

Plano Convex Lenses by High Light Optics UK Ltd

Part No	Focal Length mm	Diameter mm	Centre Thickness mm	Edge Thickness mm	R1 mm	R2 mm	Material
HL-998	3.73	2	1	0.7	1.78	0	QUARTZ
HL-1252	6	5	1.9	0.6	3.1	0	K9
HL-992	10.6	5	1.7	1.1	5.475	0	K9
HL-1099	19.5	5	2	1.68	10.2	0	B270
HL-1336	2.92	6	3	0	3	0	K9
HL-1360	6.6	6	2.146	0.4	3.45	0	B270
HL-322	td>	6.1	7.2	5	0	0	B270
HL-796	22	6.6	1.48	1	11.5	0	WHITE
HL-1190	30	8	1.8	1.27	15.488	0	K9
HL-344	16.63	8.1	17	0.7	8.7	0	B270
HL-1291	8	9	4	2.1	6.278	0	ZF13
HL-1292	42	9	2	1.53	21.688	0	K9
HL-1233	40	12.5	3.6	2.5	18.34	0	QUARTZ
HL-1106	40	12.5	3	2	20.65	0	K9
HL-1450	200	12.5	2.7	2.5	91.7	0	QUARTZ
HL-768	54.412	12.6	2.3	1.58	28.12	0	K9
HL-971	15.5	14	8.1	4	8.06	0	K9
HL-416	26.879	14	4	2.1	13.891	0	K9
HL-1327	19.37	14.8	4.36	1.09	10	0	K9
HL-535	69.85	15	1.8	0.81	36.07	0	K9
HL-826	32.7	15.8	3.9	1.9	16.9	0	K9
HL-974	40	16	4.6	2.9	20.7	0	K9
HL-178	27	18	4.8	1.5	13.95	0	BK7
HL-790	54.412	18	2.3	0.82	28.12	0	K9
HL-1451	200	18.9	3	2.5	91.7	0	QUARTZ
HL-406	27.8	19	3.4	1.3	22.3482	0	ZF7
HL-1155	21	19.5	8	2	11	0	B270
HL-947	30	20	4.7	1.04	15.49	0	K9
HL-1375	60	20	2.7	1	31.14	0	K9
HL-626	74.13	20	3	2.1	58.17	0	SF12
HL-797	311.47	21.4	2.2	1.85	162.9	0	GREEN
HL-386	55.9	21.99	2.95	0.78	28.97	0	K3
HL-942	360.04	22.2	2.1	1.8	188.3	0	B270
HL-924	31.44	23.7	7.3	2.1	16.03	0	K9
HL-340	29.77	24.7	8	1.9	15.57	0	B270
HL-341	40.64	25	6	1.9	21.255	0	B270
HL-325	41.41	25	5.8	1.8	21.66	0	B270

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HL-862	92	25	3.67	2	47.51	0	K9
HL-863	100	25	3.55	2	51.16	0	K9
HL-811	110.39	25	3.39	2	57	0	K9
HL-864	125	25	3.22	2	64.54	0	K9
HL-336	166.67	25	2.91	2	87.17	0	B270
HL-383	166.7	25	2.9	2	87.17	0	B270
HL-779	190.12	25	2.5	1.7	98.17	0	K9
HL-1090	33.3	25.3	7.5	1.95	17.2	0	K9
HL-1008	37	25.3	7.5	2.7	19.11	0	K9
HL-566		25.4	8.46	0.51	14.12	0	K9
HL-681	60.77	25.4	5.7	3	31.38	0	K9
HL-640	67.59	25.4	4.02	1.86	38.45	0	BaK4
HL-339	30.72	26	9.3	2.4	16.069	0	B270
HL-405	77.7	26	3.4	1.2	40.1775	0	BK7
HL-331	166.67	26	2.98	2	87.17	0	B270
HL-1294	49.67	27.5	6.5	2.6	25.978	0	B270
HL-390	29	28	11.61	2	15	0	BK7
HL-989	42	28	7.2	2.17	22	0	B270
HL-408	43.9	28	4.2	1.3	35.3078	0	NBFD3
HL-409	43.8	28	4.2	1.3	35.3078	0	ZF7
HL-1345	30	29	12.2	2.5	15.7	0	B270
HL-982	62.485	30	5.2	1.55	32.68	0	B270
HL-648	64.47	30	3.5	1.13	50.59	0	SF11
HL-105	100.44	30	4.7	2.5	52.53	0	B270
HL-955	150.05	30	4.6	3.4	97.86	0	ZF1
HL-757	1007	30	2.32	2.1	520	0	K9
HL-1459	1000	30	2.41	2.2	523	0	B270
HL-756	1342.6	30	2.26	2.1	693.3	0	K9
HL-1460	1333.3	30	2.36	2.2	697.33	0	B270
HL-1461	2000	30	2.31	2.2	1046	0	B270
HL-107	48.69	31	5.61	1.35	30.335	0	SK15
HL-854	57.74	31.5	5.08	1.4	35.822	0	ZK9
HL-608	35.6	32	6.2	1.07	27.5	0	TAF1
HL-107	48.69	31	5.61	1.35	30.335	0	SK15
HL-854	57.74	31.5	5.08	1.4	35.822	0	ZK9
HL-608	35.6	32	6.2	1.07	27.5	0	TAF1

