



Single Vision - Fact Sheets

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.74 DuraVision Platinum

1. Customer Product Codes

EDI	CAT Code:	LGC	LGC Description	Notes	FDA
11006	N21	T6383	ZEISS FSV AS 174 DVP 70- --D	Country of origin on Envelope	Yes
	N22	T6393	ZEISS FSV AS 174 DVP 75- --D		

2. Material & Coating Specifications:

Type	1.74
Refractive Index	$n_d = 1.731$ $n_e = 1.738$
Abbe Number	$v_d = 32.6$ $v_e = 32$
Density	1.47 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	DuraVision Platinum
Coating Appearance	Blue residual reflection colour

3. Design:

Power Range (D)	Design	Diameter
- 2.25 to -8.00	Aspheric	75 mm
- 8.25 to -12.00	Aspheric	70 mm

4. Product Markings:

A Trademark Logo located on Back (concave) Surface of the lens

Example of Trademark Logo:	Dimensions of Trademark Logo:	

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Product Name

ZEISS Finished SV AS 1.74 DuraVision Platinum

5. Product Range:

Minus Cylinder									
	0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00
-200									
-250									
-300									
-350									
-400									
-450									
-500				75					
-550									
-600									
-650									
-700									
-750									
-800									
-850									
-900									
-950				70					
-1000									
-1050									
-1100									
-1150									
-1200									

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Product Name ZEISS Finished SV AS 1.74 DuraVision Platinum

6. Lens Geometry:

- Note : 1 The Lens Geometry values are indicative, calculated using target Front Curves and CT values.
2 All lenses must be 1.0mm CT or thicker

Lens Centre Thickness Tolerance

Nominal Sphere Power (D)	Centre Thickness Tolerance (mm)
All Powers	-0.1 / +0.3mm

(Nominal Values) 75 mm Minus Range (Sphere Geometry) in 1.530 Index									
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (-0.1,+0.3) (mm)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (-0.1,+0.3) (mm)	Edge Thickness (mm)
-2.25	1.52	3.16	1.10	3.3	-5.25	0.86	4.66	1.10	6.3
-2.50	1.52	3.32	1.10	3.6	-5.50	0.86	4.89	1.10	6.6
-2.75	1.52	3.52	1.10	3.8	-5.75	0.86	5.05	1.10	6.9
-3.00	1.52	3.70	1.10	4.1	-6.00	0.86	5.22	1.10	7.1
-3.25	1.35	3.70	1.10	4.3	-6.25	0.65	5.19	1.10	7.4
-3.50	1.35	3.86	1.10	4.6	-6.50	0.65	5.37	1.10	7.6
-3.75	1.35	4.07	1.10	4.8	-6.75	0.65	5.58	1.10	7.9
-4.00	1.35	4.25	1.10	5.1	-7.00	0.65	5.75	1.10	8.2
-4.25	1.09	4.19	1.10	5.3	-7.25	0.47	5.72	1.10	8.4
-4.50	1.09	4.38	1.10	5.6	-7.50	0.47	5.92	1.10	8.7
-4.75	1.09	4.59	1.10	5.8	-7.75	0.47	6.10	1.10	9.0
-5.00	1.09	4.74	1.10	6.1	-8.00	0.47	6.23	1.10	9.3

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index									
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (-0.1,+0.3) (mm)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (-0.1,+0.3) (mm)	Edge Thickness (mm)
-8.25	0.43	6.43	1.10	9.5	-9.75	0.43	7.50	1.10	11.3
-8.50	0.43	6.58	1.10	9.8	-10.00	0.43	7.64	1.10	11.6
-8.75	0.43	6.78	1.10	10.1	-10.50	0.43	7.94	1.10	12.2
-9.00	0.43	6.96	1.10	10.4	-11.00	0.43	8.30	1.10	12.9
-9.25	0.43	7.07	1.10	10.7	-11.50	0.43	8.66	1.10	13.6
-9.50	0.43	7.28	1.10	11.0	-12.00	0.43	9.02	1.10	14.3

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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.67 DuraVision Platinum

1. Customer Product Codes

EDI	Name	Range	LGC	CAT
10645	ZEISS Finished SV AS 1.67 DuraVision Platinum	65	T5691	H73
		70	T5701	H74
			T5702	
			T5703	H75
		75	T5713	H76

2. Product Features:

Material	1.67
Refractive Index	$n_d = 1.659$ (Helium 'd' line 587.56nm) $n_e = 1.664$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 32$ $v_e = 32$
Density	1.35 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 %
Coating	DuraVision Platinum Blue rest reflex Premium scratch resistance Anti-static, Dirt and dust repellent Easy cleaning function, Water and oil repellent

3. Design:

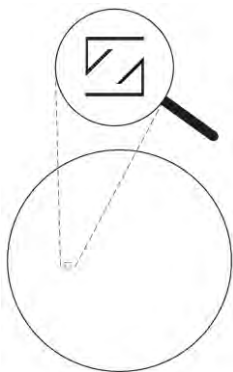
Power Range	Design	Diameter
+6.00 to +02.25	Aspheric	65 mm
+2.00 to +00.25	Aspheric	70 mm
0.00 to -06.00	Aspheric	75 mm
-6.25 to -10.00	Aspheric	70 mm

4. Product Markings:

ZEISS LOGO – LASER ENGRAVED

The engraving is located on the Concave surface (back) of the lens, measuring 2.0 x 2.0 mm.

Example of Trademark Logo:



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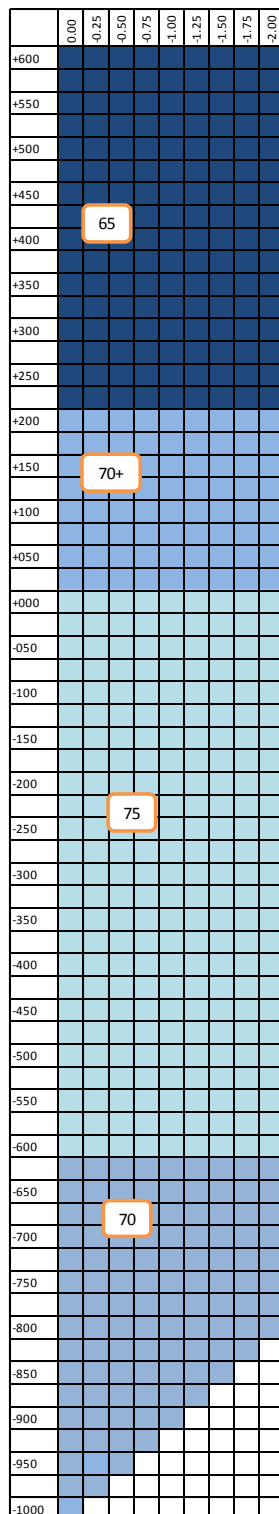
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Product Name

ZEISS Finished SV AS 1.67 DuraVision Platinum

5. Product Range (Minus Cylinder):



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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.67 DuraVision Platinum

6. Lens Geometry

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index				
Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)
+6.00	6.33	-1.58	5.40	1.05
+5.75	6.13	-1.58	5.20	1.05
+5.50	5.93	-1.58	5.00	1.05
+5.25	5.74	-1.58	4.80	1.05
+5.00	5.54	-1.58	4.60	1.05
+4.75	5.34	-1.58	4.40	1.05
+4.50	5.54	-1.98	4.30	1.05
+4.25	5.34	-1.98	4.10	1.05
+4.00	5.14	-1.98	3.90	1.05
+3.75	4.94	-1.98	3.70	1.05
+3.50	4.75	-1.98	3.50	1.05
+3.25	4.55	-1.98	3.30	1.05
+3.00	4.75	-2.37	3.10	1.05
+2.75	4.55	-2.37	2.90	1.05
+2.50	4.35	-2.37	2.70	1.05
+2.25	4.15	-2.37	2.50	1.05

(Nominal Values) 70 mm Plus Range (Sphere Geometry) in 1.530 Index				
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)
+2.00	4.35	-2.77	2.70	1.10
+1.75	4.15	-2.77	2.60	1.10
+1.50	3.96	-2.77	2.50	1.30
+1.25	3.76	-2.77	2.40	1.30
+1.00	3.96	-3.16	2.30	1.50
+0.75	3.76	-3.16	2.20	1.60
+0.50	3.56	-3.16	2.10	1.70
+0.25	3.36	-3.16	2.00	1.70

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.67 DuraVision Platinum

6. Lens Geometry (continued)

(Nominal Values) 75 mm Minus Range (Sphere Geometry) in 1.530 Index				
Power (D)	FrontCurve (D)	Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)
0.00	3.16	-3.16	2.00	2.10
-0.25	2.97	-3.16	1.90	2.15
-0.50	2.77	-3.16	1.80	2.30
-0.75	2.57	-3.16	1.70	2.50
-1.00	2.37	-3.16	1.60	2.60
-1.25	2.57	-3.56	1.50	2.70
-1.50	2.37	-3.56	1.40	2.90
-1.75	2.18	-3.56	1.30	3.00
-2.00	1.98	-3.56	1.10	3.10
-2.25	2.18	-3.96	1.10	3.30
-2.50	1.98	-3.96	1.10	3.60
-2.75	1.78	-3.96	1.10	3.80
-3.00	1.58	-3.96	1.10	4.10
-3.25	1.78	-4.35	1.10	4.40
-3.50	1.58	-4.35	1.10	4.60
-3.75	1.38	-4.35	1.10	4.90
-4.00	1.19	-4.35	1.10	5.10
-4.25	1.38	-4.75	1.10	5.40
-4.50	1.19	-4.75	1.10	5.70
-4.75	0.99	-4.75	1.10	6.00
-5.00	0.79	-4.75	1.10	6.30
-5.25	0.99	-5.14	1.10	6.50
-5.50	0.79	-5.14	1.10	6.80
-5.75	0.59	-5.14	1.10	7.00
-6.00	0.40	-5.14	1.10	7.20

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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.67 DuraVision Platinum

6. Lens Geometry (continued)

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index				
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)
-6.25	0.99	-5.93	1.10	6.70
-6.50	0.79	-5.93	1.10	7.20
-6.75	0.59	-5.93	1.10	7.20
-7.00	0.40	-5.93	1.10	7.50
-7.25	0.99	-6.72	1.10	7.80
-7.50	0.79	-6.72	1.10	8.00
-7.75	0.59	-6.72	1.10	8.30
-8.00	0.40	-6.72	1.10	8.50
-8.25	0.99	-7.51	1.10	8.80
-8.50	0.79	-7.51	1.10	9.10
-8.75	0.59	-7.51	1.10	9.40
-9.00	0.40	-7.51	1.10	9.60
-9.25	0.99	-8.31	1.10	10.10
-9.50	0.79	-8.31	1.10	10.30
-9.75	0.59	-8.31	1.10	10.50
-10.00	0.40	-8.31	1.10	10.80

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.67 DuraVision Platinum

7. Label:



8. Envelope:

ZEISS SL Universal Substrate CE & USFDA Marked

Dimensions: 85W x 93H x 19G + 50F (Width, Height, Gusset, Flap – all dimensions in mm)



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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.67 DuraVision Silver

1. Customer Product Codes:

EDI	Name	Range	LGC	CAT
10647	ZEISS Finished SV AS 1.67 DuraVision Silver	65	T5721	H77
		70	T5731	H78
			T5732	
			T5733	H79
		75	T5743	H80

2. Product Features:

Material	1.67
Refractive Index	$n_d = 1.659$ (Helium 'd' line 587.56nm) $n_e = 1.664$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 32$ $v_e = 32$
Density	1.35 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 %
Coating	DuraVision Silver Blue rest reflex Scratch resistance Anti-static, Dirt and dust repellent Easy cleaning function, Water and oil repellent

3. Design:

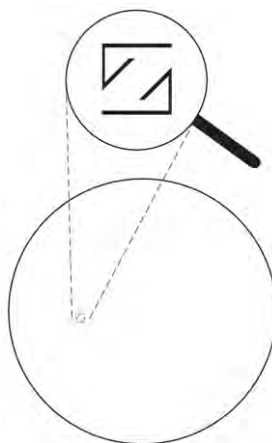
Power Range	Design	Diameter
+6.00 to +2.25	Aspheric	65 mm
+2.00 to +0.25	Aspheric	70 mm
0.00 to -6.00	Aspheric	75 mm
-6.25 to -10.00	Aspheric	70 mm

4. Product Markings:

ZEISS LOGO – LASER ENGRAVED

The engraving is located on the Concave surface (back) of the lens, measuring 2.0 x 2.0 mm.

Example of Trademark Logo:



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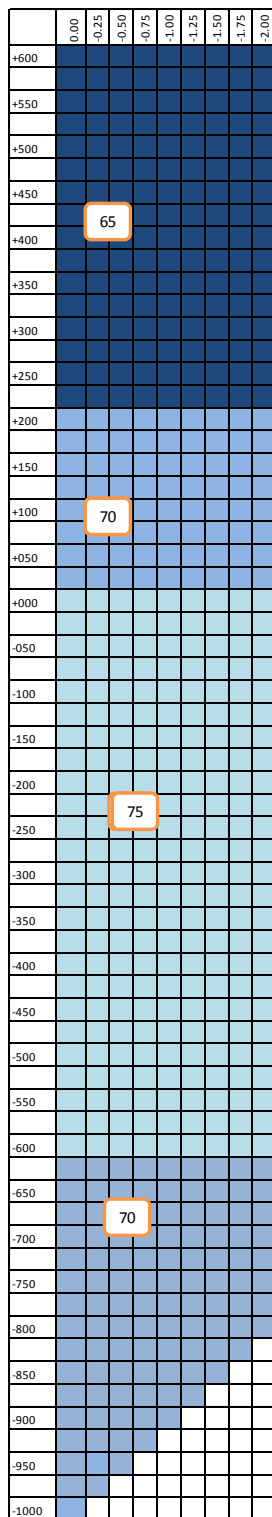
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Product Name

ZEISS Finished SV AS 1.67 DuraVision Silver

5. Product Range:



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Product Name ZEISS Finished SV AS 1.67 DuraVision Silver

6. Lens Geometry:

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index				
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)
+6.00	6.33	-1.58	5.40	1.05
+5.75	6.13	-1.58	5.20	1.05
+5.50	5.93	-1.58	5.00	1.05
+5.25	5.74	-1.58	4.80	1.05
+5.00	5.54	-1.58	4.60	1.05
+4.75	5.34	-1.58	4.40	1.05
+4.50	5.54	-1.98	4.30	1.05
+4.25	5.34	-1.98	4.10	1.05
+4.00	5.14	-1.98	3.90	1.05
+3.75	4.94	-1.98	3.70	1.05
+3.50	4.75	-1.98	3.50	1.05
+3.25	4.55	-1.98	3.30	1.05
+3.00	4.75	-2.37	3.10	1.05
+2.75	4.55	-2.37	2.90	1.05
+2.50	4.35	-2.37	2.70	1.05
+2.25	4.15	-2.37	2.50	1.05

(Nominal Values) 70 mm Plus Range (Sphere Geometry) in 1.530 Index				
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)
+2.00	4.35	-2.77	2.70	1.10
+1.75	4.15	-2.77	2.60	1.10
+1.50	3.96	-2.77	2.50	1.30
+1.25	3.76	-2.77	2.40	1.30
+1.00	3.96	-3.16	2.30	1.50
+0.75	3.76	-3.16	2.20	1.60
+0.50	3.56	-3.16	2.10	1.70
+0.25	3.36	-3.16	2.00	1.70

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Product Name ZEISS Finished SV AS 1.67 DuraVision Silver

6. Lens Geometry (continued):

(Nominal Values) 75 mm Minus Range (Sphere Geometry) in 1.530 Index				
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)
0.00	3.16	-3.16	2.00	2.10
-0.25	2.97	-3.16	1.90	2.15
-0.50	2.77	-3.16	1.80	2.30
-0.75	2.57	-3.16	1.70	2.50
-1.00	2.37	-3.16	1.60	2.60
-1.25	2.57	-3.56	1.50	2.70
-1.50	2.37	-3.56	1.40	2.90
-1.75	2.18	-3.56	1.30	3.00
-2.00	1.98	-3.56	1.10	3.10
-2.25	2.18	-3.96	1.10	3.30
-2.50	1.98	-3.96	1.10	3.60
-2.75	1.78	-3.96	1.10	3.80
-3.00	1.58	-3.96	1.10	4.10
-3.25	1.78	-4.35	1.10	4.40
-3.50	1.58	-4.35	1.10	4.60
-3.75	1.38	-4.35	1.10	4.90
-4.00	1.19	-4.35	1.10	5.10
-4.25	1.38	-4.75	1.10	5.40
-4.50	1.19	-4.75	1.10	5.70
-4.75	0.99	-4.75	1.10	6.00
-5.00	0.79	-4.75	1.10	6.30
-5.25	0.99	-5.14	1.10	6.50
-5.50	0.79	-5.14	1.10	6.80
-5.75	0.59	-5.14	1.10	7.00
-6.00	0.40	-5.14	1.10	7.20

