



**1.66 / 1.67 High Index
1.67 High Index Transitions® VI
Polycarbonate
Polycarbonate Transitions VI
Spectralite®
Spectralite Velocity™ Transitions
Transitions VI Brown
Transitions VI Gray
Hard Resin
Glass**

138-006 11/2011



SOLA SPECS TABLE OF CONTENTS

LENS MATERIAL SPECIFICATION SHEET 1.1

- Materials
- Refractive Index
- Abbe Value
- UV Protection
- Specific Gravity
- Photochromic Luminous Transmittance

1.67 Semi-Finished Lens Parameters

SOLAOne Progressive in 1.67 High Index & 1.67 High Index Transitions VI2.1

SOLA Compact Ultra Progressive in 1.67 High Index & 1.67 High Index Transitions VI2.2

Synchrony Progressive in 1.67 High Index & 1.67 High Index Transitions VI.....2.3

Instinctive Progressive in 1.67 High Index & 1.67 High Index Transitions VI2.4

ASL Aspheric SV in 1.67 High Index & 1.67 High Index Trans VI & XTRActive2.5

Polycarbonate Semi-Finished Lens Parameters

SOLAOne Progressive in Polycarbonate, Poly Transitions VI & Poly NuPolar 3.1

SOLA Compact Ultra Progressive in Polycarbonate & Polycarbonate Transitions VI..... 3.2

SOLAMAX Progressive in Polycarbonate & Polycarbonate Transitions VI 3.3

Synchrony Progressive in Polycarbonate & Polycarbonate Transitions VI 3.4

Instinctive Progressive in Polycarbonate & Polycarbonate Transitions VI..... 3.5

VIP Progressive in Polycarbonate and VIP*Gold* in Polycarbonate Transitions VI 3.6

ACCESS Computer Lens in Polycarbonate3.7

Continuum Computer Lens in Polycarbonate3.8

ASL Aspheric SV in Polycarbonate and Polycarbonate Trans VI & XTRActive3.9

Spherical Single Vision + in Polycarbonate 3.10

Spherical Single Vision in Polycarbonate 3.11

Spherical Single Vision in Polycarbonate NuPolar 3.12

Spherical Flat-Top 28 in Polycarbonate 3.13

Spectralite Semi-Finished Lens Parameters

SOLAMAX Progressive in Spectralite & Spectralite Velocity Transitions4.1

VIP*Gold* Progressive in Spectralite & Spectralite Velocity Transitions.....4.2

Continuum Aspheric Single Vision Computer Lens4.3

ASL Aspheric Single Vision in Spectralite & Spectralite Velocity Transitions.....4.4

ASL+ Aspheric Single Vision in Spectralite4.5

ASL Aspheric Flat-Top 28 in Spectralite & Spectralite Velocity Transitions.....4.6

HARD RESIN Semi-Finished Lens Parameters

SOLAOne Progressive in Hard Resin and Transitions VI 5.1
SOLA Compact Ultra Progressive in Hard Resin and Transitions VI 5.2
SOLAMAX Progressive in Hard Resin and Transitions VI 5.3
Synchrony Progressive in Hard Resin and Transitions VI 5.4
Instinctive Progressive in Hard Resin and Transitions VI 5.5
VIP and VIP Decentered Progressive in Hard Resin and Transitions VI 5.6
Access Computer Lens in Hard Resin 5.7
Single Vision in Hard Resin 5.8
Single Vision in Transitions VI 5.9
Flat-Top 25 and Flat-Top 28 Bifocals in Hard Resin 5.10
Flat-Top 28 and Flat-Top 35 Bifocals in Transitions VI 5.11
Flat-Top 35 Bifocals in Hard Resin 5.12
Round Segment and EZ2Vue 28 Bifocals in Hard Resin 5.13
E-Line (Executive) Bifocal in Hard Resin 5.14
Flat-Top Trifocal and E-Line Trifocal in Hard Resin 5.15
Flat-Top Trifocal in Transitions VI 5.16

GLASS Semi-Finished Lens Parameters

VIP Progressive in Glass 6.1
Single Vision in Glass 6.2
Flat-Top 28 and Flat-Top 35 Bifocal in Glass 6.3
Flat-Top 7x28 and Flat-Top 7x35 Trifocal in Glass 6.4
Glass Flat-Top Segment Thickness Chart 6.5

1.66 Finished Lens Parameters

Aspheric Single Vision with Teflon [®] Clear Coat or Hard Coated, 65mm.....	7.1
Aspheric Single Vision with Teflon [®] Clear Coat or Hard Coated, 70mm.....	7.2
Aspheric Single Vision with Teflon [®] Clear Coat or Hard Coated, 75mm	7.3

POLYCARBONATE Finished Lens Parameters

Teflon [®] Clear Coat Lens Coating Single Vision, 65mm and 70mm	8.1
UTMC AR Coating Single Vision, 67 Aspheric and 72mm Spherical	8.2
Transitions VI Single Vision, 65 and 70mm Aspheric	8.3
Hard Coated Single Vision, 65 and 70mm Aspheric	8.4
Rugged Fashionwear Single Vision with PureCote, 73mm	8.5
Industrial 2mm Single Vision with Hard Coat 73mm Spherical	8.6

HARD RESIN Finished Lens Parameters

Teflon [®] Clear Coat Lens Coating Single Vision, 65mm and 70mm	9.1
S.H.M.C. AR Coated Single Vision, 65mm and 70mm	9.2
Uncoated Single Vision, 65mm	9.3
Perma-Gard and Uncoated Single Vision, 70mm	9.4
Perma-Gard and Uncoated Single Vision, 70mm (cont.).....	9.5
Perma-Gard and Uncoated Single Vision, 75mm	9.6
Transitions VI Single Vision Coated, 65mm and 70mm	9.7
SOLA-Gard (Industrial Thickness) Uncoated Single Vision, 70mm	9.8
Flat-Top 28 Bifocal Uncoated, 68mm	9.9
Blended 22 Bifocal Uncoated, 68mm	9.10
Plano Single Vision Uncoated, 71mm & 76mm.....	9.11

LENS MATERIAL SPECIFICATIONS

Material	Refractive Index	Abbe Value	UV Protection		Specific Gravity
			UV B (290-315nm)	UV A (315-380nm)	
1.67 MR-10 (Semi-Finished)	1.661	32	100%	100%	1.37 g/cm ³
1.66 MR-7 (Finished)	1.660	32	100%	100%	1.35 g/cm ³
Polycarbonate	1.586	30	100%	100%	1.20 g/cm ³
Polycarbonate Transitions	1.586	30	100%	100%	1.20 g/cm ³
Spectralite	1.537	47	100%	98%	1.21 g/cm ³
Spectralite Velocity Transitions	1.537	42	100%	100%	1.21 g/cm ³
CR-39 Hard Resin	1.499	58	100%	91%	1.32 g/cm ³
CR-607 Hard Resin Transitions	1.497	57	100%	100%	1.27 g/cm ³
Hard Resin Polarized	1.499	58	100%	99%	1.32 g/cm ³
Glass White	1.523	59	67%	99%	2.55 g/cm ³
Glass Photochromic Gray	1.523	57	98%	99%	2.41 g/cm ³

Photochromic Products Luminous Transmittance

	Unactivated	Activated	At Temp
1.67 High Index Transitions VI Brown	89%	15%	73 Degrees F
1.67 High Index Transitions VI Gray	89%	12%	73 Degrees F
CR-607 Hard Resin Transitions VI Brown	89%	15%	73 Degrees F
CR-607 Hard Resin Transitions VI Gray	89%	12%	73 Degrees F
Polycarbonate Transitions VI Brown	89%	15%	73 Degrees F
Polycarbonate Transitions VI Gray	89%	12%	73 Degrees F
Spectralite Velocity Transitions	87%	17%	75 Degrees F
Photochromic Gray Glass	89%	26%	73 Degrees F 2.0mm thick Chemtempered

**SOLA SEMI-FINISHED 1.67 HIGH INDEX
SOLAOne PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.		
1.67 High Index with Ultra-Tough										Cat. Code 637			
73	-9.00D to -5.25D	1.25	1.23	6.00	8.5	15.0	0.73	430.9	2.5	13.0	1.00 to 3.50		
78	-5.00D to -2.00D	2.75	2.76	6.00	7.5	12.5	1.63	129.0	2.5	13.0	1.00 to 3.50		
78	-1.75D to +1.25D	4.00	4.02	6.00	6.5	10.0	2.39	131.8	2.5	13.0	1.00 to 3.50		
78	+1.50D to +3.75D	5.75	5.79	6.00	7.5	8.0	3.48	91.5	2.5	13.0	1.00 to 3.50		
73	+4.00D to +6.00D	6.50	6.54	6.00	8.5	8.0	3.95	81.0	2.5	13.0	1.00 to 3.50		
73	+6.25D to +8.00D	7.50	7.54	6.00	9.5	8.0	4.60	70.3	2.5	13.0	1.00 to 3.50		
1.67 High Index Transitions VI with Ultra-Tough										Cat. Code T78 Gray		Cat. Code G35 Brown	
73	-9.00D to -5.25D	1.25	1.22	6.00	8.5	15.0	0.72	434.4	2.5	13.0	1.00 to 3.50		
78	-5.00D to -2.00D	2.75	2.75	6.00	7.5	12.5	1.63	192.7	2.5	13.0	1.00 to 3.50		
78	-1.75D to +1.25D	4.00	4.00	6.00	6.5	10.0	2.38	132.5	2.5	13.0	1.00 to 3.50		
78	+1.50D to +3.75D	5.75	5.78	6.00	7.5	8.0	3.47	91.7	2.5	13.0	1.00 to 3.50		
78	+4.00D to +6.00D	6.50	6.53	6.00	8.5	8.0	3.95	81.2	2.5	13.0	1.00 to 3.50		
73	+6.25D to +8.00D	7.50	7.54	6.00	9.5	8.0	4.60	70.3	2.5	13.0	1.00 to 3.50		

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the 1.67 High Index SOLAOne base curve selection charts.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED 1.67 HIGH INDEX
Compact Ultra PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.
1.67 High Index Compact Ultra with Ultra-Tough										Cat. Code 610	
73	-10.00D to -5.25D	1.00	1.33	6.00	9.0	15.5	0.79	398.5	3.0	9.5	0.75 to 3.50
	-5.00D to -0.75D	3.00	3.08	6.00	8.7	12.5	1.83	172.1	3.0	9.5	0.75 to 3.50
	-0.50D to +2.00D	5.00	4.93	6.00	7.0	9.0	2.95	107.5	3.0	9.5	0.75 to 3.50
	+2.25D to +3.50D	6.00	5.71	6.00	8.5	9.0	3.43	92.8	3.0	9.5	0.75 to 3.50
	+3.75D to +6.00D	7.00	6.72	6.00	9.0	8.5	4.07	78.9	3.0	9.5	0.75 to 3.50
1.67 High Index Transitions® VI Gray Compact Ultra with Ultra-Tough										Cat. Code T77	
73	-10.00D to -5.25D	1.00	1.33	6.00	9.0	15.5	0.79	398.5	3.0	9.5	0.75 to 3.50
	-5.00D to -0.75D	3.00	3.08	6.00	8.7	12.5	1.83	172.1	3.0	9.5	0.75 to 3.50
	-0.50D to +2.00D	5.00	4.93	6.00	7.0	9.0	2.95	107.5	3.0	9.5	0.75 to 3.50
	+2.25D to +3.50D	6.00	5.71	6.00	8.5	9.0	3.43	92.8	3.0	9.5	0.75 to 3.50
	+3.75D to +6.00D	7.00	6.72	6.00	9.0	8.5	4.07	78.9	3.0	9.5	0.75 to 3.50

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the 1.67 High Index Compact Ultra base curve selection charts.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED 1.67 HIGH INDEX
Synchrony PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.
1.67 High Index Synchrony with Ultra-Tough										Cat. Code 470	
73	-9.00D to -5.25D	1.25	1.23	6.00	8.5	15.0	0.73	430.9	2.5	13.0	1.00 to 3.50
78	-5.00D to -2.00D	2.75	2.76	6.00	7.5	12.5	1.63	129.0	2.5	13.0	1.00 to 3.50
78	-1.75D to +1.25D	4.00	4.02	6.00	6.5	10.0	2.39	131.8	2.5	13.0	1.00 to 3.50
78	+1.50D to +3.75D	5.75	5.79	6.00	7.5	8.0	3.48	91.5	2.5	13.0	1.00 to 3.50
73	+4.00D to +6.00D	6.50	6.54	6.00	8.5	8.0	3.95	81.0	2.5	13.0	1.00 to 3.50
73	+6.25D to +8.00D	7.50	7.54	6.00	9.5	8.0	4.60	70.3	2.5	13.0	1.00 to 3.50
1.67 High Index Transitions® VI Gray Synchrony with Ultra-Tough										Cat. Code T38	
73	-9.00D to -5.25D	1.25	1.22	6.00	8.5	15.0	0.72	434.4	2.5	13.0	1.00 to 3.50
78	-5.00D to -2.00D	2.75	2.75	6.00	7.5	12.5	1.63	192.7	2.5	13.0	1.00 to 3.50
78	-1.75D to +1.25D	4.00	4.00	6.00	6.5	10.0	2.38	132.5	2.5	13.0	1.00 to 3.50
78	+1.50D to +3.75D	5.75	5.78	6.00	7.5	8.0	3.47	91.7	2.5	13.0	1.00 to 3.50
73	+4.00D to +6.00D	6.50	6.53	6.00	8.5	8.0	3.95	81.2	2.5	13.0	1.00 to 3.50
73	+6.25D to +8.00D	7.50	7.54	6.00	9.5	8.0	4.60	70.3	2.5	13.0	1.00 to 3.50

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the 1.67 High Index Synchrony base curve selection charts.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED 1.67 HIGH INDEX
INSTINCTIVE PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.
1.67 High Index Instinctive with Scratch Coating										Cat. Code 923	
73	-10.00D to -5.25D	1.00	1.40	6.00	7.9	14.2	0.83	378.6	2.5	15.0	0.75 to 3.50
73	-5.00D to -0.75D	3.00	3.14	6.00	8.9	13.0	1.86	168.8	2.5	15.0	0.75 to 3.50
78	-0.50D to +2.00D	5.00	4.97	6.00	8.7	10.8	2.97	106.6	2.5	15.0	0.75 to 3.50
73	+2.25D to +3.50D	6.00	5.77	6.00	11.0	12.1	3.47	91.9	2.5	15.0	0.75 to 3.50
73	+3.75D to +6.00D	7.00	6.80	6.00	12.2	11.8	4.12	77.9	2.5	15.0	0.75 to 3.50
1.67 High Index Transitions[®] VI Gray Instinctive with Scratch Coating										Cat. Code T63	
73	-10.00D to -5.25D	1.00	1.40	6.00	7.9	14.2	0.83	378.6	2.5	15.0	0.75 to 3.50
73	-5.00D to -0.75D	3.00	3.14	6.00	8.9	13.0	1.86	168.8	2.5	15.0	0.75 to 3.50
78	-0.50D to +2.00D	5.00	4.97	6.00	8.7	10.8	2.97	106.6	2.5	15.0	0.75 to 3.50
73	+2.25D to +3.50D	6.00	5.77	6.00	11.0	12.1	3.47	91.9	2.5	15.0	0.75 to 3.50
73	+3.75D to +6.00D	7.00	6.80	6.00	12.2	11.8	4.12	77.9	2.5	15.0	0.75 to 3.50

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the 1.67 High Index Instinctive base curve selection charts.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED 1.67 HIGH INDEX
ASL ASPHERIC SINGLE VISION
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹		Nom. Curve	True Curve ²	Back Curve	Min. C.T.	Avg. E.T.	Sag @ 50mm ²	
1.67 High Index ASL with Ultra-Tough						Cat. Code 767			
73	-12.00D	to -8.00D	0.50	0.70	6.00	9.5	16.5	0.41	
	-7.75D	to -4.25D	1.25	1.21	6.00	6.8	13.0	0.71	
	-4.00D	to -0.75D	2.50	2.68	6.00	5.5	9.9	1.59	
	-0.50D	to +1.50D	3.25	2.94	6.00	6.0	10.2	1.74	
	+1.75D	to +3.00D	4.00	3.63	6.00	7.1	10.7	2.16	
	+3.25D	to +4.00D	5.25	5.03	6.00	8.5	10.3	3.01	
	+4.25D	to +5.00D	6.25	6.35	6.00	9.0	8.9	3.83	
	+5.25D	to +6.00D	7.25	7.37	6.00	10.3	8.7	4.49	
	+6.25D	to +7.00D	8.25	8.39	6.00	10.7	7.4	5.16	
	+7.25D	to +8.00D	9.25	9.41	6.00	12.0	7.0	5.85	
1.67 High Index Transitions VI ASL with Ultra-Tough						Cat. Code T60 Gray		Cat. Code G34 Brown	
73	-12.00D	to -8.00D	0.50	0.70	6.00	9.5	16.5	0.41	
	-7.75D	to -4.25D	1.25	1.21	6.00	6.8	13.0	0.71	
	-4.00D	to -0.75D	2.50	2.68	6.00	5.5	9.9	1.59	
	-0.50D	to +1.50D	3.25	2.93	6.00	6.0	10.2	1.74	
	+1.75D	to +3.00D	4.00	3.66	6.00	7.1	10.7	2.17	
	+3.25D	to +4.00D	5.25	5.03	6.00	8.5	10.3	3.01	
	+4.25D	to +5.00D	6.25	6.34	6.00	9.0	8.9	3.83	
	+5.25D	to +6.00D	7.25	7.35	6.00	10.3	8.7	4.47	
	+6.25D	to +7.00D	8.25	8.42	6.00	10.7	7.4	5.18	
	+7.25D	to +8.00D	9.25	9.41	6.00	12.0	7.0	5.85	
1.67 High Index Transitions XTRActive ASL with Ultra-Tough						Cat. Code B20			
73	-12.00D	to -8.00D	0.50	0.70	6.00	9.5	16.5	0.41	
	-7.75D	to -4.25D	1.25	1.21	6.00	6.8	13.0	0.71	
	-4.00D	to -0.75D	2.50	2.68	6.00	5.5	9.9	1.59	
	-0.50D	to +1.50D	3.25	2.93	6.00	6.0	10.2	1.74	
	+1.75D	to +3.00D	4.00	3.66	6.00	7.1	10.7	2.17	
	+3.25D	to +4.00D	5.25	5.03	6.00	8.5	10.3	3.01	
	+4.25D	to +5.00D	6.25	6.34	6.00	9.0	8.9	3.83	
	+5.25D	to +6.00D	7.25	7.35	6.00	10.3	8.7	4.47	
	+6.25D	to +7.00D	8.25	8.42	6.00	10.7	7.4	5.18	
	+7.25D	to +8.00D	9.25	9.41	6.00	12.0	7.0	5.85	

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the 1.67 High Index ASL base curve selection chart.

