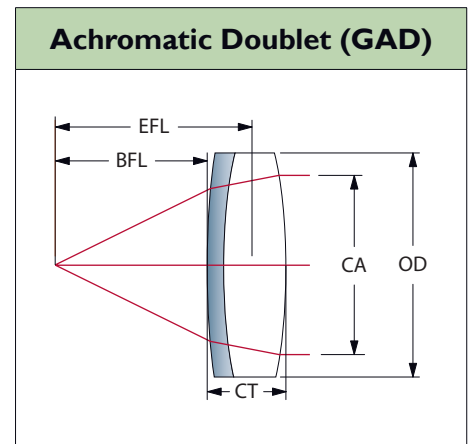
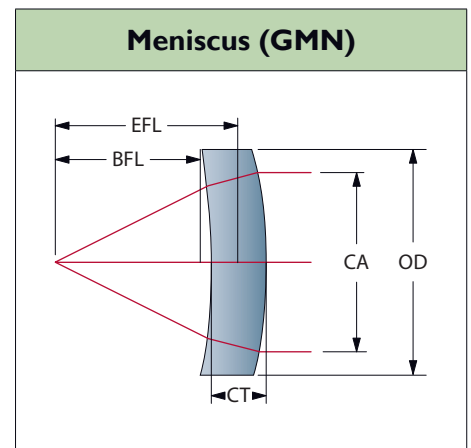
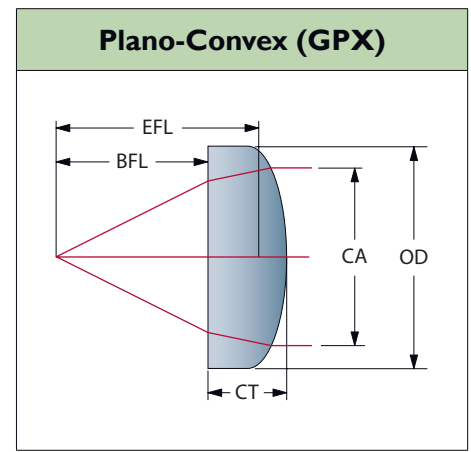


		Lens Code	Outer Diameter (mm)	Clear Aperture (mm)	F/#	Effective Focal Length (mm)	Center Thickness (mm)	Back Focal Length (mm)	
Standard GRADIUM® Lenses	Plano-Convex	GPX-5-5	5.00	4.00	1.0	5.0	2.9	3.09	
		GPX5-10	5.00	4.50	2.2	10.0	3.0	8.23	
		GPX6.3-6.19	6.30	5.67	1.0	6.19	2.6	4.65	
		GPX10-10	10.00	9.00	1.1	10.0	3.0	8.00	
		GPX10-12.5	10.00	9.00	1.4	12.5	3.0	10.68	
		GPX10-18	10.00	9.00	2.0	18.0	2.5	16.52	
		GPX10-22	10.00	9.00	2.5	22.0	2.5	20.54	
		GPX10-25	10.00	9.00	2.8	25.0	2.5	23.55	
		GPX10-30	10.00	9.00	3.3	30.0	2.5	28.53	
		GPX15-15	15.00	13.00	1.1	15.0	4.2	12.24	
		GPX15-25	15.00	13.50	1.8	24.14	3.0	22.42	
		GPX15-40	15.00	13.00	3.0	40.0	2.0	38.83	
		GPX20-60	20.00	18.00	3.3	60.0	6.0	56.49	
		GPX25-60	25.00	22.00	2.6	60.0	6.0	56.46	
		GPX25-80	25.00	22.00	3.5	80.0	4.0	77.69	
		GPX30-60	30.00	27.00	2.2	60.0	6.0	56.44	
		GPX30-70	30.00	27.00	2.6	70.0	6.0	66.47	
		GPX40-80	40.00	36.00	2.2	80.0	6.0	76.47	
		GPX50-100	50.00	45.00	2.2	100.0	8.0	94.90	
		GPX50-125	50.00	45.00	2.8	125.0	8.0	120.37	
GPX50-160	50.00	45.00	3.6	160.0	8.0	155.25			
GPX80-125	80.00	72.00	1.7	125.0	12.25	116.91			
Bi-Convex	GBX30-40	30.00	27.00	1.5	40.0	5.76	36.72		
	GBX50-80	50.00	45.00	1.8	80.0	8.0	75.46		
Available GRADIUM® Lenses*	Plano-Convex	GPX5-12.5	5.00	4.00	2.8	12.5	2.0	11.30	
		GPX6.35-12.5	6.35	5.715	2.2	12.5	2.0	11.31	
		GPX10-40	10.00	9.00	4.5	40.0	2.0	38.84	
		GPX12.5-35	12.50	11.25	3.0	33.49	3.0	31.74	
		GPX20-50	20.00	18.00	2.8	50.0	3.0	48.24	
		GPX25-40	25.00	22.50	1.8	40.08	6.0	36.55	
		GPX25-50	25.00	22.50	2.2	50.16	6.0	46.62	
		GPX25-125	25.00	22.50	5.6	125.0	6.0	121.50	
		GPX27-70	27.00	24.30	2.8	66.63	6.0	63.13	
		GPX27.82-65	27.82	25.038	2.6	63.97	6.0	60.47	
		GPX27-100	27.00	24.30	4.0	96.46	6.0	93.02	
		GPX30-80	30.00	27.00	3.0	80.0	4.0	77.68	
		GPX30-100	30.00	27.00	3.7	100.0	6.0	96.53	
		GPX40-100	40.00	36.00	2.8	100.0	6.0	96.56	
		GPX40-125	40.00	36.00	3.5	125.0	6.0	121.52	
		GPX40-150	40.00	36.00	4.2	150.0	6.0	146.49	
		GPX50-150	50.00	45.00	3.3	150.0	8.0	145.25	
		GPX50-200	50.00	45.00	4.5	200.0	8.0	195.27	
		Bi-Convex	GBX20-40	20.00	18.00	2.2	40.0	4.6	37.54
			GBX25-40	25.00	22.00	1.8	40.0	4.6	37.51
	GBX30-50		30.00	27.00	1.84	49.97	5.0	47.50	
	GBX80-255		80.00	72.00	3.38	241.37	10.0	236.83	
	Achromat	GAD5-15	5.00	4.00	3.3	15.0	4.0	13.07	
		GAD10-20	10.00	9.00	2.2	20.0	6.0	17.17	
		GAD25-50	25.00	22.00	2.2	50.0	11.0	44.37	
	ME	GMN30-50	30.00	27.00	1.9	50.0	5.0	46.82	



\*Additional charges and longer lead time may apply for these designs.