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Product Name

ZEISS Finished SV AS 1.67 DuraVision Silver

6. Lens Geometry (continued):

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index				
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)
-6.25	0.99	-5.93	1.10	6.70
-6.50	0.79	-5.93	1.10	7.20
-6.75	0.59	-5.93	1.10	7.20
-7.00	0.40	-5.93	1.10	7.50
-7.25	0.99	-6.72	1.10	7.80
-7.50	0.79	-6.72	1.10	8.00
-7.75	0.59	-6.72	1.10	8.30
-8.00	0.40	-6.72	1.10	8.50
-8.25	0.99	-7.51	1.10	8.80
-8.50	0.79	-7.51	1.10	9.10
-8.75	0.59	-7.51	1.10	9.40
-9.00	0.40	-7.51	1.10	9.60
-9.25	0.99	-8.31	1.10	10.10
-9.50	0.79	-8.31	1.10	10.30
-9.75	0.59	-8.31	1.10	10.50
-10.00	0.40	-8.31	1.10	10.80

Document Number: Z00613.FS1

For External Distribution

Reviewed by: Lars Mendel 16 Jul 2015

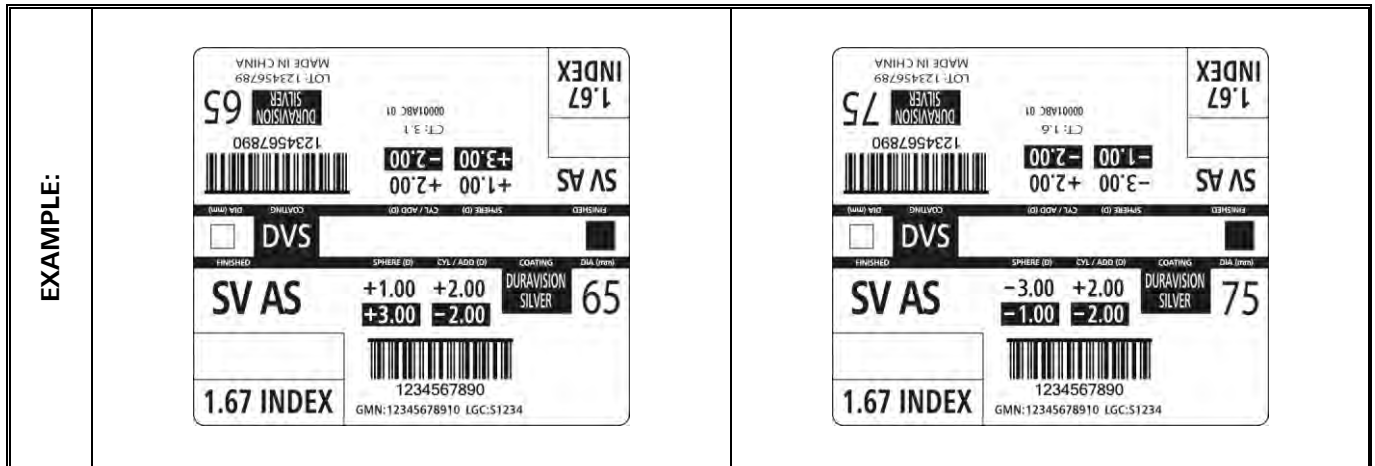
Page 5 of 6

PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.67 DuraVision Silver

7. Label:



8. Envelope:

ZEISS SL Universal Substrate CE & USFDA Marked

Dimensions: 85W x 93H x 19G + 50F (Width, Height, Gusset, Flap – all dimensions in mm)



Document Number: Z00613.FS1

For External Distribution

Reviewed by: Lars Mendel 16 Jul 2015

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PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.67 HMCX [USA]

1. Customer Product Codes

EDI :	CAT:	LGC:	LGC Description:	Notes:	FDA:
7524	H64	T5981	SYNC FSV AS 167 HMCX 65+ -BF	Country of origin required on packaging	Yes
	H65	T5991	SYNC FSV AS 167 HMCX 70+ -BF		
		T5992	SYNC FSV AS 167 HMCX 70X -BF		
	H66	T5993	SYNC FSV AS 167 HMCX 70- -BF		
	H67	T6003	SYNC FSV AS 167 HMCX 75- -BF		

2. Material & Coating Specifications:

Type	1.67 MR7
Refractive Index	$n_d = 1.659$ $n_e = 1.664$
Abbe Number	$v_d = 32$ $v_e = 32$
Density	1.35 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	HMCX Multi Coated
Appearance	Green residual reflection colour

3. Design:

Power Range	Design	Diameter
+6.00 to +2.25	Aspheric	65 mm
+2.00 to +0.25	Aspheric	70 mm
0.00 to -6.00	Aspheric	75 mm
-6.25 to -10.00	Aspheric	70 mm

4. Product Markings: None

Document Number: 00518.FS1	Reviewed by: Geoff Riley, 21 Mar 2016
For External Distribution	Page 1 of 4

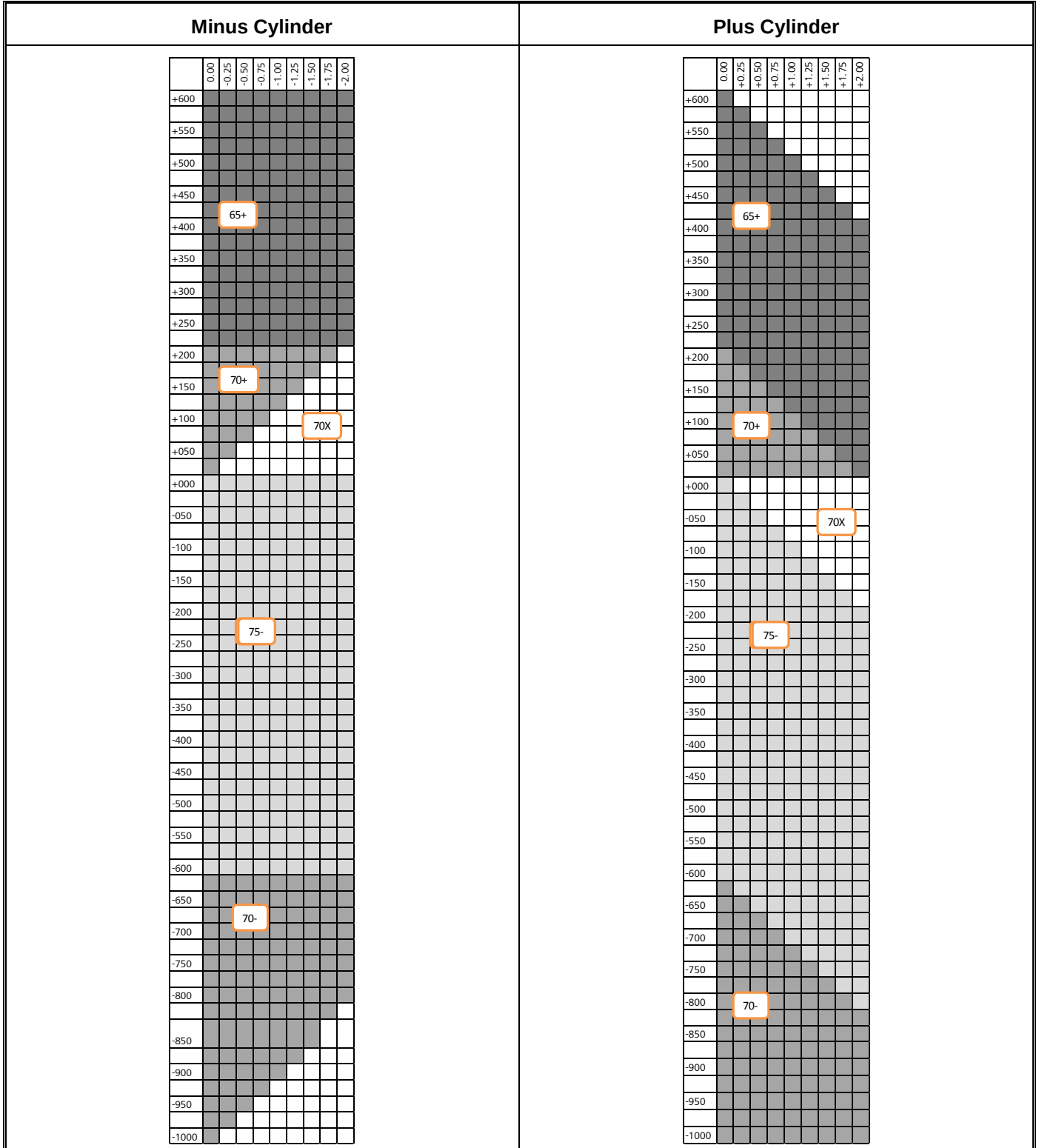
PRODUCT FACT SHEET



Product Name

synchrony Finished SV AS 1.67 HMCX [USA]

5. Product Range:



Document Number: 00518.FS1

For External Distribution

Reviewed by: Geoff Riley, 21 Mar 2016

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PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.67 HMCX [USA]

6. Lens Geometry:

Notes

- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
- 2: All curves are in 1.530 Index and all dimensions are in millimetres
- 3: No lens to be sold with a CT under 1.0mm

Lens Centre Thickness Tolerance

Lens Power Range (D)	Centre Thickness Tolerance
All	±0.20 mm

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm)
+6.00	6.33	-1.58	5.40	1.05	+4.00	5.14	-1.98	3.90	1.05
+5.75	6.13	-1.58	5.20	1.05	+3.75	4.94	-1.98	3.70	1.05
+5.50	5.93	-1.58	5.00	1.05	+3.50	4.75	-1.98	3.50	1.05
+5.25	5.74	-1.58	4.80	1.05	+3.25	4.55	-1.98	3.30	1.05
+5.00	5.54	-1.58	4.60	1.05	+3.00	4.75	-2.37	3.10	1.05
+4.75	5.34	-1.58	4.40	1.05	+2.75	4.55	-2.37	2.90	1.05
+4.50	5.54	-1.98	4.30	1.05	+2.50	4.35	-2.37	2.70	1.05
+4.25	5.34	-1.98	4.10	1.05	+2.25	4.15	-2.37	2.50	1.05

(Nominal Values) 70 mm Plus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm)
+2.00	4.35	-2.77	2.70	1.10	+1.00	3.96	-3.16	2.30	1.50
+1.75	4.15	-2.77	2.60	1.10	+0.75	3.76	-3.16	2.20	1.60
+1.50	3.96	-2.77	2.50	1.30	+0.50	3.56	-3.16	2.10	1.70
+1.25	3.76	-2.77	2.40	1.30	+0.25	3.36	-3.16	2.00	1.70

Document Number: 00518.FS1

For External Distribution

Reviewed by: Geoff Riley, 21 Mar 2016

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV AS 1.67 HMCX [USA]

(Nominal Values) 75 mm Minus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm)
0.00	3.16	-3.16	2.00	2.10	-3.25	1.78	-4.35	1.20	4.40
-0.25	2.97	-3.16	1.90	2.15	-3.50	1.58	-4.35	1.20	4.60
-0.50	2.77	-3.16	1.80	2.30	-3.75	1.38	-4.35	1.20	4.90
-0.75	2.57	-3.16	1.70	2.50	-4.00	1.19	-4.35	1.20	5.10
-1.00	2.37	-3.16	1.60	2.60	-4.25	1.38	-4.75	1.20	5.40
-1.25	2.57	-3.56	1.50	2.70	-4.50	1.19	-4.75	1.20	5.70
-1.50	2.37	-3.56	1.40	2.90	-4.75	0.99	-4.75	1.20	6.00
-1.75	2.18	-3.56	1.30	3.00	-5.00	0.79	-4.75	1.20	6.30
-2.00	1.98	-3.56	1.20	3.10	-5.25	0.99	-5.14	1.20	6.50
-2.25	2.18	-3.96	1.20	3.30	-5.50	0.79	-5.14	1.20	6.80
-2.50	1.98	-3.96	1.20	3.60	-5.75	0.59	-5.14	1.20	7.00
-2.75	1.78	-3.96	1.20	3.80	-6.00	0.40	-5.14	1.20	7.20
-3.00	1.58	-3.96	1.20	4.10					

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm)
-6.25	0.99	-5.93	1.20	6.70	-8.25	0.99	-7.51	1.20	8.80
-6.50	0.79	-5.93	1.20	7.20	-8.50	0.79	-7.51	1.20	9.10
-6.75	0.59	-5.93	1.20	7.20	-8.75	0.59	-7.51	1.20	9.40
-7.00	0.40	-5.93	1.20	7.50	-9.00	0.40	-7.51	1.20	9.60
-7.25	0.99	-6.72	1.20	7.80	-9.25	0.99	-8.31	1.20	10.10
-7.50	0.79	-6.72	1.20	8.00	-9.50	0.79	-8.31	1.20	10.30
-7.75	0.59	-6.72	1.20	8.30	-9.75	0.59	-8.31	1.20	10.50
-8.00	0.40	-6.72	1.20	8.50	-10.00	0.40	-8.31	1.20	10.80

Document Number: 00518.FS1

For External Distribution

Reviewed by: Geoff Riley, 21 Mar 2016

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Product Fact Sheet

Substrate : **MR-7®**
Product Name : **1.67 TEFLON® F2 ASPHERICAL SINGLE VISION
(IMPACT RESISTANT)**
Product Type : **FINISHED LENS**
Reference : 00100.FS2
Date : 12 Jan 2009

Page : 1 of 3

Product Range:

- CYL														- CYL									
-SPH	-	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	+SPH	-	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
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12.00																							

Cat Code:
G56

Cat Code:
G57

For External Distribution

The 'eye' logo and SOLA are trademarks of Carl Zeiss Vision Inc.
Teflon is a registered Trademark of E.I du Pont de Nemours Inc.
MR-7 is a trademark of Mitsui Chemicals Inc.

