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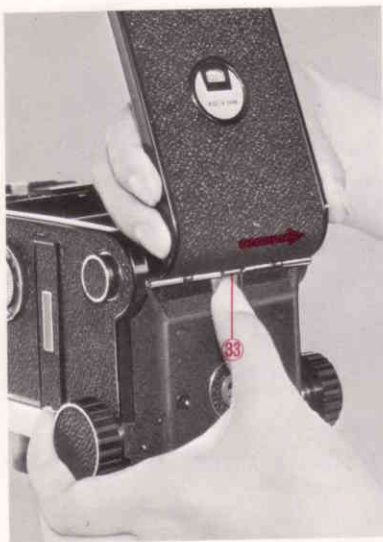
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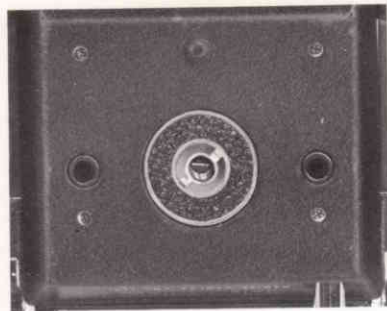
## ■ Changing the Back Cover



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.

## ■ Tripod Socket



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, 02, 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 counterclockwise 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 (\*)
  3. Lens hood 42mm  $\phi$  for 80mm f/2.8 (chrome type) and 105mm f/3.5 (chrome type) lenses
  4. Lens hood 48mm  $\phi$  for 80mm f/2.8 (black type) 105mm f/3.5 D and 135mm f/4.5 lenses
  5. 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.

### Lens cases

Seven types of hard leather cases are available for protecting the following interchangeable lenses: 55mm, 65mm, 80mm, 105mm, 135mm, 180mm, and 250mm.

### 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.

## ■ Accessories

### Single Exposure Attachment

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

### Installing Method

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, closing the outer frame of the back cover to complete preparation.

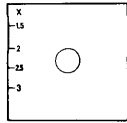
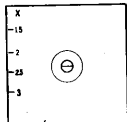
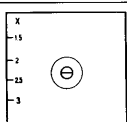
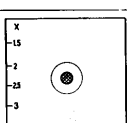
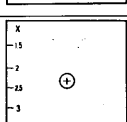
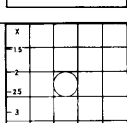
### PRECAUTION

Since the position of its focusing surface differs, the conventional single exposure attachment for the MAMIYA C series cannot be utilized on this camera.



## 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.

Designation	Features	Application
 <p>No. 1 Matte</p>	Matted entire surface; Fresnel lens (except center circular portion); with exposure factor scale.	For general photography Suitable for any lens
 <p>No. 2 Rangefinder Spot 4°</p>	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.
 <p>No. 3 Rangefinder Spot 6°</p>	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°
 <p>No. 4 Microprism</p>	Matted entire surface (except center micropirism 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.
 <p>No. 5 Cross Hair</p>	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.
 <p>No. 6 Checker</p>	Matted entire surface; with Fresnel lens (except center circular portion); with sectional scale, and exposure factor scale.	Sectional graduations are added to the No. 1 Matte. Convenient in arranging composition.

## Accessories

### 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.



### Grip holder (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.



### 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.



### Magnifying Hood

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



## 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.



## CdS Porrofinder

This is a Porrofinder with built-in 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.



## 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 photo-journal 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.



## 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

### 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.





## Magnifier

A very convenient accessory for accurate focusing, this magnifying glass, used by attaching it to the side plates of the focusing hood from above, magnifies the picture on the ground glass focusing screen 5.5 times. By turning the eye lens ring of the magnifier, visibility can be adjusted.



## 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.



## Focusing Knob Adapter

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



## Quick-shoe

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



## Accessories

### 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.



### 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.



### Compartment Case

This compartment case is partitioned to store your Mamiya C camera mounted on the grip holder, with an interchangeable lens (except 250mm lens) and various accessories. Spare lenses can be stored separately therein.

Inner dimension :

Length:	1' 1 $\frac{1}{8}$ " (34.5 cm)
Width:	7 $\frac{1}{2}$ " (18 cm)
Depth:	5 $\frac{1}{8}$ " (15 cm)
Height of top cover:	2 $\frac{3}{4}$ " (7 cm)



# ■ Lens Specifications Table

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

# ■ Angle of View Changes by Interchanging Lenses

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All these pictures were taken from the same position, at an identical distance from the subject.