²Use True Curve and Sag values for power only and not for thickness calculations.

1.67 High Index Released 12/05
1.67 Transitions VI Gray Released 1/08
1.67 Transitions XTRActive Released 12/10

**SOLA SEMI-FINISHED POLYCARBONATE
SOLAOne PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.
Polycarbonate SOLAOne with Ultra-Tough								Cat. Code 270			
75	-9.00D to -5.25D	1.25	1.28	5.75	11.0	17.0	0.76	414.1	2.5	13.0	1.00 to 3.00
	-5.00D to -2.00D	3.25	3.22	5.75	10.0	13.5	1.91	164.6	2.5	13.0	1.00 to 3.00
	-1.75D to +1.25D	4.50	4.51	5.75	8.0	10.0	2.69	117.5	2.5	13.0	1.00 to 3.00
	+1.50D to +3.75D	6.25	6.22	5.75	10.0	9.5	3.75	85.2	2.5	13.0	1.00 to 3.00
	+4.00D to +6.00D	7.00	7.00	5.75	10.0	8.5	4.25	75.7	2.5	13.0	1.00 to 3.00
Polycarbonate Transitions VI Gray SOLAOne with Ultra-Tough								Cat. Code T33			
72	-9.00D to -5.25D	1.25	1.28	5.75	11.0	16.5	0.76	414.1	2.5	13.0	1.00 to 3.00
	-5.00D to -2.00D	3.25	3.26	5.75	10.0	13.0	1.93	162.6	2.5	13.0	1.00 to 3.00
	-1.75D to +1.25D	4.50	4.49	5.75	8.0	9.5	2.68	118.0	2.5	13.0	1.00 to 3.00
	+1.50D to +3.75D	6.25	6.25	5.75	10.0	9.5	3.77	84.8	2.5	13.0	1.00 to 3.00
	+4.00D to +6.00D	7.00	7.01	5.75	10.0	8.5	4.25	75.6	2.5	13.0	1.00 to 3.00
Polycarbonate NuPolar[®] SOLAOne with Ultra-Tough								Cat. Code 807 Gray		Cat. Code 946 Brown	
76	-9.00D to -5.25D	1.25	1.27	4.25	10.3	14.2	0.75	417.3	2.5	13.0	1.00 to 3.00
	-5.00D to -2.00D	3.25	3.26	5.75	10.7	13.4	1.93	162.6	2.5	13.0	1.00 to 3.00
	-1.75D to +1.25D	4.50	4.48	5.75	8.2	9.7	2.67	118.3	2.5	13.0	1.00 to 3.00
	+1.50D to +3.75D	6.25	6.26	6.15	11.0	9.7	3.78	84.7	2.5	13.0	1.00 to 3.00
	+4.00D to +6.00D	7.00	7.01	7.69	8.7	9.8	4.25	75.6	2.5	13.0	1.00 to 3.00

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Polycarbonate SOLAOne base curve selection charts.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED POLYCARBONATE
Compact Ultra PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.
Polycarbonate Compact Ultra with Ultra-Tough										Cat. Code 473	
72	-9.00D to -5.25D	1.50	1.62	5.75	7.8	13.4	0.96	327.2	3.0	9.5	1.00 to 3.00
	-5.00D to -0.75D	3.50	3.55	5.75	7.7	10.5	2.11	149.3	3.0	9.5	1.00 to 3.00
	-0.50D to +2.00D	5.50	5.32	5.75	8.3	8.6	3.19	99.6	3.0	9.5	1.00 to 3.00
	+2.25D to +5.00D	7.50	7.43	8.00	11.0	11.3	4.52	71.3	3.0	9.5	1.00 to 3.00
Polycarbonate Transitions® VI Compact Ultra with Ultra-Tough										Cat. Code T43 Gray	
										Cat. Code T61 Brown	
72	-9.00D to -5.25D	1.50	1.57	5.75	7.8	13.4	0.93	337.6	3.0	9.5	1.00 to 3.00
	-5.00D to -0.75D	3.50	3.57	5.75	7.7	10.5	2.12	148.5	3.0	9.5	1.00 to 3.00
	-0.50D to +2.00D	5.50	5.32	5.75	8.3	8.6	3.19	99.6	3.0	9.5	1.00 to 3.00
	+2.25D to +5.00D	7.50	7.43	8.00	11.0	11.3	4.52	71.3	3.0	9.5	1.00 to 3.00

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Polycarbonate Compact Ultra base curve selection charts.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED POLYCARBONATE
SOLAMAX PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range¹	Nom. Curve	True Curve²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm²	Radius	Seg Inset	Seg Drop	Add Avail.
Polycarbonate SOLAMAX with Ultra-Tough								Cat. Code 431			
75	-10.00D to -4.75D	1.00	1.02	5.75	10.8	18.6	0.60	517	2.5	13.0	1.00 to 3.00
	-4.50D to -2.25D	2.50	2.52	5.75	10.8	16.3	1.49	210	2.5	13.0	1.00 to 3.00
	-2.00D to +1.50D	4.50	4.52	5.75	10.0	12.2	2.70	117	2.5	13.0	1.00 to 3.00
	+1.75D to +4.00D	6.00	6.26	5.75	11.0	10.0	3.78	84.7	2.5	13.0	1.00 to 3.00
	+4.25D to +6.00D	7.50	7.55	8.00	10.3	11.0	4.60	70.2	2.5	13.0	1.00 to 3.00
Polycarbonate Transitions VI Gray SOLAMAX with Ultra-Tough								Cat. Code T71			
72	-10.00D to -4.75D	1.00	1.05	5.75	11.2	16.9	0.62	505	2.5	13.0	1.00 to 3.00
	-4.50D to -2.25D	2.50	2.53	5.75	11.3	15.4	1.50	209	2.5	13.0	1.00 to 3.00
	-2.00D to +1.50D	4.50	4.53	5.75	9.8	11.8	2.70	117	2.5	13.0	1.00 to 3.00
	+1.75D to +4.00D	6.00	6.25	5.75	11.0	11.0	3.77	84.8	2.5	13.0	1.00 to 3.00
	+4.25D to +6.00D	7.50	7.56	8.00	10.3	11.0	4.61	70.1	2.5	13.0	1.00 to 3.00

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Polycarbonate SOLAMAX base curve selection charts.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED POLYCARBONATE
SYNCHRONY PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.
Polycarbonate Synchrony with Ultra-Tough								Cat. Code 764			
75	-9.00D to -5.25D	1.25	1.28	5.75	11.0	17.0	0.76	414.1	2.5	13.0	1.00 to 3.00
	-5.00D to -2.00D	3.25	3.22	5.75	10.0	13.5	1.91	164.6	2.5	13.0	1.00 to 3.00
	-1.75D to +1.25D	4.50	4.51	5.75	8.0	10.0	2.69	117.5	2.5	13.0	1.00 to 3.00
	+1.50D to +3.75D	6.25	6.22	5.75	10.0	9.5	3.75	85.2	2.5	13.0	1.00 to 3.00
	+4.00D to +6.00D	7.00	7.00	8.00	8.7	10.8	4.25	75.7	2.5	13.0	1.00 to 3.00

Polycarbonate Transitions VI Gray Synchrony with Ultra-Tough								Cat. Code T16			
72	-9.00D to -5.25D	1.25	1.28	5.75	11.0	16.5	0.76	414.1	2.5	13.0	1.00 to 3.00
	-5.00D to -2.00D	3.25	3.26	5.75	10.0	13.0	1.93	162.6	2.5	13.0	1.00 to 3.00
	-1.75D to +1.25D	4.50	4.49	5.75	8.0	9.5	2.68	118.0	2.5	13.0	1.00 to 3.00
	+1.50D to +3.75D	6.25	6.25	5.75	10.0	9.5	3.77	84.8	2.5	13.0	1.00 to 3.00
	+4.00D to +6.00D	7.00	7.01	8.00	8.7	10.8	4.25	75.6	2.5	13.0	1.00 to 3.00

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Polycarbonate Synchrony base curve selection charts.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED POLYCARBONATE
INSTINCTIVE PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.
Polycarbonate Instinctive (Made in Mexico)								Cat. Code 130 - HC	Cat. Code 324 - PG		
75	-9.00D to -5.25D	1.50	1.57	5.75	7.8	13.1	0.93	337.6	2.5	15.0	1.00 to 3.50
	-5.00D to -0.75D	3.50	3.54	5.75	7.7	10.3	2.10	149.7	2.5	15.0	1.00 to 3.50
	-0.50D to +2.00D	5.50	5.42	5.75	8.3	8.2	3.25	97.8	2.5	15.0	1.00 to 3.50
	+2.25D to +5.00D	7.50	7.47	8.00	11.3	11.7	4.55	71.0	2.5	15.0	1.00 to 3.50
Polycarbonate Instinctive (Made in USA)								Cat. Code 343 - Coated			
76	-9.00D to -5.25D	1.50	1.57	6.24	7.8	14.0	0.93	337.6	2.5	15.0	1.00 to 3.00
	-5.00D to -0.75D	3.50	3.54	6.24	7.7	11.1	2.10	149.7	2.5	15.0	1.00 to 3.00
	-0.50D to +2.00D	5.50	5.42	6.24	8.3	8.8	3.25	97.8	2.5	15.0	1.00 to 3.00
73	+2.25D to +5.00D	7.50	7.47	6.12	11.3	11.3	4.55	71.0	2.5	15.0	1.00 to 3.00
Polycarbonate Transitions VI Gray Instinctive with Scratch Coating								Cat. Code T51			
72	-9.00D to -5.25D	1.50	1.62	5.75	7.6	12.5	0.96	327.2	2.5	15.0	1.00 to 3.00
	-5.00D to -0.75D	3.50	3.61	5.75	7.5	9.9	2.14	146.8	2.5	15.0	1.00 to 3.00
	-0.50D to +2.00D	5.50	5.47	5.75	8.1	7.9	3.28	96.9	2.5	15.0	1.00 to 3.00
	+2.25D to +5.00D	7.50	7.53	8.00	11.1	11.3	4.59	70.4	2.5	15.0	1.00 to 3.00

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Polycarbonate INSTINCTIVE base curve selection chart.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED POLYCARBONATE
VIP and VIP*Gold* PROGRESSIVES
LENS PARAMETERS**

Dia.	Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T. ⁴	Avg. E.T.	Sag @ 50mm ²	Seg Inset	Seg Drop	Add/Cyl Avail.
Polycarbonate VIP with Perma-Gard								Cat. Code 785		
80	-10.00D to -4.75D	2.00	2.19	5.75	10.7	17.6	1.29	2.5 IN	15 DN	1.00-3.00
	-4.50D to -2.25D	4.00	3.99	5.75	12.0	15.5	2.37	2.5 IN	15 DN	1.00-3.00
	-2.00D to +1.75D	6.00	5.79	8.00	12.4	16.7	3.48	2.5 IN	15 DN	1.00-3.00
	+2.00D to +4.50D	7.00	6.49	8.00	13.6	14.4	3.92	2.5 IN	15 DN	1.00-3.00

Polycarbonate VIP<i>Gold</i>³ Transitions VI Gray with Ultra-Tough								Cat. Code T75		
78	-10.00D to -4.75D	2.00	2.19	5.75	10.7	17.6	1.29	2.5 IN	15 DN	1.00-3.00
	-4.50D to -2.25D	4.00	3.98	5.75	12.0	15.5	2.37	2.5 IN	15 DN	1.00-3.00
	-2.00D to +1.75D	6.00	5.79	8.00	12.4	16.7	3.48	2.5 IN	15 DN	1.00-3.00
	+2.00D to +4.50D	7.00	6.45	8.00	13.6	14.4	3.90	2.5 IN	15 DN	1.00-3.00

SPECIAL LENS DATA: Polycarbonate VIP

Base Nom.	True Curve	Sag @ 20mm
2.00	2.19	0.21
4.00	3.99	0.38
6.00	5.79	0.55
7.00	6.49	0.61

SPECIAL LENS DATA: Polycarbonate Transitions VI Gray VIP*Gold*

Base Nom.	True Curve	Sag @ 20mm
2.00	2.19	0.21
4.00	3.98	0.38
6.00	5.79	0.55
7.00	6.45	0.61

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the polycarbonate VIP*Gold* base curve selection charts.

²Use True Curve and Sag values for power only and not for thickness calculations.

³Formerly called VIP

⁴CT Value listed is for thickest configuration (3.00 add). CT will reduce with lower adds.

VIP

Polycarbonate Released 1/91

**SOLA SEMI-FINISHED POLYCARBONATE
ACCESS ASPHERIC COMPUTER LENS
LENS PARAMETERS**

Dia.	Near Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Range
Polycarbonate Access with Perma-Gard							Cat. Code 578	
80	- 2.00D to +4.00D	5.00	4.95	5.80	10.7	13.7	2.96	0.75 & 1.25

¹Rx range based on sphere powers.

²Use True Curve and Sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED POLYCARBONATE
CONTINUUM ASPHERIC COMPUTER LENS
LENS PARAMETERS**

Dia.	Near Rx Range¹	Nom. Curve	True Curve²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm²	Radius	Range
Polycarbonate Continuum with Perma-Gard							Cat. Code 559		
76	- 2.00D to +4.50D	6.00	5.97	6.00	11.3	12.6	3.59	88.8	1.00

¹Rx range based on sphere powers.

²Use True Curve and Sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED POLYCARBONATE
ASL ASPHERIC SINGLE VISION
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹		Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²
Polycarbonate ASL			<i>Ultra-Tough Cat. Code 327</i>		<i>Perma-Gard Cat. Code 782</i>			
80	-10.00D	to -6.00D	1.00	1.07	5.80	10.7	17.8	0.63
	-5.75D	to -4.00D	2.00	1.99	5.80	10.7	16.5	1.18
	-3.75D	to -2.00D	3.00	2.88	5.80	10.7	15.3	1.71
	-1.75D	to 0.00D	3.75	3.77	5.80	10.7	13.9	2.24
	+0.25D	to +2.00D	4.75	4.72	5.80	10.7	12.6	2.82
	+2.25D	to +3.00D	5.75	5.59	5.80	10.7	11.2	3.36
	+3.25D	to +4.00D	6.50	6.44	8.00	9.5	12.8	3.89
	+4.25D	to +5.00D	7.25	7.24	8.00	10.4	12.2	4.40
	+5.25D	to +6.00D	8.00	8.09	8.00	11.7	11.9	4.96

Polycarbonate ASL Transitions with Ultra-Tough

	Cat. Code T74 Trans VI Gray		Cat. Code T64 Brown		Cat. Code B19 Trans XTRActive			
78	-10.00D	to -6.00D	1.00	1.08	5.80	10.7	17.8	0.64
	-5.75D	to -4.00D	2.00	2.00	5.80	10.7	16.5	1.18
	-3.75D	to -2.00D	3.00	2.89	5.80	10.7	15.3	1.71
	-1.75D	to 0.00D	3.75	3.78	5.80	10.7	13.9	2.25
	+0.25D	to +2.00D	4.75	4.73	5.80	10.7	12.6	2.83
	+2.25D	to +3.00D	5.75	5.60	5.80	10.7	11.2	3.36
	+3.25D	to +4.00D	6.50	6.45	8.00	9.5	12.8	3.90
	+4.25D	to +5.00D	7.25	7.26	8.00	10.4	12.2	4.41
	+5.25D	to +6.00D	8.00	8.11	8.00	11.7	11.9	4.97

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the polycarbonate ASL base curve selection chart.

