

The Lens-Drum

Drum Columns		f. mm	56	8	11	16	22						
Distance and Focal length	0,5m	35	5,8	46	55	45	57	45	56	43	60	40	66
		100	31	50	50	49	51	49	51	49	51	48	52
	1,3m	35	14	1,0	1,7	1,0	1,9	89	2,4	78	3,9	68	16
		100	2,2	1,3	1,3	1,2	1,3	1,3	1,4	1,2	1,4	1,2	1,5
	1,7m	35	10,6	1,3	2,6	1,2	3,2	1,1	4,6	92	19	78	∞
		100	33	1,7	1,8	1,7	1,8	1,6	1,9	1,6	2,0	1,5	2,0
	3,0m	35	6	2,8	3,1	1,7	1,4	1,4	∞	1,2	∞	95	∞
		100	20,6	2,8	3,2	2,7	3,3	2,7	3,4	2,5	3,7	2,4	4,0
	8,0m	35	2,2	3,2	∞	2,6	∞	2,0	∞	1,5	∞	1,2	∞
		100	20	6,8	9,7	6,4	11	5,9	12	5,3	16	1,3	∞
	∞	35	0,0	5,4	∞	3,8	∞	2,7	∞	1,9	∞	1,4	∞
		100	0,0	4,4	∞	3,1	∞	2,2	∞	1,5	∞	1,1	∞

Drum column description:

“f.” shows the used focal length at different distances (35 und 100mm).

The index informs about the required number to adjust on the helical focus mount at a given distance (0 bis 34,2). The colour of the index number informs about the position of the helical focus mount. For the first 360° you can see a white line underneath the zero position of the helical focus mount. The next 360° use the colour red, followed by green, blue and yellow. Each colour represents 360°. The square dots underneath the number specifies the required extension-tubes for close-ups.

“5.6, 8, 11, 16, 22” columns inform about the depth of field at the given F-Stop.

Example:

With a 35mm lens and a distance of 1.7 Meter to the object, the helical Focus mount must be adjusted at 10.6 If the lens is stopped down to 8 you get a Depth of Field of 1.2 to 3.2 Meter.

Each of the horizontal and vertical holes in the mask represent 5mm displacement. If the four single holes in the mask can be seen in the corners of the Vario Finder the mask is centered. If you move the mask upwards until you see two holes at the upper two corners, a vertical displacement of 5mm downwards on the front is required to get the chosen framing. Above rule applies to all movements.





➤ The Vario Finder has two dovetails and can be turned 90° if required (vertical). Depending on the used back or lens, the Vario Finder can be also turned by 180°. (Pull the Vario Finder up and turn the unit.) Adjust the direction of the Vario Finder through the dovetail.

➤ Self-locking catch: turn counter-clockwise to open Push back onto Rm3D to lock automatically.

➤ Locking lever for the manual lateral or vertical shift. +10mm (up to loosen, down to lock).

➤ Locking mechanism for the attachment-plate, Variofinder and/or monorail (if used up-side-down).



➤ Zero position for the calibrated, high precision helical Focus Mount. (full range = 1710°)

➤ Geared self-locking vertical or lateral movement. (22/5mm)

➤ Self-locking tilt or swing adjustment with zero-detend. +5°.

➤ Attachment device with hole to insert magnetic cable release. (Reverse with Vario Finder for "up-side-down configuration")

The Vario Finder

Digital	Film				
		37x37	10	11	12
		33x44	7	8	9
		44x33	4	5	6
		36x48	1	2	3
		4x5"	© ARCA-SWISS®		
		6x12		Q	R
		6x9	M	N	O
		6x7	J	K	L
		6x6	G	H	I
		6x4.5	D	E	F
		24x36	A	B	C

On the moving rectangular tube of the Vario Finder you find in the first vertical column the usable formats depending on the back. (digital and analogue)

The horizontal line of the Format informs about the required mask for the three different focal length ranges.

f			
47	45	100	210
38		90	180
35		80	150
47	45	75	135
38	28	70	120
35	24	65	110
35	24	58	105
35	24	55	100

the non moving part of the Vario Finder has three vertical columns for focal lengths from 24 to 210mm
1st. column: 24-47mm,
2nd column: 55-105mm,
3rd. column: 110-210mm,
(see 2nd Illustration)

Digital	Film	37x37	10	11	12
		33x44	7	8	9
		44x33	4	5	6
		36x48	1	2	3
		4x5"	© ARCA-SWISS®		
		6x12		Q	R
		6x9	M	N	O
		6x7	J	K	L
		6x6	G	H	I
		6x4.5	D	E	F
		24x36	A	B	C

On the right side of the Vario Finder you will find a grey thumb screw which allows to lock or unlock the moving rectangular tube. If the knob is loose you can adjust the viewing angle of the Vario Finder according the used focal length of the lens and its mask. There are for each format three masks to cover the entire focal length range from 24-210mm.

Example:
If a 35mm digital lens is used in conjunction with 36x48mm back, the moving rectangular tube has to be set on the white line of the white printed number 35. The required mask is number 1.

Note: red numbers and letters are ONLY for analogue formats respectively lenses. (MJGD and 47, 45, 38, 35)