55mm



65mm



80mm



105mm



135mm



180mm

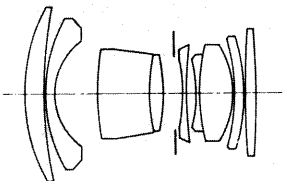


250mm



# ■ Depth of Field Table

## 55mm f/4.5

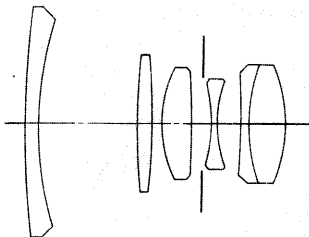


Aperture	Distance (in feet)										
	∞	30	15	7	5	3	2.5	2	1.5	1	9/2'
4.5	29' 1" ∞	14' 11" ∞	10' 30' 1'	5' 9" 9'	4' 4 1/4" 5' 11"	2' 9 3/4" 3' 3 3/4"	2' 4 3/8" 2' 8 3/8"	1' 10 1/8" 2' 1 1/8"	1' 5 3/8" 1' 6 1/2"	11 3/8" 1' 1 3/8"	9 3/8" 9 3/8"
5.6	23' 2" ∞	13' 3" ∞	9' 3" 40' 8"	5' 6" 9' 8 1/2"	4' 2 1/2" 6' 2"	2' 8 1/2" 3' 4 3/4"	2' 4 1/4" 2' 9 1/2"	1' 10 5/8" 2' 1 1/2"	1' 5 3/8" 1' 6 3/4"	11 1/8" 1' 1 3/8"	9 1/8" 9 1/8"
8	16' 5" ∞	10' 9" ∞	8' 145'	5' 1" 11' 7"	3' 11 1/2" 6' 10"	2' 7 1/2" 3' 6 1/4"	2' 3 3/8" 2' 10 3/8"	1' 10 1/8" 2' 2 1/2"	1' 5 3/8" 1' 7"	11 3/8" 1' 1 3/8"	9 3/8" 9 3/8"
11	11' 8" ∞	8' 6" ∞	6' 9" ∞	4' 6 1/2" 16' 1"	3' 7 3/4" 8' 2"	2' 5 1/2" 3' 9 1/2"	2' 2 1/4" 3' 3 3/4"	1' 9 3/8" 2' 3 3/4"	1' 4 3/8" 1' 7 1/2"	11 3/8" 1' 1 3/8"	9 3/8" 9 3/8"
16	8' 4" ∞	6' 8" ∞	5' 6" ∞	3' 11 1/4" 35' 10"	3' 3 1/2" 11' 1"	2' 4 1/4" 4' 3 3/4"	2' 7/8" 3' 4 1/4"	1' 8 3/8" 2' 5"	1' 4 3/8" 1' 8 3/4"	11 1/2" 1' 5/8"	9 3/8" 9 3/8"
22	5' 11 1/2" ∞	5' 1" ∞	4' 5" ∞	3' 4 3/4" ∞	2' 10 3/4" 23' 8"	2' 1 1/4" 5' 1"	1' 11 1/8" 3' 10 3/4"	1' 7 3/8" 2' 7 3/8"	1' 3 3/4" 1' 9 3/4"	11 3/8" 1' 7/8"	9 3/8" 9 3/8"

Aperture	Distance (in meter)											
	∞	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 11.11	2.28 4.42	1.66 2.52	1.31 1.76	1.00 1.23	0.75 0.86	0.57 0.63	0.48 0.52	0.391 0.410	0.296 0.304	0.249 0.251
5.6	7.07 ∞	2.98 16.28	2.15 5.04	1.59 2.70	1.27 1.85	0.98 1.26	0.74 0.88	0.57 0.64	0.48 0.52	0.389 0.412	0.296 0.305	0.248 0.252
8	5.02 ∞	2.56 ∞	1.93 7.04	1.47 3.17	1.19 2.05	0.93 1.35	0.71 0.91	0.56 0.65	0.47 0.53	0.384 0.418	0.294 0.307	0.248 0.253
11	3.57 ∞	2.13 ∞	1.68 16.81	1.33 4.21	1.10 2.42	0.88 1.49	0.68 0.97	0.54 0.68	0.46 0.55	0.378 0.425	0.291 0.309	0.247 0.254
16	2.55 ∞	1.73 ∞	1.43 ∞	1.17 7.97	0.99 3.27	0.81 1.76	0.65 1.07	0.52 0.72	0.45 0.57	0.370 0.437	0.288 0.314	0.245 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

