

MAKRO-SYMMAR HM

Razor-sharp at 1:1

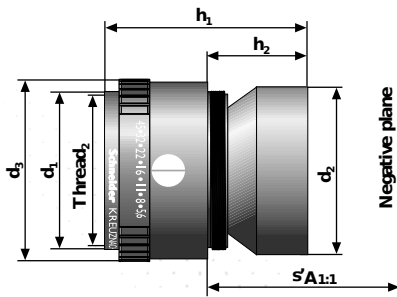
The MACRO-SYMMAR HM, a symmetric eight-element four-lens design that is free of lateral chromatic aberration and distortion; the resolution is only limited to diffraction which is caused by using too small an aperture. The MACRO-SYMMAR HM is a very special lens which excels in the magnification range from 4:1 to 1:4. Within this magnification range there isn't another lens that can solve your problem as well as the MACRO-SYMMAR HM. This lens is suitable for the duplication of slides or negatives, as well as for macro-photography in the magnification range referred to above. It can be supplied

shutter mounted (additional technical data is available in the „MACRO-SYMMAR HM“ brochure) or in a standard mechanical barrel. Due to the unique characteristics of this lens design, the MACRO-SYMMAR HM may be used on 35mm cameras and medium format cameras with the appropriate bellows system.

This lens has proven itself under some of the most difficult and demanding circumstances. A prime example would be when photographing jewelry and, more specifically, diamonds. Additional technical specifications may be found at the end of the brochure.



MAKRO-SYMMAR HM 5.6/120
iris mount B-0



Relative aperture	Focal length in mm	Recommended negative size	Screw on thread	Mounting thread	Front mount diameter	Rear mount diameter	Iris mount diameter	Diameter light guide	Overall length	Seating face to edge of rear mount	Seating face to light guide	Smallest aperture	Flange focal distance	Iris mount	Weight in grams	Order number
			Thread ₁	Thread ₂	d ₁	d ₂	d ₃	d ₄	h ₁	h ₂	h ₃		sA _{1:1}			
1:5.6	80	90x120	M32.5 x 0.5	M40.5 x 0.5	42.0	34.6	52.0	-	47.9	20.0	-	32	156.6	B-0*	150	25629
1:5.6	120	130x180	M32.5 x 0.5	M40.5 x 0.5	42.0	37.5	52.0	-	55.1	23.6	-	45	233.0	B-0*	190	39902
1:5.6	180	180x240	M39.0 x 0.75	M58.0 x 0.75	60.0	57.0	61.0	-	80.4	35.6	-	45	348.6	B-1*	434	39907

* also available in shutters