Part No	Focal Length mm	Diameter mm	Centre Thickness mm	Edge Thickness mm	R1 mm	R2 mm	Material
HL-633	51.18	32.5	6.92	1.33	26.43	0	K9
HL-1109	54.35	32.5	8.6	3.4	27.982	0	K9
HL-927	76.63	35	5.8	1.7	39.573	0	K9
HL-610	300	35	4	3	155	0	K9
HL-576	85	36	6.4	2.5	43.9	0	K9
HL-575	128	36	4.5	2	66.1	0	K9
HL-1316	84.38	38	6.4	2.03	43.574	0	K9
HL-524	85	38	6.8	2.5	43.9	0	K9
HL-1347	95	38	6.3	2.5	49.7	0	B270
HL-1315	127.67	38	5	2.203	65.927	0	K9
HL-523	128	38	4.9	2	66.1	0	K9
HL-110	147.27	38	4	1.62	77.02	0	B270
HL-521	200	38	4.3	2.5	103.3	0	K9
HL-628	283	38	4	2.8	146.13	0	K9
HL-1458	1000	38	2.84	2.5	523	0	B270
HL-1457	1333.3	38	2.76	2.5	697.33	0	B270
HL-1456	2000	38	2.67	2.5	1046	0	B270
HL-1239	126.3	39	4.566	2.101	78.363	0	ZK9
HL-500	45	40	13.9	2.5	21.672	0	BOROSI
HL-418	45.9	40	24	12.27	24	0	B270
HL-1251	50	40	11.3	1.9	25.93	0	K9
HL-323	58.81	40	10.1	2.7	30.76	0	B270
HL-962	60.56	40	10.13	2.9	31.27	0	K9
HL-143	60	40	9.2	2	31.38	0	B270
HL-1064	61.2	40	9.15	2	31.62	0	K9
HL-822	80	40	7.17	2	41.31	0	K9
HL-1205	90.9	40	6.4	2	47.545	0	B270
HL-823	100	40	6.04	2	51.637	0	K9
HL-1207	129	40	5.3	2.3	67.5	0	B270
HL-1070	130.8	40	6.1	3	67.55	0	K9
HL-1415	151.6	40	5	2.4	78.298	0	K9
HL-495	200.8	40	4.9	3	103.69	0	K9
HL-488	426.94	40	3.3	2.4	220.46	0	K9
HL-624	68.24	42	7	2.71	53.55	0	SF11
HL-1110	44.79	42.5	11.6	2.5	29.427	0	ZBaF3
HL-1112	40.03	43.5	16.25	3.5	24.939	0	ZK21

<b>Part No</b>	<b>Focal Length mm</b>	<b>Diameter mm</b>	<b>Centre Thickness mm</b>	<b>Edge Thickness mm</b>	<b>R1 mm</b>	<b>R2 mm</b>	<b>Material</b>
<b>HL-876</b>	52.7	43.5	10.2	2	32.84	0	BaK7
<b>HL-489</b>	109.28	43.9	6.5	2.1	57.155	0	K9
<b>HL-047</b>	111	44	5.09	1.7	73.083	0	BACED5
<b>HL-113</b>	155.8	44.2	5	1.95	81.5	0	B270
<b>HL-1269</b>	67	44.5	10.6	2.5	34.61	0	K9
<b>HL-1320</b>	140.35	44.5	6	2.5	72.4732	0	K9
<b>HL-1453</b>	65	44.6	10.53	2.2	34	0	B270
<b>HL-758</b>	165	44.9	5.5	2.5	85.2	0	K9
<b>HL-759</b>	200	44.9	5	2.5	103.3	0	K9
<b>HL-349</b>	57.13	45	12.42	2	29.88	0	B270
<b>HL-914</b>	89.33	45	7.5	1.64	46.13	0	K9
<b>HL-121</b>	110.5	45	6.56	2	57.8	0	B270
<b>HL-1391</b>	112.99	45	6	1.49	58.345	0	K9
<b>HL-1105</b>	154.15	45	6	2.8	79.6	0	K9
<b>HL-687</b>	420	45	3.67	2.5	216.88	0	K9
<b>HL-622</b>	89.46	46	6.5	2.63	70.2	0	SF11
<b>HL-1424</b>	115.4	46	6.55	2.76	71.6	0	ZK9
<b>HL-338</b>	164.53	46.8	4.54	1.34	87.17	0	B270
<b>HL-726</b>	86.29	47	8	1.3	44.56	0	K9
<b>HL-964</b>	121.54	47	6	1.6	64.938	0	QF6
<b>HL-131</b>	150	47.625	6.24	2.54	78.45	0	B270
<b>HL-551</b>	9.68	48	48	2.5	5	0	K9
<b>HL-620</b>	55	48	14.72	1.5	28.4	0	K9
<b>HL-882</b>	103.56	48	7.7	2.04	53.7	0	K9
<b>HL-163</b>	179.5	48	7	3.9	93.866	0	B270
<b>HL-144</b>	179.54	48	7	3.9	93.9	0	B270
<b>HL-161</b>	57.16	49.3	16.87	1.6	27.53	0	BOROSI
<b>HL-129</b>	58.8	49.53	14.32	1.8	30.75	0	B270
<b>HL-150</b>	59.055	49.66	14.51	2	30.89	0	B270
<b>HL-154</b>	90.3	49.75	9.41	2.25	47.244	0	B270
<b>HL-1118</b>	75	49.78	11.56	2.65	39.225	0	B270
<b>HL-1119</b>	100	49.78	8.95	2.65	52.3	0	B270
<b>HL-1120</b>	125	49.78	7.58	2.65	65.375	0	B270