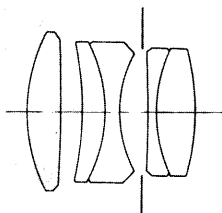
## 65mm f/3.5



Aperture	Distance (in feet)										
	∞	30	15	7	5	3	2	1.75	1.5	1.25	1
3.5	50' 2 3/4" ∞	18' 11 1/4" 73' 1 1/4"	11' 8" 21' 1"	6' 2 1/2" 8' 3/4"	4' 7 1/4" 5' 5 3/4"	2' 10 1/2" 3' 1 1/4"	1' 11 1/4" 2' 1/2"	1' 8 3/4" 1' 9 3/4"	1' 5 1/4" 1' 6 3/4"	1' 2 1/4" 1' 3 3/4"	11 3/8" 1' 3/8"
4	43' 11 1/2" ∞	17' 11 3/4" 92' 1 1/4"	11' 3 3/4" 22' 4 1/2"	6' 1 1/2" 8' 2 3/4"	4' 6 1/2" 5' 6 3/4"	2' 10 1/4" 3' 2"	1' 11 1/4" 2' 3/4"	1' 8 1/4" 1' 9 3/4"	1' 5 1/4" 1' 6 3/4"	1' 2 1/4" 1' 3 3/4"	11 3/8" 1' 3/8"
5.6	31' 5 1/2" ∞	15' 6 3/4" 155' 9"	10' 3 3/4" 27' 11"	5' 9 3/4" 8' 9 3/4"	4' 4 3/4" 5' 9 3/4"	2' 9 3/4" 3' 3"	1' 11" 2' 1"	1' 8 3/4" 1' 9 3/4"	1' 5 1/4" 1' 6 3/4"	1' 2 1/4" 1' 3 3/4"	11 3/8" 1' 3/8"
8	22' 1" ∞	12' 10 1/2" ∞	9' 1" 44' 5 1/4"	5' 5 1/4" 9' 11"	4' 2" 6' 3"	2' 8 1/2" 3' 4 1/2"	1' 10 1/2" 2' 1 1/2"	1' 8" 1' 10 1/2"	1' 5 1/4" 1' 6 3/4"	1' 2 1/4" 1' 3 3/4"	11 3/8" 1' 3/8"
11	16' 1 1/2" ∞	10' 7 1/2" ∞	7' 11 1/4" 175' 8"	5' 3/4" 11' 9 3/4"	3' 11 1/4" 6' 11"	2' 7 1/2" 3' 6 1/4"	1' 10 1/4" 2' 2 1/2"	1' 7 3/4" 1' 10 1/2"	1' 5 1/4" 1' 7 3/4"	1' 2 1/4" 1' 3 3/4"	11 3/8" 1' 1/4"
16	11' 1 3/4" ∞	8' 3" ∞	6' 6 3/4" ∞	4' 5 1/2" 17' 2 1/4"	3' 7 1/4" 8' 5"	2' 5 3/4" 3' 10 1/4"	1' 9 3/4" 2' 3 1/4"	1' 7 3/4" 1' 11 1/4"	1' 4 3/4" 1' 7 3/4"	1' 2 1/4" 1' 3 3/4"	11 3/8" 1' 3/8"
22	8' 2" ∞	6' 6 3/4" ∞	5' 5 1/4" ∞	3' 11 1/4" 39' 3/4"	3' 3" 11' 5"	2' 4" 4' 3 3/4"	1' 8 3/4" 2' 5"	1' 6 3/4" 2' 5/8"	1' 4 3/4" 1' 8 3/4"	1' 1 3/8" 1' 4 3/4"	11 3/8" 1' 1/8"
32	5' 8 3/4" ∞	4' 10 1/4" ∞	4' 3" ∞	3' 3 3/4" ∞	2' 10" 29' 3/4"	2' 1 1/2" 5' 5 1/4"	1' 7 1/4" 2' 8 1/4"	1' 5 1/4" 2' 2 1/2"	1' 3 3/4" 1' 9 3/4"	1' 1 3/8" 1' 4 3/4"	11 3/8" 1' 3/8"

Aperture	Distance (in meter)											
	∞	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	0.77 0.83	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	0.478 0.524	0.388 0.413	0.296 0.304
11	4.91 ∞	2.53 7.25	1.91 3.21	1.46 3.21	1.00 1.52	0.86 1.20	0.71 0.92	0.59 0.72	0.554 0.655	0.471 0.534	0.384 0.418	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	0.76 1.52	0.64 1.07	0.55 0.80	0.516 0.723	0.446 0.573	0.370 0.437	0.289 0.313
32	1.73 ∞	1.32 ∞	1.14 ∞	0.98 ∞	0.76 3.21	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