Material & Coating Specifications:

Type	1.67 (MR-7)
Refractive Index	$n_e = 1.6636$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_e = 32$
Density	1.35 g.cm^{-3}
UV Protection	UVA: 100% ; UVB: 100%
Coating	Teflon® F2 (primer + hardcoat+ AR+ topcoat)

Lens Geometry:

65 mm Plus Range (Sphere Geometry) in 1.530 Index (Nominal Values)									
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) (±0.20)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) (±0.20)
+6.00	6.33	-1.58	5.40	1.05	+4.00	5.14	-1.98	3.90	1.05
+5.75	6.13	-1.58	5.20	1.05	+3.75	4.94	-1.98	3.70	1.05
+5.50	5.93	-1.58	5.00	1.05	+3.50	4.75	-1.98	3.50	1.05
+5.25	5.74	-1.58	4.80	1.05	+3.25	4.55	-1.98	3.30	1.05
+5.00	5.54	-1.58	4.60	1.05	+3.00	4.75	-2.37	3.10	1.05
+4.75	5.34	-1.58	4.40	1.05	+2.75	4.55	-2.37	2.90	1.05
+4.50	5.54	-1.98	4.30	1.05	+2.50	4.35	-2.37	2.70	1.05
+4.25	5.34	-1.98	4.10	1.05	+2.25	4.15	-2.37	2.50	1.05

70 mm Plus Range (Sphere Geometry) in 1.530 Index (Nominal Values)									
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) (±0.20)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) (±0.20)
+2.00	4.35	-2.77	2.70	1.10	+1.00	3.96	-3.16	2.30	1.50
+1.75	4.15	-2.77	2.60	1.10	+0.75	3.76	-3.16	2.20	1.60
+1.50	3.96	-2.77	2.50	1.30	+0.50	3.56	-3.16	2.10	1.70
+1.25	3.76	-2.77	2.40	1.30	+0.25	3.36	-3.16	2.00	1.70

75 mm Minus Range (Sphere Geometry) in 1.530 Index (Nominal Values)

Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)
0.00	3.16	-3.16	2.00	2.10	-3.25	1.78	-4.35	1.10	4.40
-0.25	2.97	-3.16	1.90	2.15	-3.50	1.58	-4.35	1.10	4.60
-0.50	2.77	-3.16	1.80	2.30	-3.75	1.38	-4.35	1.10	4.90
-0.75	2.57	-3.16	1.70	2.50	-4.00	1.19	-4.35	1.10	5.10
-1.00	2.37	-3.16	1.60	2.60	-4.25	1.38	-4.75	1.10	5.40
-1.25	2.57	-3.56	1.50	2.70	-4.50	1.19	-4.75	1.10	5.70
-1.50	2.37	-3.56	1.40	2.90	-4.75	0.99	-4.75	1.10	6.00
-1.75	2.18	-3.56	1.30	3.00	-5.00	0.79	-4.75	1.10	6.30
-2.00	1.98	-3.56	1.10	3.10	-5.25	0.99	-5.14	1.10	6.50
-2.25	2.18	-3.96	1.10	3.30	-5.50	0.79	-5.14	1.10	6.80
-2.50	1.98	-3.96	1.10	3.60	-5.75	0.59	-5.14	1.10	7.00
-2.75	1.78	-3.96	1.10	3.80	-6.00	0.40	-5.14	1.10	7.20
-3.00	1.58	-3.96	1.10	4.10					

70 mm Minus Range (Sphere Geometry) in 1.530 Index (Nominal Values)

Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)
-6.25	0.99	-5.93	1.10	6.70	-9.25	0.99	-8.31	1.10	10.10
-6.50	0.79	-5.93	1.10	7.20	-9.50	0.79	-8.31	1.10	10.30
-6.75	0.59	-5.93	1.10	7.20	-9.75	0.59	-8.31	1.10	10.50
-7.00	0.40	-5.93	1.10	7.50	-10.00	0.40	-8.31	1.10	10.80
-7.25	0.99	-6.72	1.10	7.80	-10.25	0.99	-9.10	1.10	11.30
-7.50	0.79	-6.72	1.10	8.00	-10.50	0.79	-9.10	1.10	11.60
-7.75	0.59	-6.72	1.10	8.30	-10.75	0.59	-9.10	1.10	11.80
-8.00	0.40	-6.72	1.10	8.50	-11.00	0.40	-9.10	1.10	12.10
-8.25	0.99	-7.51	1.10	8.80	-11.25	0.99	-9.89	1.10	12.60
-8.50	0.79	-7.51	1.10	9.10	-11.50	0.79	-9.89	1.10	12.90
-8.75	0.59	-7.51	1.10	9.40	-11.75	0.59	-9.89	1.10	13.10
-9.00	0.40	-7.51	1.10	9.60	-12.00	0.40	-9.89	1.10	13.30

Substrate : **MR-7®**

Product Name : **1.67 HARDCOATED ASPHERICAL SINGLE VISION
(IMPACT RESISTANT)**

Product Type : **FINISHED LENS**

Reference : 00101.FS2

Date : 12 Jan 2009

Page : 1 of 3

Product Range:

- CYL														- CYL									
-SPH	-	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	+SPH	-	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
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Cat Code:
G60

Cat Code:
G61

Cat Code:
G62

Cat Code:
G63

For External Distribution

Material & Coating Specifications:

Type	1.67 (MR-7)
Refractive Index	$n_e = 1.6636$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_e = 32$
Density	1.35 g.cm^{-3}
UV Protection	UVA: 100% ; UVB: 100%
Coating	HC (primer + hardcoat)

Lens Geometry:

65 mm Plus Range (Sphere Geometry) in 1.530 Index (Nominal Values)									
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)
+6.00	6.33	-1.58	5.40	1.05	+4.00	5.14	-1.98	3.90	1.05
+5.75	6.13	-1.58	5.20	1.05	+3.75	4.94	-1.98	3.70	1.05
+5.50	5.93	-1.58	5.00	1.05	+3.50	4.75	-1.98	3.50	1.05
+5.25	5.74	-1.58	4.80	1.05	+3.25	4.55	-1.98	3.30	1.05
+5.00	5.54	-1.58	4.60	1.05	+3.00	4.75	-2.37	3.10	1.05
+4.75	5.34	-1.58	4.40	1.05	+2.75	4.55	-2.37	2.90	1.05
+4.50	5.54	-1.98	4.30	1.05	+2.50	4.35	-2.37	2.70	1.05
+4.25	5.34	-1.98	4.10	1.05	+2.25	4.15	-2.37	2.50	1.05

70 mm Plus Range (Sphere Geometry) in 1.530 Index (Nominal Values)									
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)
+2.00	4.35	-2.77	2.70	1.10	+1.00	3.96	-3.16	2.30	1.50
+1.75	4.15	-2.77	2.60	1.10	+0.75	3.76	-3.16	2.20	1.60
+1.50	3.96	-2.77	2.50	1.30	+0.50	3.56	-3.16	2.10	1.70
+1.25	3.76	-2.77	2.40	1.30	+0.25	3.36	-3.16	2.00	1.70

75 mm Minus Range (Sphere Geometry) in 1.530 Index (Nominal Values)

Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)
0.00	3.16	-3.16	2.00	2.10	-3.25	1.78	-4.35	1.10	4.40
-0.25	2.97	-3.16	1.90	2.15	-3.50	1.58	-4.35	1.10	4.60
-0.50	2.77	-3.16	1.80	2.30	-3.75	1.38	-4.35	1.10	4.90
-0.75	2.57	-3.16	1.70	2.50	-4.00	1.19	-4.35	1.10	5.10
-1.00	2.37	-3.16	1.60	2.60	-4.25	1.38	-4.75	1.10	5.40
-1.25	2.57	-3.56	1.50	2.70	-4.50	1.19	-4.75	1.10	5.70
-1.50	2.37	-3.56	1.40	2.90	-4.75	0.99	-4.75	1.10	6.00
-1.75	2.18	-3.56	1.30	3.00	-5.00	0.79	-4.75	1.10	6.30
-2.00	1.98	-3.56	1.10	3.10	-5.25	0.99	-5.14	1.10	6.50
-2.25	2.18	-3.96	1.10	3.30	-5.50	0.79	-5.14	1.10	6.80
-2.50	1.98	-3.96	1.10	3.60	-5.75	0.59	-5.14	1.10	7.00
-2.75	1.78	-3.96	1.10	3.80	-6.00	0.40	-5.14	1.10	7.20
-3.00	1.58	-3.96	1.10	4.10					

70 mm Minus Range (Sphere Geometry) in 1.530 Index (Nominal Values)

Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)
-6.25	0.99	-5.93	1.10	6.70	-9.25	0.99	-8.31	1.10	10.10
-6.50	0.79	-5.93	1.10	7.20	-9.50	0.79	-8.31	1.10	10.30
-6.75	0.59	-5.93	1.10	7.20	-9.75	0.59	-8.31	1.10	10.50
-7.00	0.40	-5.93	1.10	7.50	-10.00	0.40	-8.31	1.10	10.80
-7.25	0.99	-6.72	1.10	7.80	-10.25	0.99	-9.10	1.10	11.30
-7.50	0.79	-6.72	1.10	8.00	-10.50	0.79	-9.10	1.10	11.60
-7.75	0.59	-6.72	1.10	8.30	-10.75	0.59	-9.10	1.10	11.80
-8.00	0.40	-6.72	1.10	8.50	-11.00	0.40	-9.10	1.10	12.10
-8.25	0.99	-7.51	1.10	8.80	-11.25	0.99	-9.89	1.10	12.60
-8.50	0.79	-7.51	1.10	9.10	-11.50	0.79	-9.89	1.10	12.90
-8.75	0.59	-7.51	1.10	9.40	-11.75	0.59	-9.89	1.10	13.10
-9.00	0.40	-7.51	1.10	9.60	-12.00	0.40	-9.89	1.10	13.30

PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 DuraVision Platinum

1. Customer Product Codes

EDI	Name	Range	LGC	CAT
10658	ZEISS Finished SV AS 1.59 DuraVision Platinum	65	T5771	H81
			T5772	H81
		75	T5783	H82

2. Product Features:

Material	1.59 Polycarbonate
Refractive Index	$n_d = 1.586$ (Helium 'd' line 587.56nm) $n_e = 1.590$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 %
Coating	DuraVision Platinum Blue rest reflex Premium scratch resistance Anti-static, Dirt and dust repellent Easy cleaning function, Water and oil repellent

3. Design:

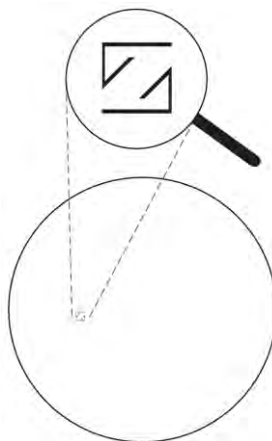
Power Range	Design	Diameter
+4.00 to +0.25	Aspherical	65 mm
0.00 to -6.00	Aspherical	70 mm

4. Product Markings:

ZEISS LOGO – LASER ENGRAVED

The engraving is located on the Concave surface (back) of the lens, measuring 2.0 x 2.0 mm.

Example of Trademark Logo:



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 DuraVision Platinum

5. Product Range (Minus Cylinder):

	0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00
+400									
+350									
+300									
+250									
+200									
+150									
+100									
+050									
+000									
-050									
-100									
-150									
-200									
-250									
-300									
-350									
-400									
-450									
-500									
-550									
-600									

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 DuraVision Platinum

6. Lens Geometry

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.20)	Nominal Edge Thickness (mm)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.20)	Nominal Edge Thickness (mm)
+4.00	6.01	-2.51	4.5	0.81	+2.00	5.16	-3.40	2.8	0.95
+3.75	6.01	-2.73	4.2	0.73	+1.75	5.16	-3.63	2.6	0.98
+3.50	6.01	-2.95	4.0	0.75	+1.50	4.73	-3.41	2.5	1.12
+3.25	6.01	-3.17	3.8	0.78	+1.25	4.73	-3.63	2.2	1.05
+3.00	5.59	-2.96	3.7	0.93	+1.00	4.73	-3.86	2.0	1.08
+2.75	5.59	-3.18	3.5	0.96	+0.75	4.28	-3.62	1.8	1.12
+2.50	5.59	-3.40	3.2	0.88	+0.50	4.28	-3.85	1.7	1.25
+2.25	5.16	-3.18	3.1	1.03	+0.25	4.28	-4.07	1.6	1.38

(Nominal Values) 75 mm Minus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.20)	Nominal Edge Thickness (mm)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.20)	Nominal Edge Thickness (mm)
0.00	4.28	-4.30	1.5	1.52	-3.25	2.93	-5.88	1.4	4.52
-0.25	4.28	-4.53	1.5	1.76	-3.50	2.93	-6.10	1.4	4.77
-0.50	4.28	-4.75	1.5	2.00	-3.75	2.93	-6.33	1.4	5.02
-0.75	4.28	-4.98	1.5	2.24	-4.00	2.93	-6.56	1.4	5.28
-1.00	4.28	-5.20	1.5	2.48	-4.25	2.48	-6.33	1.4	5.48
-1.25	3.83	-4.98	1.5	2.71	-4.50	2.48	-6.56	1.4	5.73
-1.50	3.83	-5.20	1.5	2.95	-4.75	2.48	-6.78	1.3	5.89
-1.75	3.83	-5.43	1.5	3.20	-5.00	2.48	-7.01	1.3	6.15
-2.00	3.83	-5.65	1.5	3.44	-5.25	1.81	-6.56	1.3	6.32
-2.25	3.38	-5.43	1.5	3.66	-5.50	1.81	-6.79	1.3	6.58
-2.50	3.38	-5.65	1.5	3.91	-5.75	1.81	-7.01	1.3	6.84
-2.75	3.38	-5.88	1.5	4.16	-6.00	1.81	-7.24	1.3	7.10
-3.00	3.38	-6.11	1.5	4.41					

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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 DuraVision Platinum

7. Label:



8. Envelope:

ZEISS SL Universal Substrate CE & USFDA Marked

Dimensions: 85W x 93H x 19G + 50F (Width, Height, Gusset, Flap – all dimensions in mm)



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 DuraVision Platinum

7. Label:



8. Envelope:

ZEISS SL Universal Substrate CE & USFDA Marked

Dimensions: 85W x 93H x 19G + 50F (Width, Height, Gusset, Flap – all dimensions in mm)



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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 DuraVision Silver

1. Customer Product Codes:

EDI	Name	Range	LGC	CAT
10659	ZEISS Finished SV AS 1.59 DuraVision Silver	65	T4911	H83
			T4912	H83
		75	T4923	H84

2. Product Features:

Material	1.59 Polycarbonate
Refractive Index	$n_d = 1.586$ (Helium 'd' line 587.56nm) $n_e = 1.590$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 %
Coating	DuraVision Silver Blue rest reflex Scratch resistance Anti-static, Dirt and dust repellent Easy cleaning function, Water and oil repellent

3. Design:

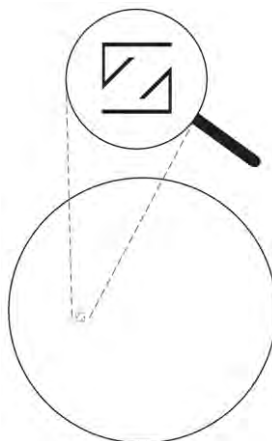
Power Range	Design	Diameter
+4.00 to +0.25	Aspheric	65 mm
0.00 to -6.00	Aspheric	75 mm

4. Product Markings:

ZEISS LOGO – LASER ENGRAVED

The engraving is located on the Concave surface (back) of the lens, measuring 2.0 x 2.0 mm.

Example of Trademark Logo:



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 DuraVision Silver

5. Product Range:

	0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00
+400									
+350									
+300									
+250									
+200									
+150									
+100									
+050									
+000									
-050									
-100									
-150									
-200									
-250									
-300									
-350									
-400									
-450									
-500									
-550									
-600									

65+

75-

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 DuraVision Silver

6. Lens Geometry:

Nominal Values: 65mm Plus Range (Sphere Geometry Only) in 1.530 Index			
Sphere Power Up to -2.00 cyl (D)	Lens Front Curve (D)	Curve Radius (mm)	Center Thickness ±0.2mm
+0.25	4.28	123.832	1.6
+0.50	4.28	123.832	1.7
+0.75	4.28	123.832	1.8
+1.00	4.73	112.051	2.0
+1.25	4.73	112.051	2.2
+1.50	4.73	112.051	2.5
+1.75	5.16	102.713	2.6
+2.00	5.16	102.713	2.8
+2.25	5.16	102.713	3.1
+2.50	5.59	94.812	3.2
+2.75	5.59	94.812	3.5
+3.00	5.59	94.812	3.7
+3.25	6.01	88.186	3.8
+3.50	6.01	88.186	4.0
+3.75	6.01	88.186	4.2
+4.00	6.01	88.186	4.5

Nominal Values: 75mm Minus Range (Sphere Geometry Only) in 1.530 Index			
Sphere Power Up to -1.50 cyl	Lens Front Curve (D)	Curve Radius (mm)	Center Thickness ±0.2mm
0.00	4.28	123.832	1.5
-0.25	4.28	123.832	1.5
-0.50	4.28	123.832	1.5
-0.75	4.28	123.832	1.5
-1.00	4.28	123.832	1.5
-1.25	3.83	138.381	1.5
-1.50	3.83	138.381	1.5
-1.75	3.83	138.381	1.5
-2.00	3.83	138.381	1.5
-2.25	3.38	156.805	1.5
-2.50	3.38	156.805	1.5
-2.75	3.38	156.805	1.5
-3.00	3.38	156.805	1.5
-3.25	2.93	180.887	1.4
-3.50	2.93	180.887	1.4
-3.75	2.93	180.887	1.4
-4.00	2.93	180.887	1.4
-4.25	2.48	213.710	1.4
-4.50	2.48	213.710	1.4
-4.75	2.48	213.710	1.3
-5.00	2.48	213.710	1.3
-5.25	1.81	292.818	1.3
-5.50	1.81	292.818	1.3
-5.75	1.81	292.818	1.3
-6.00	1.81	292.818	1.3