Part No	Focal Length mm	Diameter mm	Centre Thickness mm	Edge Thickness mm	R1 mm	R2 mm	Material
HL-569	129.23	49.8	7.8	3	66.728	0	K9
HL-478	143.7	49.8	7	2.8	74.23	0	K9
HL-501	147.01	49.8	7	2.8	75.91	0	K9
HL-1363	55	50	17.5	3	28.764	0	B270
HL-155	63	50	13.7	2.23	32.95	0	B270
HL-1040	70.06	50	12.6	2.57	36.176	0	K9
HL-720	75	50	11.65	2.5	38.73	0	K9
HL-352	75	50	11.9	3	39.56	0	B270
HL-156	76.2	50	10.82	2	39.85	0	B270
HL-348	80	50	10.42	2	41.84	0	B270
HL-123	88.9	50	11	2.9	42.81	0	BOROSI
HL-951	85	50	11.22	3.4	43.89	0	K9
HL-1012	89.1	50	9.9	2.5	46	0	K9
HL-1011	91.57	50	10.3	3.26	47.896	0	B270
HL-979	100	50	9.5	3	51.637	0	K9
HL-719	100	50	8.95	2.5	51.64	0	K9
HL-142	100	50	8.36	2	52.3	0	B270
HL-1138	106.5	50	8.5	2.5	55	0	K9
HL-115	120.41	50	10	4.83	62.97	0	B270
HL-935	125	50	8.15	3.1	64.5	0	K9
HL-963	142.75	50	6.37	2	73.71	0	K9
HL-138	142	50	7	2.7	74.5	0	B270
HL-1034	142	50	7	2.68	74.5	0	B270
HL-805	150	50	9	4.86	77.52	0	K9
HL-1219	126.3	50	6.332	2.409	78.363	0	ZK9
HL-1311	150	50	6.5	2.4	78.5	0	B270
HL-109	150.56	50	5.8	1.73	78.74	0	B270
HL-114	168.57	50	7	3.38	88.16	0	B270
HL-1405	180	50	6	2.62	94.14	0	B270
HL-042	183.4	50	5.82	2.5	95.916	0	B270
HL-1476	200	50	4.75	1.67	103.27	0	K9
HL-1093	200	50	5.6	2.57	104.5999	0	B270
HL-960	222.07	50	4.26	1.5	114.67	0	K9
HL-1150	95.6	50.1	8.6	2	50	0	B270
HL-356	52.68	50.4	18.2	1.2	27.2	0	K9
HL-558	87.57	50.65	10.26	2.5	45.22	0	K9
HL-1188	87.57	50.65	10.26	2.5	45.22	0	K9

<b>Part No</b>	<b>Focal Length mm</b>	<b>Diameter mm</b>	<b>Centre Thickness mm</b>	<b>Edge Thickness mm</b>	<b>R1 mm</b>	<b>R2 mm</b>	<b>Material</b>
HL-440	88.9	50.8	10.3	2	43.03	0	BOROSI
HL-158	100	50.8	9.2	2	48.4	0	PYREX
HL-721	127	50.8	8.12	3	65.58	0	K9
HL-1376	150	50.8	9	4.7	77.85	0	K9
HL-1153	63.6	51	14.14	2	32.85	0	K9
HL-1274	67.3	51	13	2.1	35.214	0	B270
HL-169	59.27	52	21.6	7.5	31	0	B270
HL-108	85.6	52	10	1.68	44.78	0	B270
HL-174	88	52	9.6	1.6	46	0	B270
HL-1346	95	52	10	2.6	49.7	0	B270
HL-420	239.2	52	6.6	3.83	123.43	0	K9
HL-926	68.67	53	19.4	7.6	35.575	0	K9
HL-102	229.83	54	4.88	1.6	112.62	0	ARCYLIC
HL-104	245.31	54	4.66	1.6	120.2	0	ARCYLIC
HL-133	229.83	54	4.66	1.6	120.2	0	GREEN
HL-103	229.83	54	4.33	1.6	134.68	0	PC
HL-1038	70.06	55	14.68	2	36.176	0	K9
HL-381	76.9	55	12.9	2	40.23	0	B270
HL-597	90	55	12	3	46.5	0	K9
HL-904	99.54	55	9	2.5	61.756	0	ZK9
HL-1314	127.1	55.5	8.2	2.044	65.62	0	K9
HL-778	90	56	11.5	2	46.3	0	K9
HL-460	125	56	9.5	3.1	64.5	0	BK7
HL-522	128	56	9.3	3	66.1	0	K9
HL-895	220	56	7.1	3.5	113.6	0	K9
HL-1341	67.3	57	16.7	2.2	35.214	0	B270
HL-1382	78.5	57	15.8	2.51	37.2	0	PYREX
HL-145	204.59	57	7	3.1	107	0	B270
HL-162	240.7	57	7	3.1	107.058	0	B270
HL-168	66.92	58	24.9	9.5	35	0	B270
HL-690	100	59	11.76	2.5	51.64	0	K9
HL-1146	69.55	59.98	14.4	2.3	43.15	0	ZK9
HL-1036	66.54	60	21	3.84	34.8	0	B270
HL-919	68.67	60	20.8	4.3	35.575	0	K9
HL-151	80.98	60	16	1.92	39	0	BOROSI
HL-361	75	60	16	2	39	0	B270
HL-787	80	60	15.41	2.5	41.31	0	K9

