



SPECIFICATIONS, TABLES AND DIAGRAMS

*SPEZIFIKATIONEN, TABELLEN UND DIAGRAMME*

10.2016

# LENS OVERVIEW | OBJEKTIVÜBERBLICK

Manufacturer Hersteller	Lens Objektiv	Effective focal length, in mm <sup>1</sup> Effektive Brennweite, in mm <sup>1</sup>	ALPA image circle at f 11, in ca. mm ALPA Bildkreis bei f 11, in ca. mm	ALPA image circle at f 22, in ca. mm (film only) ALPA Bildkreis bei f 22, in ca. mm (nur Film)	Center filter Center-Filter	Exposure correction with center filter, in EV Belichtungs-Korrektur mit Center-Filter, in LW	Filter size   Center filter size, in mm Filter-Grösse   Centerfilter-Grösse in mm	Weight of the lens, in g Gewicht des Objektivs, in g	Available as „Long Barrel“ Verfügbar als „Long Barrel“	Available as „Short Barrel 34“ Verfügbar als „Short Barrel 34“	Available as „Short Barrel 17“ Verfügbar als „Short Barrel 17“	Available as „FPS Short Barrel 17“ Verfügbar als „FPS Short Barrel 17“	Shortest distance, in m Kürzeste Distanz, in m	Standard shutter (others on request) Standardverschluss (andere auf Anfrage)	ALPA Lens Corrector ALPA Lens Corrector
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## ALPA LENSES | ALPA-OBJEKTIVE

Rodenstock	ALPA HR Alpagon 5.6/23 mm	23.82	70	-	E72	2.5	72   95	740	x	-	-	-	0.25	Copal 0	x
Rodenstock	ALPA HR Alpar 4.5/28 mm	28.77	70	-	E72	2.5	72	860	x	-	-	-	0.30	Copal 0	x
Rodenstock	ALPA HR Alpagon 4.0/32 mm	33.09	90	95	E86	1.5	86   105	990	x	-	x	x	0.40	Copal 0	x
Rodenstock	ALPA HR Alpar 4.0/35 mm	35.15	70	-	-	-	67	650	x	-	-	-	0.35	Copal 0	x
Rodenstock	ALPA AAA Apo-Alpar 4.5/35 mm	36.07	105	120	E67	2.5	67   86	430	x	-	-	-	0.40	Copal 0	x
Schneider	ALPA Apo-Switar 5.6/36 mm	36.42	90	95	Ila	2.0	72   82	352	x	-	-	-	0.30	Copal 0	x
Rodenstock	ALPA HR Alpagon 4.0/40 mm	41.85	90	95	E67	2.5	67   86	755	x	-	x	x	0.50	Copal 0	x
Schneider	ALPA Apo-Helvetar 5.6/43 mm	44.65	115	125	Iij <sup>2</sup>	1.5	67   72	400	x	-	-	-	0.50	Copal 0	x
Rodenstock	ALPA HR Alpagon 4.0/50 mm	51.68	90	95	E67	2.0	67   86	758	x	x	-	-	0.70	Copal 0	x
Schneider	ALPA Apo-Helvetar 5.6/60 mm	60.03	115	125	Iij <sup>2</sup>	1.5	67   72	460	(x)*	-	(x)*	x	0.75	Copal 0	x
Rodenstock	ALPA HR Alpagon 5.6/70 mm	70.00	100	105	-	-	58	532	x	-	x	x	0.80	Copal 0	x
Schneider	ALPA Apo-Helvetar 5.6/75 mm	74.88	90	100	-	-	67	363	(x)*	-	x	x	1.10	Copal 0	x
Rodenstock	ALPA HR Alpagon 5.6/90 mm	90.00	120	120	-	-	72	880	-	x	-	-	0.60	Copal 0	x
Rodenstock	ALPA HR Alpar 5.6/180 mm	179.55	80	95	-	-	67	950	-	x	-	-	5.00	Copal 0	x