²Use True Curve and Sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED POLYCARBONATE
SPHERICAL SINGLE VISION +
LENS PARAMETERS**

Dia.	Sphere Power Range ¹	Nominal Base	True Base	Back Curve	Radius	Avg. C.T.	Avg. E.T.	Sag @ 50mm	
	Polycarbonate Single Vision +	<i>Ultra-Tough</i> Cat. Code 424			Perma-Gard Cat. Code 232				
74	-14.00D to -11.75D	0.50	0.66	5.80	803.030	10.4	17.5	0.39	
	-11.50D to -9.50D	1.00	1.29	5.80	410.853	9.4	15.7	0.76	
	-9.25D to -7.25D	2.00	2.09	5.80	253.589	8.9	14.1	1.24	
	-7.00D to -5.00D	3.00	3.07	5.80	172.638	8.4	12.3	1.82	
	-4.75D to -3.25D	4.00	4.00	5.80	132.500	8.4	11.0	2.38	
	-3.00D to -1.75D	5.00	5.00	5.80	106.000	8.4	9.5	2.99	
	-1.50D to +1.25D	6.00	5.62	5.80	94.306	8.4	8.6	3.37	
	+1.50D to +3.00D	7.00	6.46	5.80	82.043	8.4	7.3	3.90	
	+3.25D to +7.00D	8.00	8.47	8.00	62.574	9.4	8.6	5.21	

¹Rx range based on sphere powers.
Please confirm base required for sphere-cylinder combinations
on the polycarbonate SV+ base curve selection chart.

**SOLA SEMI-FINISHED POLYCARBONATE
SPHERICAL SINGLE VISION
LENS PARAMETERS**

Dia.	Sphere Power Range ¹	Nominal Base	True Base	Back Curve	Radius	Avg. C.T.	Avg. E.T.	Sag @ 50mm	
Polycarbonate Single Vision with Perma-Gard						Cat. Code 791			
74	-12.00D to -10.75D	0.50	0.60	5.75	883.33	10.6	17.8	0.35	
	-10.50D to -6.00D	2.25	2.31	5.75	229.44	8.8	13.7	1.37	
	-5.75D to -2.00D	4.50	4.51	5.75	117.52	8.7	10.5	2.69	
	-1.75D to +2.00D	6.25	6.24	5.75	84.94	9.2	8.5	3.76	
	+2.25D to +6.00D	8.00	8.01	8.00	66.17	7.2	7.2	4.90	

¹Rx range based on sphere powers.
Please confirm base required for sphere-cylinder combinations
on the polycarbonate SV base curve selection chart.

**SOLA SEMI-FINISHED POLYCARBONATE
SPHERICAL SINGLE VISION NUPOLAR
LENS PARAMETERS**

Dia.	Sphere Power Range ¹	Nominal Base	True Base	Back Curve	Radius	Avg. C.T.	Avg. E.T.	Sag @ 50mm	
Polycarbonate Single Vision Gray 3 NuPolar[®] with Perma-Gard						Cat. Code 656			
76	-9.50D to -6.75D	0.50	0.53	4.25	1000.00	8.5	14.0	0.31	
	-6.50D to -4.25D	2.25	2.28	4.25	231.44	9.5	12.5	1.35	
	-4.00D to -1.50D	4.25	4.28	6.25	123.83	9.7	12.5	2.55	
	-1.25D to +2.00D	6.25	6.27	6.25	84.53	10.0	9.0	3.78	
	+2.25D to +6.00D	8.25	8.27	9.50	64.09	10.0	13.0	5.08	

¹Rx range based on sphere powers.

**SOLA SEMI-FINISHED POLYCARBONATE
SPHERICAL FLAT TOP 28
LENS PARAMETERS**

Usable Dia ²	Sphere Rx Range ¹	Nom. Curve	True Curve	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm	Radius	Seg Inset	Seg Drop	Add/Cyl Avail.
Polycarbonate Flat Top 28 with Perma-Gard									Cat. Code 398		
74	-13.00D to -10.50D	0.50	0.58	5.75	10.5	18.0	0.34	913.76	6.0 IN	6.0 DN	1.00 to 3.00
	-10.25D to -5.50D	2.25	2.27	5.75	9.5	15.5	1.34	233.48	6.0 IN	6.0 DN	1.00 to 3.00
	-5.25D to -2.00D	4.50	4.50	5.75	8.5	10.5	2.68	117.78	6.0 IN	6.0 DN	1.00 to 3.00
	-1.75D to +2.00D	6.25	6.22	8.00	7.3	11.0	3.75	85.21	6.0 IN	6.0 DN	1.00 to 3.00
	+2.25D to +6.00D	8.00	7.98	8.00	10.0	10.0	4.89	66.42	6.0 IN	6.0 DN	1.00 to 3.00

¹Rx range based on sphere powers.
Please confirm base required for sphere-cylinder combinations

²Blank Diameter is 80mm with lentic, Front Surface Diameter is 74mm

**SOLA SEMI-FINISHED SPECTRALITE
SOLAMAX PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.	
Spectralite SOLAMAX with Ultra-Tough								Cat. Code 430				
80	-8.00D to -4.75D	1.25	1.25	6.00	9.0	16.7	0.74	424	2.5	13.0	1.00 to 3.00	
80	-4.50D to -2.25D	3.00	2.77	6.00	11.0	14.5	1.64	191	2.5	13.0	1.00 to 3.00	
80	-2.00D to +1.50D	5.00	5.06	6.00	8.0	9.0	3.03	105	2.5	13.0	1.00 to 3.00	
80	+1.75D to +4.00D	6.50	6.46	6.00	11.0	9.0	3.90	82.0	2.5	13.0	1.00 to 3.00	
Spectralite Velocity Transitions Gray SOLAMAX with Perma-Gard								Cat. Code 435				
80	-8.00D to -4.75D	1.25	1.23	6.00	9.0	16.7	0.73	431	2.5	13.0	1.00 to 3.00	
80	-4.50D to -2.25D	3.00	2.77	6.00	11.0	14.5	1.64	191	2.5	13.0	1.00 to 3.00	
80	-2.00D to +1.50D	5.00	4.99	6.00	8.0	9.0	2.98	106	2.5	13.0	1.00 to 3.00	
80	+1.75D to +4.00D	6.50	6.48	6.00	11.0	9.0	3.91	81.8	2.5	13.0	1.00 to 3.00	

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Spectralite SOLAMAX base curve selection chart.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED SPECTRALITE
VIPGold PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Seg Inset	Seg Drop	Add/Cyl Avail.	
Spectralite VIPGold with Perma-Gard Plus								Cat Code 869			
75	-12.00D to -8.25D	0.50	0.61	3.00	15.8	18.4	0.36	2.5 IN	15 DN	0.75-3.00	
80	-8.00D to -4.25D	1.00	1.25	3.00	15.9	17.7	0.74	2.5 IN	15 DN	0.75-3.00	
	-4.00D to -2.00D	3.00	2.75	3.00	16.5	16.0	1.63	2.5 IN	15 DN	0.75-3.50	
	-1.75D to +2.00D	5.00	4.95	6.00	9.5	10.0	2.96	2.5 IN	15 DN	0.75-3.50	
	+2.25D to +4.00D	7.00	6.85	6.00	11.5	9.0	4.15	2.5 IN	15 DN	0.75-3.50	
75	+4.25D to +6.00D	7.75	7.70	6.00	11.7	8.7	4.70	2.5 IN	15 DN	0.75-3.50	
Spectralite Velocity Transitions Gray VIPGold with Perma-Gard								Cat. Code 441			
80	-8.00D to -4.25D	1.00	1.23	3.00	14.3	16.0	0.73	2.5 IN	15 DN	1.00-3.00	
	-4.00D to -2.00D	3.00	2.72	3.00	15.4	15.8	1.61	2.5 IN	15 DN	1.00-3.00	
	-1.75D to +2.00D	5.00	4.90	6.00	8.0	9.5	2.93	2.5 IN	15 DN	1.00-3.00	
	+2.25D to +4.00D	7.00	6.86	6.00	10.0	9.0	4.16	2.5 IN	15 DN	1.00-3.00	
75	+4.25D to +6.00D	7.75	7.67	6.00	12.0	8.0	4.68	2.5 IN	15 DN	1.00-3.00	

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Spectralite VIPGold base curve selection charts.

²Use True Curve and Sag values for power only and not for thickness calculations.

VIPGold
Spectralite Released 9/91
Spectralite Velocity Transitions Released 1/02
OLA Awards
1992 VIPGold "Best in Lens Design"
1990 Spectralite "Best in Lens Material"

**SOLA SEMI-FINISHED SPECTRALITE
CONTINUUM ASPHERIC COMPUTER LENS
LENS PARAMETERS**

Dia.	Near Rx Range¹	Nom. Curve	True Curve²	Back Curve	Min. C.T.	Avg. E.T.	Sag @ 50mm²	Radius	Range
Spectralite Continuum with Perma-Gard Plus							Cat. Code 865		
75	- 2.00D to +4.50	6.00	5.97	6.00	10.3	11.5	3.59	88.8	1.00

¹Rx range based on sphere powers.

²Use True Curve and Sag values for powers only and not for thickness calculations.

**SOLA SEMI-FINISHED SPECTRALITE
ASL ASPHERIC SINGLE VISION
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹		Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	
Spectralite ASL with Perma-Gard Plus						Cat. Code 750			
75	-12.00D	to	-8.25D	0.50	0.61	3.00	15.8	18.7	0.36
	-8.00D	to	-4.25D	1.00	1.25	3.00	16.5	18.4	0.74
80	-4.00D	to	-2.00D	3.00	2.75	3.00	14.2	14.0	1.63
	-1.75D	to	+2.00D	5.00	4.95	6.00	8.2	10.0	2.96
	+2.25D	to	+4.00D	7.00	6.85	6.00	10.9	9.0	4.15
	+4.25D	to	+6.00D	8.50	8.60	6.00	13.3	8.0	5.30

Spectralite Velocity Transitions Gray ASL with Perma-Gard									
Cat. Code 444									
75	-12.00D	to	-8.25D	0.50	0.62	3.00	15.5	18.0	0.37
	-8.00D	to	-4.25D	1.00	1.21	3.00	13.8	16.0	0.71
80	-4.00D	to	-0.75D	3.00	2.73	3.00	14.9	15.8	1.62
	-0.50D	to	+1.00D	3.25	2.87	3.00	10.0	10.5	1.70
	+1.25D	to	+2.50D	4.25	3.59	3.00	10.7	10.0	2.13
	+2.75D	to	+4.00D	5.25	5.01	6.00	7.5	9.5	3.00
	+4.25D	to	+5.00D	6.25	5.99	6.00	8.5	9.2	3.61
	+5.25D	to	+6.00D	7.25	6.83	6.00	9.5	9.2	4.14
	+6.25D	to	+8.00D	8.25	8.59	6.00	12.0	8.0	5.29

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Spectralite ASL base curve selection charts.

²Use True Curve and Sag values for power only and not for thickness calculations.

We recommend that you do not mix ASL and ASL+ lenses in the same pair.

ASL
Spectralite Released 1991
Spectralite Velocity Transitions Released 3/01
OLA Awards
1990 ASL "Best in Lens Design"
1990 Spectralite "Best in Lens Material"
1995 Spectralite Transitions "Best in Lens Material"

**SOLA SEMI-FINISHED SPECTRALITE
ASL+ ASPHERIC SINGLE VISION
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Base	True Curve ²	Back Curve	Min. C.T.	Avg. E.T.	Sag @ 50mm ²	
Spectralite ASL+ with Perma-Gard Plus					Cat.Code 749			
80	0.00D to +1.00D	3.25	2.97	3.00	9.0	10.5	1.76	
	+1.25D to +2.50D	4.25	3.67	3.00	9.0	10.0	2.18	
	+2.75D to +4.00D	5.25	5.05	6.00	7.0	9.5	3.03	
	+4.25D to +5.00D	6.25	5.99	6.00	8.0	9.0	3.61	
	+5.25D to +6.00D	7.25	6.86	6.00	9.0	9.0	4.16	
	+6.25D to +8.00D	8.25	8.57	6.00	11.0	8.0	5.28	
75	+8.25D to +9.00D	9.25	9.44	6.00	13.2	8.9	5.87	

¹Rx range based on sphere powers.
Please confirm base required for sphere-cylinder combinations
on the Spectralite ASL+ base curve selection chart.

²Use True Curve and Sag values for power only and not for thickness calculations.

We recommend that you do not mix ASL and ASL+ lenses in the same pair.

**SOLA SEMI-FINISHED SPECTRALITE
ASL ASPHERIC FLAT-TOP 28
LENS PARAMETERS**

Dia.	Sphere Rx Range¹	Nom. Curve	True Curve²	Back Curve	Min. C.T.	Avg. E.T.	Sag @ 50mm²	Seg Inset	Seg Drop	Add/Cyl Avail.
Spectralite ASL Flat Top 28 with Perma-Gard Plus								Cat. Code 480		
75	-12.00D to -8.25D	0.50	0.61	3.00	16.3	19.2	0.36	2 IN	3 DN	0.75-3.00
80	-8.00D to -4.25D	1.00	1.25	3.00	13.6	16.3	0.74	2 IN	3 DN	0.75-3.00
	-4.00D to -2.00D	3.00	2.75	3.00	15.2	15.8	1.63	2 IN	3 DN	0.75-3.00
	-1.75D to +2.00D	5.00	4.95	6.00	7.9	10.3	2.96	2 IN	3 DN	0.75-3.00
	+2.25D to +4.00D	7.00	6.85	6.00	10.5	9.6	4.15	2 IN	3 DN	0.75-3.00
	+4.25D to +6.00D	7.75	7.70	6.00	11.4	8.9	4.70	2 IN	3 DN	0.75-3.00
Spectralite Velocity Transitions Gray ASL Flat Top 28 with Perma-Gard								Cat. Code 443		
72	-12.00D to -8.25D	0.50	0.59	3.00	15.9	18.9	0.35	2 IN	3 DN	0.75-3.00
80	-8.00D to -4.25D	1.00	1.23	3.00	14.6	17.4	0.73	2 IN	3 DN	0.75-3.00
	-4.00D to -2.00D	3.00	2.76	3.00	16.2	16.6	1.63	2 IN	3 DN	0.75-3.00
	-1.75D to +2.00D	5.00	4.94	6.00	8.9	10.7	2.95	2 IN	3 DN	0.75-3.00
	+2.25D to +4.00D	7.00	6.83	6.00	11.5	10.0	4.14	2 IN	3 DN	0.75-3.00
	+4.25D to +6.00D	7.75	7.68	6.00	12.4	9.3	4.69	2 IN	3 DN	0.75-3.00

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Spectralite ASL FT base curve selection charts.

²Use True Curve and Sag values for power only and not for thickness calculations.