Part No	Focal Length mm	Diameter mm	Centre Thickness mm	Edge Thickness mm	R1 mm	R2	Material
HL-786	100	60	13.68	2.5	45.85	0	QUARTZ
HL-663	100	60	12.61	3	51.64	0	K9
HL-1448	100	60	11.24	1.78	52.3	0	B270
HL-175	114.05	60	12	2.91	54.06	0	PYREX
HL-353	124.28	60	10	3	65	0	B270
HL-1352	126	60	10	2.7	65.9	0	B270
HL-664	150	60	9.05	3	77.46	0	K9
HL-120	155	60	7.3	1.56	81.33	0	B270
HL-1035	159	60	8.34	2.5	83.31	0	B270
HL-165	187.75	60	8.12	3	90.42	0	BOROSI
HL-125	200.8	60	7.66	2.8	95	0	DURAN
HL-164	200.4	60	7.66	2.8	95	0	PYREX
HL-1353	183	60	7.4	2.5	95.75	0	B270
HL-1442	254.2	60	5.55	2	131.27	0	K9
HL-137	306	60	5.82	3	160.02	0	B270
HL-100	1989	60	3.43	3	1040.1	0	B270
HL-599	184.46	61.5	7.6	2.5	95.25	0	K9
HL-645	118.08	62	8.88	2	73.26	0	SK16
HL-1319	160	63	7.75	1.5	82.56	0	K9
HL-157	88.9	63.5	14.53	2	46.5	0	B270
HL-1095	130	65	11.8	2.5	61.65	0	PYREX
HL-1452	120.5	65	11.3	2.27	63	0	B270
HL-1245	126.31	65.3	10.6	3.5	78.363	0	ZK9
HL-171	138.3	66	11.95	3	65.29	0	PYREX
HL-908	200	66	7.34	2	104.62	0	K9
HL-160	260	66	7.7	3.4	125.84	0	PYREX
HL-574	265.82	66	8.4	4	126	0	PYREX
HL-1174	266	66	8.4	4	126	0	PYREX
HL-1285	76.2	66.67	21.1	3	39.86	0	B270
HL-1286	101.6	66.67	14.8	3	53.1	0	B270
HL-1287	127	66.67	12	3	66.45	0	B270
HL-1288	152.4	66.67	10.3	3	79.7	0	B270
HL-1289	177.8	66.67	9.2	3	93	0	B270
HL-1290	203.2	66.67	8.4	3	106.28	0	B270
HL-140	124	67	11.2	2	65.024	0	B270