## LENSES [DISCONTINUED] | OBJEKTIVE [EINGESTELLT]

Schneider	ALPA Apo-Helvetar 5.6/28 mm XL	29.18	90	95	IVd	1.5	spec.	675	x	-	-	-	0.57	Copal 0	x
Schneider	Super-Angulon 5.6/38 mm XL	39.42	-	140	Ila	2.0	72   82	430	x	-	-	-	0.35	Copal 0	x
Rodenstock	ALPA AAA Apo-Alpar 4.5/45 mm	46.00	115	125	E67	2.5	67   86	526	x	-	-	-	0.60	Copal 0	x
Schneider	Super-Angulon 5.6/47 mm XL	47.96	-	165	IIIc	2.0	67   72	426	x	-	-	-	0.50	Copal 0	x
Schneider	ALPA Apo-Helvetar 5.6/48 mm	47.55	115	125	Iij <sup>2</sup>	1.5	67   72	420	x	-	-	-	0.50	Copal 0	x
Rodenstock	ALPA AAA Apo-Alpar 4.5/55 mm	57.00	115	165	E67	2.5	67   86	550	x	-	-	-	0.90	Copal 0	x
Schneider	Super-Angulon 5.6/58 mm XL	58.15	-	165	IIIb	1.5	67   72	484	x	-	-	-	0.80	Copal 0	x
Rodenstock	HR Digaron-S 4.0/60 mm	60.55	70	-	-	-	49	473	x	x	-	x	0.70	Copal 0	x
Schneider	Apo-Digitar 4.0/80 mm L	80.34	90	-	-	-	40.5	295	x	x	-	-	1.20	Copal 0	x
Schneider	Super-Symmar Aspheric 4.5/80 mm XL	80.37	-	210	IIIb	1.5	67   72	453	x	x	-	-	1.20	Copal 0	x
Rodenstock	HR Digaron-W 5.6/90 mm	89.78	115	125	-	-	67	597	-	x	-	-	0.60	Copal 0	x
Schneider	Apo-Digitar 4.5/90 mm N	90.69	90	95	-	-	40.5	360	-	x	-	-	1.50	Copal 0	x
Rodenstock	HR Digaron-S 4.0/100 mm	100.08	70	-	-	-	58	610	-	x	-	-	1.80	Copal 0	x
Schneider	Apo-Digitar 5.6/100 mm N	100.95	100	105	-	-	40.5	387	x	x	-	-	1.80	Copal 0	x
Schneider	Apo-Digitar 5.6/120 mm N	124.89	110	110	-	-	40.5	591	x	x	-	-	1.20	Copal 0	x
Schneider	Apo-Digitar 5.6/120 mm M	120.15	110	110	-	-	40.5	597	x	x	-	-	1.10	Copal 0	x
Schneider	ALPA Apo-Helvetar 5.6/120 mm asph.	123.6	110	110	-	-	67	540	-	x	-	-	1.20	Copal 0	x
Schneider	Apo-Digitar 5.6/150 mm N	151.30	110	110	-	-	40.5	700	-	x	-	-	1.65	Copal 0	
Schneider	Apo-Digitar 5.6/180 mm T	180.13	120	120	-	-	55	930	-	x	-	-	2.20	Copal 0	x
Schneider	Apo-Digitar 6.8/210 mm T	210.14	120	120	-	-	72	1000	-	x	-	-	2.90	Copal 0	x
Schneider	Apo-Tele-Xenar 5.6/250 mm	250.29	-	190	-	-	82	1236	x	x	-	-	3.90	Copal 1	x

<sup>1</sup> According to technical drawings. Hereof the real focal length can vary by ± 1% [DIN] | Gemäss Angebotszeichnungen. Die reale Brennweite kann hiervon um ± 1% Abweichen [DIN-Norm]

<sup>2</sup> Combi filter for Helvetar 43, 48 and 60. Use the supplied distancer ring for Helvetar 43 and 60 | Kombifilter für Helvetar 43, 48 und 60. Für Helvetar 43 und 60 den mitgelieferten Distanzring verwenden.