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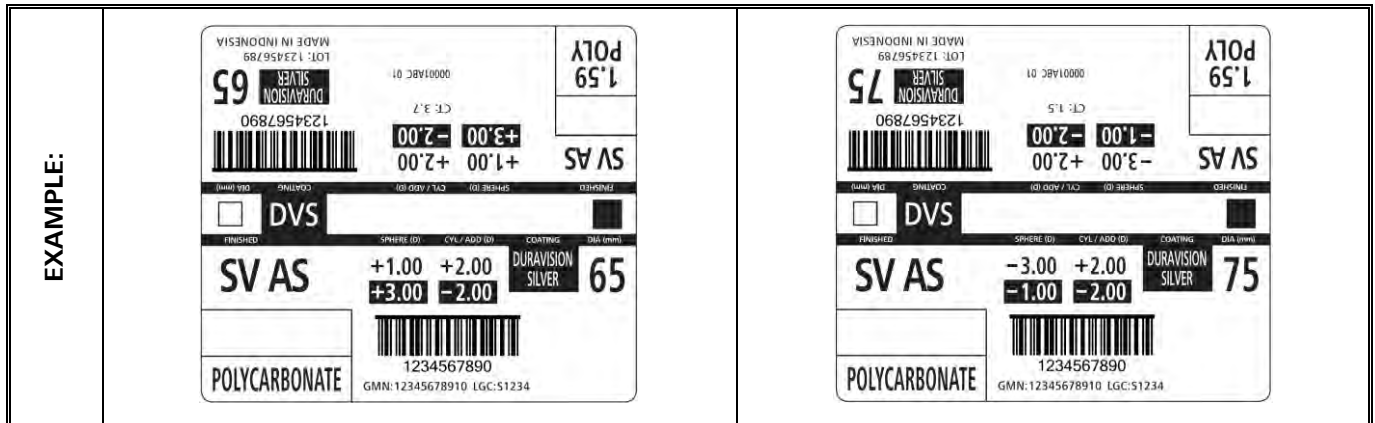
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 DuraVision Silver

7. Label:



8. Envelope:

ZEISS SL Universal Substrate CE & USFDA Marked

Dimensions: 85W x 93H x 19G + 50F (Width, Height, Gusset, Flap – all dimensions in mm)



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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 DuraVision BlueProtect

1. Customer Product Codes

EDI:	CAT Code:	LGC:	LGC Description	Notes	FDA
14244	Y55	T7091	ZEISS FSV AS 159 DVBP 65+ --D	Country of origin on Envelope	Yes
		T7092	ZEISS FSV AS 159 DVBP 65X --D		
	Y56	T8003	ZEISS FSV AS 159 DVBP 75- --D		

2. Material & Coating Specifications:

Type	1.59 Polycarbonate
Refractive Index	$n_d = 1.586$ $n_e = 1.59$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	DuraVision BlueProtect
Coating Appearance	Front Side : Purple/Blue residual reflection colour Back Side : Blue residual reflection colour

3. Design:

Power Range	Design	Diameter
+4.00 to +0.25	Aspheric	65 mm
±0.00 to -6.00	Aspheric	75 mm

4. Product Markings:

A Trademark Logo located on Back (concave) Surface of the lens

Example of Trademark Logo:	Dimensions of Trademark Logo:	

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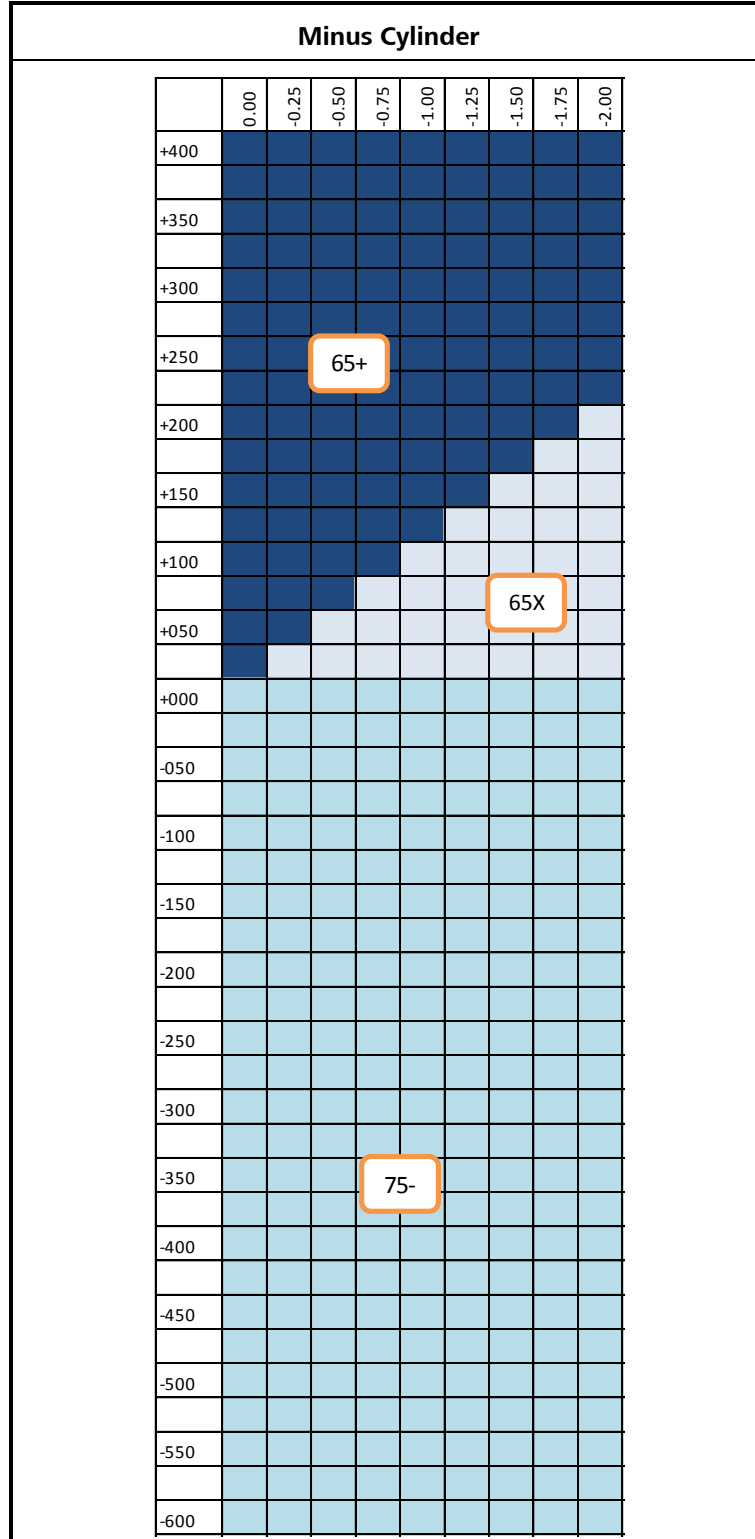
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 DuraVision BlueProtect

5. Product Range:



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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 DuraVision BlueProtect

6. Lens Geometry:

Note : The Lens Geometry values are indicative, calculated using target Front Curves and CT values.

Lens Centre Thickness Tolerance

Nominal Sphere Power (D)	Centre Thickness Tolerance (mm)
All Powers	± 0.20

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)
+4.00	6.01	-2.51	4.5	0.81	+2.00	5.16	-3.40	2.8	0.95
+3.75	6.01	-2.73	4.2	0.73	+1.75	5.16	-3.63	2.6	0.98
+3.50	6.01	-2.95	4.0	0.75	+1.50	4.73	-3.41	2.5	1.12
+3.25	6.01	-3.17	3.8	0.78	+1.25	4.73	-3.63	2.2	1.05
+3.00	5.59	-2.96	3.7	0.93	+1.00	4.73	-3.86	2.0	1.08
+2.75	5.59	-3.18	3.5	0.96	+0.75	4.28	-3.62	1.8	1.12
+2.50	5.59	-3.40	3.2	0.88	+0.50	4.28	-3.85	1.7	1.25
+2.25	5.16	-3.18	3.1	1.03	+0.25	4.28	-4.07	1.6	1.38

(Nominal Values) 75 mm Minus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)
0.00	4.28	-4.30	1.5	1.52	-3.25	2.93	-5.88	1.4	4.52
-0.25	4.28	-4.53	1.5	1.76	-3.50	2.93	-6.10	1.4	4.77
-0.50	4.28	-4.75	1.5	2.00	-3.75	2.93	-6.33	1.4	5.02
-0.75	4.28	-4.98	1.5	2.24	-4.00	2.93	-6.56	1.4	5.28
-1.00	4.28	-5.20	1.5	2.48	-4.25	2.48	-6.33	1.4	5.48
-1.25	3.83	-4.98	1.5	2.71	-4.50	2.48	-6.56	1.4	5.73
-1.50	3.83	-5.20	1.5	2.95	-4.75	2.48	-6.78	1.3	5.89
-1.75	3.83	-5.43	1.5	3.20	-5.00	2.48	-7.01	1.3	6.15
-2.00	3.83	-5.65	1.5	3.44	-5.25	1.81	-6.56	1.3	6.32
-2.25	3.38	-5.43	1.5	3.66	-5.50	1.81	-6.79	1.3	6.58
-2.50	3.38	-5.65	1.5	3.91	-5.75	1.81	-7.01	1.3	6.84
-2.75	3.38	-5.88	1.5	4.16	-6.00	1.81	-7.24	1.3	7.10
-3.00	3.38	-6.11	1.5	4.41					

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 DuraVision Chrome

1. Customer Product Codes

EDI:	CAT:	LGC:	LGC Description:	Notes	FDA
14244	C16	T8231	ZEISS FSV AS 159 DVC 65+ --D	Country of origin on Envelope	Yes
		T8232	ZEISS FSV AS 159 DVC 65X --D		
	C17	T8243	ZEISS FSV AS 159 DVC 75-- --D		

2. Material & Coating Specifications:

Type	1.59 Polycarbonate
Refractive Index	$n_d = 1.586$ $n_e = 1.59$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 1.5 mm Centre Thickness
Coating Type	DuraVision Chrome
Colour Appearance	Green residual reflection colour

3. Design:

Power Range	Design	Diameter
+4.00 to +0.25	Aspheric	65 mm
0.00 to -6.00	Aspheric	75 mm

4. Product Markings:

A Trademark Logo located on Back (concave) Surface of the lens

Example of Trademark Logo:	Dimensions of Trademark Logo:	

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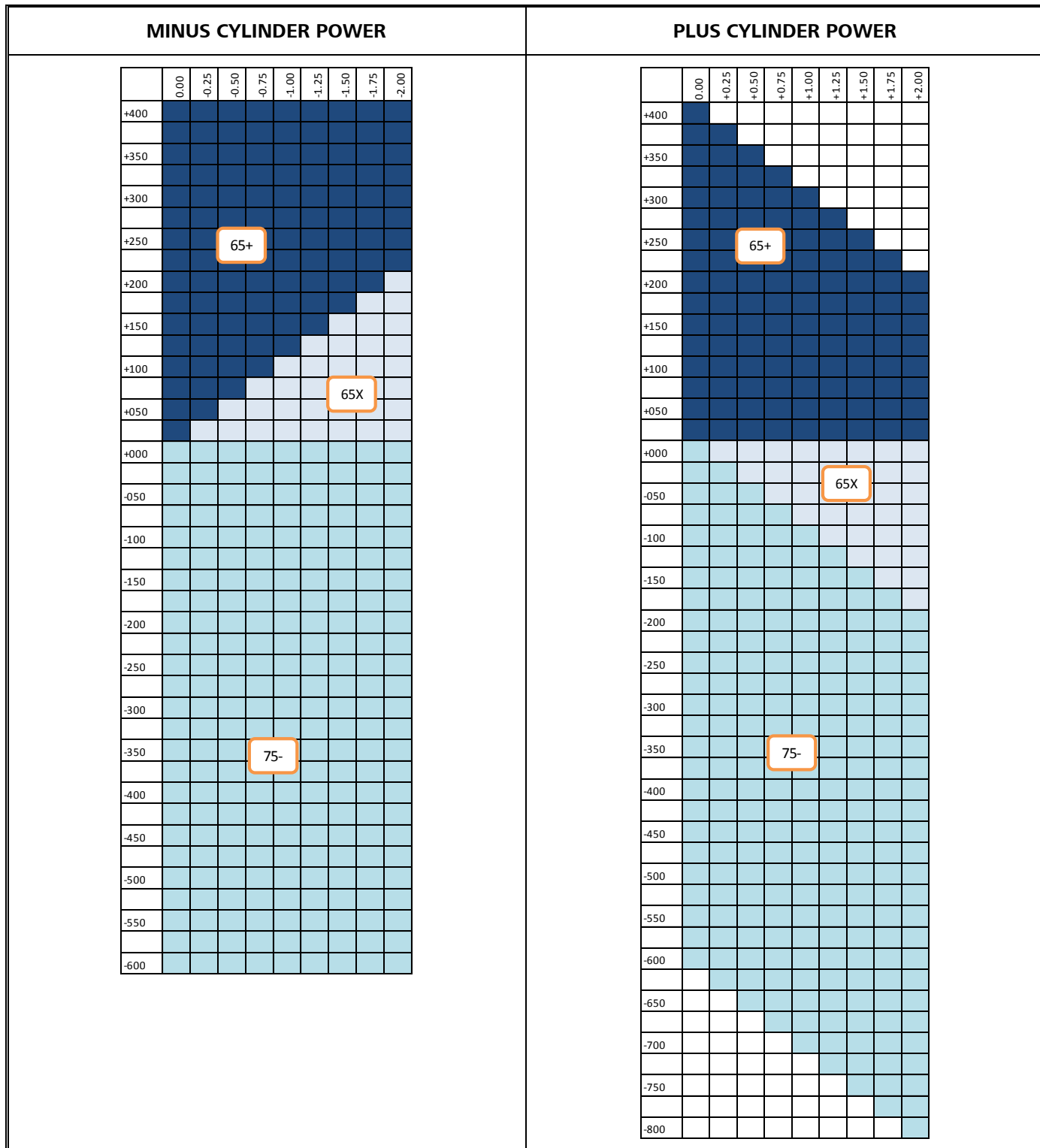
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 DuraVision Chrome

5. Product Range:



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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 DuraVision Chrome

6. Lens Geometry:

- Notes
- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
 - 2: All curves are in 1.530 Index and all dimensions are in millimetres

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index									
Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) ± 0.20	Nominal Edge Thickness (mm)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) ± 0.20	Nominal Edge Thickness (mm)
+4.00	6.01	-2.51	4.5	0.81	+2.00	5.16	-3.40	2.8	0.95
+3.75	6.01	-2.73	4.2	0.73	+1.75	5.16	-3.63	2.6	0.98
+3.50	6.01	-2.95	4.0	0.75	+1.50	4.73	-3.41	2.5	1.12
+3.25	6.01	-3.17	3.8	0.78	+1.25	4.73	-3.63	2.2	1.05
+3.00	5.59	-2.96	3.7	0.93	+1.00	4.73	-3.86	2.0	1.08
+2.75	5.59	-3.18	3.5	0.96	+0.75	4.28	-3.62	1.8	1.12
+2.50	5.59	-3.40	3.2	0.88	+0.50	4.28	-3.85	1.7	1.25
+2.25	5.16	-3.18	3.1	1.03	+0.25	4.28	-4.07	1.6	1.38

(Nominal Values) 75 mm Minus Range (Sphere Geometry) in 1.530 Index									
Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) ± 0.20	Nominal Edge Thickness (mm)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) ± 0.20	Nominal Edge Thickness (mm)
0.00	4.28	-4.30	1.5	1.52	-3.25	2.93	-5.88	1.4	4.52
-0.25	4.28	-4.53	1.5	1.76	-3.50	2.93	-6.10	1.4	4.77
-0.50	4.28	-4.75	1.5	2.00	-3.75	2.93	-6.33	1.4	5.02
-0.75	4.28	-4.98	1.5	2.24	-4.00	2.93	-6.56	1.4	5.28
-1.00	4.28	-5.20	1.5	2.48	-4.25	2.48	-6.33	1.4	5.48
-1.25	3.83	-4.98	1.5	2.71	-4.50	2.48	-6.56	1.4	5.73
-1.50	3.83	-5.20	1.5	2.95	-4.75	2.48	-6.78	1.3	5.89
-1.75	3.83	-5.43	1.5	3.20	-5.00	2.48	-7.01	1.3	6.15
-2.00	3.83	-5.65	1.5	3.44	-5.25	1.81	-6.56	1.3	6.32
-2.25	3.38	-5.43	1.5	3.66	-5.50	1.81	-6.79	1.3	6.58
-2.50	3.38	-5.65	1.5	3.91	-5.75	1.81	-7.01	1.3	6.84
-2.75	3.38	-5.88	1.5	4.16	-6.00	1.81	-7.24	1.3	7.10
-3.00	3.38	-6.11	1.5	4.41					