ASL FT 28
Spectralite Released 11/92
Spectralite Velocity Transitions Released 5/01
OLA Awards

1993 ASL Flat Top 28 "Best in Lens Design"
1990 Spectralite "Best in Lens Material"

**SOLA SEMI-FINISHED HARD RESIN
SOLAOne PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.	
Hard Resin SOLAOne				Ultra-Tough Cat. Code 275				UnCoated Cat. Code 375				
80	-9.00D to -5.25D	1.25	1.24	3.00	13.0	15.5	0.73	427.4	2.5	13.0	1.00 to 3.50	
	-5.00D to -2.00D	3.25	3.29	3.00	15.0	14.5	1.95	161.1	2.5	13.0	1.00 to 3.50	
	-1.75D to +1.25D	4.50	4.54	6.00	9.0	11.5	2.71	116.7	2.5	13.0	1.00 to 3.50	
	+1.50D to +3.75D	6.25	6.32	6.00	9.5	9.0	3.81	83.9	2.5	13.0	1.00 to 3.50	
	+4.00D to +6.00D	7.00	7.08	6.00	11.0	10.0	4.29	74.9	2.5	13.0	1.00 to 3.50	
CR-607 Hard Resin Transitions VI SOLAOne				Cat. Code T68 Gray				Cat. Code T25 Brown				
78	-9.00D to -5.25D	1.25	1.23	3.00	13.0	15.5	0.73	430.9	2.5	13.0	1.00 to 3.50	
	-5.00D to -2.00D	3.25	3.28	3.00	15.0	14.5	1.95	161.6	2.5	13.0	1.00 to 3.50	
	-1.75D to +1.25D	4.50	4.55	6.00	9.0	11.5	2.71	116.5	2.5	13.0	1.00 to 3.50	
	+1.50D to +3.75D	6.25	6.31	6.00	9.5	9.0	3.81	84.0	2.5	13.0	1.00 to 3.50	
	+4.00D to +6.00D	7.00	7.06	6.00	11.0	10.0	4.29	75.1	2.5	13.0	1.00 to 3.50	

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Hard Resin SOLAOne base curve selection charts.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED HARD RESIN
Compact Ultra PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.	
Hard Resin Compact Ultra				<i>Ultra-Tough Cat. Code 558</i>				<i>Uncoated Cat. Code 474</i>				
72	-9.00D to -5.25D	1.50	1.59	3.00	12.5	14.0	0.94	333.3	3.0	9.5	0.75 to 3.50	
	-5.00D to -0.75D	3.50	3.46	6.00	10.5	13.0	2.05	153.2	3.0	9.5	0.75 to 3.50	
	-0.50D to +2.00D	5.50	5.34	6.00	10.3	10.5	3.20	99.3	3.0	9.5	0.75 to 3.50	
	+2.25D to +5.00D	7.50	7.41	6.00	14.5	11.5	4.51	71.5	3.0	9.5	0.75 to 3.50	
CR-607 Hard Resin Transitions VI Compact Ultra with Ultra-Tough								<i>Cat. Code T42 Gray</i>				
								<i>Cat. Code T81 Brown</i>				
72	-9.00D to -5.25D	1.50	1.61	3.00	12.5	14.0	0.95	329.2	3.0	9.5	0.75 to 3.50	
	-5.00D to -0.75D	3.50	3.50	6.00	10.5	13.0	2.08	151.4	3.0	9.5	0.75 to 3.50	
	-0.50D to +2.00D	5.50	5.34	6.00	10.3	10.5	3.20	99.3	3.0	9.5	0.75 to 3.50	
	+2.25D to +5.00D	7.50	7.42	6.00	14.5	11.5	4.52	71.4	3.0	9.5	0.75 to 3.50	

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Hard Resin Compact Ultra base curve selection charts.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED HARD RESIN
SOLAMAX PROGRESSIVES
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Min. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.
Hard Resin SOLAMAX with Ultra-Tough									Cat. Code 106		
80	-8.00D to -4.75D	1.50	1.48	3.00	12.5	14.5	0.87	358.1	2.5	13.0	1.00 to 3.00
80	-4.50D to -2.25D	3.25	2.98	6.00	10.0	15.5	1.77	177.9	2.5	13.0	1.00 to 3.00
80	-2.00D to +1.50D	5.25	5.23	6.00	9.0	10.0	3.13	101.3	2.5	13.0	1.00 to 3.50
80	+1.75D to +4.00D	6.75	6.71	6.00	12.0	10.0	4.06	79.0	2.5	13.0	1.00 to 3.00
CR-607 Hard Resin Transitions VI Gray SOLAMAX with Ultra-Tough									Cat. Code T65		
78	-8.00D to -4.75D	1.50	1.50	3.00	12.5	14.5	0.89	353.3	2.5	13.0	1.00 to 3.00
78	-4.50D to -2.25D	3.25	3.01	6.00	10.0	14.5	1.78	176.1	2.5	13.0	1.00 to 3.00
78	-2.00D to +1.50D	5.25	5.26	6.00	9.0	10.0	3.15	100.8	2.5	13.0	1.00 to 3.50
78	+1.75D to +4.00D	6.75	6.75	6.00	12.0	10.5	4.09	78.5	2.5	13.0	1.00 to 3.00

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Hard Resin SOLAMAX base curve selection chart.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED HARD RESIN
SYNCHRONY PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.
Hard Resin Synchrony with Ultra-Tough										Cat. Code 274	
80	-9.00D to -5.25D	1.25	1.24	3.00	13.0	15.5	0.73	427.4	2.5	13.0	1.00 to 3.50
	-5.00D to -2.00D	3.25	3.29	3.00	15.0	14.5	1.95	161.1	2.5	13.0	1.00 to 3.50
	-1.75D to +1.25D	4.50	4.54	6.00	9.0	11.5	2.71	116.7	2.5	13.0	1.00 to 3.50
	+1.50D to +3.75D	6.25	6.32	6.00	9.5	9.0	3.81	83.9	2.5	13.0	1.00 to 3.50
	+4.00D to +6.00D	7.00	7.08	6.00	11.0	10.0	4.29	74.9	2.5	13.0	1.00 to 3.50
CR-607 Hard Resin Transitions VI Gray Synchrony										Cat. Code T37	
78	-9.00D to -5.25D	1.25	1.29	3.00	13.0	15.5	0.76	410.9	2.5	13.0	1.00 to 3.50
	-5.00D to -2.00D	3.25	3.34	3.00	15.0	14.5	1.98	158.7	2.5	13.0	1.00 to 3.50
	-1.75D to +1.25D	4.50	4.61	6.00	9.0	11.5	2.75	115.0	2.5	13.0	1.00 to 3.50
	+1.50D to +3.75D	6.25	6.37	6.00	9.5	9.0	3.84	83.2	2.5	13.0	1.00 to 3.50
	+4.00D to +6.00D	7.00	7.15	6.00	11.0	10.0	4.34	74.1	2.5	13.0	1.00 to 3.50

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Hard Resin Synchrony base curve selection charts.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED HARD RESIN
INSTINCTIVE PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ²	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ²	Radius	Seg Inset	Seg Drop	Add Avail.
Hard Resin INSTINCTIVE with Scratch Coating (Distance decentered 2.5mm in)										Cat. Code 693	
75/80	-9.00D to -5.25D	1.50	1.55	3.00	11.9	13.5	0.92	341.9	2.5	15.0	0.75 to 3.50
	-5.00D to -0.75D	3.50	3.50	6.00	9.9	12.8	2.08	151.4	2.5	15.0	0.75 to 3.50
	-0.50D to +2.00D	5.50	5.40	6.00	8.4	8.8	3.24	98.1	2.5	15.0	0.75 to 3.50
	+2.25D to +5.00D	7.50	7.44	6.00	12.0	9.1	4.53	71.2	2.5	15.0	0.75 to 3.50
CR-607 Hard Resin Transitions VI INSTINCTIVE with Scratch Coating (Distance decentered 2.5mm in)										Cat. Code T28 - Gray	
										Cat. Code G21 - Brown	
73/78	-9.00D to -5.25D	1.50	1.57	3.00	11.9	13.4	0.93	337.6	2.5	15.0	0.75 to 3.50
	-5.00D to -0.75D	3.50	3.50	6.00	9.9	12.6	2.08	151.4	2.5	15.0	0.75 to 3.50
	-0.50D to +2.00D	5.50	5.40	6.00	8.4	8.8	3.24	98.1	2.5	15.0	0.75 to 3.50
	+2.25D to +5.00D	7.50	7.47	6.00	12.0	9.2	4.55	71.0	2.5	15.0	0.75 to 3.50

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Hard Resin INSTINCTIVE base curve selection chart.

²Use true curve and sag values for power only and not for thickness calculations.

**SOLA SEMI-FINISHED HARD RESIN
VIP PROGRESSIVES
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve ¹	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm ¹	Seg Inset	Seg Drop	Add/Cyl Avail.	
Hard Resin VIP Progressive with Perma-Gard					Cat. Code 772			UnCoated Cat. Code 776			
78	-12.00D to -7.25D	0.50	0.51	3.00	13.5	16.5	0.30	2.5 IN	14 DN	1.00-3.00	
	-7.00D to -4.25D	2.50	2.15	3.00	15.5	16.0	1.27	2.5 IN	14 DN	0.75-3.00	
	-4.00D to -2.25D	4.00	3.68	6.00	10.5	13.0	2.19	2.5 IN	14 DN	0.75-3.00	
	-2.00D to +2.00D	6.00	5.92	6.00	8.9	9.0	3.56	2.5 IN	14 DN	0.75-3.50	
	+2.25D to +6.00D	8.00	8.01	6.00	12.2	8.0	4.91	2.5 IN	14 DN	0.75-3.00	
Hard Resin VIP Decentered Progressive with Perma-Gard (Distance decentered 3.5mm in)					Cat. Code 774						
78/85	-7.00D to -4.25D	2.50	2.15	3.00	15.5	16.0	1.27	2.5 IN	14 DN	1.00-3.00	
	-4.00D to -2.25D	4.00	3.68	6.00	10.5	13.0	2.19	2.5 IN	14 DN	0.75-3.00	
	-2.00D to +2.00D	6.00	5.92	6.00	8.9	9.0	3.56	2.5 IN	14 DN	0.75-3.00	
	+2.25D to +6.00D	8.00	8.01	6.00	12.5	8.0	4.91	2.5 IN	14 DN	0.75-3.00	
CR-607 Hard Resin Transitions VI VIP Decentered with Perma-Gard (Distance decentered 3.5mm in)					Cat. Code T17 Gray			Cat. Code T18 Brown			
76/83	-7.00D to -4.25D	2.50	2.13	3.00	13.7	15.0	1.26	2.5 IN	14 DN	1.00-3.00	
	-4.00D to -2.25D	4.00	3.65	6.00	9.2	13.0	2.17	2.5 IN	14 DN	1.00-3.00	
	-2.00D to +2.00D	6.00	5.90	6.00	8.9	9.0	3.55	2.5 IN	14 DN	1.00-3.00	
	+2.25D to +6.00D	8.00	8.00	6.00	12.7	9.0	4.90	2.5 IN	14 DN	1.00-3.00	

SPECIAL LENS DATA: Hard Resin VIP

Base Nom.	True Curve	Sag @ 20mm
0.50	0.51	0.05
2.50	2.15	0.20
4.00	3.68	0.35
6.00	5.92	0.56
8.00	8.01	0.76

¹Rx range based on sphere powers. Please confirm base required for sphere-cylinder combinations on the VIP Hard Resin base curve selection charts.

²Use True Curve and Sag values for powers only and not for thickness calculations.

**SOLA SEMI-FINISHED HARD RESIN
ACCESS ASPHERIC COMPUTER LENS
LENS PARAMETERS**

Dia.	Sphere Near Rx Range¹	Nom. Curve	True Curve²	Back Curve	Min. C.T.	Avg. E.T.	Sag @ 50mm²	Radius	Range	
Hard Resin Access with Perma-Gard							Cat. Code 575			
78	-6.00D to -2.25D -2.00D to +4.00D	3.00 5.00	3.00 5.00	3.00 3.00	11.0 10.7	11.9 9.0	1.78 2.99	176.0 106.0	0.75 & 1.25 0.75 & 1.25	

¹Rx range based on sphere power only.

²Use True Curve and Sag values for powers only and not for thickness calculations.

**SOLA SEMI-FINISHED HARD RESIN
SINGLE VISION
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm	
Hard Resin Single Vision		<i>Ultra-Tough Cat. Code 511</i>			UnCoated Cat. Code 226			
72	-12.00D to -7.25D	0.50	0.37	3.00	12.8	16.0	0.22	
	-7.00D to -4.25D	2.50	2.15	6.00	11.0	16.0	1.27	
	-4.00D to -2.25D	4.00	3.68	6.00	9.9	13.0	2.19	
	-2.00D to 0.00D	5.00	4.77	6.00	11.3	13.8	2.85	
	+0.25D to +2.00D	6.00	5.92	6.00	7.9	8.0	3.56	
	+2.25D to +4.50D	8.00	8.01	6.00	11.5	8.5	4.91	
	+4.75D to +8.00D	10.00	10.00	6.00	15.0	8.5	6.27	
Hard Resin Single Vision		<i>Perma-Gard Cat. Code 753</i>			UnCoated Cat. Code 018			
76	-12.00D to -7.25D	0.50	0.00	3.00	12.9	17.0	0.00	
	-7.00D to -4.25D	2.50	2.15	3.00	15.8	17.0	1.27	
	-4.00D to -2.25D	4.00	3.68	6.00	11.5	15.0	2.19	
	-2.00D to +2.00D	6.00	5.92	6.00	8.9	9.0	3.56	
	+2.25D to +4.50D	8.00	8.01	6.00	12.4	9.0	4.91	
	+4.75D to +8.00D	10.00	10.00	6.00	16.5	8.5	6.27	

¹Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Single Vision base curve selection charts.

**SEMI-FINISHED HARD RESIN TRANSITIONS VI
SINGLE VISION
LENS PARAMETERS**

Dia.	Spherical Rx Range ¹		Nom. Curve	True Curve	Back Curve	Min. C.T.	Avg. E.T.	Sag @ 50mm	Radius	
CR-607 Hard Resin Single Vision Transitions VI							Cat. Code T45 Gray			
							Cat. Code T52 Brown			
76	-9.00D	to	-6.00D	0.50	0.44	4.00	10.6	15.8	0.26	1204.55
	-5.75D	to	-3.75D	2.25	2.09	4.00	10.6	13.6	1.24	253.59
	-3.50D	to	-1.50D	4.25	4.30	4.00	10.6	10.4	2.56	123.26
	-1.25D	to	+1.25D	5.25	5.26	6.00	8.7	10.2	3.15	100.76
	+1.50D	to	+2.25D	6.25	6.21	6.00	8.7	8.8	3.74	85.35
	+2.50D	to	+5.00D	8.25	8.26	6.00	12.3	9.0	5.07	64.17

¹Rx range based on sphere powers.
Please confirm base required for sphere-cylinder combinations on the Transitions Single Vision base curve selection chart.

**SOLA SEMI-FINISHED HARD RESIN
FLAT-TOP 25 and FLAT-TOP 28 BIFOCAL
LENS PARAMETERS**

Dia.	Sphere RX Range ²		Nom. Curve	True Curve	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm	Seg Inset	Seg Drop	Add/Cyl Avail.	
Hard Resin Flat-Top 25			Perma-Gard Cat. Code 509					UnCoated Cat. Code 200				
72	-12.00D	to -7.25D	0.50	0.37	3.00	12.8	16.0	0.22	7 IN	6 DN	0.75-3.50	
	-7.00D	to -4.25D	2.50	2.15	6.00	11.0	16.0	1.27	7 IN	6 DN	0.75-3.50	
	-4.00D	to -2.25D	4.00	3.68	6.00	9.9	13.0	2.19	7 IN	6 DN	0.75-3.50	
	-2.00D	to +2.00D	6.00	5.92	6.00	7.9	8.0	3.56	7 IN	6 DN	0.75-3.50	
	+2.25D	to +4.50D	8.00	8.01	6.00	11.5	8.5	4.91	7 IN	6 DN	0.75-3.50	
	+4.75D	to +8.00D	10.00	10.00	6.00	15.0	8.5	6.27	7 IN	6 DN	0.75-3.50	
Hard Resin Flat-Top 28			Perma-Gard Cat. Code 510					UnCoated Cat. Code 206				
72	-12.00D	to -7.25D	0.50	0.37	3.00	12.8	16.0	0.22	7 IN	6 DN	0.75-3.50 & 4.00	
	-7.00D	to -4.25D	2.50	2.15	6.00	11.0	16.0	1.27	7 IN	6 DN	0.75-3.50 & 4.00	
	-4.00D	to -2.25D	4.00	3.68	6.00	9.9	13.0	2.19	7 IN	6 DN	0.75-3.50 & 4.00	
	-2.00D	to +2.00D	6.00	5.92	6.00	7.9	8.0	3.56	7 IN	6 DN	0.75-3.50 & 4.00	
	+2.25D	to +4.50D	8.00	8.01	6.00	11.5	8.5	4.91	7 IN	6 DN	0.75-3.50 & 4.00	
	+4.75D	to +8.00D	10.00	10.00	6.00	15.0	8.5	6.27	7 IN	6 DN	0.75-3.50 & 4.00	
Hard Resin Flat-Top 28			Perma-Gard Cat. Code 766					UnCoated Cat. Code 128				
76	-7.00D	to -4.25D	2.50	2.15	3.00	15.8	17.0	1.27	6 IN	6 DN	1.00-3.00	
	-4.00D	to -2.25D	4.00	3.68	6.00	11.5	15.0	2.19	6 IN	6 DN	0.75-3.50	
	-2.00D	to 0.00D	5.00 ¹	4.77	6.00	12.8	15.0	2.85	6 IN	6 DN	1.00-3.00	
	+0.25D	to +2.00D	6.00	5.92	6.00	8.9	9.0	3.56	6 IN	6 DN	0.75-3.50	
	+2.25D	to +4.50D	8.00	8.01	6.00	12.4	9.0	4.91	6 IN	6 DN	0.75-3.50	
	+4.75D	to +8.00D	10.00	10.00	6.00	16.5	8.5	6.27	6 IN	6 DN	1.00-3.00	

¹ Not available in Perma-Gard®

²Rx range based on sphere powers. Please confirm base required for sphere-cylinder combinations on the Hard Resin Multifocal base curve selection chart.

