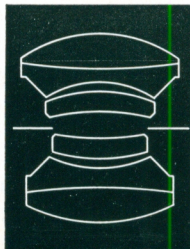


JOS. SCHNEIDER & CO. OPTISCHE WERKE — 6550 BAD KREUZNACH — POSTFACH 947

COMPONON-S

# SCHNEIDER



# SCHNEIDER COMPONON-S

High-quality products call for frequent improvement to adapt them to the changing state of the art. This is particularly true for enlarging lenses because these should always be ahead of their time in order to have a safe margin to allow for possible improvements in the quality of photographic materials. In order to preserve this lead, our enlarging lenses have therefore been recomputed with due allowance made for latest advances in ray-tracing techniques and new optical glass types. The result is an improved SCHNEIDER enlarging lens called

## COMPONON-S

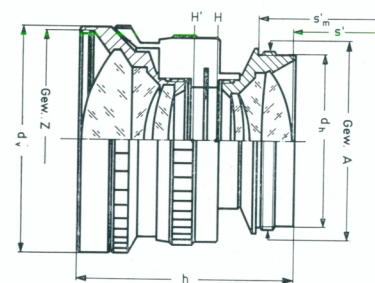
Although the lenses of the COMPONON-S series are of the same six-element construction as the earlier series (see illustration), their correction is considerably more balanced. Above all, their resolving power, contrast rendition and field flatness have been improved. As a result, the series of COMPONON-S lenses offer an absolute optimum of performance by present standards.

The following summary contains information on the optical constants and mechanical dimensions as well as screw threads of the lenses. The focal-length increments are the same as in the earlier lens series. Only metric screw threads will henceforth be used. With the exception of the 100 mm f5.6 CPN-S, whose screw thread is on the aperture body, the screw threads of all other lenses of the COMPONON-S series are attached to the rear lens mount. This allows the lenses to be mounted without being disassembled. Shifting of the

screw thread from the aperture body to the rear lens mount has resulted in a slight reduction in the flange focal distance of the longer focal-length lenses.

Aperture scales are linear. Click stops are provided at full and half f-stops. The optimum f-stop is about two f-numbers below full aperture. For minimum apertures, see the accompanying table.

The lenses of the COMPONON-S series have been corrected for 6x magnification. However, the variation of lens performance with changing magnification has been kept so low that excellent results are obtained from 3x right up to the highest magnification.



Relative aperture	Focal length in mm		Recommended for format / size cm / inch	Locating dimension for $\infty$ $s'_m$ mm	Distance of nodal points $HH'$ mm	Backfocus $s'$ mm	Normal-Mount	min.-stop mech.	Screw-in thread	Pitch circle diameter of flange ring mm	Biggest mount. diameter mm	screw-in Thread for Accessories Thread Z	Height h mm
	engraved	actual ( $\pm 1 \phi$ )											
5,6	100	102,2	5,6x7,2 6,5x9	97	— 2,4	84,8	0	45	M 32,5x0,5	43	50	M 40,5x0,5	39
5,6	135	135,6	9x12	119	— 3,0	112,6	0	45	M 42x0,75	50	54	M 49x0,75	51
5,6	150	150,5	9x12 (4x5)	134	— 3,3	125,3	0	45	M 42x0,75	50	54	M 52x0,75	53
5,6	180	180,2	13x18 (5x7)	158	— 3,9	149,9	1	45	M 50x0,75	58	65	M 62x0,75	64
5,6	210	210,2	13x18 (5x7)	184	— 4,4	175,2	1	45	M 55x0,75	64,5	75	M 72x0,75	74
5,6	240	241,1	18x24	210	— 5,2	201,0	3	45	M 66x0,75	76	85	M 82x0,75	85
5,6	300	294,1	24x30 (8x10)	255	— 6,2	244,8	3	45	M 77x0,75	87	105	M 100x1	102
6,8	360	351,0	30x40	307	— 6,4	293,2	3	45	M 90x1	109	115	M 110x1	113