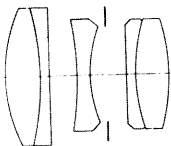


Aperture	Distance (in feet)								
	∞	30	15	10	7	5	4	3	1.5
2.8	102' 7" ∞	23 4¼" 42' ¼"	13' 2" 17' 5"	9' 2" 11'	6' 7¼" 7' 5½"	4' 9¼" 5' 2½"	3' 10½" 4' 1½"	2' 11¼" 3' ¾"	1' 5½" 1' 6¼"
4	71' 10½" ∞	21' 4" 50' 9¼"	12' 6¼" 18' 8¾"	8' 10½" 11' 5¾"	6' 5¼" 7' 8"	4' 8¾" 5' 3¾"	3' 10" 4' 2¼"	2' 11" 3' 1¼"	1' 5½" 1' 6½"
5.6	51' 5" ∞	19' 1½" 70' 4"	11' 9" 20' 9½"	8' 5¼" 12' 2½"	6' 3" 7' 11¾"	4' 7½" 5' 5½"	3' 9¼" 4' 3¾"	2' 10½" 3' 1½"	1' 5½" 1' 6¼"
8	36' ¾" ∞	16' 7" 167' 5¼"	10' 9¼" 24' 11½"	7' 11½" 13' 5¼"	5' 11¾" 8' 5¼"	4' 5¾" 5' 8"	3' 8" 4' 4¾"	2' 10" 3' 2¼"	1' 5¾" 1' 6½"
11	26' 3½" ∞	14' 2½" ∞	9' 8¾" 33' 3¾"	7' 5" 15' 6½"	5' 8" 9' 2½"	4' 3¾" 5' 11¾"	3' 6¾" 4' 6¾"	2' 9¼" 3' 3¾"	1' 5¾" 1' 6½"
16	18' 1¾" ∞	11' 6" ∞	8' 5" 76' 3¼"	6' 7½" 20' 10¼"	5' 2½" 10' 9½"	4' ¾" 6' 6¾"	3' 4¾" 4' 10½"	2' 8" 3' 5"	1' 5¾" 1' 6½"
22	13' 3¾" ∞	9' 4½" ∞	7' 3" ∞	5' 10¾" 35' 8"	4' 9¼" 13' 7"	3' 9½" 7' 5¼"	3' 2¾" 5' 4"	2' 7" 3' 7½"	1' 5¾" 1' 7"
32	9' 2¼" ∞	7' 2¼" ∞	5' 10¾" ∞	5' ∞	4' 2¼" 24' 2¾"	3' 5¼" 9' 7¾"	2' 11½" 6' 3¾"	2' 5" 4'	1' 4¾" 1' 7½"

Aperture	Distance (in meter)								
	∞	10	5	3	2	1.5	1.2	1	0.45
2.8	31.27 ∞	7.62 14.57	4.34 5.90	2.76 3.29	1.89 2.12	1.44 1.56	1.16 1.24	0.98 1.02	0.447 0.453
4	21.91 ∞	6.92 18.13	4.11 6.40	2.66 3.44	1.85 2.18	1.42 1.59	1.15 1.26	0.97 1.04	0.446 0.454
5.6	15.67 ∞	6.16 26.92	3.84 7.21	2.55 3.65	1.80 2.26	1.39 1.63	1.13 1.28	0.95 1.05	0.444 0.456
8	10.99 ∞	5.30 99.80	3.49 8.91	2.40 4.02	1.72 2.39	1.35 1.70	1.10 1.32	0.94 1.07	0.442 0.458
11	8.01 ∞	4.51 ∞	3.14 12.65	2.23 4.62	1.64 2.57	1.30 1.78	1.07 1.37	0.91 1.11	0.439 0.462
16	5.53 ∞	3.62 ∞	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 ∞	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 5.90	1.04 2.84	0.89 1.87	0.79 1.40	0.420 0.486

