

Kodak

For Kodak RETINA Cameras

Setting Tables for Kodak Close-up Lenses R1:4.5, R1:3 and R1:2

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The **R Close-up Lenses** extend the scope of the RETINA to the close range from 11 in. down to 6 in. (related to the film plane). They are used in connection with the Close-up Attachment on the RETINA I B, II C, III C, II S, automatic II (with adapter) and III S. For the RETINA REFLEX and REFLEX S, however, the Close-up Attachment is not absolutely required.

The R Close-up Lenses, which can be used singly or in combination, permit picture-taking on scales of 1:4.5, 1:3, 1:2 and even 1:1.5. (Scales for the II S are 1:4.5, 1:3 and 1:2.) For the picture scale of 1:1.5, the R 1:2 and R 1:4.5 lenses are screwed together, the R 1:2 lens next to the camera lens. For exposures with the R 1:4.5 and R 1:3 close-up lenses stop down the lens aperture to at least 8 and to not less than 11 for the R 1:2 and the combined 1:2/R 1:4.5 lenses. The exposure time need not be extended.

Column I identifies the gauge rods. **Column II** indicates the R close-up lens to be used with each gauge rod. In **column III** is listed the subject size for the various RETINA models. **Column IV** is primarily meant for those photographing without gauge rods. In **column V** the depth of field for the various diaphragm stops is shown.

Table for Kodak R-Close-up Lenses

I	II	III			IV	V			
		Close-up Lens	Subject Size in Inches Retina I B, III S, Reflex S	Retina II C III C, Reflex Ret. autom. II		Subject Dist. in Inches*	Depth of Field in Inches**		
4.5	R 1:4.5	$3^{15}/_{16} \times 5^{29}/_{32}$	$4^7/_{32} \times 6^{19}/_{64}$	$4^{21}/_{64} \times 6^{11}/_{2}$	$1^{17}/_{32}$	f/8	f/11	f/16	f/22
3	R 1:3	$2^3/_{4} \times 4^9/_{64}$	$3 \times 4^3/_{32}$	$3^5/_{64} \times 4^{39}/_{64}$	$8^{31}/_{32}$	$5/_{16}$	$7/_{16}$	$5/_{8}$	$5^5/_{64}$
2	R 1:2	$2^1/_{64} \times 3$	$2^1/_{8} \times 3^3/_{16}$	$2^1/_{2} \times 3^{11}/_{32}$	$7^1/_{4}$		$1^4/_{64}$	$5/_{16}$	$7/_{16}$
1.5	R 1:2 and R 1:4.5	$1^{19}/_{64} \times 1^{31}/_{32}$	$1^{27}/_{64} \times 2^1/_{8}$	not suitable for Retina II S and autom. II	$5^{15}/_{16}$		$6/_{64}$	$5/_{32}$	$1^3/_{64}$

Camera setting is ∞ (infinity). * from subject to film plane. Circle of confusion 0.002 inch.

** The depths of field indicated are divided $1/2$ each in front and behind the setting plane (setting plane in subject distance).