.61	1.38	1.26	1.04	0.663
11	12.82	5.70	3.66	2.48	1.77	1.37	1.21	1.12	0.95	0.634
	∞	43.09	7.96	3.81	2.31	1.66	1.41	1.29	1.06	0.667
16	8.84	4.77	3.27	2.30	1.68	1.32	1.17	1.09	0.93	0.627
	∞	∞	10.92	4.35	2.48	1.74	1.47	1.34	1.09	0.676
22	6.46	4.00	2.90	2.12	1.59	1.27	1.13	1.07	0.90	0.618
	∞	∞	19.91	5.26	2.74	1.85	1.54	1.40	1.12	0.686
32	4.47	3.16	2.44	1.87	1.45	1.19	1.07	1.00	0.87	0.605
	∞	∞	∞	8.08	3.30	2.08	1.69	1.51	1.19	0.704

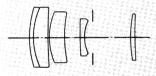


Anantuna				Dis	tance (in fe	et)			
Aperture	∞	30	15	10	7	6	4	3.5	3
4.5	159′ 3½″ ∞	25 4¾ 36 8	13 9½ 16 5¼	9′ 5¾ 10′ 7′	6 9 7 3½	5 10" 6 2¾"	3′ 11¼′ 4′ ¾′	3 5½° 3 6½°	2 11½ 3 ½
5.6	128′ ¾″ ∞	24' 5¾' 38' 9¼'	13 6½° 16 10°	9' 4½'' 10' 9'	6' 8½' 7' 4"	5' 9½" 6' 2¾"	3 11 4 1	3 5¼ 3 6¾	2 11 ½ 3 ½
8	89′ 8¾° ∞	22' 8½" 44' 4¼	13' 17' 9"	9' 1¼" 11' 1¼'	6 7 7 5¾	5' 8¼" 6' 4"	3 10½" 4 1½"	3 5" 3 7"	2 11 ¹ ₄ 3 ³ ₄
11	65′ 4° ∞	20' 9¾' 54' 1¼'	12 4½* 19 1	8' 9¾' 11' 9'	6 5¼ 7 8¼	5' 7' 6' 5¾'	3' 10' 4' 2½'	3 4½ 3 7½	2 11 3 1
16	45′ ¼″ ∞	18' 3½' 85' 6¾'	11 5¾ 21 9½	8′ 4¼″ 12′ 5¾″	6 2½ 8 ¾	5' 5' 6' 8¾"	3 9¾ 4 3¼	3′ 4′ 3′ 8¼°	2 10 ³ 3 1 ¹
22	32 10' ∞	15 11 ¾ 286 2 ¼	10' 6¾' 26' 3½'	7 10½ 13 9¼	5 11½ 8 6½	5' 2¾' 7' ¾'	3' 8¼' 4' 4½"	3 3¼° 3 9¼°	2 10 3 2
32	22 8	13 2½ ∞	9' 3¾'' 40' 2¾''	7 2¼ 16 8	5′ 6¾° 9′ 6′	4' 11¼' 7' 8"	3 634° 4 7°	3 2½ 3 10¾	2 9 ¹ / ₄ 3 3 ¹ / ₄
45	16 2½* ∞	10′ 9½° ∞	8 1 132 8	6 5 34 23 1/2	5 1¾ 11 2	4 7½ 8 8¼	3′ 5′ 4′ 10½	3 ¾° 4 3¾°	2' 8½ 3' 4¾

Aperture				Distanc	e (in me	ter)			
Tiperrure	00	10	5	3	2	1.75	1.2	1.0	0.95
4.5	48.55 ×	8.34 12.49	4.56 5.53	2.85 3.17	1.93 2.07	1.70 1.80	1.18 1.22	0.99 1.01	0.94 0.96
5.6	39.03 ~	8.02 13.30	4.47 5.68	2.81 3.22	1.92 2.09	1.69 1.81	1.17 1.23	0.98 1.02	0.94 0.96
8	27.35 ∞	7.39 15.51	4.27 6.03	2.74 3.32	1.89 2.13	1.67 1.84	1.16 1.24	0.98 1.02	0.93 0.97
11	19.92	6.74 19.56	4.05 6.54	2.65 3.46	1.85 2.18	1.64 1.88	1.15 1.25	0.97 1.03	0.92 0.98
16	13.72	5.87 34.79	3.74 7.61	2.52 3.73	1.79 2.28	1.59 1.95	1.13 1.28	0.96 1.05	0.91 0.99
22	$^{10.01}_{-\infty}$	5.09 566.22	3.41 9.49	2.37 4.10	1.72 2.40	1.54 2.04	1.11 1.31	0.94 1.07	0.90 1.01
32	6.91 ∞	4.17 ∞	2.99 16.18	2.17 4.94	1.62 2.65	1.46 2.21	1.07 1.37	0.92 1.10	0.88 1.04
45	4.94 ∞	3.39	2.58 217.48	1.95 6.75	1.50 3.05	1.37 2.47	1.03 1.46	0.89 1.15	0.85 1.08