Part No	Focal Length mm	Diameter mm	Centre Thickness mm	Edge Thickness mm	R1 mm	R2 mm	Material
HL-705	95.44	67	9	1.32	76.95	0	ZF8
HL-139	159	67	8.97	2	83.31	0	B270
HL-1033	159	67	9	2	83.31	0	B270
HL-559	205.28	67	7.93	2.5	106	0	K9
HL-1189	205.28	67	7.93	2.5	106	0	K9
HL-959	95.23	68	18.25	3	45.52	0	PYREX
HL-1136	110.7	68	14.8	2.3	52.479	0	PYREX
HL-1273	179.72	68	6.3	1	111.5	0	ZK9
HL-961	259.56	68	10.5	1.8	134.03	0	K9
HL-1373	290	68	7.5	3.6	150	0	K9
HL-922	120	69	14.04	2.5	57.36	0	PYREX
HL-1261	80.3	69.8	20.5	1.8	42	0	B270
HL-493	74.09	70	22	3	38.26	0	K9
HL-861	99.4	70	16.4	2.62	51.33	0	K9
HL-754	106.6	70	15.4	3	55.05	0	K9
HL-1240	128.69	70	14.62	3.58	61	0	PYREX
HL-1199	129.45	70	13.33	3.6	67.7	0	B270
HL-836	126.31	70	10.6	2.4	78.363	0	ZK9
HL-321	166.67	70	9.5	2.17	87.17	0	B270
HL-1206	181.8	70	9.7	3	95.091	0	B270
HL-461	290	70	7.5	3.36	150	0	BK7
HL-671	334.73	70	6.5	2.65	160	0	PYREX
HL-894	330	70	7.44	3.8	170.4	0	K9
HL-627	400	70	6.5	3.3	191.2	0	PYREX
HL-1140	131.85	75	18	2.2	52.5	0	PYREX
HL-1104	106.51	75	17.27	2.5	55	0	PYREX
HL-126	175.1	75	10.9	2.1	84.33	0	BOROSI
HL-1102	281.65	75	8.2	3.34	147.305	0	B270
HL-888	196.15	76	10	1.95	93.76	0	PYREX
HL-715	305	76	9.04	4	145.79	0	PYREX
HL-688	300	76	7.23	2.5	154.91	0	K9
HL-1022	100	76.2	19.7	3	51.85	0	K9
HL-1023	127	76.2	15	2.9	65.88	0	K9
HL-124	127.5	76.4	16.17	2.84	61.4	0	BOROSI
HL-369	148.27	77	11.15	2.705	91.986	0	ZK9
HL-972	179.7	80	12	2	85.2	0	PYREX

<b>Part No</b>	<b>Focal Length mm</b>	<b>Diameter mm</b>	<b>Centre Thickness mm</b>	<b>Edge Thickness mm</b>	<b>R1 mm</b>	<b>R2 mm</b>	<b>Material</b>
HL-1362	163	80	12.5	2.533	85.249	0	B270
HL-788	200	80	10.56	3	103.27	0	K9
HL-785	270	80	9.36	3	129.06	0	PYREX
HL-384	222.2	85	10.1	2	116.22	0	B270
HL-1003	133.56	88.8	17.58	1.75	69.85	0	B270
HL-134	240.86	88.8	12	3	116	0	BOROSI
HL-118	113	88.9	22.5	2.5	59.4	0	B270
HL-1277	114.3	88.9	22.5	2.69	59.78	0	B270
HL-297	127.7	88.9	20.5	1.5	61.5	0	BOROSI
HL-295	128.73	88.9	21.3	2.5	62	0	BOROSI
HL-1331	131.6	88.9	21.5	2.9	62.4	0	PYREX
HL-499	137.93	88.9	19.49	2.4	66.43	0	BOROSI
HL-1361	152.4	88.9	18	2.7	72.238	0	PYREX
HL-285	153.65	88.9	18.3	3.5	74	0	BOROSI
HL-1276	152.4	88.9	16.3	2.76	79.71	0	B270
HL-1417	203.2	88.9	13.4	2.5	96.317	0	PYREX
HL-284	205.56	88.9	14.3	3.7	99	0	BOROSI
HL-127	206.19	88.9	13	2.5	99.3	0	BOROSI
HL-141	221	88.9	11.07	2.25	115.57	0	B270
HL-1472	254	88.9	11	2.5	120.396	0	PYREX
HL-283	255.4	88.9	11.8	3.5	123	0	BOROSI
HL-282	311.46	88.9	11	4.26	150	0	BOROSI
HL-311	133	89	20.1	2.5	65	0	BOROSI
HL-1060	134.6	89	18.35	2.5	70.4	0	B270
HL-130	154.07	89	16.8	2	74.2	0	BOROSI
HL-146	267	89	9.85	2	130	0	BOROSI
HL-116	333.13	89	10	3.73	160.44	0	B270
HL-474	98.8	89.5	22.2	2.1	60	0	ZK15
HL-900	241.09	89.5	12	2.87	114.28	0	PYREX
HL-132	261.63	89.6	10.5	2.3	126	0	BOROSI
HL-172	265.8	89.6	11	3	126	0	PYREX
HL-111	290	89.7	10.4	3	139.66	0	BOROSI
HL-1474	124.5	90	24	3.1	59	0	PYREX
HL-1103	116.19	90	22.8	2.5	60	0	K9
HL-1141	121	90	21.5	2.37	62.5	0	K9
HL-1042	125	90	21	2.7	64.55	0	K9
HL-1089	135.56	90	19.4	3	70	0	K9

