

X-Cel Optical 2014 Lens Technical Data

Polycarbonate Clear Lenses

Aspire™ Aspheric SFSV

Diam.	Nominal	True	Sag.	C.T.	E.T.	Back	Rx Range
75mm	0.50	0.68	0.400	8.7	16.0	-6.25	-7.75 to -10.00
75mm	1.50	1.59	0.940	9.8	16.0	-6.25	-4.75 to -7.50
75mm	2.50	2.48	1.470	8.9	14.0	-6.25	-3.00 to -4.50
75mm	3.50	3.38	2.010	8.0	12.0	-6.25	-0.00 to -2.75
75mm	4.25	4.28	2.550	7.1	10.0	-6.25	+0.25 to +2.00
75mm	5.25	5.59	3.360	6.7	8.0	-6.25	+2.25 to +3.25
75mm	6.25	6.64	4.020	7.7	8.0	-6.25	+3.50 to +4.25
75mm	7.25	7.59	4.630	8.9	8.0	-6.25	+4.50 to +5.25
75mm	8.25	8.53	5.250	10.2	8.0	-6.25	+5.50 to +8.50

Spherical SFSV

Diam.	Nominal	True	Sag.	C.T.	E.T.	Back	Rx Range
75mm	0.50	0.45	0.270	9.8	18.0	-6.25	-9.25 to 12.00
75mm	1.25	1.13	0.670	10.2	17.0	-6.25	-6.25 to -9.00
75mm	2.25	2.03	1.200	8.0	13.6	-6.25	-4.50 to -6.00
75mm	3.25	2.94	1.740	9.2	13.0	-6.25	-2.25 to -4.25
75mm	4.25	4.07	2.420	8.8	11.6	-6.25	-0.25 to -2.00
75mm	5.25	5.20	3.110	8.6	10.0	-6.25	0.00 to +2.00
75mm	6.25	6.33	3.820	8.1	8.0	-6.25	+2.25 to +4.00
75mm	7.25	7.46	4.540	9.0	7.0	-6.25	+4.25 to +6.00
75mm	8.25	8.60	5.290	10.0	6.5	-6.25	+6.25 to +8.00
75mm	9.25	9.73	6.080	10.0	6.5	-6.25	+8.25 to +10.00

Freedom^{ID} Progressive

Diam.	Nominal	True	Sag.	C.T.	E.T.	Back	Rx Range
80mm	1.50	1.51	0.891	11.0	11.0	-2.00	-7.00 to -4.75
80mm	3.25	3.40	2.018	9.4	9.5	-3.00	-4.50 to -2.25
80mm	5.25	5.38	3.225	7.4	7.3	-5.50	-2.00 to +2.00
80mm	7.25	7.33	4.459	10.9	10.1	-7.50	+2.25 to +5.00

Segment Location: 2.5 In/4 Dn

17mm Fitting Height

Flat Top 28mm Bifocal

Diam.	Nominal	True	Sag.	C.T.	E.T.	Back	Rx Range
74mm	0.50	0.58	0.340	10.5	18.0	-5.75	-12.00 to -10.50
74mm	2.25	2.27	1.340	9.5	15.5	-5.75	-10.25 to 5.50
74mm	4.25	4.50	2.680	8.5	10.5	-5.75	-5.25 to -2.00
74mm	6.25	6.22	3.750	7.0	11.0	-8.00	-1.75 to +2.00
74mm	8.25	7.98	4.890	10.0	10.0	-8.00	+2.25 to -6.00

Segment Location: 6 In/6 Dn