\* on request | auf Anfrage

# LENS MOVEMENTS: RISE, FALL, SHIFT

Digital Formats – Theoretical Movements <sup>1</sup>

Film Formats – Theoretical Movements <sup>2</sup>

	Digital 24×36 [rise   fall ]	Digital 24×36 [shift left   right]	Digital 37×37 [rise   fall ]	Digital 37×37 [shift left   right]	Digital 33×44 [rise   fall ]	Digital 33×44 [shift left   right]	Digital 36×48 [rise   fall ]	Digital 36×48 [shift left   right]	Digital 36×56 [rise   fall ]	Digital 36×56 [shift left   right]	Digital 40×54 [rise   fall ]	Digital 40×54 [shift left   right]	Film 6×4.5 [rise   fall ]	Film 6×4.5 [shift left   right]	Film 6×6 [rise   fall ]	Film 6×6 [shift left   right]	Film 6×7 [rise   fall ]	Film 6×7 [shift left   right]	Film 6×8 [rise   fall ]	Film 6×8 [shift left   right]	Film 6×9 [rise   fall ]	Film 6×9 [shift left   right]
short side, in mm	24	24	37	37	33	33	36	36	36	36	40	40	42	42	56	56	56	56	56	56	56	56
long side, in mm	36	36	37	37	44	44	48	48	56	56	54	54	56	56	56	56	72	72	76	76	83	83
diagonal, in mm	43	43	52	52	55	55	60	60	67	67	67	67	70	70	79	79	91	91	94	94	100	100

## ALPA LENSES

		↗	↘	↗	↘	↗	↘	↗	↘	↗	↘	↗	↘	↗	↘	↗	↘	↗	↘	↗	↘		
Rodenstock	ALPA HR Alpagon 5.6/23 mm	18	15	11	11	11	9	7	6	3	2	2	2	0	0	-	-	-	-	-	-	-	
Rodenstock	ALPA HR Alpar 4.5/28 mm	18	15	11	11	11	9	7	6	3	2	2	2	0	0	-	-	-	-	-	-	-	
Rodenstock	ALPA HR Alpagon 4.0/32 mm	29	25	23	23	23	20	23	20	16	16	13	17	15	10	10	3	2	1	0	-	-	
Rodenstock	ALPA HR Alpar 4.0/35 mm	18	15	11	11	11	9	7	6	3	2	2	2	0	0	-	-	-	-	-	-	-	
Rodenstock	ALPA AAA Apo-Alpar 4.5/35 mm	37	33	31	31	31	28	37	33	35	29	25	22	32	28	25	25	20	17	18	15	15	12
Schneider	ALPA Apo-Switar 5.6/36 mm	29	25	23	23	23	20	23	20	16	16	13	17	15	10	10	3	2	1	0	-	-	
Rodenstock	ALPA HR Alpagon 4.0/40 mm	29	25	23	23	23	20	23	20	16	16	13	17	15	10	10	3	2	1	0	-	-	
Schneider	ALPA Apo-Helvetar 5.6/43 mm	43	38	36	36	37	33	40	36	38	32	31	27	35	31	28	28	23	20	22	18	19	14
Rodenstock	ALPA HR Alpagon 4.0/50 mm	29	25	23	23	23	20	23	20	16	16	13	17	15	10	10	3	2	1	0	-	-	
Schneider	ALPA Apo-Helvetar 5.6/60 mm	43	38	36	36	37	33	40	36	38	32	31	27	35	31	28	28	23	20	22	18	19	14
Rodenstock	ALPA HR Alpagon 5.6/70 mm	35	31	28	28	28	25	29	25	26	21	22	19	23	20	16	16	10	8	8	6	4	3
Schneider	ALPA Apo-Helvetar 5.6/75 mm	29	25	23	23	23	20	26	23	19	16	13	20	17	13	13	7	5	4	3	-	-	
Rodenstock	ALPA HR Alpagon 5.6/90 mm	45	41	39	39	39	36	37	33	35	29	34	30	32	28	25	25	20	17	18	15	15	12
Rodenstock	ALPA HR Alpar 5.6/180 mm	24	20	17	17	17	14	23	20	20	16	10	8	17	15	10	10	3	2	1	0	-	-