<b>Part No</b>	<b>Focal Length mm</b>	<b>Diameter mm</b>	<b>Centre Thickness mm</b>	<b>Edge Thickness mm</b>	<b>R1 mm</b>	<b>R2 mm</b>	<b>Material</b>
HL-618	151.05	90	16.29	2	78	0	K9
HL-1354	163	90	15.5	2.6	85.3	0	B270
HL-743	193	90	14.72	3	92.25	0	PYREX
HL-682	190	90	14	3	98.11	0	K9
HL-683	200	90	13.4	3	103.28	0	K9
HL-692	220	90	12.8	2.7	105.16	0	PYREX
HL-128	223	90	12	3	107.4	0	BOROSI
HL-152	239	90	11.6	2.5	115.57	0	BOROSI
HL-153	261.6	90	10.8	2.5	126	0	BOROSI
HL-537	-222.6	90	5	12.5	138	0	K9
HL-135	331	90	8.46	2	160	0	BOROSI
HL-149	359	90	8.3	2.5	172.9	0	BOROSI
HL-707	334.94	95	7.5	2	207.8	0	ZK9
HL-984	120.8	100	28.8	3.93	62.4	0	K9
HL-1253	133	100	27.15	2.51	63.05	0	PYREX
HL-1194	138.4	100	26	2.866	65.6	0	PYREX
HL-1232	135.2	100	25	4.04	70.12	0	K9
HL-1369	144	100	22	3	75.312	0	B270
HL-581	166.8	100	20	4	86.13	0	K9
HL-651	194.7	100	17.1	2.5	93.1	0	PYREX
HL-1374	180.2	100	16.2	2	94.234	0	B270
HL-1024	200	100	18	5.1	103.28	0	K9
HL-1195	200.8	100	15	2.33	105	0	B270
HL-1200	221.5	100	14.5	1.8	105	0	PYREX
HL-944	245.9	100	13.36	2.2	117.54	0	PYREX
HL-552	245.9	100	12.5	2.2	127	0	K9
HL-1025	250	100	15	5	129.58	0	K9
HL-1430	285.7	100	11.2	2.5	149.43	0	B270
HL-718	290	100	11.59	3	149.75	0	K9
HL-1371	361.3	100	9.4	2.75	188.976	0	B270
HL-1429	500	100	7.4	2.5	261.5	0	B270
HL-449	222.2	110	17.7	2.5	107.07	0	BOROSI
HL-419	222.2	110	16.3	2.5	116.2	0	B270
HL-917	255.63	110	14.47	2.5	132	0	K9
HL-429	286.8	110	13.37	2	138.81	0	BOROSI
HL-428	286.8	110	12.6	2	148.1	0	K9

Part No	Focal Length mm	Diameter mm	Centre Thickness mm	Edge Thickness mm	R1 mm	R2 mm	Material
HL-1053	286.8	110	12.36	2	150	0	B270
HL-427	478.01	110	8.21	1.6	231.36	0	BOROSI
HL-426	478.01	110	8.64	2.4	246.83	0	K9
HL-1054	478	110	8.07	2	250	0	B270
HL-685	492.63	110	9	2.98	254.38	0	K9
HL-617	255.63	112	14.47	2	132	0	K9
HL-517	309.86	112.5	13.2	3	160	0	K9
HL-980	165	112.65	26.6	2.7	78.3	0	PYREX
HL-975	165	112.65	23.93	2.65	85.3	0	K9
HL-893	129.36	113	33.66	2.5	66.8	0	K9
HL-733	129.5	113	34.1	3	66.87	0	K9
HL-1406	180	113	22.9	4.1	94.14	0	B270
HL-1348	190	113	20.1	2.5	99.5	0	B270
HL-528	201.41	113	19.68	3	104	0	K9
HL-287	199.12	113	19.66	3	104.14	0	B270
HL-136	284	113	13.58	2.5	148.34	0	B270
HL-288	283.69	113	14.18	3	148.37	0	B270
HL-527	287.72	113	14.16	3	148.57	0	K9
HL-289	305.96	113	13.3	3	160.02	0	B270
HL-290	397.27	113	10.83	3	207.77	0	B270
HL-529	402.81	113	10.82	3	208	0	K9
HL-265	193	114	22.2	3	94.2	0	BOROSI
HL-293	189.3	114	20.5	2.44	99	0	B270
HL-279	311.6	114	13.15	2.85	163	0	B270
HL-272	426	114	11	3	207.8	0	BOROSI
HL-1074	158.7	114.3	25.35	2.54	83	0	B270
HL-1073	190.5	114.3	20.56	2.54	99.644	0	B270
HL-1329	191.2	114.3	21	3.1	100	0	B270
HL-1072	234.96	114.3	16.64	2.54	122.885	0	B270
HL-281	311.46	114.3	14	2.69	150	0	BOROSI
HL-652	429.3	114.3	10.7	2.6	205.2	0	PYREX
HL-277	413	114.3	10.69	3	216	0	B270
HL-299	193	114.9	22.55	3	94.2	0	BOROSI
HL-310	171	115	26	3	83.3	0	BOROSI
HL-309	237	115	18.31	3	115.6	0	BOROSI
HL-1370	144	120	33	3.2	75.312	0	B270
HL-1351	260	120	16.5	2.5	136	0	B270