Document Number: Z00733.FS1

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Reviewed by: Geoff Riley, 15 Sep 2016

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PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.59 HMCX

1. Customer Product Codes

EDI	CAT Code	LGC	LGC Description	Notes	FDA
8528	H68	T5901	SYNC FSV AS 159 HMCX 65+ --F	Country of Origin required on Label	Yes
		T5902	SYNC FSV AS 159 HMCX 65X --F		
	H69	T5913	SYNC FSV AS 159 HMCX 75- --F		

2. Material & Coating Specifications:

Type	1.59 Polycarbonate
Refractive Index	$n_d = 1.586$ $n_e = 1.59$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 1.5 mm Centre Thickness
Coating Type	HMCX Multi Coated
Appearance	Green residual reflection colour

3. Design:

Power Range	Design	Diameter
+4.00 to +0.25	Aspheric	65 mm
0.00 to -6.00	Aspheric	75 mm

4. Product Markings: None

Document Number: 00520.FS1	Reviewed by: Geoff Riley, 21 Mar 2016
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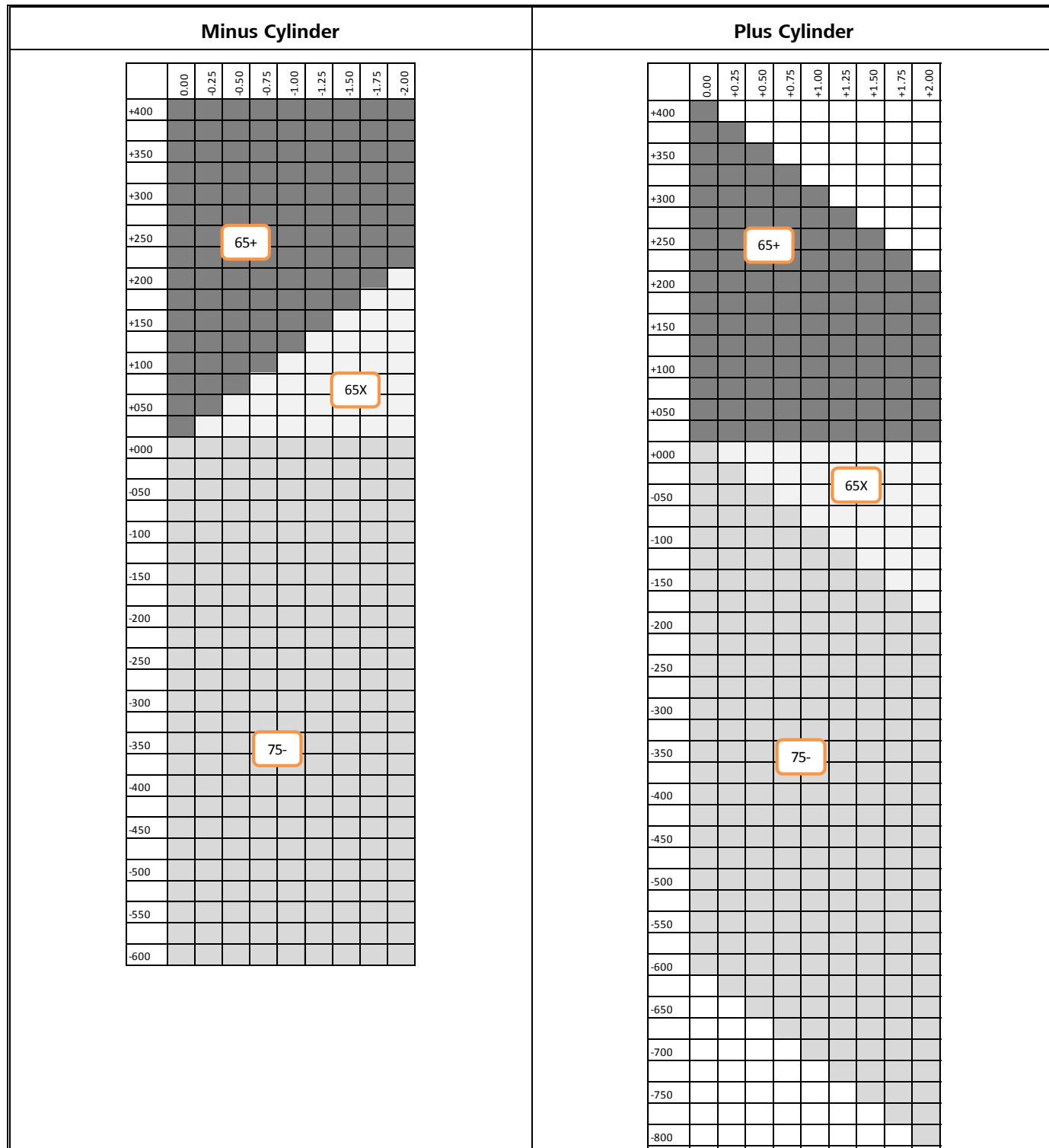
PRODUCT FACT SHEET



Product Name

synchrony Finished SV AS 1.59 HMCX

5. Product Range:



Document Number: 00520.FS1

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Reviewed by: Geoff Riley, 21 Mar 2016

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PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.59 HMCX

6. Lens Geometry:

Notes

- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
- 2: All curves are in 1.530 Index and all dimensions are in millimetres
- 3: No lens to be sold with a CT under 1.1mm

Lens Power Range (D)	Centre Thickness Tolerance
All	±0.20 mm

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal
+4.00	6.01	-2.50	4.5	1.3	+2.00	5.16	-3.41	2.8	1.3
+3.75	6.01	-2.75	4.2	1.3	+1.75	5.16	-3.63	2.6	1.3
+3.50	6.01	-2.95	4.0	1.3	+1.50	4.73	-3.41	2.5	1.5
+3.25	6.01	-3.18	3.8	1.3	+1.25	4.73	-3.63	2.2	1.5
+3.00	5.59	-2.98	3.7	1.3	+1.00	4.73	-3.87	2.0	1.5
+2.75	5.59	-3.18	3.5	1.3	+0.75	4.28	-3.63	1.8	1.5
+2.50	5.59	-3.41	3.2	1.3	+0.50	4.28	-3.87	1.8	1.7
+2.25	5.16	-3.18	3.1	1.3	+0.25	4.28	-4.08	1.8	1.8

(Nominal Values) 75 mm Minus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal
0.00	4.28	-4.30	1.5	1.5	-3.25	2.93	-5.88	1.4	5.5
-0.25	4.28	-4.53	1.5	1.8	-3.50	2.93	-6.10	1.4	5.8
-0.50	4.28	-4.75	1.5	2.1	-3.75	2.93	-6.33	1.4	6.2
-0.75	4.28	-4.98	1.5	2.4	-4.00	2.93	-6.56	1.4	6.6
-1.00	4.28	-5.21	1.5	2.7	-4.25	2.48	-6.33	1.4	6.8
-1.25	3.83	-4.98	1.5	3.1	-4.50	2.48	-6.56	1.4	7.2
-1.50	3.83	-5.21	1.5	3.4	-4.75	2.48	-6.78	1.3	7.4
-1.75	3.83	-5.43	1.5	3.7	-5.00	2.48	-7.00	1.3	7.8
-2.00	3.83	-5.66	1.5	4.0	-5.25	1.81	-6.56	1.3	8.0
-2.25	3.38	-5.43	1.5	4.3	-5.50	1.81	-6.78	1.3	8.3
-2.50	3.38	-5.66	1.5	4.6	-5.75	1.81	-7.00	1.3	8.7
-2.75	3.38	-5.88	1.5	5.0	-6.00	1.81	-7.23	1.3	9.1
-3.00	3.38	-6.10	1.5	5.3					

Document Number: 00520.FS1

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Reviewed by: Geoff Riley, 21 Mar 2016

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PRODUCT FACT SHEET

Substrate	:	POLYCARBONATE SOLA TEFLON		
Product Name	:	ASPHERIC SINGLE VISION		
Product type	:	FINISHED STOCK LENS		
Reference	:	00377.FS2		
Date	:	27 Sept 2013	Page	: 1 of 3

Product Codes:

CAT Code:	LGC:	Description:
V19	T3911	SOLA FIN ASPH SV POLY F2 TEFLON 65+
	T3912	SOLA FIN ASPH SV POLY F2 TEFLON 65X
V20	T3923	SOLA FIN ASPH SV POLY F2 TEFLON 75-

Material & Coating Specifications:

Type	POLYCARBONATE
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g.cm^{-3}
UV Protection (ISO)	2.0mm Centre Thickness. UVA: 100 %, UVB: 100 % (ISO 8980-3, ANSI Z80-1)
Coating Type	Teflon Multicoat

Reference	:	00377.FS2					
Date	:	27 Sept 2013			Page	:	2 of 3

Product Range:

Minus Cylinder

MINUS CYLINDER POWER

- CYL										- CYL									
-SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	+SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
0.00																			
0.25										0.25									
0.50										0.50						Dia 65mm			
0.75										0.75						LGC: T3912			
1.00										1.00									
1.25										1.25									
1.50										1.50									
1.75										1.75									
2.00										2.00									
2.25				Dia 75mm						2.25			Dia 65mm						
2.50				LGC: T3923						2.50			LGC: T3911						
2.75										2.75									
3.00										3.00									
3.25										3.25									
3.50										3.50									
3.75										3.75									
4.00										4.00									
4.25																			
4.50																			
4.75																			
5.00																			
5.25																			
5.50																			
5.75																			
6.00																			

Reference	:	00377.FS2			
Date	:	27 Sept 2013	Page	:	3 of 3

Lens Geometry:

Plus Range

Aspheric Finished Single Vision 65mm Aspheric Finished Single Vision

Sphere Power Up to -2.00 cyl	Base Curve	Curve Radius	Center Thickness
+0.25	4.28	123.832	1.6
+0.50	4.28	123.832	1.7
+0.75	4.28	123.832	1.8
+1.00	4.73	112.051	2.0
+1.25	4.73	112.051	2.2
+1.50	4.73	112.051	2.5
+1.75	5.16	102.713	2.6
+2.00	5.16	102.713	2.8
+2.25	5.16	102.713	3.1
+2.50	5.59	94.812	3.2
+2.75	5.59	94.812	3.5
+3.00	5.59	94.812	3.7
+3.25	6.01	88.186	3.8
+3.50	6.01	88.186	4.0
+3.75	6.01	88.186	4.2
+4.00	6.01	88.186	4.5

Minus Range

75mm Aspheric Finished Single Vision

Sphere Power Up to -1.50 cyl	Base Curve	Curve Radius	Center Thickness
Plano	4.28	123.832	1.5
-0.25	4.28	123.832	1.5
-0.50	4.28	123.832	1.5
-0.75	4.28	123.832	1.5
-1.00	4.28	123.832	1.5
-1.25	3.83	138.381	1.5
-1.50	3.83	138.381	1.5
-1.75	3.83	138.381	1.5
-2.00	3.83	138.381	1.5
-2.25	3.38	156.805	1.5
-2.50	3.38	156.805	1.5
-2.75	3.38	156.805	1.5
-3.00	3.38	156.805	1.5
-3.25	2.93	180.887	1.4
-3.50	2.93	180.887	1.4
-3.75	2.93	180.887	1.4
-4.00	2.93	180.887	1.4
-4.25	2.48	213.710	1.4
-4.50	2.48	213.710	1.4
-4.75	2.48	213.710	1.3
-5.00	2.48	213.710	1.3
-5.25	1.81	292.818	1.3
-5.50	1.81	292.818	1.3
-5.75	1.81	292.818	1.3
-6.00	1.81	292.818	1.3



PRODUCT FACT SHEET

Substrate	:	POLYCARBONATE GENERIC HMC+		
Product Name	:	SPHERICAL SINGLE VISION		
Product type	:	FINISHED STOCK LENS		
Reference	:	00371.FS2		
Date	:	27 Sept 2013	Page	: 1 of 3

Product Codes:

CAT Code:	LGC:	Description:
V07	T3791	GEN FIN SV POLY HMC+ 65+
	T3792	GEN FIN SV POLY HMC+ 65X
V08	T3803	GEN FIN SV POLY HMC+ 75-

Material & Coating Specifications:

Type	POLYCARBONATE
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g.cm^{-3}
UV Protection (ISO)	2.0mm Centre Thickness. UVA: 100 %, UVB: 100 % (ISO 8980-3, ANSI Z80-1)
Coating Type	Hard and AR Multicoat

Reference	:	00371.FS2			
Date	:	27 Sept 2013			Page : 2 of 3

Product Range:

MINUS CYLINDER POWER

- CYL										- CYL									
-SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	+SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
0.00																			
0.25										0.25									
0.50										0.50									
0.75										0.75									
1.00										1.00									
1.25										1.25									
1.50										1.50									
1.75										1.75									
2.00										2.00									
2.25										2.25									
2.50										2.50									
2.75										2.75									
3.00										3.00									
3.25										3.25									
3.50										3.50									
3.75										3.75									
4.00										4.00									
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6.00																			
6.25																			
6.50																			
6.75																			
7.00																			
7.25																			
7.50																			
7.75																			
8.00																			

Reference	:	00371.FS2			
Date	:	27 Sept 2013	Page	:	3 of 3

Lens Geometry:

ZEISS PRODUCT REFERENCE GUIDE

Polycarbonate

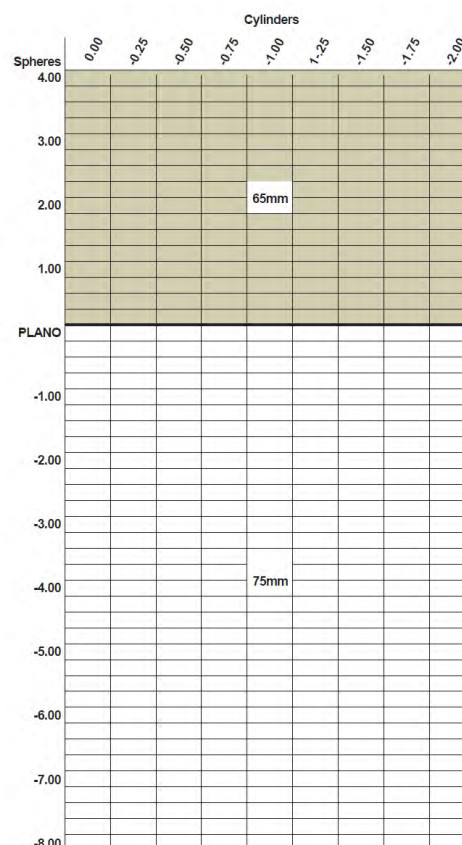
Zeiss Spherical FSV

Zeiss Spherical FSV HMC

Zeiss Spherical FSV HMC+

65/75mm Spherical Finished Single Vision

Sphere Power Up to -2.00 cyl	Front Curve (1.530)	Front Radius	Center Thickness (mm)
+4.00	6.33	83.728	4.9
+3.75	6.33	83.728	4.7
+3.50	6.33	83.728	4.5
+3.25	6.33	83.728	4.2
+3.00	6.33	83.728	4.0
+2.75	6.33	83.728	3.8
+2.50	6.33	83.728	3.5
+2.25	5.20	101.923	3.3
+2.00	5.20	101.923	3.0
+1.75	5.20	101.923	2.8
+1.50	5.20	101.923	2.6
+1.25	5.20	101.923	2.4
+1.00	5.20	101.923	2.1
+0.75	5.20	101.923	1.9
+0.50	5.20	101.923	1.9
+0.25	5.20	101.923	1.8
0.00	4.07	130.221	1.8
-0.25	4.07	130.221	1.6
-0.50	4.07	130.221	1.5
-0.75	4.07	130.221	1.5
-1.00	2.94	180.272	1.5
-1.25	2.94	180.272	1.5
-1.50	2.94	180.272	1.5
-1.75	2.94	180.272	1.4
-2.00	2.94	180.272	1.4
-2.25	2.94	180.272	1.4
-2.50	2.94	180.272	1.4
-2.75	2.94	180.272	1.4
-3.00	2.03	261.084	1.4
-3.25	2.03	261.084	1.3
-3.50	2.03	261.084	1.3
-3.75	2.03	261.084	1.3
-4.00	2.03	261.084	1.3
-4.25	2.03	261.084	1.3
-4.50	2.03	261.084	1.3
-4.75	2.03	261.084	1.3
-5.00	1.13	469.027	1.3
-5.25	1.13	469.027	1.3
-5.50	1.13	469.027	1.3
-5.75	1.13	469.027	1.3
-6.00	1.13	469.027	1.3
-6.25	1.13	469.027	1.3
-6.50	1.13	469.027	1.3
-6.75	1.13	469.027	1.3
-7.00	0.45	1177.778	1.3
-7.25	0.45	1177.778	1.3
-7.50	0.45	1177.778	1.3
-7.75	0.45	1177.778	1.3
-8.00	0.45	1177.778	1.3