## LENSES [DISCONTINUED]

Schneider	ALPA Apo-Helvetar 5.6/28 mm XL	29	25	23	23	23	20	23	20	16	16	13	17	15	10	10	3	2	1	0	-	-	
Schneider	Super-Angulon 5.6/38 mm XL	56	51	49	49	50	46	48	44	46	40	45	40	43	39	36	36	32	28	31	26	28	23
Rodenstock	ALPA AAA Apo-Alpar 4.5/45 mm	43	38	36	36	37	33	40	36	38	32	31	27	35	31	28	28	23	20	22	18	19	14
Schneider	Super-Angulon 5.6/47 mm XL	69	64	62	62	63	59	61	57	60	53	58	53	57	52	50	50	46	42	45	40	43	36
Schneider	ALPA Apo-Helvetar 5.6/48 mm	43	38	36	36	37	33	40	36	38	32	31	27	35	31	28	28	23	20	22	18	19	14
Rodenstock	ALPA AAA Apo-Alpar 4.5/55 mm	43	38	36	36	37	33	61	57	60	53	31	27	57	52	50	50	46	42	45	40	43	36
Schneider	Super-Angulon 5.6/58 mm XL	69	64	62	62	63	59	61	57	60	53	58	53	57	52	50	50	46	42	45	40	43	36
Rodenstock	HR Digaron-S 4.0/60 mm	18	15	11	11	11	9	7	6	3	2	2	2	0	0	-	-	-	-	-	-	-	-
Schneider	Apo-Digitar 4.0/80 mm L	29	25	23	23	23	20	20	17	17	13	16	13	14	12	7	7	-	-	-	-	-	-
Schneider	Super-Symmar Aspheric 4.5/80 mm XL	91	86	85	85	86	82	84	79	83	75	81	76	80	75	73	73	71	65	70	63	68	60
Rodenstock	HR Digaron-W 5.6/ 90 mm	43	38	36	36	37	33	40	36	38	32	31	27	35	31	28	28	23	20	22	18	19	14
Schneider	Apo-Digitar 4.5/90 mm N	29	25	23	23	23	20	23	20	16	16	13	17	15	10	10	3	2	1	0	-	-	
Rodenstock	HR Digaron-S 4.0/100 mm	18	15	11	11	11	9	7	6	3	2	2	2	0	0	-	-	-	-	-	-	-	-
Schneider	Apo-Digitar 5.6/100 mm N	35	31	28	28	28	25	29	25	26	21	22	19	23	20	16	16	10	8	8	6	4	3
Schneider	Apo-Digitar 5.6/120 mm N	40	36	33	33	34	30	31	28	29	24	28	24	26	23	19	19	14	11	12	9	8	6
Schneider	Apo-Digitar 5.6/120 mm M	40	36	33	33	34	30	31	28	29	24	28	24	26	23	19	19	14	11	12	9	8	6
Schneider	ALPA Apo-Helvetar 5.6/120 mm asph.	40	36	33	33	34	30	31	28	29	24	28	24	26	23	19	19	14	11	12	9	8	6
Schneider	Apo-Digitar 5.6/150 mm N	40	36	33	33	34	30	31	28	29	24	28	24	26	23	19	19	14	11	12	9	8	6
Schneider	Apo-Digitar 5.6/180 mm T	45	41	39	39	39	36	37	33	35	29	34	30	32	28	25	25	20	17	18	15	15	12
Schneider	Apo-Digitar 6.8/210 mm T	45	41	39	39	39	36	37	33	35	29	34	30	32	28	25	25	20	17	18	15	15	12
Schneider	Apo-Tele-Xenar 5.6/250 mm	81	76	75	75	76	72	74	69	73	65	71	66	70	65	63	63	60	55	59	53	57	49

<sup>1</sup> Theoretical movements are calculated via the image circle at f11. Where not available the value for f22 (analog/film use) is applied. In this case the recommendation of these lenses for digital use is restricted. The effective usable image circle can be restricted by the the body geometry or maximum shift capacity of the respective camera.

<sup>2</sup> Theoretical movements are calculated via the image circle at f22. Where not available the value for f11 (digital use) is applied. The effective usable image circle can be restricted by the body geometry or the maximum shift capacity of the respective camera.