# Depth of Field Table

## 105mm f/3.5 D

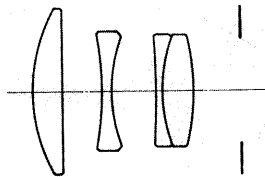


Aperture	Distance (in feet)								
	∞	30	15	10	7	5	4.5	4	3
3.5	131' 5¼"	24' 7"	13' 6¾"	9' 4¼"	6' 8¾"	4' 10¼"	4' 4¼"	3' 11"	2' 11½"
	∞	38' 6½"	16' 9½"	10' 8¾"	7' 4"	5' 2"	4' 7½"	4' 1"	3' ¾"
4	115' ½"	23' 11½"	13' 4½"	9' 3¼"	6' 7¾"	4' 10"	4' 4¼"	3' 10¾"	2' 11½"
	∞	40' 2"	17' 1"	10' 10¼"	7' 4½"	5' 2¼"	4' 7¾"	4' 1¼"	3' ¾"
5.6	82' 3¼"	22' 2¼"	12' 9¾"	9' ¼"	6' 6¾"	4' 9¼"	4' 3¾"	3' 10¼"	2' 11½"
	∞	46' 6¾"	18' 1¼"	11' 2¾"	7' 6¾"	5' 3"	4' 8½"	4' 1¾"	3' ¾"
8	57' 8¾"	19' 11¾"	12' 1"	8' 7¾"	6' 4"	4' 8¾"	4' 3"	3' 9¾"	2' 10¾"
	∞	60' 11¾"	19' 10½"	11' 10½"	7' 9¾"	5' 4½"	4' 9¾"	4' 2¾"	3' 1½"
11	42' ½"	17' 9¾"	11' 3"	8' 3"	6' 1½"	4' 6¾"	4' 2"	3' 8¾"	2' 10¾"
	∞	100' ½"	22' 7¾"	12' 9¾"	8' 2¼"	5' 6¾"	4' 11"	4' 3¾"	3' 1½"
16	28' 11½"	15"	10' 1½"	7' 7¾"	5' 9¾"	4' 4¾"	4' ¼"	3' 7¾"	2' 9¾"
	∞	∞	29' 7"	14' 7½"	8' 10½"	5' 9¾"	5' 1½"	4' 5½"	3' 2¼"
22	21' 2¼"	12' 8"	9' ½"	7' ¾"	5' 5½"	4' 2¾"	3' 10½"	3' 6"	2' 8¾"
	∞	∞	38' 6½"	17' 9"	9' 10½"	6' 2¼"	5' 5"	4' 8"	3' 3¾"
32	14' 8"	10' 1"	7' 8¾"	6' 2½"	4' 11¾"	3' 11¾"	3' 7¾"	3' 4"	2' 7¾"
	∞	∞	5180' 3¼"	27' 9¾"	12' 2¼"	6' 11¾"	5' 11¾"	4' ¾"	3' 5¾"

Aperture	Distance (in meter)									
	∞	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



# 135mm f/4.5

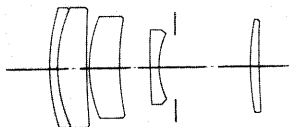


Aperture	Distance (in feet)								
	∞	30	15	10	7	6	4	3.5	3
4.5	159' 3½" ∞	25' 4¾" 36' 8"	13' 9½" 16' 5¾"	9' 5¾" 10' 7"	6' 9" 7' 3¾"	5' 10" 6' 2¾"	3' 11¼" 4' ¾"	3' 5¾" 3' 6½"	2' 11¼" 3' ½"
5.6	128' ¾" ∞	24' 5¾" 38' 9¾"	13' 6½" 16' 10"	9' 4¼" 10' 9"	6' 8¼" 7' 4"	5' 9½" 6' 2¾"	3' 11" 4' 1"	3' 5¼" 3' 6¾"	2' 11½" 3' ½"
8	89' 8¾" ∞	22' 8½" 44' 4¼"	13' 17' 9"	9' 1¼" 11' 1¼"	6' 7" 7' 5¾"	5' 8¾" 6' 4"	3' 10½" 4' 1½"	3' 5" 3' 7"	2' 11¼" 3' ¾"
11	65' 4" ∞	20' 9¾" 54' 1¼"	12' 4½" 19' 1"	8' 9¾" 11' 9"	6' 5¼" 7' 8¼"	5' 7" 6' 5¼"	3' 10" 4' 2¼"	3' 4¾" 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' 9¼" 4' 3¼"	3' 4" 3' 8¼"	2' 10¾" 3' 1½"
22	32' 10" ∞	15' 11¾" 286' 2¾"	10' 6¾" 26' 3½"	7' 10½" 13' 9¼"	5' 11¼" 8' 6½"	5' 2¾" 7' ¾"	3' 8¼" 4' 4¾"	3' 3¼" 3' 9¼"	2' 10¼" 3' 2"
32	22' 8" ∞	13' 2¼" ∞	9' 3¾" 40' 2¾"	7' 2¼" 16' 8"	5' 6¾" 9' 6"	4' 11¼" 7' 8"	3' 6¾" 4' 7"	3' 2¼" 3' 10¾"	2' 9¼" 3' 3¾"
45	16' 2½" ∞	10' 9½" ∞	8' 1" 132' 8"	6' 5¾" 23' ½"	5' 1¼" 11' 2"	4' 7¾" 8' 8¼"	3' 5" 4' 10½"	3' ¾" 4' 3¾"	2' 8¾" 3' 4¾"