**SEMI-FINISHED HARD RESIN TRANSITIONS VI
FLAT-TOP 28 and FLAT-TOP 35
LENS PARAMETERS**

Dia.	Rx Range ¹	Nom. Curve	True Curve	Back Curve	Min. C.T.	Avg. E.T.	Sag @ 50mm	Radius	Seg Inset	Seg Drop	Add/Cyl Avail.	
CR-607 Hard Resin Flat-Top 28 Transitions VI with Perma-Gard						Cat. Code T76 Gray		Cat. Code T53 Brown				
76	-9.00D to -5.75D	-6.00D	0.50	0.40	4.00	10.6	15.8	0.24	1325.00	6 IN	6 DN	1.00-3.00
	-5.75D to -3.50D	-3.75D	2.25	2.09	4.00	10.6	13.6	1.24	253.59	6 IN	6 DN	1.00-3.00
	-3.50D to -1.25D	-1.50D	4.25	4.30	4.00	10.6	10.4	2.56	123.26	6 IN	6 DN	1.00-3.00
	-1.25D to +1.50D	+1.25D	5.25	5.26	6.00	8.7	10.2	3.15	100.76	6 IN	6 DN	1.00-3.00
	+1.50D to +2.50D	+2.25D	6.25	6.21	6.00	8.7	8.8	3.74	85.35	6 IN	6 DN	1.00-3.00
	+2.50D to +5.00D	+5.00D	8.25	8.26	6.00	12.3	9.0	5.07	64.17	6 IN	6 DN	1.00-3.00
CR-607 Hard Resin Flat-Top 35 Transitions VI Gray with Perma-Gard						Cat. Code T47 Gray						
74	-4.00D to -2.00D	-2.25D	4.00	3.68	6.00	11.3	14.6	2.19	144.02	6 IN	6 DN	1.00-3.00
76	-2.00D to +2.25D	+2.00D	6.00	5.94	6.00	8.9	9.0	3.57	89.23	6 IN	6 DN	1.00-3.00
	+2.25D to +6.00D	+6.00D	8.00	8.01	6.00	12.5	9.0	4.91	66.17	6 IN	6 DN	1.00-3.00

¹Rx range based on sphere powers.
Please confirm base required for sphere-cylinder combinations on the Transitions Flat-Top 28 or Flat-Top 35 base curve selection chart.

**SOLA SEMI-FINISHED HARD RESIN
FLAT-TOP 35 BIFOCAL
LENS PARAMETERS**

Dia.	Sphere RX Range ¹		Nom. Curve	True Curve	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm	Seg Inset	Seg Drop	Add/Cyl Avail.	
Hard Resin Flat-Top 35			Perma-Gard Cat. Code 515				UnCoated Cat Code 221					
72	-12.00D	to	-7.25D	0.50	0.37	3.00	12.8	16.0	0.22	7 IN	6 DN	0.75-3.00
	-7.00D	to	-4.25D	2.50	2.15	6.00	11.0	16.0	1.27	7 IN	6 DN	0.75-3.00
	-4.00D	to	-2.25D	4.00	3.68	6.00	9.9	13.0	2.19	7 IN	6 DN	0.75-3.00
	-2.00D	to	+2.00D	6.00	5.92	6.00	7.9	8.0	3.56	7 IN	6 DN	0.75-3.00
	+2.25D	to	+4.50D	8.00	8.01	6.00	11.5	8.5	4.91	7 IN	6 DN	0.75-3.00
	+4.75D	to	+8.00D	10.00	10.00	6.00	15.0	8.5	6.27	7 IN	6 DN	0.75-3.00
Hard Resin Flat-Top 35			Perma-Gard Cat Code 770				UC Cat. Code 127					
76	-7.00D	to	-4.25D	2.50	2.15	3.00	15.8	17.0	1.27	6 IN	6 DN	1.00-3.00
	-4.00D	to	-2.25D	4.00	3.68	6.00	11.5	15.0	2.19	6 IN	6 DN	1.00-3.00
	-2.00D	to	+2.00D	6.00	5.92	6.00	8.9	9.0	3.56	6 IN	6 DN	1.00-3.00
	+2.25D	to	+4.50D	8.00	8.01	6.00	12.4	9.0	4.91	6 IN	6 DN	1.00-3.00

¹Rx range based on sphere powers. Please confirm base required for sphere-cylinder combinations on the Hard Resin Multifocal base curve selection chart.

**SOLA SEMI-FINISHED HARD RESIN
ROUND SEGMENT and BLENDED BIFOCAL
LENS PARAMETERS**

Dia.	Sphere RX Range ²		Nom. Curve	True Curve	Back Curve	Ave. C.T.	Avg. E.T.	Sag @ 50mm	Seg Inset	Seg Drop	Add/Cyl Avail.	
Hard Resin Round Segment 22			Perma-Gard Cat. Code 513			UnCoated Cat. Code 228						
72	-12.00D	to	-7.25D	0.50 ¹	0.37	3.00	12.8	16.0	0.22	0 IN	8 DN	0.75-3.50
	-7.00D	to	-4.25D	2.50 ¹	2.15	6.00	11.0	16.0	1.27	0 IN	8 DN	0.75-3.50
	-4.00D	to	-2.25D	4.00	3.68	6.00	9.9	13.0	2.19	0 IN	8 DN	0.75-3.50
	-2.00D	to	+2.00D	6.00	5.92	6.00	7.9	8.0	3.56	0 IN	8 DN	0.75-3.50
	+2.25D	to	+4.50D	8.00	8.01	6.00	11.5	8.5	4.91	0 IN	8 DN	0.75-3.50
	+4.75D	to	+8.00D	10.00 ¹	10.00	6.00	15.0	8.5	6.27	0 IN	8 DN	0.75-3.50
Hard Resin Round Segment 24			Perma-Gard Cat. Code 779									
76	-4.00D	to	-2.25D	4.00	3.68	6.00	11.5	15.0	2.19	0 IN	9 DN	1.00-3.00
	-2.00D	to	+2.00D	6.00	5.92	6.00	8.9	9.0	3.56	0 IN	9 DN	1.00-3.00
	+2.25D	to	+4.50D	8.00	8.01	6.00	12.4	9.0	4.91	0 IN	9 DN	1.00-3.00
Hard Resin Blended EZ2Vue 28			Perma-Gard Cat. Code 755			UnCoated Cat. Code 029						
76	-4.00D	to	-2.25D	4.00	3.68	6.00	11.5	15.0	2.19	0 IN	5 DN	0.75-3.00
	-2.00D	to	+2.00D	6.00	5.92	6.00	8.9	9.0	3.56	0 IN	5 DN	0.75-3.00
	+2.25D	to	+4.50D	8.00	8.01	6.00	12.4	9.0	4.91	0 IN	5 DN	0.75-3.00
2 mm blended area												

¹Not available in Perma-Gard

²Rx range based on sphere powers. Please confirm base required for sphere-cylinder combinations on the Hard Resin Multifocal base curve selection chart.

**SOLA SEMI-FINISHED HARD RESIN
E-LINE BIFOCAL
LENS PARAMETERS**

Dia.	Sphere RX Range ¹		Nom. Curve	True Curve	Back Curve	Min. C.T.	Avg. E.T.	Sag @ 50mm	Seg Inset	Seg Drop	Add/Cyl Avail.	
Hard Resin E-Line Decentered								UnCoated Cat. Code 045				
68	-7.00D	to	-4.25D	2.50	2.15	2.00	13.0	13.0	1.27	3 IN	5 DN	1.00-3.00
	-4.00D	to	-2.25D	4.00	3.68	6.00	9.2	13.0	2.19	3 IN	5 DN	1.00-3.00
	-2.00D	to	+2.00D	6.00	5.92	6.00	8.7	10.5	3.56	3 IN	5 DN	0.75-3.00
	+2.25D	to	+4.50D	8.00	8.01	6.00	11.7	10.5	4.91	3 IN	5 DN	0.75-3.00
Hard Resin E-Line Decentered					Perma-Gard Cat. Code 780							
78	-4.00D	to	-2.25D	4.00	3.68	6.00	7.5	11.0	2.19	3 IN	5 DN	0.75-3.00
	-2.00D	to	+2.00D	6.00	5.92	6.00	10.2	11.0	3.56	3 IN	5 DN	0.75-3.00
	+2.25D	to	+4.50D	8.00	8.01	6.00	14.6	11.0	4.91	3 IN	5 DN	0.75-3.00

Note: Values for center thickness and edge thickness are minimum values based on the lowest add power. As add power increases, center and edge thickness increase.

¹Rx range based on sphere powers. Please confirm base required for sphere-cylinder combinations on the Hard Resin Multifocal base curve selection chart.

**SOLA SEMI-FINISHED HARD RESIN
TRIFOCAL
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹	Nom. Curve	True Curve	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm	Seg Inset	Seg Drop	Add/Cyl Avail.	
Hard Resin Flat-Top Trifocal 7x28					Perma-Gard Cat. Code 512			UnCoated Cat. Code 227			
72	-7.25D to -4.25D	2.50	2.15	6.00	11.0	16.0	1.27	7 IN	3 DN	1.50-3.50 & 4.00	
	-4.00D to -2.25D	4.00	3.68	6.00	9.9	13.0	2.19	7 IN	3 DN	1.50-3.50 & 4.00	
	-2.00D to +2.00D	6.00	5.92	6.00	7.9	8.0	3.56	7 IN	3 DN	1.50-3.50 & 4.00	
	+2.25D to +5.50D	8.00	8.01	6.00	11.5	8.5	4.91	7 IN	3 DN	1.50-3.50 & 4.00	
	+4.75D to +8.00D	10.00	10.00	6.00	15.0	8.5	6.27	7 IN	3 DN	1.50-3.50 & 4.00 ²	
Hard Resin Flat-Top Trifocal 8x35					Perma-Gard Cat. Code 967			UnCoated Cat. Code 277			
72	-4.00D to -2.25D	4.00	3.68	6.00	9.9	13.0	2.19	7 IN	3 DN	1.50-3.00	
	-2.00D to +2.00D	6.00	5.92	6.00	7.9	8.0	3.56	7 IN	3 DN	1.50-3.00	
	+2.25D to +5.50D	8.00	8.01	6.00	11.5	8.5	4.91	7 IN	3 DN	1.50-3.00	
Hard Resin E-Line Trifocal with 7 mm Separation									UnCoated Cat. Code 054		
68	-4.00D to -2.25D	4.00	3.68	6.00	10.6	12.0	2.19	0 IN	On-Line	1.75-3.00	
	-2.00D to +2.00D	6.00	5.92	6.00	10.8	9.5	3.56	0 IN	On-Line	1.75-3.00	
	+2.25D to +5.50D	8.00	8.01	6.00	13.2	9.5	4.91	0 IN	On-Line	1.75-3.00	

¹ Rx range based on sphere powers. Please confirm base required for sphere-cylinder combinations on the Hard Resin Multifocal base curve selection chart.

² PLEASE CONFIRM AVAILABILITY OF 4.00 ADD NOTE: Intermediate power 50% of add.

**SEMI-FINISHED HARD RESIN TRANSITIONS VI
FLAT-TOP TRIFOCAL 7x28
LENS PARAMETERS**

Dia.	Sphere Rx Range ¹		Nom. Curve	True Curve	Back Curve	Min. C.T.	Avg. E.T.	Sag @ 50mm	Radius	Seg Inset	Seg Drop	Add/Cyl Avail.	
CR-607 Hard Resin Transitions VI Gray Flat-Top Trifocal 7x28									Perma-Gard Cat. Code T48				
74	-4.00D	to	-2.25D	4.00	3.68	6.00	11.4	14.7	2.19	144.02	6 IN	4 DN	1.50-3.00
76	-2.00D	to	+2.00D	6.00	5.92	6.00	8.9	9.0	3.56	89.53	6 IN	4 DN	1.50-3.00
76	+2.25D	to	+6.00D	8.00	8.01	6.00	12.4	9.0	4.91	66.17	6 IN	4 DN	1.50-3.00

¹Rx range based on sphere powers.
Please confirm base required for sphere-cylinder combinations
on the Transitions Gray Flat Top Trifocal 7x28 base curve selection chart.

**SOLA SEMI-FINISHED GLASS
VIP PROGRESSIVE
LENS PARAMETERS**

Dia.	Sphere Rx Range*	Nom. Curve	True Curve ¹	Back Curve	Min. C.T.	Avg. E.T.	Sag @ 50mm ¹	Radius	Seg Inset	Seg Drop	Add/Cyl Avail.
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Photochromic Gray Glass (PRP is Decentered 2.5mm In and 2mm Up)

Photochromic Gray Cat. Code - G43

70/75	-6.00D to -4.25D	2.90	2.92	6.09	11.5	13.4	1.73	181.32	2.5 IN	14 DN	0.75-3.50
70/75	-4.00D to -2.25D	3.90	3.90	6.09	11.5	12.3	2.32	135.82	2.5 IN	14 DN	0.75-3.50
70/75	-2.00D to +1.75D	4.80	4.69	6.09	11.5	11.2	2.80	112.89	2.5 IN	14 DN	0.75-3.50
70/75	+2.00D to +4.00D	5.90	5.86	6.09	11.5	9.7	3.52	90.43	2.5 IN	14 DN	0.75-3.50
65/70	+4.25D to +6.00D	7.30	7.21	6.09	11.5	8.6	4.38	73.48	2.5 IN	14 DN	0.75-3.50

White Glass (PRP is Decentered 2.5mm In and 2mm Up)

White Cat. Code - G42

70/75	-6.00D to -4.25D	2.90	2.92	6.06	11.5	13.4	1.73	181.32	2.5 IN	14 DN	0.75-3.50
70/75	-4.00D to -2.25D	3.90	3.93	6.06	11.5	12.3	2.34	134.92	2.5 IN	14 DN	0.75-3.50
70/75	-2.00D to +1.75D	4.80	4.71	6.06	11.5	11.2	2.81	112.44	2.5 IN	14 DN	0.75-3.50
70/75	+2.00D to +4.00D	5.90	5.87	6.06	11.6	9.7	3.53	90.22	2.5 IN	14 DN	0.75-3.50
65/70	+4.25D to +6.00D	7.30	7.23	6.06	11.6	8.6	4.40	73.27	2.5 IN	14 DN	0.75-3.50

SPECIAL LENS DATA: GLASS VIP

Photochromic			White		
Base Nom.	Base Actual	Sag @ 20mm	Base Nom.	Base Actual	Sag @ 20mm
2.90	2.92	0.28	2.90	2.92	0.28
3.90	3.90	0.37	3.90	3.93	0.37
4.80	4.69	0.44	4.80	4.71	0.45
5.90	5.86	0.55	5.90	5.87	0.56
7.30	7.21	0.68	7.30	7.23	0.69

¹ Use True Curve and Sag values for powers only and not for thickness calculations.

*Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Glass VIP base curve selection chart.

**SOLA SEMI-FINISHED GLASS (Crown)
SINGLE VISION
LENS PARAMETERS**

Dia.	Sphere Rx Range*	Nom. Curve	True Curve	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm		
	Glass Single Vision	PhotoGray Extra Cat. Code 058		<i>White</i> Cat. Code 059					
71	-10.00D to -7.25D	0.50	0.50	8.00	4.9	14.4	0.30		
	- 7.00D to -4.25D	2.00	2.00	8.00	7.9	14.4	1.18		
	-4.00D to -2.25D	4.25	4.15	8.00	5.6	9.4	2.47		
	-2.00D to +2.00D	6.25	6.20	8.00	6.6	4.8	3.74		
	+2.25D to +5.50D	8.25	8.17	8.00	8.4	3.7	5.01		
	+5.75D to +8.00D	10.25	10.09	8.00	12.2	5.3	6.33		

*Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Glass Single Vision base curve selection chart

**SOLA SEMI-FINISHED GLASS (Crown)
FLAT-TOP
LENS PARAMETERS**

Dia.	Sphere Rx Range [*]	Nom. Curve	True Curve	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm	Seg Inset	Seg Drop	Add/Cyl Avail.	
Glass Flat-Top 28		PhotoGray Extra Cat. Code 041					White Cat. Code 040				
66	-4.00D to -2.25D	4.25	4.15	6.00	7.8	8.9	2.47	5.5 IN	4 DN	0.50-4.00	
	-2.00D to +2.00D	6.25	6.20	6.00	6.8	5.5	3.74	5.5 IN	4 DN	0.50-4.00	
	+2.25D to +5.50D	8.25	8.17	6.00	7.5	4.9	5.01	5.5 IN	4 DN	0.50-4.00	
Glass Flat-Top 28		PhotoGray Extra Cat. Code 046					White Cat. Code 044				
71	-7.00D to -4.25D	2.00	2.00	6.00	8.7	13.3	1.18	7 IN	6 DN	1.00-3.00	
	-4.00D to -2.25D	4.25	4.15	6.00	8.0	9.9	2.47	7 IN	6 DN	0.50-3.50	
	-2.00D to +2.00D	6.25	6.20	6.00	7.1	6.3	3.74	7 IN	6 DN	0.50-3.50	
	+2.25D to +5.50D	8.25	8.17	6.00	10.0	5.8	5.01	7 IN	6 DN	0.50-3.50	

^{*}Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Glass Multifocal base curve selection chart.

**SOLA SEMI-FINISHED GLASS (Crown)
FLAT-TOP TRIFOCAL
LENS PARAMETERS**

Dia.	Sphere Rx Range	Nom. Curve	True Curve	Back Curve	Avg. C.T.	Avg. E.T.	Sag @ 50mm	Seg Inset	Seg Drop	Add/Cyl Avail.
Glass Flat-Top Trifocal 7x28				PhotoGray Extra Cat. Code 062			White Cat. Code 061			
71	- 7.00D to -4.25D	2.00	2.00	6.00	8.7	13.3	1.18	7 IN	2.5 DN	1.50-3.00
	-4.00D to -2.25D	4.25	4.15	6.00	8.0	9.9	2.47	7 IN	2.5 DN	1.50-3.50
	-2.00D to +2.00D	6.25	6.20	6.00	7.1	6.3	3.74	7 IN	2.5 DN	1.50-3.50
	+2.25D to +5.50D	8.25	8.17	6.00	10.0	5.8	5.01	7 IN	2.5 DN	1.50-3.50

NOTE: Intermediate power 50% of add.