# COMPARABLE FOCAL LENGTH | VERGLEICHSBRENNWEITEN

Format	Size [rounded]	Diagonal in mm	Format factor long   short																									
				23	28	32	35	36	38	40	43	45	48	50	58	60	70	75	80	90	95	100	120	150	180	210	250	
24x36	24x36	43.3	1.50 – 3:2	23	28	32	35	36	38	40	43	45	48	50	58	60	70	75	80	90	95	100	120	150	180	210	250	
37x37	37x37	52.2	1.00 – 1:1	19	23	27	29	30	32	33	36	37	40	41	48	50	58	62	66	75	79	83	99	124	149	174	207	
30x45	30x45	54.0	1.50 – 3:2	18	22	25	28	28	30	31	34	35	38	39	46	47	55	59	63	71	75	79	94	118	142	165	197	
33x44	33x44	55.0	1.33 – 4:3	18	22	25	28	28	30	31	34	35	38	39	46	47	55	59	63	71	75	79	94	118	142	165	197	
36x48	36x48	60.0	1.33 – 4:3	17	20	23	25	26	27	29	31	32	35	36	42	43	50	54	58	65	69	72	87	108	130	151	180	
37x49	37x49	61.3	1.33 – 4:3	16	20	23	25	25	27	28	30	32	34	35	41	42	49	53	57	64	67	71	85	106	127	148	177	
36x56	36x56	66.6	1.56 – 3:2	15	18	21	23	23	25	26	28	29	31	32	38	39	45	49	52	58	62	65	78	97	117	136	162	
40x54	40x54	67.4	1.33 – 4:3	15	18	21	22	23	24	26	28	29	31	31	37	39	45	48	51	58	61	64	77	96	116	135	161	
6x4.5	42x56	70.0	1.33 – 4:3	14	17	22	22	23	25	28	29	30	31	31	36	37	43	45	49	56	59	62	74	93	111	130	155	
44x66	44x66	79.3	1.50 – 4:3	13	15	17	19	20	21	22	23	25	26	27	32	33	38	41	44	49	52	55	65	82	98	115	136	
6x6	56x56	79.2	1.00 – 1:1	13	15	17	19	20	21	22	23	25	26	27	32	33	38	41	44	49	52	55	66	82	98	115	137	
6x7	56x72	91.2	1.29 – 5:4	11	13	15	17	17	18	19	20	21	23	27	28	28	33	36	38	43	45	47	57	71	85	100	119	
6x8	56x76	94.4	1.36 – 4:3	11	13	15	16	16	17	18	20	21	22	23	27	27	32	34	37	41	44	46	55	69	82	96	115	
6x9	56x84	101.0	1.50 – 3:2	10	12	14	15	15	16	17	18	19	21	21	25	26	30	32	34	39	41	43	51	64	77	90	107	

# FORMATS, RESOLUTION AND MEGAPIXELS | FORMATE, AUFLÖSUNG UND MEGAPIXELS

		24x36 mm				30x30 mm			37x37 mm			33x44 mm			36x48 mm			30x45 mm			40x54 mm		
MP <sup>1</sup>	Sensor	Pixel		Pixel count		MP <sup>2</sup>	Pixel count		MP <sup>2</sup>	Pixel count		MP <sup>2</sup>	Pixel count		MP <sup>2</sup>	Pixel count		MP <sup>2</sup>	Pixel count		MP <sup>2</sup>	Pixel count	
class	size	size in micron	long side	short side	size	long side	short side	size	long side	short side	size	long side	short side	size	long side	short side	size	long side	short side	size	long side	short side	size
<b>38</b>	30x45	6.0	6'000	4'000	<b>24</b>	5'000	5'000	<b>25</b>	-	-	-	-	-	-	-	-	-	7'500	5'000	<b>38</b>	-	-	-
<b>39</b>	37x49	6.8	5'294	3'529	<b>19</b>	4'412	4'412	<b>19</b>	5'441	5'441	<b>30</b>	6'471	4'853	<b>31</b>	7'216 <sup>3</sup>	5'412 <sup>3</sup>	<b>39</b>	6'617	4'411	<b>29</b>	-	-	-
<b>50</b>	33x44	5.3	4'516	6'774	<b>31</b>	5'645	5'645	<b>32</b>	6'963	6'963	<b>48</b>	8'280 <sup>3</sup>	6'208 <sup>3</sup>	<b>50</b>	-	-	-	-	-	-	-	-	-
<b>60</b>	40x54	6.0	6'000	4'000	<b>24</b>	5'000	5'000	<b>25</b>	6'167	6'167	<b>38</b>	7'333	5'500	<b>40</b>	8'000	6'000	<b>48</b>	7'500	5'000	<b>38</b>	8'984 <sup>3</sup>	6'732 <sup>3</sup>	<b>60</b>
<b>80</b>	40x54	5.2	6'923	4'615	<b>32</b>	5'769	5'769	<b>33</b>	7'115	7'115	<b>51</b>	8'462	6'346	<b>54</b>	9'231	6'923	<b>64</b>	8'654	5'769	<b>50</b>	10'328 <sup>3</sup>	7'760 <sup>3</sup>	<b>80</b>
<b>100</b>	40x54	4.6	5'217	7'826	<b>41</b>	6'522	6'522	<b>43</b>	8'043	8'043	<b>65</b>	7'174	9'565	<b>69</b>	7'826	10'435	<b>82</b>	6'522	97'83	<b>64</b>	11'608 <sup>3</sup>	8'708 <sup>3</sup>	<b>100</b>