1. Customer Product Codes

EDI	CAT Code:	LGC:	LGC Description:	Notes	FDA
7514	Y90	T8431	SYNC FSV AS 159 PH GRY HMC+ 65+ A-F	Country of origin required on Envelope	Yes
		T8432	SYNC FSV AS 159 PH GRY HMC+ 65X A-F		
	Y91	T8443	SYNC FSV AS 159 PH GRY HMC+ 70- A-F		
7515	Y92	T8451	SYNC FSV AS 159 PH BRN HMC+ 65+ A-F		
		T8452	SYNC FSV AS 159 PH BRN HMC+ 65X A-F		
	Y93	T8463	SYNC FSV AS 159 PH BRN HMC+ 70- A-F		

2. Material & Coating Specifications:

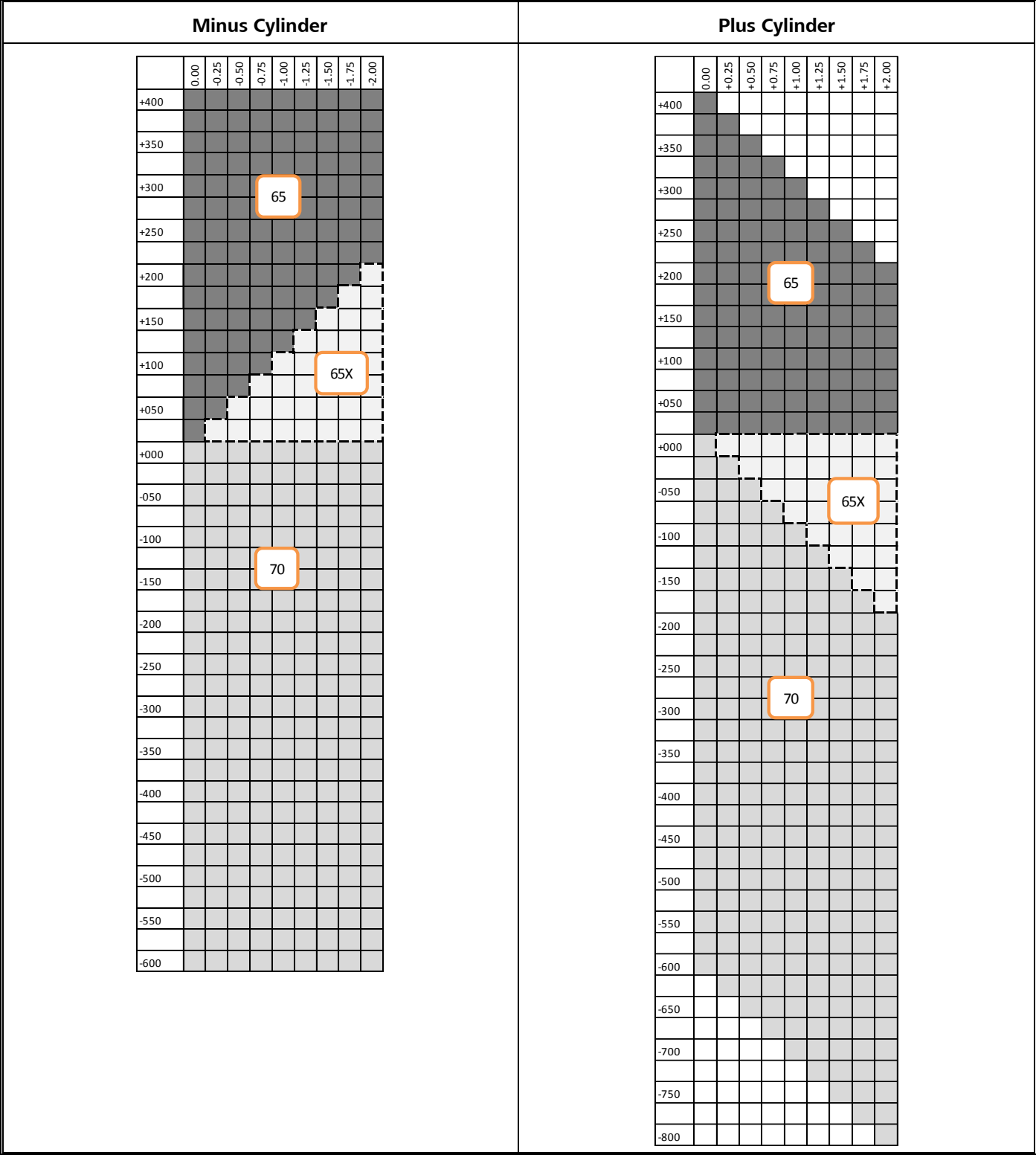
Type	1.59 Polycarbonate
Refractive Index	$n_d = 1.586$ $n_e = 1.59$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 1.5 mm Centre Thickness
Coating Type	Photochromic & HMC+
Colour Appearance	Green Residual Reflection Colour

3. Design:

Power Range	Design	Diameter
+4.00 to +0.25	Aspheric	65 mm
0.00 to -6.00	Aspheric	70 mm

4. Product Markings: None

5. Product Range:



6. Lens Geometry:

- Notes
- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
 - 2: All curves are in 1.530 Index and all dimensions are in millimetres

65 mm Plus Range (Sphere Geometry) in 1.530 Index (Nominal Values)									
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm)
+4.00	5.28	1.76	4.5	1.0	+2.00	3.88	2.10	2.9	1.0
+3.75	5.28	1.98	4.3	1.0	+1.75	3.88	2.33	2.6	1.0
+3.50	5.28	2.20	4.0	1.0	+1.50	3.88	2.53	2.8	1.4
+3.25	4.20	1.33	3.9	1.0	+1.25	3.88	2.75	2.6	1.4
+3.00	4.20	1.56	3.6	1.0	+1.00	3.88	2.97	2.5	1.6
+2.75	4.20	1.78	3.4	1.0	+0.75	3.88	3.20	2.3	1.6
+2.50	4.20	2.00	3.1	1.0	+0.50	3.88	3.43	2.2	1.8
+2.25	4.20	2.22	2.9	1.0	+0.25	3.88	3.65	2.0	1.8

70 mm Minus Range (Sphere Geometry) in 1.530 Index (Nominal Values)									
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm)
0.00	3.83	3.85	2.0	2.0	-3.25	2.70	5.65	1.3	5.0
-0.25	3.83	4.07	1.7	2.0	-3.50	2.48	5.65	1.3	5.2
-0.50	3.83	4.30	1.7	2.3	-3.75	2.26	5.65	1.3	5.5
-0.75	3.83	4.52	1.7	2.6	-4.00	2.03	5.65	1.3	5.8
-1.00	3.83	4.75	1.7	2.9	-4.25	1.80	5.65	1.2	5.9
-1.25	3.83	4.98	1.7	3.2	-4.50	2.03	6.10	1.2	6.3
-1.50	3.83	5.20	1.7	3.5	-4.75	1.80	6.10	1.2	6.5
-1.75	3.61	5.20	1.4	3.4	-5.00	1.58	6.10	1.2	6.8
-2.00	3.38	5.20	1.4	3.6	-5.25	1.35	6.10	1.2	7.0
-2.25	3.16	5.20	1.4	3.9	-5.50	1.13	6.10	1.2	7.3
-2.50	2.93	5.20	1.4	4.2	-5.75	0.90	6.10	1.2	7.5
-2.75	3.16	5.65	1.4	4.5	-6.00	0.68	6.10	1.2	7.7
-3.00	2.93	5.65	1.4	4.8					

PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.59 Photochromic HC

1. Customer Product Codes

EDI	CAT Code:	LGC:	LGC Description:	Notes	FDA
7512	Y86	T8391	SYNC FSV ASV 159 PH GRY HC 65+ A-F	Country of origin required on Envelope	Yes
		T8392	SYNC FSV ASV 159 PH GRY HC 65X A-F		
	Y87	T8303	SYNC FSV ASV 159 PH GRY HC 70- A-F		
7513	Y88	T8411	SYNC FSV ASV 159 PH BRN HC 65+ A-F		
		T8412	SYNC FSV ASV 159 PH BRN HC 65X A-F		
	Y89	T8423	SYNC FSV ASV 159 PH BRN HC 70- A-F		

2. Material & Coating Specifications:

Type	1.59 Polycarbonate
Refractive Index	$n_d = 1.586$ $n_e = 1.59$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 1.5 mm Centre Thickness
Coating Type	Hardcoat

3. Design:

Power Range	Design	Diameter
+4.00 to +0.25	Aspheric	65 mm
0.00 to -6.00	Aspheric	70 mm

4. Product Markings: None

Document Number: 00601.FS1	Reviewed by: Geoff Riley, 07 Oct 2016
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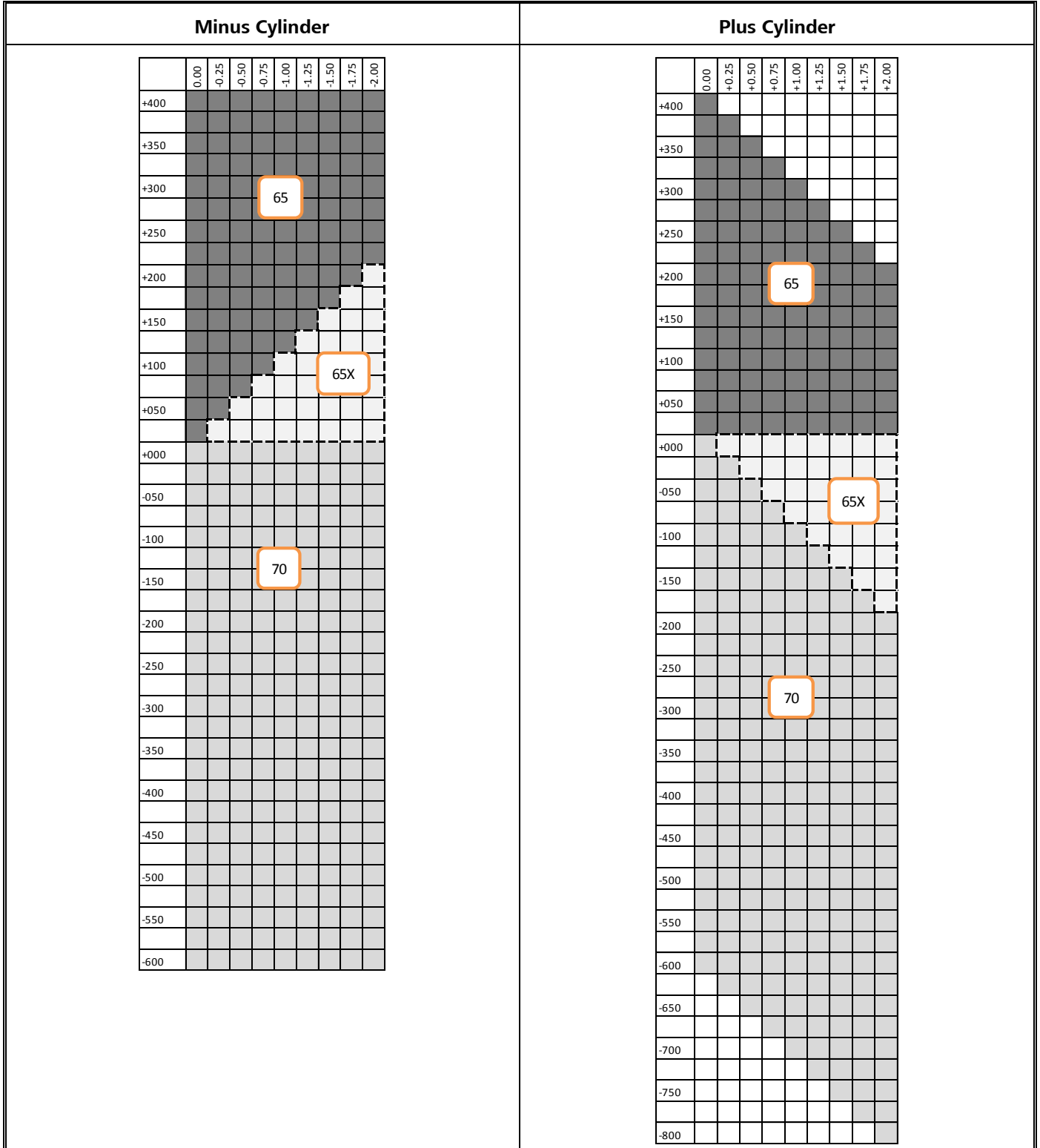
PRODUCT FACT SHEET



Product Name

synchrony Finished SV AS 1.59 Photochromic HC

5. Product Range:



Document Number: 00601.FS1

For External Distribution

Reviewed by: Geoff Riley, 07 Oct 2016

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PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.59 Photochromic HC

6. Lens Geometry:

- Notes
- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
 - 2: All curves are in 1.530 Index and all dimensions are in millimetres

65 mm Plus Range (Sphere Geometry) in 1.530 Index (Nominal Values)

Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm)
+4.00	5.28	1.76	4.5	1.0	+2.00	3.88	2.10	2.9	1.0
+3.75	5.28	1.98	4.3	1.0	+1.75	3.88	2.33	2.6	1.0
+3.50	5.28	2.20	4.0	1.0	+1.50	3.88	2.53	2.8	1.4
+3.25	4.20	1.33	3.9	1.0	+1.25	3.88	2.75	2.6	1.4
+3.00	4.20	1.56	3.6	1.0	+1.00	3.88	2.97	2.5	1.6
+2.75	4.20	1.78	3.4	1.0	+0.75	3.88	3.20	2.3	1.6
+2.50	4.20	2.00	3.1	1.0	+0.50	3.88	3.43	2.2	1.8
+2.25	4.20	2.22	2.9	1.0	+0.25	3.88	3.65	2.0	1.8

70 mm Minus Range (Sphere Geometry) in 1.530 Index (Nominal Values)

Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm)
0.00	3.83	3.85	2.0	2.0	-3.25	2.70	5.65	1.3	5.0
-0.25	3.83	4.07	1.7	2.0	-3.50	2.48	5.65	1.3	5.2
-0.50	3.83	4.30	1.7	2.3	-3.75	2.26	5.65	1.3	5.5
-0.75	3.83	4.52	1.7	2.6	-4.00	2.03	5.65	1.3	5.8
-1.00	3.83	4.75	1.7	2.9	-4.25	1.80	5.65	1.2	5.9
-1.25	3.83	4.98	1.7	3.2	-4.50	2.03	6.10	1.2	6.3
-1.50	3.83	5.20	1.7	3.5	-4.75	1.80	6.10	1.2	6.5
-1.75	3.61	5.20	1.4	3.4	-5.00	1.58	6.10	1.2	6.8
-2.00	3.38	5.20	1.4	3.6	-5.25	1.35	6.10	1.2	7.0
-2.25	3.16	5.20	1.4	3.9	-5.50	1.13	6.10	1.2	7.3
-2.50	2.93	5.20	1.4	4.2	-5.75	0.90	6.10	1.2	7.5
-2.75	3.16	5.65	1.4	4.5	-6.00	0.68	6.10	1.2	7.7
-3.00	2.93	5.65	1.4	4.8					

Document Number: 00601.FS1

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PRODUCT FACT SHEET

Substrate	:	POLYCARBONATE TRANSITIONS® SIGNATURE VII			
Product Name	:	ASPHERICAL SINGLE VISION			
Product type	:	FINISHED STOCK LENS			
Reference	:	00435.FS1			
Date	:	18 December 2013	Page	:	1 of 2

Product Codes:

LGC	DESCRIPTION
T4491	GEN FIN ASPH SV POLY T7 GRY HC 65+
T4492	GEN FIN ASPH SV POLY T7 GRY HC 65X
T4503	GEN FIN ASPH SV POLY T7 GRY HC 75-

CAT	DESCRIPTION
H01	GEN FIN ASPH SV POLY T7 GRY HC (+)
H02	GEN FIN ASPH SV POLY T7 GRY HC (-)

Material & Coating Specifications:

Type	Polycarbonate
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g.cm^{-3}
UV Protection (ISO)	UVA: 100% UVB: 100%
Coating Type	Hard Coated

Lens Geometry:

Note : All curves are in 1.530 Index and all dimensions are in millimetres

65 mm Plus Range (Sphere Geometry) in 1.530 Index (Nominal Values)									
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) (±0.20)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) (±0.20)
+2.00	3.88	2.10	2.9	1.0	+1.00	3.88	2.97	2.5	1.6
+1.75	3.88	2.33	2.6	1.0	+0.75	3.88	3.20	2.3	1.6
+1.50	3.88	2.53	2.8	1.4	+0.50	3.83	3.43	2.2	1.8
+1.25	3.88	2.75	2.6	1.4	+0.25	3.83	3.65	2.0	1.8

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Reference	:	00435.FS1			
Date	:	18 December 2013	Page	:	2 of 2

70 mm Minus Range (Sphere Geometry) in 1.530 Index (Nominal Values)									
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) (±0.20)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) (±0.20)
0.00	3.83	3.85	2.0	2.0	-2.25	3.16	5.20	1.4	3.9
-0.25	3.83	4.07	1.7	2.0	-2.50	2.93	5.20	1.4	4.2
-0.50	3.83	4.30	1.7	2.3	-2.75	3.16	5.65	1.4	4.5
-0.75	3.83	4.52	1.7	2.6	-3.00	2.93	5.65	1.4	4.8
-1.00	3.83	4.75	1.7	2.9	-3.25	2.70	5.65	1.3	5.0
-1.25	3.83	4.98	1.7	3.2	-3.50	2.48	5.65	1.3	5.2
-1.50	3.83	5.20	1.7	3.5	-3.75	2.26	5.65	1.3	5.5
-1.75	3.61	5.20	1.4	3.4	-4.00	2.03	5.65	1.3	5.8
-2.00	3.38	5.20	1.4	3.6					

Product Range:

MINUS CYLINDER									
	0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00
S P H E R E	+2.00								
	75								
	50								
	25								
	+1.00								
	75								
	50								
	25								
	PLANO								
	25								
P O W E R	50								
	75								
	-1.00								
	25								
	50								
	75								
	-2.00								
	25								
	50								
	75								
	-3.00								
	25								
	50								
	75								
	-4.00								
	0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00



PRODUCT FACT SHEET

Substrate	:	POLYCARBONATE GENERIC HARD COAT - TINTABLE		
Product Name	:	ASPHERIC / SPHERICAL SINGLE VISION		
Product type	:	FINISHED STOCK LENS		
Reference	:	00375.FS2		
Date	:	27 Sept 2013	Page	: 1 of 3

Product Codes:

CAT Code:	LGC:	Description:
V11	T3831	GEN FIN SV AS POLY HC-T 65+
	T3832	GEN FIN SV AS POLY HC-T 65X
V12	T3843	GEN FIN SV POLY HC-T 75-

Material & Coating Specifications:

Type	POLYCARBONATE
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g.cm^{-3}
UV Protection (ISO)	2.0mm Centre Thickness. UVA: 100 %, UVB: 100 % (ISO 8980-3, ANSI Z80-1)
Coating Type	Hard Coated - Tintable

Reference	:	00375.FS2					
Date	:	27 Sept 2013			Page	:	2 of 3

Product Range:

MINUS CYLINDER POWER

- CYL										- CYL									
-SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	+SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
0.00																			
0.25										0.25									
0.50										0.50									
0.75										0.75									
1.00										1.00									
1.25										1.25									
1.50										1.50									
1.75										1.75									
2.00										2.00									
2.25										2.25									
2.50										2.50									
2.75										2.75									
3.00										3.00									
3.25										3.25									
3.50										3.50									
3.75										3.75									
4.00										4.00									
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6.50																			
6.75																			
7.00																			
7.25																			
7.50																			
7.75																			
8.00																			

Reference	:	00375.FS2			
Date	:	27 Sept 2013	Page	:	3 of 3

Lens Geometry:

Aspheric 65mm and Spherical 75mm

Sphere Power Up to -2.00 cyl	Base Curve	Curve Radius	Center Thickness
+4.00	6.01	88.186	4.5
+3.75	6.01	88.186	4.2
+3.50	6.01	88.186	4.0
+3.25	6.01	88.186	3.8
+3.00	5.59	94.812	3.7
+2.75	5.59	94.812	3.5
+2.50	5.59	94.812	3.2
+2.25	5.16	102.713	3.1
+2.00	5.16	102.713	2.8
+1.75	5.16	102.713	2.6
+1.50	4.73	112.051	2.5
+1.25	4.73	112.051	2.2
+1.00	4.73	112.051	2.0
+0.75	4.28	123.832	1.9
+0.50	4.28	123.832	1.7
+0.25	4.28	123.832	1.6
Plano	4.28	123.832	1.5
Plano	5.82	91.065	1.5
-0.25	5.60	94.643	1.5
-0.50	5.38	98.513	1.5
-0.75	5.16	102.713	1.5
-1.00	4.93	107.505	1.5
-1.25	4.71	112.527	1.5
-1.50	4.49	118.040	1.5
-1.75	4.71	112.527	1.4
-2.00	4.49	118.040	1.4
-2.25	4.27	124.122	1.4
-2.50	4.04	131.188	1.4
-2.75	3.82	138.743	1.4
-3.00	3.60	147.222	1.4
-3.25	3.82	138.743	1.3
-3.50	3.60	147.222	1.3
-3.75	3.37	157.270	1.3
-4.00	3.15	168.254	1.3
-4.25	2.90	182.759	1.3
-4.50	2.67	198.502	1.3
-4.75	2.90	182.759	1.3
-5.00	2.67	198.502	1.3
-5.25	2.45	216.327	1.3
-5.50	2.22	238.739	1.3
-5.75	2.00	265.000	1.3
-6.00	1.77	299.435	1.3
-6.25	2.04	259.804	1.3
-6.50	1.82	291.209	1.3
-6.75	2.04	259.804	1.3
-7.00	1.82	291.209	1.3
-7.25	1.60	331.250	1.3
-7.50	1.38	384.058	1.3
-7.75	1.15	460.870	1.3
-8.00	0.93	569.892	1.3

	Cylinders									
Spheres	0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00	
4.00										
3.00										
2.00					65mm					
1.00										
PLANO										
-1.00										
-2.00					75mm					
-3.00										
-4.00										
-5.00										
-6.00										
-7.00					75mm					
-8.00										



PRODUCT FACT SHEET

Substrate	:	POLYCARBONATE GENERIC HC+		
Product Name	:	ASPHERIC SINGLE VISION		
Product type	:	FINISHED STOCK LENS		
Reference	:	00374.FS2		
Date	:	27 Sept 2013	Page	: 1 of 3

Product Codes:

CAT Code:	LGC:	Description:
V17	T3891	ZEISS FIN SV AS CLT POLY HC+ 65+
	T3892	ZEISS FIN SV AS CLT POLY HC+ 65X
V18	T3903	ZEISS FIN SV AS CLT POLY HC+ 75-

Material & Coating Specifications:

Type	POLYCARBONATE
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g.cm^{-3}
UV Protection (ISO)	2.0mm Centre Thickness. UVA: 100 %, UVB: 100 % (ISO 8980-3, ANSI Z80-1)
Coating Type	Hard Coated

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Reference	:	00374.FS2					
Date	:	27 Sept 2013			Page	:	2 of 3

Product Range:

MINUS CYLINDER POWER

- CYL										- CYL									
-SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	+SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
0.00																			
0.25										0.25									
0.50										0.50									
0.75										0.75									
1.00										1.00									
1.25										1.25									
1.50										1.50									
1.75										1.75									
2.00										2.00									
2.25										2.25									
2.50										2.50									
2.75										2.75									
3.00										3.00									
3.25										3.25									
3.50										3.50									
3.75										3.75									
4.00										4.00									
4.25																			
4.50																			
4.75																			
5.00																			
5.25																			
5.50																			
5.75																			
6.00																			

Reference	:	00374.FS2			
Date	:	27 Sept 2013	Page	:	3 of 3

Lens Geometry:

Plus Range

Aspheric Finished Single Vision 65mm Aspheric Finished Single Vision

Sphere Power Up to -2.00 cyl	Base Curve	Curve Radius	Center Thickness
+0.25	4.28	123.832	1.6
+0.50	4.28	123.832	1.7
+0.75	4.28	123.832	1.8
+1.00	4.73	112.051	2.0
+1.25	4.73	112.051	2.2
+1.50	4.73	112.051	2.5
+1.75	5.16	102.713	2.6
+2.00	5.16	102.713	2.8
+2.25	5.16	102.713	3.1
+2.50	5.59	94.812	3.2
+2.75	5.59	94.812	3.5
+3.00	5.59	94.812	3.7
+3.25	6.01	88.186	3.8
+3.50	6.01	88.186	4.0
+3.75	6.01	88.186	4.2
+4.00	6.01	88.186	4.5

Minus Range

75mm Aspheric Finished Single Vision

Sphere Power Up to -1.50 cyl	Base Curve	Curve Radius	Center Thickness
Plano	4.28	123.832	1.5
-0.25	4.28	123.832	1.5
-0.50	4.28	123.832	1.5
-0.75	4.28	123.832	1.5
-1.00	4.28	123.832	1.5
-1.25	3.83	138.381	1.5
-1.50	3.83	138.381	1.5
-1.75	3.83	138.381	1.5
-2.00	3.83	138.381	1.5
-2.25	3.38	156.805	1.5
-2.50	3.38	156.805	1.5
-2.75	3.38	156.805	1.5
-3.00	3.38	156.805	1.5
-3.25	2.93	180.887	1.4
-3.50	2.93	180.887	1.4
-3.75	2.93	180.887	1.4
-4.00	2.93	180.887	1.4
-4.25	2.48	213.710	1.4
-4.50	2.48	213.710	1.4
-4.75	2.48	213.710	1.3
-5.00	2.48	213.710	1.3
-5.25	1.81	292.818	1.3
-5.50	1.81	292.818	1.3
-5.75	1.81	292.818	1.3
-6.00	1.81	292.818	1.3



PRODUCT FACT SHEET

Substrate	:	POLYCARBONATE GENERIC HC		
Product Name	:	SPHERICAL SINGLE VISION		
Product type	:	FINISHED STOCK LENS		
Reference	:	00373.FS1		
Date	:	17 June 2013	Page	: 1 of 3

Product Codes:

CAT Code:	LGC:	Description:
V09	T3811	GEN FIN SV POLY HC 65+
	T3812	GEN FIN SV POLY HC 65X
V10	T3823	GEN FIN SV POLY HC 75-

Material & Coating Specifications:

Type	POLYCARBONATE
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g.cm^{-3}
UV Protection (ISO)	2.0mm Centre Thickness. UVA: 100 %, UVB: 100 % (ISO 8980-3, ANSI Z80-1)
Coating Type	Hard Coated

Reference	:	00373.FS1					
Date	:	17 June 2013			Page	:	2 of 3

Product Range:

MINUS CYLINDER POWER

- CYL										- CYL									
-SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	+SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
0.00																			
0.25										0.25									
0.50										0.50									
0.75										0.75									
1.00										1.00									
1.25										1.25									
1.50										1.50									
1.75										1.75									
2.00										2.00									
2.25										2.25									
2.50										2.50									
2.75										2.75									
3.00										3.00									
3.25										3.25									
3.50										3.50									
3.75										3.75									
4.00										4.00									
4.25																			
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5.25																			
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6.00																			
6.25																			
6.50																			
6.75																			
7.00																			
7.25																			
7.50																			
7.75																			
8.00																			

Reference	:	00373.FS1			
Date	:	17 June 2013	Page	:	3 of 3

Lens Geometry:

ZEISS PRODUCT REFERENCE GUIDE

Polycarbonate

Zeiss Spherical FSV

Zeiss Spherical FSV HMC

Zeiss Spherical FSV HMC+

65/75mm Spherical Finished Single Vision

Sphere Power Up to -2.00 cyl	Front Curve (1.530)	Front Radius	Center Thickness (mm)
+4.00	6.33	83.728	4.9
+3.75	6.33	83.728	4.7
+3.50	6.33	83.728	4.5
+3.25	6.33	83.728	4.2
+3.00	6.33	83.728	4.0
+2.75	6.33	83.728	3.8
+2.50	6.33	83.728	3.5
+2.25	5.20	101.923	3.3
+2.00	5.20	101.923	3.0
+1.75	5.20	101.923	2.8
+1.50	5.20	101.923	2.6
+1.25	5.20	101.923	2.4
+1.00	5.20	101.923	2.1
+0.75	5.20	101.923	1.9
+0.50	5.20	101.923	1.9
+0.25	5.20	101.923	1.8
0.00	4.07	130.221	1.8
-0.25	4.07	130.221	1.6
-0.50	4.07	130.221	1.5
-0.75	4.07	130.221	1.5
-1.00	2.94	180.272	1.5
-1.25	2.94	180.272	1.5
-1.50	2.94	180.272	1.5
-1.75	2.94	180.272	1.4
-2.00	2.94	180.272	1.4
-2.25	2.94	180.272	1.4
-2.50	2.94	180.272	1.4
-2.75	2.94	180.272	1.4
-3.00	2.03	261.084	1.4
-3.25	2.03	261.084	1.3
-3.50	2.03	261.084	1.3
-3.75	2.03	261.084	1.3
-4.00	2.03	261.084	1.3
-4.25	2.03	261.084	1.3
-4.50	2.03	261.084	1.3
-4.75	2.03	261.084	1.3
-5.00	1.13	469.027	1.3
-5.25	1.13	469.027	1.3
-5.50	1.13	469.027	1.3
-5.75	1.13	469.027	1.3
-6.00	1.13	469.027	1.3
-6.25	1.13	469.027	1.3
-6.50	1.13	469.027	1.3
-6.75	1.13	469.027	1.3
-7.00	0.45	1177.778	1.3
-7.25	0.45	1177.778	1.3
-7.50	0.45	1177.778	1.3
-7.75	0.45	1177.778	1.3
-8.00	0.45	1177.778	1.3



Substrate : **POLYCARBONATE**

Product Name : **SINGLE VISION**

Product Type : **FINISHED LENSES**

Reference : F5118216_2

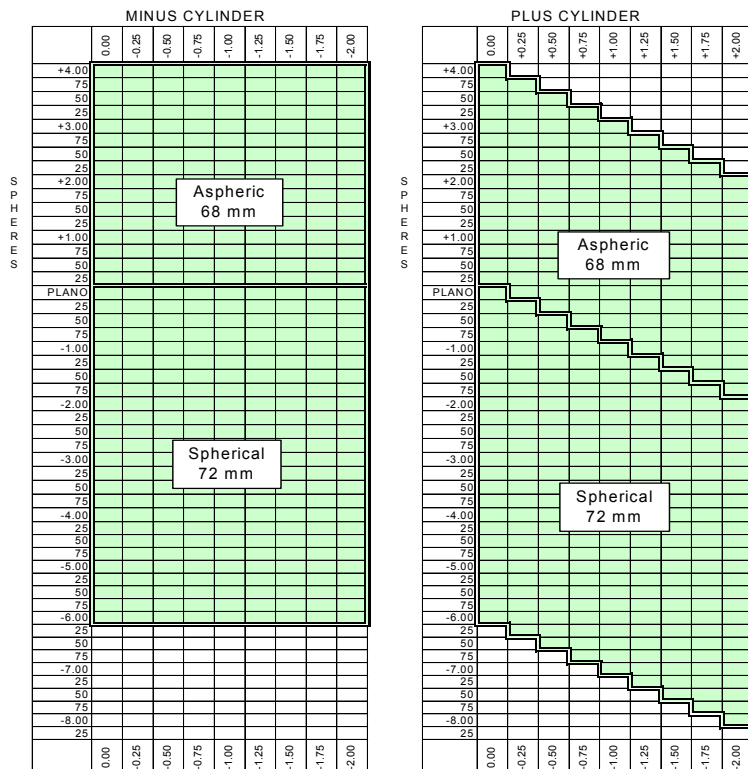
Date : 28 Feb 2003

Page : 1 of 2

Design :

Power Range	Design	Actual Diameter	Usable Diameter
+4.00 to +0.25	Aspheric	68 mm	68 mm
0.00 to -6.00	Spherical	74 mm	72 mm

Product Range : 68mm Cat Code = R61 72mm Cat Code = R62



Material & Coating Specifications:

Type	Polycarbonate	
Refractive Index	$\eta_d = 1.586$	$\eta_e = 1.590$
Abbe Number	$v_d = 30$	$v_e = 29$
Density	1.20 g.cm ⁻³	
UV Protection (ISO)	UVA : 100 % : UVB : 100 %	
Coating Types	HC	