*Rx range based on sphere powers.

Please confirm base required for sphere-cylinder combinations on the Glass Multifocal base curve selection chart.

GLASS FLAT-TOP SEG THICKNESS CHART
(Seg Thickness in Millimeters)

Flat-Top Bifocals

Base Size	2.00		4.25		6.25		8.25	
	28		28	35	28	35	28	35
Add	Thickness							
0.50	n/a		0.8	n/a	0.8	n/a	0.8	n/a
0.75	n/a		1.2	n/a	1.2	n/a	1.2	n/a
1.00	1.6		1.6	1.4	1.6	1.3	1.6	1.3
1.25	1.1		1.1	1.7	1.0	1.6	2.0	1.6
1.50	1.3		1.3	2.0	1.2	1.9	1.2	1.9
1.75	1.5		1.6	1.7	1.5	1.7	1.4	1.7
2.00	1.7		1.8	2.0	1.7	1.9	1.6	1.9
2.25	1.4		2.0	2.2	1.9	2.1	1.9	2.2
2.50	1.6		1.6	2.4	2.1	2.3	2.1	2.4
2.75	1.7		1.7	2.6	1.7	2.7	2.3	2.7
3.00	1.9		1.9	2.9	1.8	2.8	2.5	2.8
3.25	n/a		2.0	n/a	2.0	n/a	2.1	n/a
3.50	n/a		2.2	n/a	2.1	n/a	2.2	n/a
3.75	n/a		2.3	n/a	2.3	n/a	2.3	n/a
4.00	n/a		2.5	n/a	2.4	n/a	2.5	n/a

Flat-Top Trifocals

Base Size	2.00		4.25		6.25		8.25	
	28		28	35	28	35	28	35
Add	Thickness							
1.50	1.3		1.3	2.0	1.2	1.9	1.2	1.9
1.75	1.5		1.6	1.7	1.5	1.7	1.4	1.7
2.00	1.7		1.8	2.0	1.7	1.9	1.6	1.9
2.25	1.4		2.0	2.2	1.9	2.1	1.9	2.2
2.50	1.6		1.6	2.4	2.1	2.2	2.1	2.4
2.75	1.7		1.7	2.6	1.7	2.7	2.3	2.7
3.00	1.9		1.9	2.9	1.8	2.8	2.5	2.8
3.25	n/a		2.0	n/a	2.0	n/a	2.1	n/a
3.50	n/a		2.2	n/a	2.1	n/a	2.2	n/a

**SOLA FINISHED 1.67
SINGLE VISION ASPHERIC
LENS PARAMETERS**

Dia.	Sphere Power	Cylinder Power	True Curve	Avg. C.T.	Avg. E.T.
	Cat. Code G57 Teflon Clear Coat			Cat. Code G61 Hard Coated	
65	+6.00	0.25-2.00	6.33	5.4	1.0
	+5.75	0.25-2.00	6.13	5.2	1.0
	+5.50	0.25-2.00	5.93	5.0	1.0
	+5.25	0.25-2.00	5.74	4.8	1.0
	+5.00	0.25-2.00	5.54	4.6	1.0
	+4.75	0.25-2.00	5.34	4.4	1.0
	+4.50	0.25-2.00	5.54	4.3	1.0
	+4.25	0.25-2.00	5.34	4.1	1.0
	+4.00	0.25-2.00	5.14	3.9	1.0
	+3.75	0.25-2.00	4.94	3.7	1.0
	+3.50	0.25-2.00	4.75	3.5	1.0
	+3.25	0.25-2.00	4.55	3.3	1.0
	+3.00	0.25-2.00	4.75	3.1	1.0
	+2.75	0.25-2.00	4.55	2.9	1.0
	+2.50	0.25-2.00	4.35	2.7	1.0
	+2.25	0.25-2.00	4.15	2.5	1.0

**SOLA FINISHED 1.67
SINGLE VISION ASPHERIC
LENS PARAMETERS**

Dia.	Sphere Power	Cylinder Power	True Curve	Avg. C.T.	Avg. E.T.
	Cat. Code G56 Teflon Clear Coat			Cat. Code G60 Hard Coated	
70	+2.00	0.25-2.00	4.35	2.7	1.1
	+1.75	0.25-2.00	4.15	2.6	1.1
	+1.50	0.25-2.00	3.96	2.5	1.3
	+1.25	0.25-2.00	3.76	2.4	1.3
	+1.00	0.25-2.00	3.96	2.3	1.5
	+0.75	0.25-2.00	3.76	2.2	1.6
	+0.50	0.25-2.00	3.56	2.1	1.7
	+0.25	0.25-2.00	3.36	2.0	1.7
	Cat. Code G59 Teflon Clear Coat			Cat. Code G63 Hard Coated	
	-6.25	0.25-3.00	0.99	1.1	6.7
	-6.50	0.25-3.00	0.79	1.1	7.2
	-6.75	0.25-3.00	0.59	1.1	7.2
	-7.00	0.25-3.00	0.40	1.1	7.5
	-7.25	0.25-3.00	0.99	1.1	7.8
	-7.50	0.25-3.00	0.79	1.1	8.0
	-7.75	0.25-3.00	0.59	1.1	8.3
	-8.00	0.25-3.00	0.40	1.1	8.5
	-8.25	0.25-2.00	0.99	1.1	8.8
	-8.50	0.25-2.00	0.79	1.1	9.1
	-8.75	0.25-2.00	0.59	1.1	9.4
	-9.00	0.25-2.00	0.40	1.1	9.6
	-9.25	0.25-2.00	0.99	1.1	10.1
	-9.50	0.25-2.00	0.79	1.1	10.3
	-9.75	0.25-2.00	0.59	1.1	10.5
	-10.00	0.25-2.00	0.40	1.1	10.8
	-10.25	0.25-2.00	0.99	1.1	11.3
	-10.50	0.25-2.00	0.79	1.1	11.6
	-10.75	0.25-2.00	0.59	1.1	11.8
	-11.00	0.25-2.00	0.40	1.1	12.1
	-11.25	0.25-2.00	0.99	1.1	12.6
	-11.50	0.25-2.00	0.79	1.1	12.9
	-11.75	0.25-2.00	0.59	1.1	13.1
	-12.00	0.25-2.00	0.40	1.1	13.3

**SOLA FINISHED 1.67
SINGLE VISION ASPHERIC
LENS PARAMETERS**

Dia.	Sphere Power	Cylinder Power	True Curve	Avg. C.T.	Avg. E.T.
	Cat. Code G58 Teflon Clear Coat			Cat. Code G62 Hard Coated	
75	0.00	0.25-3.00	3.16	2.0	2.1
	-0.25	0.25-3.00	2.97	1.9	2.2
	-0.50	0.25-3.00	2.77	1.8	2.3
	-0.75	0.25-3.00	2.57	1.7	2.5
	-1.00	0.25-3.00	2.37	1.6	2.6
	-1.25	0.25-3.00	2.57	1.5	2.7
	-1.50	0.25-3.00	2.37	1.4	2.9
	-1.75	0.25-3.00	2.18	1.3	3.0
	-2.00	0.25-3.00	1.98	1.1	3.1
	-2.25	0.25-3.00	2.18	1.1	3.3
	-2.50	0.25-3.00	1.98	1.1	3.6
	-2.75	0.25-3.00	1.78	1.1	3.8
	-3.00	0.25-3.00	1.58	1.1	4.1
	-3.25	0.25-3.00	1.78	1.1	4.4
	-3.50	0.25-3.00	1.58	1.1	4.6
	-3.75	0.25-3.00	1.38	1.1	4.9
	-4.00	0.25-3.00	1.19	1.1	5.1
	-4.25	0.25-3.00	1.38	1.1	5.4
	-4.50	0.25-3.00	1.19	1.1	5.7
	-4.75	0.25-3.00	0.99	1.1	6.0
	-5.00	0.25-3.00	0.79	1.1	6.3
	-5.25	0.25-3.00	0.99	1.1	6.5
	-5.50	0.25-3.00	0.79	1.1	6.8
	-5.75	0.25-3.00	0.59	1.1	7.0
	-6.00	0.25-3.00	0.40	1.1	7.2

SOLA FINISHED POLYCARBONATE
Teflon® Clear Coat Lenses SINGLE VISION AR Coated
LENS PARAMETERS

Diameter	Sphere Power	Cylinder Power	True Curve	Ave. C.T.	Ave. E.T.
Cat. Code 917 + Range					
65	+4.00	0.25-2.00	6.51	4.6	1.5
	+3.75	0.25-2.00	6.51	4.4	1.5
	+3.50	0.25-2.00	6.51	4.1	1.5
	+3.25	0.25-2.00	6.51	3.9	1.5
	+3.00	0.25-2.00	5.64	3.4	1.2
	+2.75	0.25-2.00	5.64	3.2	1.2
	+2.50	0.25-2.00	5.64	3.0	1.2
	+2.25	0.25-2.00	5.64	2.8	1.2
	+2.00	0.25-2.00	4.77	2.6	1.2
	+1.75	0.25-2.00	4.77	2.4	1.2
	+1.50	0.25-2.00	4.77	2.1	1.2
	+1.25	0.25-2.00	4.77	1.9	1.2
	+1.00	0.25-2.00	4.77	1.7	1.2
	+0.75	0.25-2.00	4.77	1.7	1.5
	+0.50	0.25-2.00	4.77	1.7	1.7
	+0.25	0.25-2.00	4.77	1.7	1.9
Cat. Code 918 - Range					
70	0.00	0.25-2.00	4.99	1.8	1.8
	-0.25	0.25-2.00	3.84	1.7	2.0
	-0.50	0.25-2.00	3.84	1.5	2.1
	-0.75	0.25-2.00	3.84	1.4	2.2
	-1.00	0.25-2.00	3.84	1.2	2.3
	-1.25	0.25-2.00	3.84	1.2	2.6
	-1.50	0.25-2.00	3.84	1.2	2.9
	-1.75	0.25-2.00	3.84	1.2	3.2
	-2.00	0.25-2.00	3.84	1.2	2.5
	-2.25	0.25-2.00	2.94	1.2	3.7
	-2.50	0.25-2.00	2.94	1.2	4.0
	-2.75	0.25-2.00	2.94	1.2	4.3
	-3.00	0.25-2.00	2.94	1.2	4.6
	-3.25	0.25-2.00	2.94	1.2	4.9
	-3.50	0.25-2.00	2.94	1.2	5.2
	-3.75	0.25-2.00	2.94	1.2	5.5
	-4.00	0.25-2.00	2.94	1.2	5.8
	-4.25	0.25-2.00	2.03	1.2	5.9
	-4.50	0.25-2.00	2.03	1.2	6.2
	-4.75	0.25-2.00	2.03	1.2	6.5
-5.00	0.25-2.00	2.03	1.2	6.8	
-5.25	0.25-2.00	2.03	1.2	7.1	
-5.50	0.25-2.00	2.03	1.2	7.4	
-5.75	0.25-2.00	2.03	1.2	7.8	
-6.00	0.25-2.00	2.03	1.2	8.1	

**SOLA FINISHED POLYCARBONATE
SINGLE VISION 68mm & 72mm with UTM AR Technology
LENS PARAMETERS**

Dia.	Sphere Power	Cylinder Power	True Curve	Ave. C.T.	Ave. E.T.
Cat Code 850 Aspheric + Range					
68 mm	+3.00	0.25-2.00	4.20	3.7	1.0
	+2.75	0.25-2.00	4.20	3.4	1.0
	+2.50	0.25-2.00	4.20	3.2	1.0
	+2.25	0.25-2.00	4.20	2.9	1.0
	+2.00	0.25-2.00	3.88	2.9	1.0
	+1.75	0.25-2.00	3.88	2.6	1.0
	+1.50	0.25-2.00	3.88	2.4	1.0
	+1.25	0.25-2.00	3.88	2.1	1.0
	+1.00	0.25-2.00	3.88	2.0	1.1
	+0.75	0.25-2.00	3.88	1.8	1.2
	+0.50	0.25-2.00	3.88	1.7	1.3
	+0.25	0.25-2.00	3.88	1.5	1.4
Cat Code 851 Spherical - Range					
72 mm	0.00	0.25-2.00	3.83	2.0	2.0
	-0.25	0.25-2.00	3.83	1.7	2.0
	-0.50	0.25-2.00	3.83	1.7	2.3
	-0.75	0.25-2.00	3.83	1.7	2.6
	-1.00	0.25-2.00	3.83	1.7	2.9
	-1.25	0.25-2.00	3.83	1.7	3.2
	-1.50	0.25-2.00	3.83	1.7	3.5
	-1.75	0.25-2.00	3.83	1.4	3.5
	-2.00	0.25-2.00	3.83	1.4	3.8
	-2.25	0.25-2.00	3.83	1.4	4.1
	-2.50	0.25-2.00	3.83	1.4	4.4
	-2.75	0.25-2.00	3.83	1.4	4.8
	-3.00	0.25-2.00	3.83	1.4	5.1
	-3.25	0.25-2.00	4.05	1.3	5.4
	-3.50	0.25-2.00	3.83	1.3	5.7
	-3.75	0.25-2.00	3.60	1.3	5.9
	-4.00	0.25-2.00	3.38	1.3	6.2
	-4.25	0.25-2.00	3.60	1.2	6.5
	-4.50	0.25-2.00	3.38	1.2	6.8
	-4.75	0.25-2.00	3.16	1.2	7.1
	-5.00	0.25-2.00	2.93	1.2	7.4
	-5.25	0.25-2.00	3.15	1.2	7.7
	-5.50	0.25-2.00	2.93	1.2	8.0
	-5.75	0.25-2.00	2.70	1.2	8.3
-6.00	0.25-2.00	2.48	1.2	8.6	

**SOLA FINISHED POLYCARBONATE TRANSITIONS VI GRAY
SINGLE VISION Aspheric 65mm & 70mm
LENS PARAMETERS**

Dia.	Sphere Power	Cylinder Power	True Curve	Ave. C.T.	Ave. E.T.
Cat Code B98 Aspheric + Range					
65 mm	+2.00	0.25-2.00	3.88	2.9	1.0
	+1.75	0.25-2.00	3.88	2.6	1.0
	+1.50	0.25-2.00	3.88	2.8	1.4
	+1.25	0.25-2.00	3.88	2.6	1.4
	+1.00	0.25-2.00	3.88	2.5	1.6
	+0.75	0.25-2.00	3.88	2.3	1.6
	+0.50	0.25-2.00	3.83	2.2	1.8
	+0.25	0.25-2.00	3.83	2.0	1.8
Cat Code B99 Aspheric - Range					
70 mm	0.00	0.25-2.00	3.83	2.0	2.0
	-0.25	0.25-2.00	3.83	1.7	2.0
	-0.50	0.25-2.00	3.83	1.7	2.3
	-0.75	0.25-2.00	3.83	1.7	2.6
	-1.00	0.25-2.00	3.83	1.7	2.9
	-1.25	0.25-2.00	3.83	1.7	3.2
	-1.50	0.25-2.00	3.83	1.7	3.5
	-1.75	0.25-2.00	3.61	1.4	3.4
	-2.00	0.25-2.00	3.38	1.4	3.6
	-2.25	0.25-2.00	3.16	1.4	3.9
	-2.50	0.25-2.00	2.93	1.4	4.2
	-2.75	0.25-2.00	3.16	1.4	4.5
	-3.00	0.25-2.00	2.93	1.4	4.8
	-3.25	0.25-2.00	2.70	1.3	5.0
	-3.50	0.25-2.00	2.48	1.3	5.2
	-3.75	0.25-2.00	2.26	1.3	5.5
-4.00	0.25-2.00	2.03	1.3	5.8	