Aperture	Distance (in meter)								
	∞	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 ∞	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

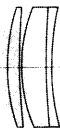
**Super  
180mm f/4.5**



Aperture	Distance (in feet)										
	∞	60	30	15	12	10	8	7	6	5	4.5
4.5	299'	50' 2"	27' 4 1/2"	14' 4 1/4"	11' 7"	9' 8 3/4"	7' 10"	6' 10 1/2"	5' 11"	4' 11 1/4"	4' 5 1/2"
	∞	74' 8"	33' 2 1/4"	15' 8 1/2"	12' 5 1/4"	10' 3 3/4"	8' 2 1/4"	7' 1 1/2"	6' 1"	5' 3/4"	4' 6 1/2"
5.6	240'	48' 3"	26' 9 3/4"	14' 2 1/2"	11' 6"	9' 8"	7' 9 1/2"	6' 10"	5' 10 3/4"	4' 11 1/4"	4' 5 1/4"
	∞	79' 5"	34' 3/4"	15' 10 3/4"	12' 6 1/2"	10' 4 1/2"	8' 2 3/4"	7' 2"	6' 1 1/4"	5' 1"	4' 6 3/4"
8	168'	44' 6"	25' 7 3/4"	13' 10 1/2"	11' 3 1/2"	9' 6 1/4"	7' 8 1/2"	6' 9 1/4"	5' 10 1/4"	4' 10 3/4"	4' 5"
	∞	92' 3"	36' 2"	16' 3 3/4"	12' 9 3/4"	10' 6 1/2"	8' 3 3/4"	7' 2 3/4"	6' 2"	5' 1 1/4"	4' 7"
11	122'	40' 7"	24' 4"	13' 6"	11' 1/2"	9' 4 1/4"	7' 7 1/4"	6' 1/2"	5' 9 1/2"	4' 10 1/4"	4' 4 3/4"
	∞	115' 7"	39' 2 1/4"	16' 10 1/2"	13' 1 1/2"	10' 9"	8' 5 1/2"	7' 4"	6' 2 3/4"	5' 1 3/4"	4' 7 3/4"
16	84' 2"	35' 5"	22' 4 3/4"	12' 11"	10' 8"	9' 1"	7' 5"	6' 6 3/4"	5' 8 3/4"	4' 9 3/4"	4' 4 1/4"
	∞	200'	45' 6 1/2"	17' 10 3/4"	13' 8 3/4"	11' 1 1/2"	8' 8"	7' 6"	6' 4"	5' 2 1/2"	4' 8 3/4"
22	61' 3"	30' 8"	20' 5 1/2"	12' 3 3/4"	10' 3"	8' 9 3/4"	7' 2 3/4"	6' 5"	5' 7"	4' 8 3/4"	4' 3 1/2"
	∞	166 4/5	56' 7"	19' 3 3/4"	14' 6 3/4"	11' 7 1/2"	8' 11 1/2"	7' 8 3/4"	6' 5 3/4"	5' 3 1/2"	4' 8 3/4"
32	42' 3"	25' 2"	17' 10 3/4"	11' 4 1/4"	9' 7 3/4"	8' 3 3/4"	6' 11 1/4"	6' 2 3/4"	5' 5"	4' 7 1/2"	4' 2 1/2"
	∞	∞	95' 2"	22' 2 1/2"	16' 1/2"	12' 6 3/4"	9' 5 3/4"	8' 3/4"	6' 8 3/4"	5' 5 1/2"	4' 10"
45	30' 1"	20' 4"	15' 4 3/4"	10' 4 1/4"	8' 10 3/4"	7' 9 1/2"	6' 7"	5' 11"	5' 2 3/4"	4' 5 3/4"	4' 1 1/4"
	∞	∞	87 4/5	27' 8"	18' 7 1/2"	14' 1/2"	10' 3"	8' 7 3/4"	7' 3/4"	5' 8"	5"