<sup>1</sup> Nominal megapixel count  
<sup>2</sup> Megapixels, rounded  
<sup>3</sup> Pixel count in bold = effective pixel of the respective digital back

# ALPA 12 BODIES | ALPA 12 KAMERAGEHAEUSE

		ALPA 12 TC	ALPA 12 STC	ALPA 12 WA	ALPA 12 SWA	ALPA 12 MAX	ALPA 12 XY	ALPA 12 FPS
<b>Dimensions of the body</b> <b>Dimensionen des Gehäuses</b>	Width, in mm Breite, in mm	110	145	180	180	180	220	205
	Height, in mm Höhe, in mm	110	140	115	115	205	290	115
	Depth, in mm Tiefe, in mm	20	25	45	45	30	25	35
	body alone, in grams Gehäuse alleine, in Gramm	220	590	600	640	1 200	2 600	750
<b>Movements</b> <b>Bewegungen</b>	Rise, in mm Hochshift, in mm	-	18**	-	25	25	45	none or depending on shiftable ALPA 12 body used or T/S lens
	Fall, in mm Tiefshift, in mm	-	18**	-	25***	18	25	none or depending on shiftable ALPA 12 body used or T/S lens
	Shift right, in mm Verstellung rechts, in mm	-	18**	-	-	18	25	none or depending on shiftable ALPA 12 body used or T/S lens
	Shift left, in mm Verstellung links, in mm	-	18**	-	-	18	25	none or depending on shiftable ALPA 12 body used or T/S lens
<b>Maximum format stitched*</b> <b>Maximales Format mit Stitching*</b>	Sensor 33 x 44 landscape, in mm Sensor 33 x 44, querformatig, in mm	33 x 44 Ø = 55	33 x 80 Ø = 87	33 x 44 Ø = 55	44 x 83 Ø = 94	80 x 83 Ø = 116	94 x 123 Ø = 155	33 x 44 or depending on shiftable ALPA 12 body used or T/S lens
	Sensor 33 x 44 portrait, in mm Sensor 33 x 44 hochformatig, in mm	33 x 44 Ø = 55	44 x 69 Ø = 82	33 x 44 Ø = 55	33 x 94 Ø = 100	69 x 94 Ø = 117	83 x 134 Ø = 158	33 x 44 or depending on shiftable ALPA 12 body used or T/S lens
	Sensor 36 x 48 landscape, in mm Sensor 36 x 48 querformatig, in mm	36 x 48 Ø = 60	36 x 84 Ø = 92	36 x 48 Ø = 60	48 x 86 Ø = 99	84 x 86 Ø = 121	98 x 126 Ø = 160	36 x 48 or depending on shiftable ALPA 12 body used or T/S lens
	Sensor 36 x 48 portrait, in mm Sensor 36 x 48 hochformatig, in mm	36 x 48 Ø = 60	48 x 72 Ø = 87	36 x 48 Ø = 60	36 x 98 Ø = 105	72 x 98 Ø = 122	86 x 138 Ø = 163	36 x 48 or depending on shiftable ALPA 12 body used or T/S lens
	Sensor 40 x 54 landscape, in mm Sensor 40 x 54 querformatig, in mm	40 x 54 Ø = 67	40 x 90 Ø = 99	40 x 54 Ø = 67	54 x 90 Ø = 105	90 x 90 Ø = 128	104 x 130 Ø = 167	40 x 54 or depending on shiftable ALPA 12 body used or T/S lens
	Sensor 40 x 54 portrait, in mm Sensor 40 x 54 hochformatig, in mm	40 x 54 Ø = 67	54 x 76 Ø = 94	40 x 54 Ø = 67	40 x 104 Ø = 112	76 x 104 Ø = 129	90 x 144 Ø = 170	40 x 54 or depending on shiftable ALPA 12 body used or T/S lens
	with lenses (FPS) SB 17 mit (FPS) SB-17-Objektiven	± 5° tilt or swing	± 5° tilt or swing	± 5° tilt or swing	+/- 5° tilt or swing	+/- 5° tilt or swing	± 5° tilt or swing	-
	with lenses SB 34 mit SB-34-Objektiven	± 2 x 5° or ± 5° tilt and ± 5° swing	± 2 x 5° or ± 5° tilt and ± 5° swing	± 2 x 5° or ± 5° tilt and ± 5° swing	± 2 x 5° or ± 5° tilt and ± 5° swing	± 2 x 5° or ± 5° tilt and ± 5° swing	± 2 x 5° or ± 5° tilt and ± 5° swing	± 5° tilt or swing
<b>Registering distance</b> <b>Auflagemass</b>	in mm	22.2	22.2	22.2	22.2	22.2	22.2	39.2