**SOLA FINISHED POLYCARBONATE
SINGLE VISION with HARD COATING
LENS PARAMETERS**

Dia.	Sphere Power	Cylinder Power	True Curve	Ave. C.T.	Ave. E.T.
Cat. Code R61 Aspheric					
68 mm Aspheric	+4.00	0.25-2.00	5.28	4.5	1.0
	+3.75	0.25-2.00	5.28	4.3	1.0
	+3.50	0.25-2.00	5.28	4.0	1.0
	+3.25	0.25-2.00	4.20	3.9	1.0
	+3.00	0.25-2.00	4.20	3.6	1.0
	+2.75	0.25-2.00	4.20	3.4	1.0
	+2.50	0.25-2.00	4.20	3.1	1.0
	+2.25	0.25-2.00	4.20	2.9	1.0
	+2.00	0.25-2.00	3.88	2.9	1.0
	+1.75	0.25-2.00	3.88	2.6	1.0
	+1.50	0.25-2.00	3.88	2.8	1.4
	+1.25	0.25-2.00	3.88	2.6	1.4
	+1.00	0.25-2.00	3.88	2.5	1.6
	+0.75	0.25-2.00	3.88	2.3	1.6
	+0.50	0.25-2.00	3.83	2.2	1.8
+0.25	0.25-2.00	3.83	2.0	1.8	
Cat. Code R62 Spherical					
72 mm Spherical	0.00	0.25-2.00	3.83	2.0	2.0
	-0.25	0.25-2.00	3.83	1.8	2.1
	-0.50	0.25-2.00	3.83	1.8	2.4
	-0.75	0.25-2.00	3.83	1.8	2.7
	-1.00	0.25-2.00	3.83	1.8	3.0
	-1.25	0.25-2.00	3.83	1.8	3.3
	-1.50	0.25-2.00	3.83	1.5	3.3
	-1.75	0.25-2.00	3.83	1.4	3.5
	-2.00	0.25-2.00	3.83	1.4	3.8
	-2.25	0.25-2.00	3.83	1.4	4.1
	-2.50	0.25-2.00	3.83	1.4	4.4
	-2.75	0.25-2.00	3.83	1.4	4.8
	-3.00	0.25-2.00	3.83	1.4	5.1
	-3.25	0.25-2.00	4.04	1.3	5.4
	-3.50	0.25-2.00	3.83	1.3	5.7
	-3.75	0.25-2.00	3.60	1.3	5.9
	-4.00	0.25-2.00	3.83	1.3	6.2
	-4.25	0.25-1.75	3.60	1.2	6.5
	-4.50	0.25-1.50	3.38	1.2	6.8
	-4.75	0.25-1.25	3.15	1.2	7.1
	-5.00	0.25-1.00	2.93	1.2	7.4
	-5.25	0.25-0.75	3.15	1.2	7.8
	-5.50	0.25-0.50	2.93	1.2	8.1
-5.75	0.25-0.25	2.70	1.2	8.4	
-6.00	Sphere		2.48	1.2	8.6

**SOLA FINISHED POLYCARBONATE
RUGGED FASHIONWEAR™ SINGLE VISION with PureCote™
LENS PARAMETERS**

Diameter	Sphere Power	Cylinder Power	True Curve	Ave. C.T.	Ave. E.T.
Cat. Code 702 + Range					
73	+4.00	0.25-2.00	6.45	5.9	1.2
	+3.75	0.25-2.00	6.45	5.7	1.2
	+3.50	0.25-2.00	6.45	5.4	1.2
	+3.25	0.25-2.00	6.45	5.1	1.2
	+3.00	0.25-2.00	5.63	4.7	1.2
	+2.75	0.25-2.00	5.63	4.4	1.2
	+2.50	0.25-2.00	5.63	4.2	1.2
	+2.25	0.25-2.00	5.63	3.9	1.2
	+2.00	0.25-2.00	4.99	3.5	1.2
	+1.75	0.25-2.00	4.99	3.3	1.2
	+1.50	0.25-2.00	4.99	3.0	1.2
	+1.25	0.25-2.00	4.99	2.8	1.2
	+1.00	0.25-2.00	4.99	2.5	1.3
	+0.75	0.25-2.00	4.99	2.2	1.3
	+0.50	0.25-2.00	4.99	2.0	1.4
+0.25	0.25-2.00	4.99	2.0	1.7	
Cat. Code 704 - Range					
	0.00	0.25-2.50	4.99	1.8	1.8
	-0.25	0.25-2.50	4.00	1.7	2.0
	-0.50	0.25-2.50	4.00	1.5	2.1
	-0.75	0.25-2.50	4.00	1.4	2.3
	-1.00	0.25-2.50	4.00	1.2	2.4
	-1.25	0.25-2.50	4.00	1.2	2.7
	-1.50	0.25-2.50	4.00	1.2	3.1
	-1.75	0.25-2.50	4.00	1.2	3.4
	-2.00	0.25-2.50	4.00	1.2	3.7
	-2.25	0.25-2.50	3.06	1.2	3.9
	-2.50	0.25-2.50	3.06	1.2	4.2
	-2.75	0.25-2.50	3.06	1.2	4.6
	-3.00	0.25-2.50	3.06	1.2	5.2
	-3.25	0.25-2.50	3.06	1.2	5.5
	-3.50	0.25-2.50	3.06	1.2	5.9
	-3.75	0.25-2.50	3.06	1.2	6.2
	-4.00	0.25-2.50	3.06	1.2	6.3
	-4.25	0.25-2.00	2.08	1.2	6.4
	-4.50	0.25-2.00	2.08	1.2	6.7
	-4.75	0.25-2.00	2.08	1.2	7.0
	-5.00	0.25-2.00	2.08	1.2	7.4
	-5.25	0.25-2.00	2.08	1.2	7.7
	-5.50	0.25-2.00	2.08	1.2	8.0
	-5.75	0.25-2.00	2.08	1.2	8.4
	-6.00	0.25-2.00	2.08	1.2	8.7
	-6.25	0.25-2.00	1.30	1.2	8.8
	-6.50	0.25-2.00	1.30	1.2	9.2
	-6.75	0.25-2.00	1.30	1.2	9.5
	-7.00	0.25-2.00	1.30	1.2	9.9
	-7.25	0.25-1.00	1.30	1.2	10.2
	-7.50	0.25-1.00	1.30	1.2	10.6
	-7.75	0.25-1.00	1.30	1.2	11.0
	-8.00	0.25-1.00	1.30	1.2	11.4

**SOLA FINISHED POLYCARBONATE
INDUSTRIAL 2.0mm SINGLE VISION with Hard Coat
LENS PARAMETERS**

Diameter	Sphere Power	Cylinder Power	True Curve	Ave. C.T.	Ave. E.T.	
Cat. Code 527 + Range						
73 Spherical	+3.00	0.25-2.00	5.63	4.9	1.3	
	+2.75	0.25-2.00	5.63	4.6	1.4	
	+2.50	0.25-2.00	5.63	4.4	1.4	
	+2.25	0.25-2.00	5.63	4.2	1.5	
	+2.00	0.25-2.00	4.99	3.9	1.6	
	+1.75	0.25-2.00	4.99	3.7	1.7	
	+1.50	0.25-2.00	4.99	3.5	1.7	
	+1.25	0.25-2.00	4.99	3.3	1.8	
	+1.00	0.25-2.00	4.99	3.0	1.9	
	+0.75	0.25-2.00	4.99	2.8	1.9	
	+0.50	0.25-2.00	4.99	2.6	2.0	
	+0.25	0.25-2.00	4.99	2.3	2.0	
	Cat. Code 528 - Range					
		0.00	0.25-2.00	4.99	2.1	2.1
	-0.25	0.25-2.00	4.00	2.1	2.4	
	-0.50	0.25-2.00	4.00	2.1	2.7	
	-0.75	0.25-2.00	4.00	2.1	3.0	
	-1.00	0.25-2.00	4.00	2.1	3.3	
	-1.25	0.25-2.00	4.00	2.1	3.6	
	-1.50	0.25-2.00	4.00	2.1	4.0	
	-1.75	0.25-2.00	4.00	2.1	4.3	
	-2.00	0.25-2.00	4.00	2.1	4.6	
	-2.25	0.25-2.00	3.06	2.1	4.8	
	-2.50	0.25-2.00	3.06	2.1	5.2	
	-2.75	0.25-2.00	3.06	2.1	5.5	
	-3.00	0.25-2.00	3.06	2.1	5.8	
	-3.25	0.25-2.00	3.06	2.1	6.1	
	-3.50	0.25-2.00	3.06	2.1	6.4	
	-3.75	0.25-2.00	3.06	2.1	6.8	
	-4.00	0.25-2.00	3.06	2.1	7.1	
	-4.25	0.25-2.00	2.08	2.1	7.3	
	-4.50	0.25-2.00	2.08	2.1	7.6	
	-4.75	0.25-2.00	2.08	2.1	7.9	
	-5.00	0.25-2.00	2.08	2.1	8.3	
	-5.25	0.25-2.00	2.08	2.1	8.6	
	-5.50	0.25-2.00	2.08	2.1	8.9	
	-5.75	0.25-2.00	2.08	2.1	9.3	
	-6.00	0.25-2.00	2.08	2.1	9.6	

SOLA FINISHED HARD RESIN
Teflon® Clear Coat Lenses SINGLE VISION AR Coated
LENS PARAMETERS

Dia.	Sphere Power	Cylinder Power	True Curve	Avg. C.T.	Avg. E.T.
Cat. Code 919 + Range					
65	+4.00	0.25-2.00	8.02	5.6	1.1
	+3.75	0.25-2.00	7.78	5.3	1.1
	+3.50	0.25-2.00	8.01	5.1	1.1
	+3.25	0.25-2.00	7.77	4.8	1.1
	+3.00	0.25-2.00	7.52	4.5	1.1
	+2.75	0.25-2.00	7.28	4.2	1.1
	+2.50	0.25-2.00	7.03	3.9	1.1
	+2.25	0.25-2.00	7.27	3.6	1.1
	+2.00	0.25-2.00	7.02	3.3	1.1
	+1.75	0.25-2.00	6.77	3.1	1.1
	+1.50	0.25-2.00	6.52	2.8	1.1
	+1.25	0.25-2.00	6.74	3.1	1.1
	+1.00	0.25-2.00	6.49	2.8	1.8
	+0.75	0.25-2.00	6.23	2.6	1.8
	+0.50	0.25-2.00	5.98	2.3	1.8
70	+0.25	0.25-2.00	5.72	2.4	2.2
Cat. Code 920 - Range					
70	0.00	0.25-2.00	5.71	2.2	2.6
	-0.25	0.25-2.00	5.44	2.2	2.6
	-0.50	0.25-2.00	5.18	2.2	2.9
	-0.75	0.25-2.00	4.92	2.2	3.3
	-1.00	0.25-2.00	4.66	2.2	3.6
	-1.25	0.25-2.00	5.14	2.2	4.0
	-1.50	0.25-2.00	4.87	2.2	4.3
	-1.75	0.25-2.00	4.61	2.2	4.6
	-2.00	0.25-2.00	4.35	2.2	5.0
	-2.25	0.25-2.00	4.58	2.2	5.4
	-2.50	0.25-2.00	4.32	2.2	5.7
	-2.75	0.25-2.00	4.06	2.2	6.0
	-3.00	0.25-2.00	3.79	2.2	6.3
	-3.25	0.25-2.00	4.03	2.2	6.7
	-3.50	0.25-2.00	3.76	2.2	7.1
	-3.75	0.25-2.00	3.50	2.2	7.4
	-4.00	0.25-2.00	3.24	2.2	7.7
	-4.25	0.25-2.00	3.47	2.2	8.2
	-4.50	0.25-2.00	3.21	2.2	8.5
	-4.75	0.25-2.00	2.95	2.2	8.9
	-5.00	0.25-2.00	2.68	2.2	9.1
-5.25	0.25-2.00	2.42	2.2	9.4	
-5.50	0.25-2.00	2.15	2.2	9.7	
-5.75	0.25-2.00	1.89	2.2	10.0	
-6.00	0.25-2.00	1.62	2.2	10.3	

**SOLA FINISHED HARD RESIN
SINGLE VISION S.H.M.C. AR Coated
LENS PARAMETERS**

Dia.	Sphere Power	Cylinder Power	True Curve	Avg. C.T.	Avg. E.T.
Cat. Code 658 + Range					
65	+6.00	0.25-2.00	9.41	7.9	1.1
	+5.75	0.25-2.00	9.19	7.6	1.1
	+5.50	0.25-2.00	8.96	7.3	1.1
	+5.25	0.25-2.00	8.73	7.0	1.1
	+5.00	0.25-2.00	8.50	6.7	1.1
	+4.75	0.25-2.00	8.26	6.4	1.1
	+4.50	0.25-2.00	8.49	6.2	1.1
	+4.25	0.25-2.00	8.25	5.9	1.1
	+4.00	0.25-2.00	8.02	5.6	1.1
	+3.75	0.25-2.00	7.78	5.3	1.1
	+3.50	0.25-2.00	8.01	5.1	1.1
	+3.25	0.25-2.00	7.77	4.8	1.1
	+3.00	0.25-2.00	7.52	4.5	1.1
	+2.75	0.25-2.00	7.28	4.2	1.1
	+2.50	0.25-2.00	7.03	3.9	1.1
	+2.25	0.25-2.00	7.27	3.6	1.1
	+2.00	0.25-2.00	7.02	3.3	1.1
	+1.75	0.25-2.00	6.77	3.1	1.1
	+1.50	0.25-2.00	6.52	2.8	1.1
	+1.25	0.25-2.00	6.74	3.1	1.1
	+1.00	0.25-2.00	6.49	2.8	1.8
+0.75	0.25-2.00	6.23	2.6	1.8	
+0.50	0.25-2.00	5.98	2.3	1.8	
70	+0.25	0.25-2.00	5.72	2.4	2.2
Cat. Code 659 - Range					
70	0.00	0.25-2.00	5.71	2.2	2.3
	-0.25	0.25-2.00	5.44	2.2	2.6
	-0.50	0.25-2.00	5.18	2.2	2.9
	-0.75	0.25-2.00	4.92	2.2	3.3
	-1.00	0.25-2.00	4.66	2.2	3.6
	-1.25	0.25-2.00	5.14	2.2	4.0
	-1.50	0.25-2.00	4.87	2.2	4.3
	-1.75	0.25-2.00	4.61	2.2	4.6
	-2.00	0.25-2.00	4.35	2.2	5.0
	-2.25	0.25-2.00	4.58	2.2	5.4
	-2.50	0.25-2.00	4.32	2.2	5.7
	-2.75	0.25-2.00	4.06	2.2	6.0
	-3.00	0.25-2.00	3.79	2.2	6.3
	-3.25	0.25-2.00	4.03	2.2	6.7
	-3.50	0.25-2.00	3.76	2.2	7.1
	-3.75	0.25-2.00	3.50	2.2	7.4
	-4.00	0.25-2.00	3.24	2.2	7.7
	-4.25	0.25-2.00	3.47	2.2	8.2
	-4.50	0.25-2.00	3.21	2.2	8.5
	-4.75	0.25-2.00	2.95	2.2	8.9
	-5.00	0.25-2.00	2.68	2.2	9.1
-5.25	0.25-2.00	2.42	2.2	9.4	
-5.50	0.25-2.00	2.15	2.2	9.7	
-5.75	0.25-2.00	1.89	2.2	10.0	
-6.00	0.25-2.00	1.62	2.2	10.3	

**SOLA FINISHED HARD RESIN
SINGLE VISION
LENS PARAMETERS**

Dia.	Sphere Power	Cylinder Power	True Curve	Avg. C.T.	Avg. E.T.	
	UnCoated Cat. Code 314 + Sph			UnCoated Cat. Code 334 + on -		
65	+6.00	0.25-2.00	9.41	7.9	1.1	
	+5.75	0.25-2.00	9.19	7.6	1.1	
	+5.50	0.25-2.00	8.96	7.3	1.1	
	+5.25	0.25-2.00	8.73	7.0	1.1	
		UnCoated Cat. Code 334 + on -				
	+4.50	2.25-3.00	8.49	6.2	1.1	
	+4.25	2.25-3.00	8.25	5.9	1.1	
	+4.00	2.75-3.00	8.02	5.6	1.1	
	+3.75	2.75-3.00	7.78	5.3	1.1	
	+3.50	2.75-3.00	8.01	5.1	1.1	
	+3.25	2.75-3.00	7.77	4.8	1.1	
	+3.00	2.75-3.00	7.52	4.5	1.1	
	+2.75	2.75-3.00	7.28	4.2	1.1	
	+2.50	2.75-3.00	7.03	3.9	1.1	
	+2.25	2.75-3.00	7.27	3.6	1.1	
	+2.00	2.75-3.00	7.02	3.3	1.1	
	+1.75	2.75-3.00	6.77	3.1	1.1	
	+1.50	2.75-3.00	6.52	2.8	1.1	
	+1.25	2.75-3.00	6.74	3.1	1.8	
	+1.00	2.75-3.00	6.49	2.8	1.8	
+0.75	2.75-3.00	6.23	2.6	1.8		
+0.50	2.75-3.00	5.98	2.3	1.8		
+0.25	2.75-3.00	5.72	2.0	1.8		
	UnCoated Cat. Code 344 - on -					
	0.00	2.75-3.00	5.71	2.0	2.0	
	-0.25	2.75-3.00	5.45	1.8	2.1	
	-0.50	2.75-3.00	5.19	1.8	2.4	
	-0.75	2.75-3.00	4.93	1.8	2.7	
	-1.00	2.75-3.00	4.66	1.8	3.0	
	-1.25	2.75-3.00	5.14	1.8	3.3	
	-1.50	2.75-3.00	4.88	1.8	3.6	
	-1.75	2.75-3.00	4.62	1.8	3.9	
	-2.00	2.75-3.00	4.35	1.8	4.1	
	-2.25	2.75-3.00	4.59	1.8	4.5	
	-2.50	2.75-3.00	4.32	1.8	4.7	
	-2.75	2.75-3.00	4.06	1.8	5.0	
	-3.00	2.75-3.00	3.80	1.8	5.3	
	-3.25	2.75-3.00	4.03	1.8	5.6	
	-3.50	2.75-3.00	3.77	1.8	5.9	
	-3.75	2.75-3.00	3.50	1.8	6.2	
	-4.00	2.75-3.00	3.24	1.8	6.5	
	-4.25	2.75-3.00	3.47	1.8	6.8	
	-4.50	2.75-3.00	3.21	1.8	7.1	