Aperture	Distance (in meter)											
	∞	20	10	7	5	4	3	2.5	2	1.7	1.5	1.3
4.5	91.00	16.46	9.05	6.53	4.76	3.85	2.92	2.45	1.97	1.68	1.48	1.29
	∞	25.49	11.18	7.94	5.26	4.16	3.09	2.56	2.03	1.72	1.52	1.31
5.6	73.14	15.78	8.84	6.42	4.71	3.81	2.90	2.43	1.96 1/2	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	7.96	5.95	4.46	3.65	2.81	2.37	1.92	1.65	1.46	1.27
	∞	42.28	13.34	8.50	5.70	4.42	3.22	2.65	2.09	1.76	1.54	1.33
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	9.77	6.62	5.18	4.02	3.36	2.64	2.25	1.85	1.59	1.42	1.25
	∞	20.67	10.84	6.63	4.95	3.48	3.48	2.81	2.18	1.82	1.59	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

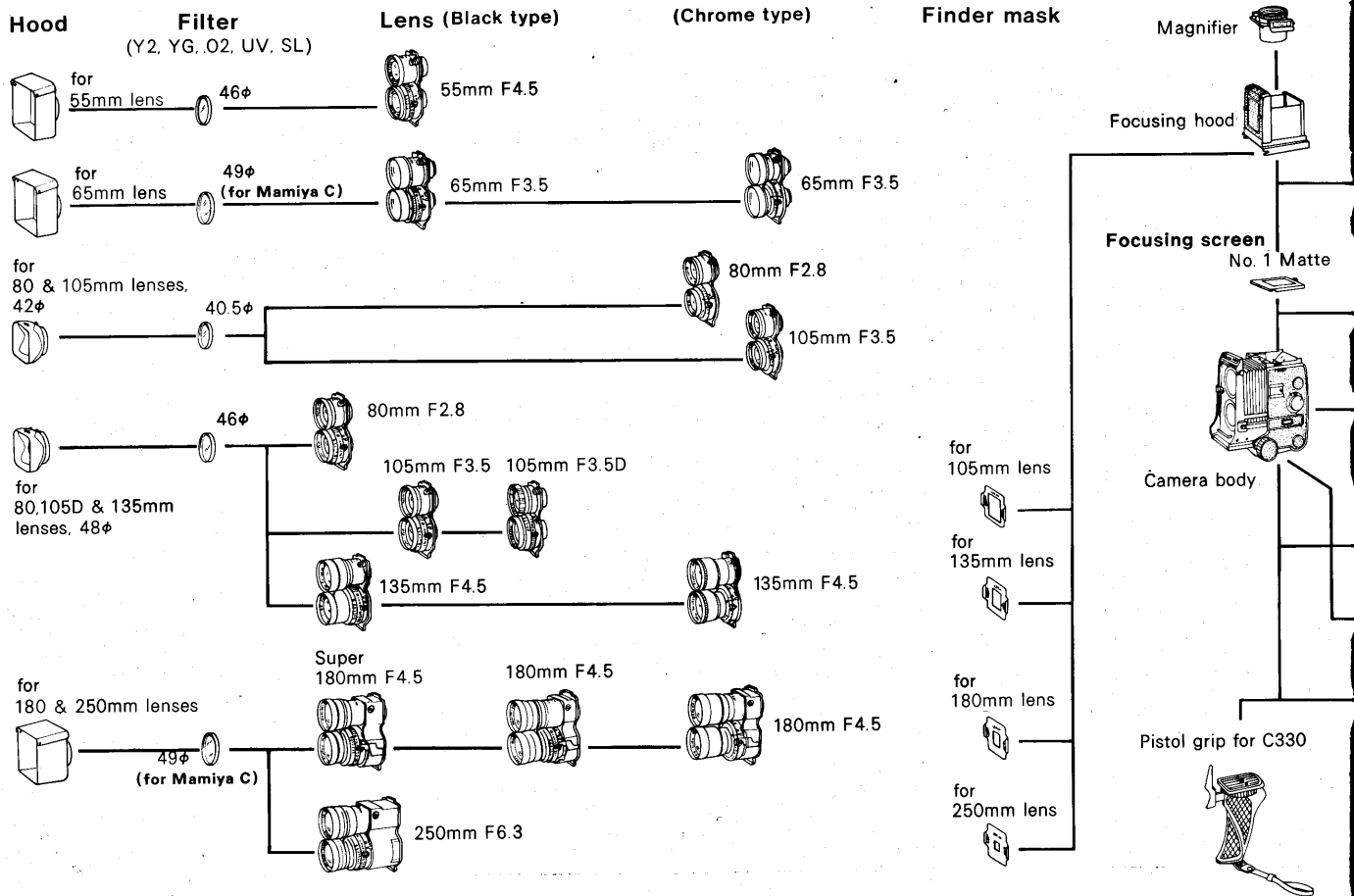
# 250mm f/6.3



Aperture	Distance (in feet)										
	∞	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' 513'	77' 143'	43' 8" 58' 6"	27' 8" 32' 8"	19' 21' 1"	14' 5" 15' 7"	11' 8" 12' 4"	9' 9½" 10' 2"	7' 10½" 8' 1½"	6' 11" 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" 252'	38' 10" 70' 6"	25' 9" 36'	18' 1" 22' 4"	14' 16' 2"	11' 3" 12' 8"	9' 7" 10' 5"	7' 9" 8' 3"	6' 10" 7' 2"
22	116' ∞	74' ∞	54' 5" 688'	35' 7" 85' 2"	24' 4" 39' 3"	17' 5" 23' 6"	13' 7" 16' 9"	11' 2" 13'	9' 5" 10' 8"	7' 8" 8' 4½"	6' 9" 7' 2½"
32	82' 1" ∞	58' 10" ∞	45' 11" ∞	31' 10" 121'	22' 7" 45' 2"	16' 7" 25' 4"	13' 1" 17' 7"	10' 10" 13' 7"	9' 2½" 10' 11"	7' 6½" 8' 6"	6' 8" 7' 4"
45	58' 5" ∞	45' 9" ∞	37' 7" ∞	27' 9" 303'	20' 6" 57' 6"	15' 6" 28' 7"	12' 5" 19'	10' 5" 14' 3"	8' 11½" 11' 4"	7' 4½" 8' 9"	6' 6½" 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"

Aperture	Distance (in meter)										
	∞	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	2.47 2.53