Depth of Field Table

Super 180mm f/4.5



Aperture		. Distance (in feet)													
	00	60	30	15	12	10	8	7	6	5	4.5				
4.5	299′	50´ 2¯	27' 4½"	14' 4¼"	11 7	9' 8¾'	7′ 10°	6' 10½"	5' 11'	4' 11¼'	4′ 5½°				
	∞	74´ 8˚	33' 2¼'	15' 8½"	12 5½	10' 3½"	8′ 2¼°	7' 1½"	6' 1'	5' ¾'	4′ 6½°				
5.6	240′ ∞	48′ 3″ 79′ 5″	26' 9 ³ / ₄ ' 34' 34'	14 2½ 15 10¾	11' 6' 12' 6½'	9′ 8° 10′ 4½°	7' 9½" 8' 2¾"	6 10 7 2	5′ 10¾* 6′ 1¼*	4' 11¼' 5' 1'	4' 5½' 4' 6¾'				
8	168′ ∞	44 6 92 3	25′ 7¾° 36′ 2″	13' 10½" 16' 3¾"	11' 3½' 12' 9¾'	9' 6½" 10' 6½"	7' 8½° 8' 3¾°	6 9¼ 7 2¾	5 10 1/4 6 2	4' 10¾' , 5' 1¼'	4' 5" 4' 7"				
11	122 o	40 7 7 115 7"	24 4 39 21/4	13′ 6″ 16′ 10½″	11' ½' 13' 1½'	9 4½ 10 9	7' 7¼" 8' 5½"	6' ½' 7' 4'	5' 9½' 6' 2¾'	4' 10¼' 5' 1¾'	4' 4¾' 4' 7¼				
16	84' 2'	35 5°	22' 4¾'	12′ 11″	10' 8°	9' 1'	7' 5°	6' 6¾'	5′ 8¼°	4 9¾	4' 4½'				
	∞	200	45' 6½'	17′ 10¾″	13' 8¾'	11' 1½'	8' 8'	7' 6'	6′ 4°	5 2½	4' 8'				
22	61'3'	30′8″	20′ 5½°	12' 3½"	10' 3"	8' 9¼'	7' 2¾'	6′ 5°	5′ 7°	4′ 8¾°	4' 3½'				
	∞	1664′	56′ 7″	19' 3½"	14' 61/4"	11' 7½'	8' 11½'	7′ 8¾	6′ 5¾°	5′ 3½°	4' 8¾'				
32	42′ 3°	25′ 2*	17' 10¾*	11 4½°	9' 7¼'	8' 3¾'	6' 11¼*	6' 2½'	5′ 5″	4' 7½°	4' 2½'				
	∞	∞	95' 2*	22 2½	16' ½'	12' 6¾'	9' 5¾*	8' ¾'	6′ 8¾	5' 5½°	4' 10'				
45	30′1″	20′ 4°	15′ 4¾°	10' 4¼'	8 10¾	7' 9½°	6' 7"	5' 11"	5' 2¾'	4 5¾	4' 1¼'				
	∞	∞	874′	27' 8'	18 7½	14' ½°	10' 3"	8' 7¾"	7' ¾'	5 8	5'				

	Distance (in meter)												
Aperture	∞	20	10	7	5	4	3	2.5	2	1.7	1.5	1.3	
4.5	91.00	16.46 25.49	9.05 11.18	6.53 7.54	4.76 5.26	3.85 4.16	2.92 3.09	2.45 2.56	1.97 2.03	1.68 1.72	1.48 1.52	1.29 1.31	
5.6	73.14	15.78	8.84	6.42	4.71	3.81	2.90	2.43	1.96	1.67	1.48	1.29	
	∞	27.32	11.51	7.69	5.33	4.20	3.11	2.57	2.04	1.73	1.52	1.31	
8	51.22	14.47	8.43	6.21	4.59	3.74	2.86	2.40	1.94	1.66	1.47	1.28	
	∞	32.42	12.30	8.03	5.49	4.30	3.16	2.60	2.06	1.74	1.53	1.32	
11	37.27 ∞	13.12 42.28	7.96 13.34	5.95 8.50	4.46 5.70	3.65 4.42	2.81 3.22	2.37 2.65	1.92 2.09	1.65 1.76	1.46 1.54	1.27	
16	25.65	11.35	7.29	5.58	4.25	3.51	2.73	2.32	1.89	1.62	1.44	1.26	
	∞	85.96	16.00	9.42	6.09	4.65	3.33	2.72	2.13	1.79	1.56	1.34	
22	$^{18.68}_{ \infty}$	9.77 ∞	6.62 20.67	5.18 10.84	4.02 6.63	3.36 4.95	2.64 3.48	2.25 2.81	1.85 2.18	1.59 1.82	1.42 1.59	1.25 1.36	
32	12.87	7.94	5.74	4.64	3.69	3.14	2.50	2.16	1.79	1.55	1.39	1.22	
	∞	∞	40.37	14.46	7.79	5.55	3.75	2.98	2.28	1.88	1.63	1.39	
45	9.17	6.39	4.90	4.08	3.34	2.88	2.35	2.04	1.71	1.50	1.35	1.19	
	∞	∞	∞	25.69	10.10	6.60	4.18	3.23	2.41	1.97	1.69	1.43	

