



photographic leaf shutters

We continue to accumulate data for these tables. Blank cells indicate ignorance. Any and all information from readers will be much appreciated.

Compur and Prontor shutters*

All dimensions are in millimeters.

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Size	Model	Iris range mm	Shutter speeds	Housing diameter (mm)	Front cell thread	Rear cell thread	Distance between mounting surfaces	Mounting flange
00	Compur 00							M25 × 0.5
0	Synchro Compur 0; Compur 0	1.6–24	1–1/500; B	57.1	M29.5 × 0.5	M29.5 × 0.5	20 (tol = + 0.03)	M32.5 × 0.5
	Prontor-Press	1.5–23	1 to 1/125; B, T	59.8				
	Compur electronic-m 0	1.6–24	32 to 1/125; T	67 × 92.5				
	Prontor magnetic 0	1.5–23	32–1/60; T	61				
	Prontor magnetic 250	1.7–24	15 m–1/250	61				
	Prontor Professional 01	1.7–24	1–1/125; B	77.5				M39 × 0.75
1		to 30	1 to 1/500; B	72.8	M40 × 0.75	M36 × 0.75	20 (tol = + 0.03)	M39 × 0.75

2	Compur 2							M43.95 × 0.9
2	Compur 2 dial set							M50 × 0.9
3	Compur 3							M62 × 0.75
3	Prontor Professional 3							
3		to 40	1- 1/250; B	95	M58 × 0.75	M58 × 0.75	32 (tol = - 0.05)	M62 × 0.75
5					M86 × 0.75	M86 × 0.75	42	M92 × 0.75

* For current production contact:

Prontor-Werk.

Alfred Gauthier GmbH.

Postfach 1122

D-7547 Wildbad im Schwarzwald

Germany

Compound shutters

Copal shutters

All dimensions are in millimeters.

Size	Model	Iris range	Shutter speeds	Housing diameter	Front cell thread	Rear cell thread	Distance between mounting surfaces	Mounting flange
0	Copal Press 0	2- 24	1- 1/125, B	63	M29.5 × 0.5	M29.5 × 0.5	20 ± 0.025	M32.5 × 0.5
	Copal 0	1.5- 24	1- 1/1500, B, T	61				
1	Copal Press 1	2.5- 30		75	M40 × 0.75	M36 × 0.75	20 ± 0.025	M39 × 0.75
	Copal	2-	1-1/400,	73				

	1	30	B, T					
3	Copal 3	2-45	1-1/125, B, T	102	M56 × 0.75	M56 × 0.75	28.6 ± 0.025	M62 × 0.75
	Copal 3 (old)							
	Copal 567 #3							M62 × 0.75
	Copal 585 #3;							M61 × 0.75
	Copal #3s	45			M56 × 0.75	M56 × 0.75	28.6	M61 × 0.75

Ilex leaf shutters

Dimensions are identical for Universal, X Universal, and Universal Synchro models. All dimensions are in inches.

Model and size	Housing diameter	Iris range	Front cell thread	Rear cell thread	Mounting flange thread	Distance between mounting surfaces
Graphex					0.945 × 40 tpi	
Ilex #1		0.120-1.000	1.228 × 40 tpi	NA	1.327 × 40 tpi	NA
Ilex #3 mechanical	3.347	0.125-1.375	1.771 × 50 tpi	1.771 × 50 tpi	1.913 × 40 tpi	1.024
Ilex #4 mechanical	4.016	0.156-1.750	2.350 × 40 tpi	2.350 × 40 tpi	2.500 × 30 tpi	1.063
Ilex #4 electronic	4.070					
Ilex #5 mechanical	5.079	0.212-2.500	3.000 × 30 tpi	3.000 × 30 tpi	3.232 × 40 tpi	1.083
No. 4 Compound	4.200		2.449 × 39 tpi		2.598 × 29 tpi	

Wollensak shutters

In the second half of the 20th century Wollensak produced the Alphax, Betax and Rapax shutters. Earlier models included Regno, Autex and Optimo.

Model and size	Housing diameter	Speeds	Max Iris opening	Front cell thread	Rear cell thread	Mounting flange thread	Distance between mounting surfaces
Rapax #0		1/2-1/400, T&B	11/16	7/8	7/8	61/64	
Rapax #1		1-1/400, T&B	25/32	31/32	1 1/32	1.177 x 40 tpi	
Rapax #2		1-1/400, T&B	1	1 1/4	1 1/4	1 21/64	
Rapax #3		1-1/200, T&B	1 13/64	1 35/64	1 37/64	1 43/64	
Alphax #0		1/10-1/200, T&B	35/64	51/64	55/64	1.180 x 40 tpi	
Betax #0							
Alphax #1		1/10-1/200, T&B	47/64	15/16	1 1/64	1 3/16	
Betax #1							
Alphax #2		1/10-1/100, T&B	1	1 7/32	1 7/32	1 21/64	
Betax #2						1.325 x 40 tpi	
Alphax #3		1/10-1/100, T&B	1 3/8	1 51/64	1 51/64	1 51/64	
Betax #3							
Alphax #4		1/2-1/50, T&B	1 11/16	2 27/64	2 27/64	2.618 x 30 tpi	
Beta #4							
Alphax #5		1/2-1/50, T&B	2 7/32	2 15/16	2 15/16	3.117 x 30 tpi	

Betax #5

Wollensak Mounting Flanges

Wollensak catalog 1928	Wollensak catalog #43 1940s "brass flanges in sizes to fit all Wollensak lens barrels and shutters"	millimeter equivalent
15/16		23.81
	61/64	24.21
1 3/16	1 3/16	30.16
1 5/16	1 5/16	33.34
1 9/16	1 9/16	39.69
1 31/32		50.01
	2	50.80
2 3/16	2 3/16	55.56
2 19/32	2 19/32	65.88
2 29/32	2 29/32	73.82
3 3/32	3 3/32	78.58
3 5/8	3 5/8	92.07
4 3/32	4 3/32	103.98
4 11/16	4 11/16	119.06
5 5/16	5 5/16	134.94

Resources

Websites of some reputable services that fit lenses to shutters, and lens and shutters to lensboards.

www.skgrimes.com

www.lensn2shutter.com

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