

X-Cel Optical 2014 Lens Technical Data

High-X™ 1.55 Clear Lenses

The Information For Curves and Thickness Applies To All Sizes & Styles

Diam.	Nominal	True	Sag.	C.T.	E.T.	Back	Rx Range
75mm	-4.25	-4.64	-2.769	13.5	18.2	0.00	-20.00 to -15.25
75mm	-3.25	-3.30	-1.958	15.2	18.2	0.00	-18.00 to -11.00
75mm	-2.25	-2.37	-1.402	16.7	18.2	0.00	-15.00 to -11.00
75mm	0.50	0.64	0.377	11.0	18.2	-6.33	-10.75 to -7.25
75mm	2.25	2.37	1.402	12.8	18.2	-6.33	-7.00 to -4.50
75mm	4.25	4.40	2.623	10.0	12.2	-6.33	-4.25 to -2.25
81mm	4.25	4.40	2.623	10.7	13.6	-6.33	-4.25 to -2.25
75 & 81mm	6.25	6.32	3.813	8.5	8.6	-6.33	-2.00 to +2.00
75 & 81mm	8.25	8.36	5.137	12.0	8.6	-6.33	+2.25 to +5.00
71mm	10.25	10.41	6.561	15.0	8.6	-6.33	+5.25 to +8.00
71mm	12.25	12.41	8.082	18.5	8.6	-6.33	+8.25 to 13.00

Segment Locations are:

75mm D-28 -3.25 Base 2 In / 5Dn	75mm D-35 2.25 Base 5 In/7Dn
75mm D28 0.50 to 8.25 Base 5 In/7Dn	81mm D-35 4.25 to 8.25 Base 6 In/5.5 Dn
71mm D-28 10 & 12 Base 5 In/5 Dn	75mm 8X35 2.25 Base 5 In/3 Dn
75mm 7X28 0.50 to 8.25 Base 5 In/4 Dn	81mm 8X35 4.25 to 8.25 Base 6 In/2.5 Dn
71mm 7X28 10 base 5 In/2 Dn	

Thick High-X 1.55 Technical Data For All Styles

Diam.	Nominal	True	Sag.	C.T.	E.T.	Back	Rx Range
75mm	0.50	0.64	0.377	18.7	18.2	-0.00	-10.75 to -7.25
75mm	2.25	2.37	1.402	22.2	18.2	-0.00	-7.00 to -4.50
75mm	4.25	4.40	2.623	13.8	16.7	-6.33	-4.25 to -2.25
75mm	6.25	6.32	3.813	12.1	12.2	-6.33	-2.00 to +2.00
75mm	8.25	8.36	5.137	15.7	12.2	-6.33	+2.25 to +5.00
71mm	10.25	10.41	6.561	18.7	12.2	-6.33	+5.25 to +8.00
81mm	6.25	6.32	3.813	12.1	12.2	-6.33	-2.00 to +2.00
81mm	8.25	8.36	5.137	16.3	12.2	-6.33	+2.25 to +5.00

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Thick High-X 1.55 Lens Options

Center / Edge Thickness For Thick Lens Options:
Applies to all available styles

Availability: SFSV, D28, 7X28, and D35 & 8X35 2 Base only

75mm Plano Back Option \$15.00 Add-On

		C.T.	E.T.	Back Curve
75mm	0.50 Base	18.7	18.2	Plano Back
75mm	2.25 Base	22.2	18.2	Plano Back

Availability: SFSV, D28, 7X28

71/75mm Thick Option \$15.00 Add-On

		C.T.	E.T.	Back Curve
75mm	4.25 Base	13.8	16.7	-6.33
75mm	6.25 Base	12.1	12.2	-6.33
75mm	8.25 Base	15.7	12.2	-6.33
71mm	10.25 Base	18.7	12.2	-6.33

Availability: D35 & 8X35 Only

81mm Thick Option \$15.00 Add-On

		C.T.	E.T.	Back Curve
81mm	6.25 Base	12.1	12.2	-6.33
81mm	8.25 Base	16.3	12.2	-6.33