250mm f/6.3



Aperture		Distance (in feet)													
	- 00	200	100	50	30	20	15	12	10	8	7				
6.3	412' ∞	135° 385°	81' 131'	44' 11' 56' 5'	28 2 32 1	19 2 20 10	14 7° 15 5°	11 9 12 3	9 10 10 2	7' 11" 8' 1"	6' 11½' 7' ½'				
8	325'	125	77′	43′ 8″	27' 8'	19'	14 5	11′ 8°	9' 9½'	7′ 10½°	6' 11 °				
	∞	513	143′	58′ 6″	32' 8'	21' 1'	15 7	12′ 4°	10' 2'	8′ 1½°	7' 1				
11	230 ′ ∞	108' 1474'	70 4 174	41' 6' 62' 11'	26 10" 34"	18′ 7′ 21′ 7′	14′ 3″ 15′ 10″	11 6 12 6	9 8½ 10 3	7′ 10° 8′ 2°	6′ 10½′ 7′ 1½′				
16	163′	90′ 7°	62' 9'	38′ 10°	25 9"	18' 1"	14	11' 3'	9′ 7°	7′ 9°	6 10 °				
	∞	∞	252'	70′ 6°	36	22' 4'	16' 2	12' 8'	10′ 5°	8′ 3°	7 2				
22	116'	74′	54′ 5°	35′ 7°	24' 4'	17 5	13′ 7°	11 2"	9' 5'	7′ 8°	6 9 °				
	∞	∞	688′	85′ 2°	39' 3'	23 6	16′ 9°	13	10' 8'	8′ 4½°	7 2½				
32	82' 1"	58′10 °	45′ 11′	31′ 10°	22′ 7°	16′ 7°	13' 1'	10′ 10°	9' 2½"	7 6½°	6' 8'				
	∞	∞	∞	121′	45′ 2°	25′ 4″	17' 7'	13′ 7°	10' 11"	8 6	7' 4'				
45	58′ 5°	45′ 9°	37′ 7°	27′ 9*	20′ 6″	15 6°	12' 5"	10' 5"	8′ 11½°	7' 4½'	6' 6½				
	∞	∞	∞	303′	57′ 6″	28 7°	19'	14' 3'	11′ 4°	8' 9'	7' 6'				
64	41′8° ∞	34 11 °	30′ 1″ ∞	23′ 6°	18′ 3″ 94′ 4″	14 3 34 11	11' 8' 21' 5'	9 10½" 15 6	8' 6½° 12' 1'	7 1½" 9 1½"	6' 4½ 7' 9"				

A	Distance (in meter)												
Aperture	∞	50	30	20	15	10	7	5	4	3	2.5		
6.3	125.6 ∞	35.97 82.30	24.37 39.08	17.37 23.59	13.49 16.90	9.33 10.78	6.68 7.36	4.84 5.17	3.91 4.10	2.95 3.05	$\begin{array}{c} 2.47 \\ 2.53 \end{array}$		
8	99.02	33.44	23.20	16.78	13.14	9.16	6.60	4.80	3.88	2.94	2.46		
	∞	99.75	42.57	24.80	17.50	11.01	7.46	5.21	4.13	3.06	2.54		
11	70.12	29.43	21.22	15.73	12.50	8.86	6.45	4.73	3.83	2.92	2.45		
	∞	170.3	51.56	27.55	18.80	11.49	7.67	5.31	4.18	3.09	2.56		
16	49.69	25.17	18.94	14.46	11.70	8.46	6.24	4.62	3.77	2.88	2.42		
	∞	∞	73.65	32.70	21.02	12.26	7.98	5.45	4.27	3.13	2.58		
22	35.24	20.91	16.45	12.99	10.73	7.96	5.98	4.49	3.68	2.84	2.39		
	∞	∞	188.4	44.55	25.26	13.54	8.48	5.66	4.39	3.19	2.62		
32	25.03	16.90 ∞	13.89 ∞	11.36 92.02	9.61 3.55	7.35 15.91	5.64 9.31	4.31 5.99	3.57 4.57	2.77 3.28	2.35 2.67		
45	17.81	13.32	11.41	9.67	8.39	6.63	5.23	4.08	3.42	2.69	2.30		
	∞	∞	∞	∞	83.74	21.20	10.82	6.54	4.86	3.41	2.75		
64	12.70 ∞	10.29 ∞	9.13	8.00 ∞	7.13 ∞	5.84 40.55	4.74 14.09	3.79 7.54	3.23 5.36	2.58 3.62	2.23 2.87		

System Chart for Mamiya C330