**SOLA FINISHED HARD RESIN
SINGLE VISION
LENS PARAMETERS**

Dia.	Sphere Power	Cylinder Power	True Curve	Avg. C.T.	Avg. E.T.
Perma-Gard Cat. Code 818 + Sphere			Perma-Gard Cat. Code 822 + on -		
UnCoated Cat. Code 316 + Sphere			UnCoated Cat. Code 336 + on -		
70	+5.00	0.25-2.00	8.45	7.7	1.1
	+4.75	0.25-2.00	8.22	7.3	1.1
	+4.50	0.25-2.00	7.99	7.0	1.1
	+4.25	0.25-2.00	7.75	6.6	1.1
	+4.00	0.25-2.50	7.98	6.4	1.1
	+3.75	0.25-2.50	7.75	6.0	1.1
	+3.50	0.25-2.50	7.51	5.7	1.1
	+3.25	0.25-2.50	7.27	5.3	1.1
	+3.00	0.25-2.50	7.50	5.1	1.1
	+2.75	0.25-2.50	7.26	4.7	1.1
	+2.50	0.25-2.50	7.02	4.4	1.1
	+2.25	0.25-2.50	6.77	4.0	1.1
	+2.00	0.25-2.50	7.01	3.7	1.1
	+1.75	0.25-2.50	6.76	3.4	1.1
	+1.50	0.25-2.50	6.51	3.1	1.1
	+1.25	0.25-2.50	6.26	2.7	1.1
	+1.00	0.25-2.50	6.48	3.0	1.8
	+0.75	0.25-2.50	6.23	2.7	1.8
	+0.50	0.25-2.50	5.98	2.4	1.8
	+0.25	0.25-2.50	5.72	2.4	2.2
	Perma-Gard Cat. Code 820 - Sphere			Perma-Gard Cat. Code 824 - on -	
UnCoated Cat. Code 326 - Sphere			UnCoated Cat. Code 346 - on -		
	0.00	0.25-2.50	5.71	2.2	2.3
	-0.25	0.25-2.50	5.45	2.2	2.6
	-0.50	0.25-2.50	5.19	2.2	2.9
	-0.75	0.25-2.50	4.93	2.2	3.3
	-1.00	0.25-2.50	4.66	2.2	3.6
	-1.25	0.25-2.50	5.14	2.2	4.0
	-1.50	0.25-2.50	4.88	2.2	4.3
	-1.75	0.25-2.50	4.62	2.2	4.6
	-2.00	0.25-2.50	4.35	2.2	5.0
	-2.25	0.25-2.50	4.59	2.2	5.4
	-2.50	0.25-2.50	4.32	2.2	5.7
	-2.75	0.25-2.50	4.06	2.2	6.0
	-3.00	0.25-2.50	3.80	2.2	6.3

**SOLA FINISHED HARD RESIN
SINGLE VISION
LENS PARAMETERS Cont.**

Dia.	Sphere Power	Cylinder Power	True Curve	Avg. C.T.	Avg. E.T.
Perma-Gard Cat. Code 820 - Sphere			Perma-Gard Cat. Code 824 - on -		
UnCoated Cat. Code 326 - Sphere			UnCoated Cat. Code 346 - on -		
70	-3.25	0.25-2.50	4.03	2.2	6.7
	-3.50	0.25-2.50	3.77	2.2	7.1
	-3.75	0.25-2.50	3.50	2.2	7.4
	-4.00	0.25-2.50	3.24	2.2	7.7
	-4.25	0.25-2.50	3.47	2.2	8.2
	-4.50	0.25-2.50	3.21	2.2	8.5
	-4.75	0.25-2.50	2.95	2.2	8.9
	-5.00	0.25-2.50	2.68	2.2	9.1
	-5.25	0.25-2.50	2.42	2.2	9.4
	-5.50	0.25-2.50	2.15	2.2	9.7
	-5.75	0.25-2.25	1.89	2.2	10.0
	-6.00	0.25-2.00	1.62	2.2	10.3
	-6.25	0.25-1.75	2.36	2.2	11.0
	-6.50	0.25-1.50	2.09	2.2	11.3
	-6.75	0.25-1.25	1.83	2.2	11.6
	-7.00	0.25-1.00	1.56	2.2	11.9
	-7.25	0.25-0.75	2.29	2.2	12.7
	-7.50	0.25-0.50	2.03	2.2	13.0
	-7.75	0.25	1.77	2.2	13.4
	-8.00		1.50	2.2	13.7

**SOLA FINISHED HARD RESIN
SINGLE VISION
LENS PARAMETERS**

Dia.	Sphere Power	Cylinder Power	True Curve	Avg. C.T.	Avg. E.T.
Perma-Gard Cat. Code 830 + Sphere			Perma-Gard Cat. Code 834 + on -		
UnCoated Cat. Code 417 + Sphere			UnCoated Cat. Code 437 + on -		
75	+4.00	0.25-2.00	7.49	7.1	1.1
	+3.75	0.25-2.00	7.25	6.7	1.1
	+3.50	0.25-2.00	7.02	6.4	1.1
	+3.25	0.25-2.00	6.78	6.0	1.1
	+3.00	0.25-2.00	7.01	5.6	1.1
	+2.75	0.25-2.00	6.77	5.2	1.1
	+2.50	0.25-2.00	6.52	4.9	1.1
	+2.25	0.25-2.00	6.28	4.5	1.1
	+2.00	0.25-2.00	6.51	4.1	1.1
	+1.75	0.25-2.00	6.27	3.7	1.1
	+1.50	0.25-2.00	6.02	3.4	1.1
	+1.25	0.25-2.00	5.77	3.0	1.1
	+1.00	0.25-2.00	5.99	3.2	1.8
	+0.75	0.25-2.00	5.74	2.9	1.8
	+0.50	0.25-2.00	5.48	2.5	1.8
	+0.25	0.25-2.00	5.23	2.1	1.8
Perma-Gard Cat. Code 832 - Sphere			Perma-Gard Cat. Code 836 - on -		
UnCoated Cat. Code 427 - Sphere			UnCoated Cat. Code 447 - on -		
	0.00	0.25-2.00	5.46	2.0	2.1
	-0.25	0.25-2.00	5.20	2.0	2.5
	-0.50	0.25-2.00	4.94	2.0	2.8
	-0.75	0.25-2.00	4.68	2.0	3.2
	-1.00	0.25-2.00	4.41	2.0	3.6
	-1.25	0.25-2.00	4.65	2.0	4.0
	-1.50	0.25-2.00	4.38	2.0	4.4
	-1.75	0.25-2.00	4.12	2.0	4.8
	-2.00	0.25-2.00	3.86	2.0	5.1
	-2.25	0.25-2.00	4.09	2.0	5.6
	-2.50	0.25-2.00	3.83	2.0	6.0
	-2.75	0.25-2.00	3.56	2.0	6.3
	-3.00	0.25-2.00	3.30	2.0	6.7
	-3.25	0.25-2.00	3.53	2.0	7.2
	-3.50	0.25-2.00	3.27	2.0	7.6
	-3.75	0.25-2.00	3.01	2.0	7.9
	-4.00	0.25-2.00	2.74	2.0	8.3
	-4.25	0.25-1.75	2.97	2.0	8.8
	-4.50	0.25-1.50	2.71	2.0	9.1
	-4.75	0.25-1.25	2.45	2.0	9.5
	-5.00	0.25-1.00	2.18	2.0	9.9
	-5.25	0.25-0.75	2.42	2.0	10.4
	-5.50	0.25-0.50	2.15	2.0	10.8
	-5.75	0.25	1.89	2.0	11.1
	-6.00		1.62	2.0	11.5

**SOLA FINISHED CR-607 HARD RESIN TRANSITIONS VI GRAY
SINGLE VISION
LENS PARAMETERS**

Diameter	Sphere Power	Cylinder Power	True Curve	Avg. C.T.
Cat. Code T55 + Range 65mm				
65	4.00	-0.25-2.00	7.43	5.5
	3.75	-0.25-2.00	7.13	5.2
	3.50	-0.25-2.00	6.85	4.9
	3.25	-0.25-2.00	7.13	4.7
	3.00	-0.25-2.00	6.85	4.4
	2.75	-0.25-2.00	6.60	4.1
	2.50	-0.25-2.00	6.36	3.8
	2.25	-0.25-2.00	6.60	3.6
	2.00	-0.25-1.75	6.36	3.4
	1.75	-0.25-1.50	6.07	3.0
	1.50	-0.25-1.25	5.80	2.8
	1.25	-0.25-1.00	6.07	2.5
	1.00	-0.25-0.75	5.80	2.5
	0.75	-0.25-0.50	5.55	2.3
0.50	-0.25	5.23	2.3	
0.25	Sphere	5.55	2.3	
Cat. Code T21+ Range 70mm				
70	2.00	-2.00	6.36	3.7
	1.75	-1.75-2.00	6.07	3.4
	1.50	-1.50-2.00	5.80	3.1
	1.25	-1.25-2.00	6.07	2.8
	1.00	-1.00-2.00	5.80	2.6
	0.75	-0.75-2.00	5.55	2.3
	0.50	-0.50-2.00	5.23	2.3
	0.25	-0.25-2.00	5.55	2.3
Cat. Code T79 - Range				
70	0.00	-0.25-2.00	5.23	2.3
	-0.25	-0.25-2.00	4.97	2.3
	-0.50	-0.25-2.00	4.71	2.3
	-0.75	-0.25-2.00	4.97	2.3
	-1.00	-0.25-2.00	4.71	2.3
	-1.25	-0.25-2.00	4.53	2.3
	-1.50	-0.25-2.00	4.29	2.3
	-1.75	-0.25-2.00	4.53	2.3
	-2.00	-0.25-2.00	4.29	2.3
	-2.25	-0.25-1.75	4.05	2.3
	-2.50	-0.25-1.50	3.82	2.3
	-2.75	-0.25-1.25	4.05	2.3
	-3.00	-0.25-1.00	3.82	2.3
	-3.25	-0.25-0.75	3.60	2.3
	-3.50	-0.25-0.50	3.37	2.3
	-3.75	-0.25	3.60	2.3
-4.00	Sphere	3.37	2.3	

**SOLA FINISHED HARD RESIN
SINGLE VISION SOLA-GARD
LENS PARAMETERS**

Diameter	Sphere Power	Cylinder Power	True Curve	Avg. C.T.	Avg. E.T.	Lentic Lip
	UnCoated Cat. Code 460 + Sphere			UnCoated Cat. Code 464 + on -		
70	+4.00	0.25-2.00	8.30	7.40 +/- 0.3	2.75	1MM
	+3.75	0.25-2.00	8.00	7.00 +/- 0.3	2.75	1MM
	+3.50	0.25-2.00	7.78	6.40 +/- 0.3	2.75	1MM
	+3.25	0.25-2.00	7.47	6.20 +/- 0.3	2.75	1MM
	+3.00	0.25-2.00	7.22	5.70 +/- 0.3	2.75	1MM
	+2.75	0.25-2.00	6.94	5.40 +/- 0.3	2.75	.5MM
	+2.50	0.25-2.00	7.21	5.70 +/- 0.3	3.20	.5MM
	+2.25	0.25-2.00	6.94	5.40 +/- 0.3	3.20	.5MM
	+2.00	0.25-2.00	7.21	5.40 +/- 0.3	3.20	.5MM
	+1.75	0.25-2.00	6.93	5.40 +/- 0.3	3.20	.5MM
	+1.50	0.25-2.00	6.65	5.00 +/- 0.3	3.20	.5MM
	+1.25	0.25-2.00	6.36	4.70 +/- 0.3	3.20	.5MM
	+1.00	0.25-2.00	6.87	4.40 +/- 0.3	3.20	.5MM
	+0.75	0.25-2.00	6.57	4.20 +/- 0.3	3.20	.5MM
	+0.50	0.25-2.00	6.33	3.80 +/- 0.3	3.20	.5MM
	+0.25	0.25-2.00	6.11	3.60 +/- 0.3	3.20	.5MM
	UnCoated Cat. Code 462 - Sphere			UnCoated Cat. Code 466 - on -		
	0.00	0.25-2.00	5.84	3.40 +/- 0.3		.5MM
	-0.25	0.25-2.00	5.58	3.40 +/- 0.3		0MM
	-0.50	0.25-2.00	5.29	3.40 +/- 0.3		0MM
	-0.75	0.25-2.00	5.00	3.40 +/- 0.3		0MM
	-1.00	0.25-2.00	4.76	3.40 +/- 0.3		0MM
	-1.25	0.25-2.00	5.23	3.40 +/- 0.3		0MM
	-1.50	0.25-2.00	4.97	3.40 +/- 0.3		0MM
	-1.75	0.25-2.00	4.67	3.40 +/- 0.3		0MM
	-2.00	0.25-2.00	4.36	3.40 +/- 0.3		0MM
	-2.25	0.25-2.00	4.62	3.40 +/- 0.3		0MM
	-2.50	0.25-2.00	4.35	3.40 +/- 0.3		0MM
	-2.75	0.25-2.00	4.08	3.40 +/- 0.3		0MM
	-3.00	0.25-2.00	3.83	3.40 +/- 0.3		0MM
	-3.25	0.25-2.00	4.02	3.40 +/- 0.3		0MM
	-3.50	0.25-2.00	3.77	3.40 +/- 0.3		0MM
	-3.75	0.25-2.00	3.49	3.40 +/- 0.3		0MM
	-4.00	0.25-2.00	3.22	3.40 +/- 0.3		0MM

**SOLA FINISHED HARD RESIN
FLAT-TOP 28
LENS PARAMETERS**

Diameter	Sphere Power	Add Power	True Curve	Avg. C.T.	Avg. E.T.	Distance O.C.	Seg Inset	Seg Drop
UnCoated Cat. Code 356								
68	0.00	1.00-3.00	5.75	2.2	2.2	2 IN	6 IN	6 DN
	+0.25	1.00-3.00	6.00	2.2	1.8	2 IN	6 IN	6 DN
	+0.50	1.00-3.00	6.25	2.3	1.8	2 IN	6 IN	6 DN
	+0.75	1.00-3.00	6.50	2.9	1.8	2 IN	6 IN	6 DN
	+1.00	1.00-3.00	6.75	3.0	1.5	2 IN	6 IN	6 DN
	+1.25	1.00-3.00	6.25	3.4	1.5	2 IN	6 IN	6 DN
	+1.50	1.00-3.00	6.62	3.8	1.5	2 IN	6 IN	6 DN
	+1.75	1.00-3.00	6.87	4.3	1.5	2 IN	6 IN	6 DN
	+2.00	1.00-3.00	7.12	4.4	1.2	2 IN	6 IN	6 DN
	+2.25	1.00-3.00	6.87	4.7	1.2	2 IN	6 IN	6 DN
	+2.50	1.00-3.00	7.12	5.1	1.2	2 IN	6 IN	6 DN
	+2.75	1.00-3.00	7.37	5.5	1.2	2 IN	6 IN	6 DN
	+3.00	1.00-3.00	7.75	6.0	1.2	2 IN	6 IN	6 DN

**SOLA FINISHED HARD RESIN
BLENDED 22 BIFOCAL
LENS PARAMETERS**

Diameter	Sphere Power	Add Power	True Curve	Avg. C.T.	Distance E.T.	Location
Hard Resin Blend 22				UnCoated Cat. Code 396		
Blend Width 3mm, Blend 4mm Below OC						
68	0.00	0.75-3.00	5.75	2.2	2.2	7 DN
	+0.25	0.75-3.00	6.00	2.1	1.8	7 DN
	+0.50	0.75-3.00	6.25	2.4	1.8	7 DN
	+0.75	0.75-3.00	6.50	2.8	1.8	7 DN
	+1.00	0.75-3.00	6.75	2.8	1.5	7 DN
	+1.25	0.75-3.00	6.25	3.1	1.5	7 DN
	+1.50	0.75-3.00	6.62	3.5	1.5	7 DN
	+1.75	0.75-3.00	6.87	3.8	1.5	7 DN
	+2.00	0.75-3.00	7.12	3.8	1.2	7 DN
	+2.25	0.75-3.00	6.87	4.1	1.2	7 DN
	+2.50	0.75-3.00	7.12	4.5	1.2	7 DN
	+2.75	0.75-3.00	7.37	4.8	1.2	7 DN
	+3.00	0.75-3.00	7.75	5.2	1.2	7 DN

**SOLA FINISHED HARD RESIN
SINGLE VISION PLANOS 71mm/76mm
LENS PARAMETERS**

Cat. Code	Dia.	Sphere Power	True Curve	C.T.	Color
6571618.00000	71	PLANO	6.00	1.8	Clear
6571622.00000	71	PLANO	6.00	2.2	Clear
6571632.00000	71	PLANO	6.00	3.2	Clear
6171618.07020	71	PLANO	6.00	1.8	Brown Shadow - Solid
6271618.07010	71	PLANO	6.00	1.8	Grey Mist - Gradient
8576618.00000	76	PLANO	6.00	1.8	Clear
8576622.00000	76	PLANO	6.00	2.2	Clear