\* theoretical, depending on image circle of the specific lens and possible vignetting of body/lens tube  
theoretisch, abhängig vom Bildkreis des Objektivs und möglicher Vignettierung des Gehäuses und/oder Objektivtubus

\*\* depending on body orientation; either shift left/right or rise/fall  
abhängig von der Ausrichtung des Gehäuses; entweder Verstellung rechts/links oder hoch/tief

\*\*\* fall can be achieved by switching the position of the back and the lens  
Tiefshift kann durch Umsetzen von Gehäuse und Objektiv erreicht werden

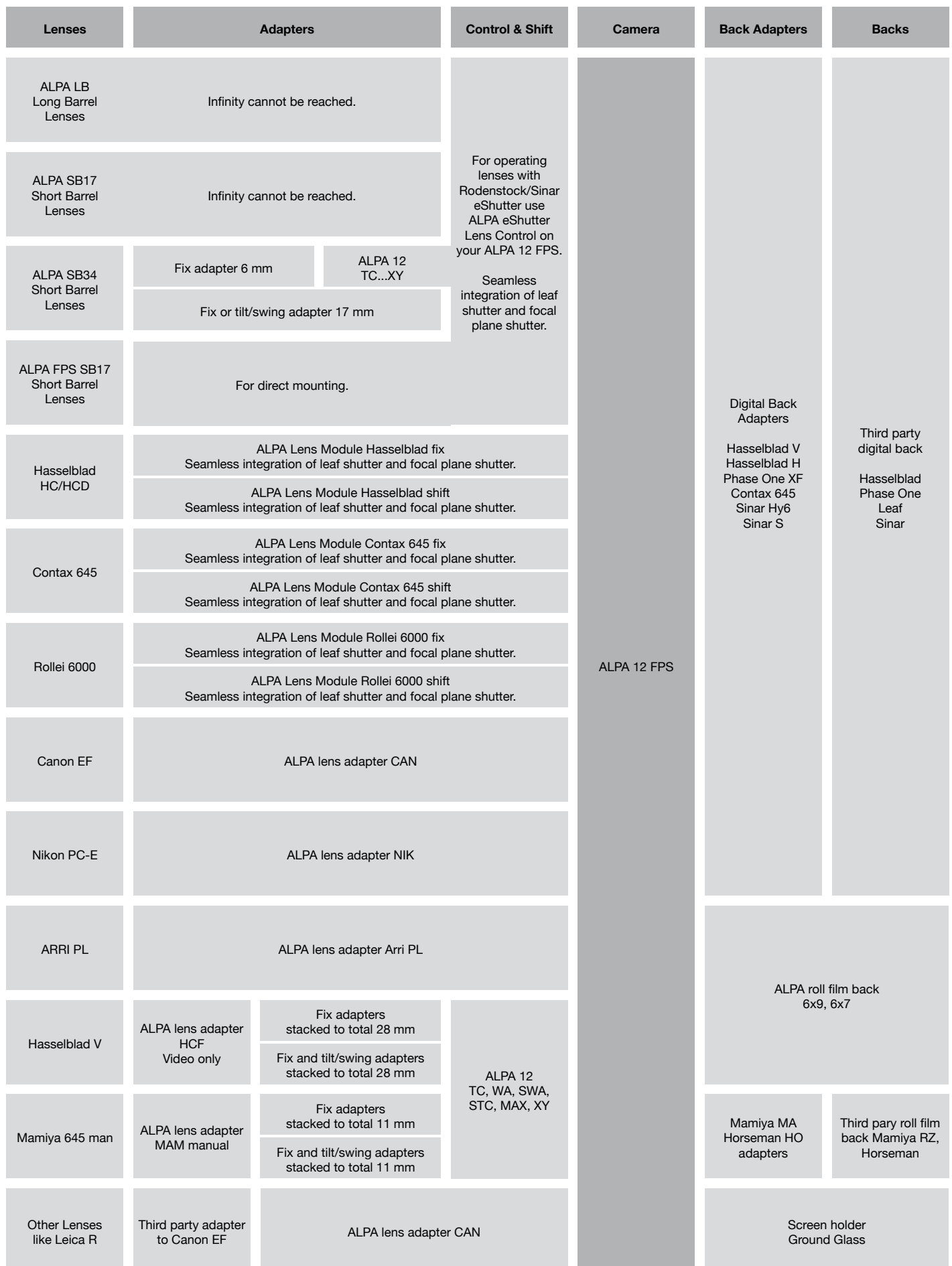
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Lenses	Adapters	Control Units	Cameras	Back Adapters	Backs
ALPA LB Long Barrel Lenses		For operating lenses with Rodenstock/Sinar eShutter instead of Copal 0  use  ALPA SILEX  plus  ALPA eShutter Lens Control	ALPA 12 TC, WA, SWA, STC, MAX, XY	Digital Back Adapters  Hasselblad V Hasselblad H Phase One XF Contax 645 Sinar Hy6 Sinar S	Third party digital back  Hasselblad Phase One Leaf Sinar
ALPA SB17 Short Barrel Lenses	Fix adapter 17 mm or fix adapters 6 mm & 11 mm - stacked to total 17 mm  Tilt/swing adapter 17 mm				
ALPA SB34 Short Barrel Lenses	Fix adapter 34 mm or fix adapters 6, 11, 17 mm - stacked to total 34 mm  Tilt/swing adapter 34 mm or tilt/swing adapter 17 mm & 17 mm fix				