Part No	Focal Length mm	Diameter mm	Centre Thickness mm	Edge Thickness mm	R1 mm	R2 mm	Material
HL-1432	285.7	120	15.6	3	149.43	0	B270
HL-122	286.23	120	15.55	3	149.7	0	B270
HL-1107	300	120	15	3	154.91	0	K9
HL-1440	400.67	120	12.2	3.4	209.548	0	B270
HL-1234	500	120	11	3.01	229.25	0	QUARTZ
HL-946	500	120	10.65	3	239	0	PYREX
HL-1108	500	120	10.1	3	258.19	0	K9
HL-553	500	120	10.1	3	258.2	0	K9
HL-1431	500	120	10	3	261.5	0	B270
HL-1201	500	120	11	4.03	261.6	0	B270
HL-1492	666.67	120	8.2	3	348.67	0	B270
HL-1230	234.4	125	25	7.71	121.6	0	K9
HL-1334	3000	125	4	2.6	1375.5	0	QUARTZ
HL-1265	235.05	127	20.62	2.95	122.94	0	B270
HL-1139	235.2	127	20.72	3	123	0	B270
HL-1145	235.2	127	20.82	3	123	0	B270
HL-1284	500	127	12	3.3	237	0	PYREX
HL-1032	506.72	127	10.3	2.58	265.016	0	B270
HL-609	300	128	16.9	3	155	0	K9
HL-098	279.73	129.95	16.84	4.14	172.593	0	SSK4
HL-983	200	130	26.6	3.58	103.28	0	K9
HL-1116	200	130	26.6	3.6	103.28	0	K9
HL-1193	334.6	130	15	2.48	175	0	B270
HL-595	352.46	130	15.5	3.5	182	0	K9
HL-1356	360	130	14.6	3	188.3	0	B270
HL-1358	500	130	11.2	3	261.5	0	B270
HL-1357	600	130	9.9	3	313.8	0	B270
HL-596	635.78	130	10.5	4	328.3	0	K9
HL-1071	304.8	132	16.85	2.55	159.41	0	B270
HL-986	234.64	135	23.5	3	121.16	0	K9
HL-177	179.7	137	33.5	3.9	94	0	B270
HL-1279	250	140	24.3	3.8	129.58	0	K9
HL-1338	532.6	140	12	2.94	275	0	K9
HL-176	233.3	145	28	4.1	122	0	B270
HL-273	423.65	145	14.5	2.14	218.94	0	BK7
HL-346	213.56	149.8	29.2	6.1	102.85	0	BOROSI
HL-512	180.36	150	47.1	4	86.86	0	BOROSI

Part No	Focal Length mm	Diameter mm	Centre Thickness mm	Edge Thickness mm	R1 mm	R2 mm	Material
HL-737	200	150	35.28	3	103.27	0	K9
HL-561	234.18	150	32.2	3	111	0	PYREX
HL-1407	230	150	30.3	4.1	120.29	0	B270
HL-1349	260	150	25.6	3	136	0	B270
HL-1056	286.8	150	22.5	2.4	150	0	B270
HL-1478	305.9	150	22	3.3	160	0	B270
HL-1257	366.96	150	21	4	173.94	0	PYREX
HL-1434	333.3	150	20	3	174.33	0	B270
HL-1355	360	150	18.6	3	188.3	0	B270
HL-1479	400	150	17	3.1	209.2	0	B270
HL-1197	401.5	150	17.85	4	210	0	B270
HL-573	440	150	15.8	3	227.5	0	K9
HL-1057	439.7	150	15.57	3	230	0	B270
HL-738	500	150	14.13	3	258.19	0	K9
HL-1433	500	150	14	3	261.5	0	B270
HL-604	520	150	15.69	5	268.52	0	K9
HL-1480	644.9	150	11.5	3.1	337.3	0	B270
HL-530	671.36	150	11.21	3	346.67	0	K9
HL-693	1000	150	8.4	2.9	516.37	0	K9
HL-949	500	150	6.82	4	1000	0	K9
HL-694	2000	150	5.73	3	1032.74	0	K9
HL-695	3000	150	4.82	3	1549.11	0	K9
HL-296	311.46	151.4	23.4	2.9	150	0	BOROSI
HL-306	311.5	151.4	23.4	2.9	150	0	BOROSI
HL-305	423.59	151.4	17.5	2.93	204	0	BOROSI
HL-307	230.48	151.9	32.5	2.45	111	0	BOROSI
HL-999	233.25	152	33.84	3.6	110.562	0	PYREX
HL-1328	234.1	152	33	3	111	0	PYREX
HL-557	251.76	152	28.03	3.5	130	0	K9
HL-1000	308.1	152	22.7	3.65	161.112	0	B270
HL-607	330	152	22.7	5	172	0	K9
HL-1001	407.98	152	17.1	3.1	213.372	0	B270
HL-446	500	152	14.3	3	261.5	0	B270
HL-445	666.45	152	11.4	3	348.6	0	B270
HL-444	833.27	152	9.7	3	435.8	0	B270
HL-443	1000	152	8.5	3	523	0	B270
HL-280	311.46	152.4	39	18.2	150	0	BOROSI