8	99.02 ∞	33.44 99.75	23.20 42.57	16.78 24.80	13.14 17.50	9.16 11.01	6.60 7.46	4.80 5.21	3.88 4.13	2.94 3.06	2.46 2.54
11	70.12 ∞	29.43 170.3	21.22 51.56	15.73 27.55	12.50 18.80	8.86 11.49	6.45 7.67	4.73 5.31	3.83 4.18	2.92 3.09	2.45 2.56
16	49.69 ∞	25.17 ∞	18.94 73.65	14.46 32.70	11.70 21.02	8.46 12.26	6.24 7.98	4.62 5.45	3.77 4.27	2.88 3.13	2.42 2.58
22	35.24 ∞	20.91 ∞	16.45 188.4	12.99 44.55	10.73 25.26	7.96 13.54	5.98 8.48	4.49 5.66	3.68 4.39	2.84 3.19	2.39 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 83.74	6.63 21.20	5.23 10.82	4.08 6.54	3.42 4.86	2.69 3.41	2.30 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



Magnifying hood



Porrofinder



CdS porrofinder



Prism finder



No. 2 Rangefinder spot 4



No. 3 Rangefinder spot 6



No. 4 Microprism



No. 5 Cross hair



No. 6 Checker



Back cover (standard)



Single exposure back



Cut film/plate holder model 2



Film sheath type J (for one-quarter size of 4 3/4 x 6 1/2 in. film)



Film sheath type D (for 2 1/2 x 3 1/2 in. 6.5 x 9cm cut film)



Tripod adapter type P



Quick-shoe



Focusing knob adapter



Grip holder for C330 and RB



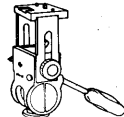
Grip holder



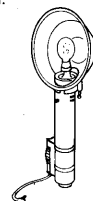
Paramender Model 2



Paramender model 3 with pan head



Flashgun Adapter



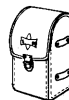
Flashgun

Strap

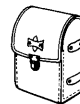


### Case

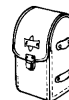
Lens case for 55mm Lens



for 65mm lens



for 80mm lens



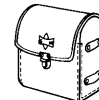
for 105mm lens



for 135mm lens



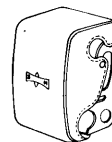
for 180mm lens



for 250mm lens



Camera leather case



Soft leather case



Compartment case (for Mamiya C)