ALPA FPS SB17 Short Barrel Lenses	Intermediate adapter 17 mm  Tilt/swing adapter 34 mm or tilt/swing adapter 17 mm & 17 mm fix				
Hasselblad HC/HCD	ALPA Lens Module Hasselblad fix - Video only  ALPA Lens Module Hasselblad shift - Video only	ALPA Electronic Lens Adapter 17 mm  For still photography with lenses with built in shutter.  For video photoghy with all lenses.			
Contax 645	ALPA Lens Module Contax 645 fix - Video only  ALPA Lens Module Contax 645 shift - Video only				
Rollei 6000	ALPA Lens Module Rollei 6000 fix  ALPA Lens Module Rollei 6000 shift				
Canon EF	ALPA lens adapter CAN Video only				
Nikon PC-E	ALPA lens adapter NIK Video only				
ARRI PL	ALPA lens adapter Arri PL Video only				
Hasselblad V	ALPA lens adapter HCF Video only	Intermediate adapter 17 mm  Intermediate tilt/swing adapter 17 mm			
Mamiya 645 man	ALPA lens adapter MAM manual Video only	Fix adapters stacked to total 45 mm  Fix and tilt/swing adapters stacked to total 45 mm			
Other Lenses like Leica R	Third party adapter to Canon EF	ALPA lens adapter CAN Video only	ALPA roll film back 6x9, 6x7	Mamiya MA Horseman HO adapters	Third pary roll film back Mamiya RZ, Horseman
				Screen holder Ground Glass	

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