Part No	Focal Length mm	Diameter mm	Centre Thickness mm	Edge Thickness mm	R1 mm	R2 mm	Material
HL-653	306	152.4	22.6	3	158	0	K9
HL-298	328	152.4	22.31	3	160	0	BOROSI
HL-439	312.11	152.4	22.17	3	161.05	0	K9
HL-294	311.67	152.4	21.8	2.9	163	0	B270
HL-1058	311.6	152.4	21.4	2.5	163	0	B270
HL-654	361.3	152.4	19.3	3	186.6	0	K9
HL-117	400	152.4	16.87	2.5	209.2	0	B270
HL-274	413	152.4	16.4	2.5	216	0	B270
HL-300	533	152.4	14.4	3	260	0	BOROSI
HL-308	267.69	174.7	32.55	6.5	140	0	B270
HL-655	611.5	177.8	15.8	3	315.76	0	K9
HL-1114	610	177.8	17.2	4.5	319	0	B270
HL-1258	367.78	178	28.43	4	174.33	0	PYREX
HL-1192	500.95	178	20	4.42	262	0	B270
HL-560	250	200	50.5	3.05	129.1	0	K9
HL-1368	284.8	200	46.8	2.5	135	0	PYREX
HL-1321	333	200	40.72	5	157.84	0	PYREX
HL-437	338.46	200	38	3.72	163	0	BOROSI
HL-562	343.88	200	37.8	3.5	163	0	PYREX
HL-1408	320	200	37.2	4	167.36	0	B270
HL-832	364.67	200	35.6	4	174.31	0	PYREX
HL-525	337.61	200	34.5	3	174.33	0	K9
HL-438	340.79	200	34.2	3	175.85	0	K9
HL-1059	340.3	200	34.3	3.6	178	0	B270
HL-1383	344	200	32.3	2	180	0	B270
HL-1350	380	200	30	3	198.75	0	B270
HL-1491	412.9	200	28.6	4	216	0	B270
HL-497	440.58	200	24.8	1.64	227.5	0	K9
HL-1083	496.8	200	23.5	3.5	259.84	0	B270
HL-451	500	200	22.88	3	261.5	0	B270
HL-1198	501	200	23.5	3.67	262	0	B270
HL-605	520	200	24.32	5	268.52	0	K9
HL-1031	520.1	200	22.55	3.5	272	0	B270
HL-714	592	200	20.82	4	305.69	0	K10
HL-656	611.5	200	20.3	4	315.8	0	K9
HL-657	662.4	200	19	4	342	0	K9
HL-1007	662.4	200	18.25	3.5	346.456	0	B270

Part No	Focal Length mm	Diameter mm	Centre Thickness mm	Edge Thickness mm	R1 mm	R2 mm	Material
HL-1436	666.67	200	18.7	4	348.67	0	B270
HL-1196	669.2	200	19	4.41	350	0	B270
HL-1435	1000	200	13.7	4	523	0	B270
HL-1061	413	203	28.2	2.9	216	0	B270
HL-1062	468.4	203	24.6	2.6	245	0	B270
HL-276	520	203	22.2	2.55	272	0	B270
HL-1063	520	203	22.2	2.6	272	0	B270
HL-1330	520	203	22.5	2.85	272	0	B270
HL-1082	662.4	203	18.87	3.67	346.456	0	B270
HL-1473	330.6	203.2	40.5	3	156.42	0	PYREX
HL-1486	426.6	203.2	30	2.6	202.2084	0	PYREX
HL-851	-1219.2	203.2	23.57	25.4	2438.4	0	PYREX
HL-313	331.92	220	48.8	3.82	157	0	DURAN
HL-314	300	220	48.8	3.82	157	0	B270
HL-315	300.2	230	53	2.88	157	0	B270
HL-1046	320.8	230	48.6	3	167.82	0	B270
HL-316	360	230	42	2.73	188	0	B270
HL-318	390	230	38	2.5	204	0	B270
HL-317	507.4	230	32	3	242.5	0	PYREX
HL-606	520	230	30.87	5	268.52	0	K9
HL-498	570.33	230	25.5	2.1	294.5	0	K9
HL-554	600	230	26.2	4	310	0	K9
HL-1438	666.67	230	23.8	4.2	348.67	0	B270
HL-511	811.63	230	21.1	5	419.1	0	K9
HL-1437	1000	230	17	4.2	523	0	B270
HL-978	1200	230	15.6	5	627.6	0	B270
HL-1187	458.89	250	39.3	4.2	240	0	B270
HL-1221	500	250	35	3.1	261.5	0	B270
HL-1084	568.2	253	32.3	4	297.18	0	B270
HL-1087	994	253	19.7	4	519.9	0	B270
HL-275	633.3	254	31.2	3.5	305	0	B270
HL-686	1025.8	254	20	4.55	529.71	0	K9
HL-319	666.67	255	29.15	5	348.67	0	B270
HL-1085	994.1	279	23.1	4	519.938	0	B270
HL-940	917.92	279.4	23.75	3	480.07	0	B270
HL-920	929.57	279.4	24.78	4.3	486.17	0	B270
HL-1367	498.9	290	53	3.3	236.5	0	PYREX
HL-545	666.67	300	39	5	348.67	0	K9
HL-1337	1172.2	320	26	4.5	605.3	0	K9
HL-1148	916.3	350	39	5.45	473.15	0	K9
HL-159	205	65*65	9.5	4	99.31	0	PYREX