For External Distribution

Geometry:

Nominal Values : 68 mm ASPHERIC PLUS RANGE (Sphere Geometry) in 1.530 Index						
Power (D)	Diameter (mm)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Weight (g)
+4.00	68.0	5.28	-1.76	5.0	1.0	13
+3.75	68.0	5.28	-1.98	4.8	1.0	13
+3.50	68.0	5.28	-2.20	4.5	1.0	12
+3.25	68.0	4.20	-1.33	4.2	1.0	11
+3.00	68.0	4.20	-1.56	3.7	1.0	10
+2.75	68.0	4.20	-1.78	3.4	1.0	9
+2.50	68.0	4.20	-2.00	3.2	1.0	9
+2.25	68.0	4.20	-2.22	2.9	1.0	8
+2.00	68.0	3.88	-2.10	2.9	1.0	8
+1.75	68.0	3.88	-2.33	2.6	1.0	8
+1.50	68.0	3.88	-2.53	2.4	1.0	7
+1.25	68.0	3.88	-2.75	2.1	1.0	7
+1.00	68.0	3.88	-2.97	2.0	1.1	7
+0.75	68.0	3.88	-3.20	1.8	1.2	7
+0.50	68.0	3.88	-3.43	1.7	1.3	6
+0.25	68.0	3.88	-3.65	1.5	1.4	6

Nominal Values : 72 mm SPHERICAL MINUS RANGE (Sphere Geometry) in 1.530 Index						
Power (D)	Diameter (mm)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Weight (g)
0.00	72.0	3.83	-3.85	2.0	2.0	10
-0.25	72.0	3.83	-4.07	1.7	2.0	10
-0.50	72.0	3.83	-4.30	1.7	2.3	11
-0.75	72.0	3.83	-4.52	1.7	2.6	11
-1.00	72.0	3.83	-4.75	1.7	2.9	12
-1.25	72.0	3.83	-4.98	1.7	3.2	13
-1.50	72.0	3.83	-5.20	1.7	3.5	11
-1.75	72.0	3.83	-5.43	1.4	3.5	13
-2.00	72.0	3.83	-5.65	1.4	3.8	12
-2.25	72.0	3.83	-5.88	1.4	4.1	13
-2.50	72.0	3.83	-6.10	1.4	4.4	14
-2.75	72.0	3.83	-6.33	1.4	4.8	15
-3.00	72.0	3.83	-6.56	1.4	5.1	15
-3.25	72.0	4.05	-7.01	1.3	5.4	16
-3.50	72.0	3.83	-7.01	1.3	5.7	17
-3.75	72.0	3.60	-7.01	1.3	5.9	17
-4.00	72.0	3.38	-7.01	1.3	6.2	18
-4.25	72.0	3.60	-7.46	1.2	6.5	19
-4.50	72.0	3.38	-7.46	1.2	6.8	19
-4.75	72.0	3.16	-7.46	1.2	7.1	20
-5.00	72.0	2.93	-7.46	1.2	7.4	20
-5.25	72.0	3.15	-7.91	1.2	7.7	21
-5.50	72.0	2.93	-7.91	1.2	8.0	22
-5.75	72.0	2.70	-7.91	1.2	8.3	23
-6.00	72.0	2.48	-7.91	1.2	8.6	23



PRODUCT FACT SHEET

Substrate	:	POLYCARBONATE HC 2.00mm CT SAFETY		
Product Name	:	SPHERICAL SINGLE VISION		
Product type	:	FINISHED STOCK LENS		
Reference	:	00372.FS4		
Date	:	4 Apr 2014	Page	: 1 of 3

Product Codes:

CAT Code:	LGC:	Description:
V13	T3851	GEN FIN 2.0 SAFE SV POLY HC 70+
	T3852	GEN FIN 2.0 SAFE SV POLY HC 70X
V14	T3863	GEN FIN 2.0 SAFE SV POLY HC 75-

Material & Coating Specifications:

Type	POLYCARBONATE
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g.cm^{-3}
UV Protection (ISO)	2.0mm Centre Thickness. UVA: 100 %, UVB: 100 % (ISO 8980-3, ANSI Z80-1)
Coating Type	Hard Coated

Reference	:	00372.FS4										
Date	:	4 Apr 2014							Page	:	2 of 3	

Product Range:

MINUS CYLINDER POWER

- CYL										- CYL									
-SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	+SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
0.00																			
0.25										0.25									
0.50										0.50									
0.75										0.75									
1.00										1.00									
1.25										1.25									
1.50										1.50									
1.75										1.75									
2.00										2.00									
2.25										2.25									
2.50										2.50									
2.75										2.75									
3.00										3.00									
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5.00																			
5.25																			
5.50																			
5.75																			
6.00																			

Reference	:	00372.FS4		
Date	:	4 Apr 2014	Page	: 3 of 3

Lens Geometry:

Plus			
Reference Drawing 5017			
Diameter: 70.00			
Sphere Powers	CT Nominal (mm)	ET Nominal (mm)	Front Curve (Diopter) Tool Index 1.530
0,25	2,33	2,10	4,93
0,50	2,62	2,10	5,16
0,75	2,90	2,10	5,38
1,00	3,18	2,10	5,60
1,25	3,44	2,10	5,80
1,50	3,71	2,10	6,01
1,75	4,02	2,10	6,24
2,00	4,25	2,10	5,60
2,25	4,51	2,10	5,80
2,50	4,78	2,10	6,01
2,75	5,09	2,10	6,24
3,00	5,35	2,10	6,44

Minus			
Reference Drawing 5017			
Diameter: 75.00			
Sphere Powers	CT Nominal (mm)	ET Nominal (mm)	Front Curve (Diopter) Tool Index 1.530
0,00	2,10	2,20	5,87
-0,25	2,10	2,50	5,87
-0,50	2,10	2,90	5,87
-0,75	2,10	3,20	5,87
-1,00	2,10	3,50	4,93
-1,25	2,10	3,90	4,71
-1,50	2,10	4,20	4,49
-1,75	2,10	4,60	4,71
-2,00	2,10	4,90	4,49
-2,25	2,10	5,30	4,27
-2,50	2,10	5,60	4,04
-2,75	2,10	6,00	3,82
-3,00	2,10	6,30	3,60
-3,25	2,10	6,80	3,82
-3,50	2,10	7,10	3,60
-3,75	2,10	7,40	3,37
-4,00	2,10	7,70	3,15
-4,25	2,10	8,10	2,90
-4,50	2,10	8,40	2,67
-4,75	2,10	8,80	2,90
-5,00	2,10	9,20	2,67
-5,25	2,10	9,50	2,45
-5,50	2,10	9,80	2,22
-5,75	2,10	10,10	2,00
-6,00	2,10	10,40	1,77

PRODUCT FACT SHEET

Product Name synchrony Finished SV SPH 1.53 HC

1. Customer Product Codes

EDI Code:	CAT Code:	LGC:	LGC Description:	Notes	FDA
14943	C52	T3551	SYNC FSV SPH 153 HC 65+ ---	Country of origin on Label	yes
		T3552	SYNC FSV SPH 153 HC 65X ---		
	C53	T3563	SYNC FSV SPH 153 HC 70- ---		

2. Material & Coating Specifications:

Type	TRIVEX®	
Refractive Index	$n_d = 1.527$	$n_e = 1.530$
Abbe Number	$v_d = 58$	$v_e = 56$
Density	1.11 g/cm ³	
UV Protection (ISO)	UVA : 100 %, UVB : 100 %	
Coating Type	Hard Coated	

3. Design:

Power Range	Design	Diameter
+6.00 to +0.25	Spherical	65 mm (±1.0)
0.00 to -6.00	Spherical	70 mm (±1.0)

4. Product Markings: None

Document Number: 00617.FS1
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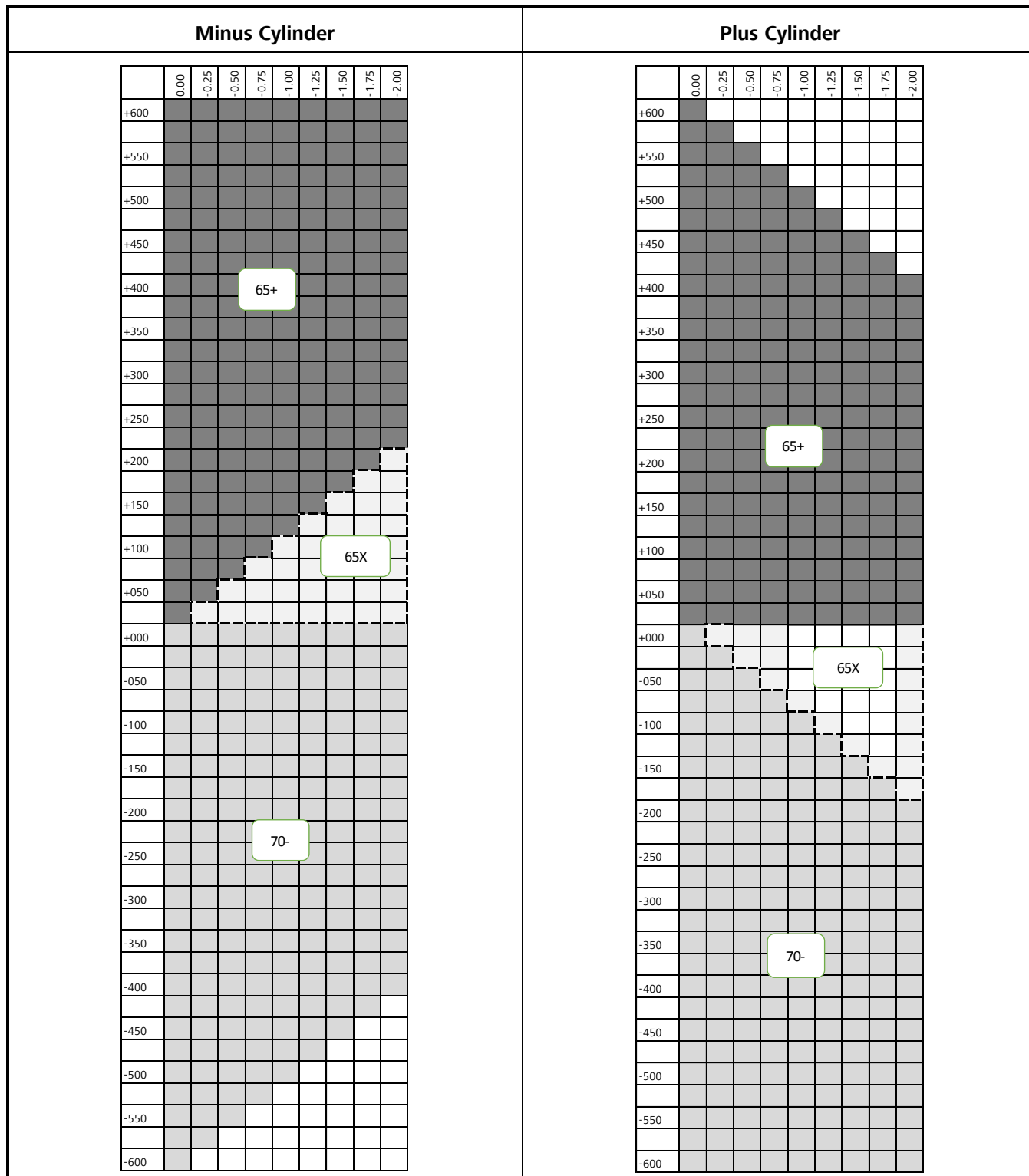
Reviewed by: Geoff Riley, 01 Sep 2017
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PRODUCT FACT SHEET

Product Name

synchrony Finished SV SPH 1.53 HC

5. Product Range:



Document Number: 00617.FS1

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Reviewed by: Geoff Riley, 01 Sep 2017

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PRODUCT FACT SHEET

Product Name synchrony Finished SV SPH 1.53 HC

6. Lens Geometry: (Sphere Powers only)

65 mm Plus Range (Sphere Geometry) in 1.530 Index									
Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)
+6.00	8.25	-2.25	7.2	1.0	+3.00	6.00	-3.00	4.3	1.1
+5.75	8.00	-2.25	7.0	1.0	+2.75	5.75	-3.00	4.1	1.2
+5.50	7.75	-2.25	6.7	1.0	+2.50	5.50	-3.00	3.8	1.2
+5.25	7.50	-2.25	6.5	1.0	+2.25	5.25	-3.00	3.6	1.2
+5.00	7.25	-2.25	6.2	1.0	+2.00	5.25	-3.25	3.3	1.2
+4.75	7.00	-2.25	6.0	1.0	+1.75	5.00	-3.25	3.3	1.5
+4.50	6.75	-2.25	5.8	1.0	+1.50	4.75	-3.25	3.1	1.5
+4.25	6.50	-2.25	5.5	1.0	+1.25	4.50	-3.25	2.9	1.6
+4.00	7.00	-3.00	5.3	1.0	+1.00	5.00	-4.00	2.5	1.4
+3.75	6.75	-3.00	5.0	1.0	+0.75	4.75	-4.00	2.5	1.7
+3.50	6.50	-3.00	4.8	1.1	+0.50	4.50	-4.00	2.5	2.0
+3.25	6.25	-3.00	4.5	1.0	+0.25	4.25	-4.00	2.6	2.3

70 mm Minus Range (Sphere Geometry) in 1.530 Index Minimum CT 1.5 mm									
Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)
±0.00	4.25	4.25	2.0	2.0	-3.25	2.00	5.25	1.5	5.4
-0.25	4.00	4.25	2.0	2.3	-3.50	1.75	5.25	1.5	5.7
-0.50	3.75	4.25	2.0	2.6	-3.75	2.00	5.75	1.5	6.1
-0.75	3.50	4.25	2.0	2.9	-4.00	1.75	5.75	1.5	6.4
-1.00	3.25	4.25	1.9	3.1	-4.25	1.50	5.75	1.5	6.7
-1.25	3.00	4.25	1.9	3.4	-4.50	1.25	5.75	1.5	7.0
-1.50	3.50	5.00	1.8	3.6	-4.75	1.00	5.75	1.5	7.2
-1.75	3.25	5.00	1.8	3.9	-5.00	1.35	6.35	1.5	7.6
-2.00	3.00	5.00	1.7	4.1	-5.25	1.10	6.35	1.5	7.9
-2.25	2.75	5.00	1.7	4.4	-5.50	0.85	6.35	1.5	8.2
-2.50	2.75	5.25	1.6	4.7	-5.75	0.60	6.35	1.5	8.5
-2.75	2.50	5.25	1.6	5.0	-6.00	0.35	6.35	1.5	8.8
-3.00	2.25	5.25	1.5	5.1					

6.1 Lens Thickness tolerance:

Nominal Sphere Power (D)	Centre Thickness (mm)
+6.00 to +1.50	± 0.20
+1.25 to +0.25	± 0.25
+0.00 to -6.00	± 0.15

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV Sph 1.5 DuraVision Platinum

1. Customer Product Codes

EDI	Name	Range	LGC	CAT
10672	ZEISS Finished SV SPH 1.5 DuraVision Platinum	65	T6141, T6142	H87
		70	T6153	H88

2. Product Features:

Material	1.50 Polymer Clear
Refractive Index	$n_d = 1.499$ (Helium 'd' line 587.56nm) $n_e = 1.500$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA: 91 %, UVB: 100 %
Coating	DuraVision Platinum Blue rest reflex Premium scratch resistance Anti-static, Dirt and dust repellent Easy cleaning function, Water and oil repellent

3. Design:

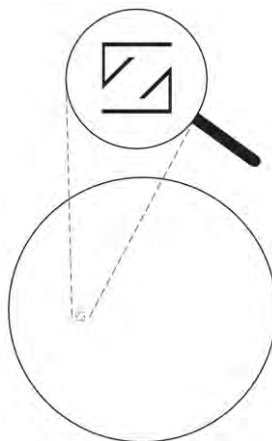
Power Range	Design	Diameter
+6.00 to +0.25	Spherical	65 mm
0.00 to -6.00	Spherical	70 mm

4. Product Markings:

ZEISS LOGO – LASER ENGRAVED

The engraving is located on the Concave surface (back) of the lens, measuring 2.0 x 2.0 mm.

Example of Trademark Logo:



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Reviewed by: Lars Mendel 16 Jul 2015
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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV Sph 1.5 DuraVision Platinum

5. Product Range (Minus Cylinder):

	0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00
+600									
+550									
+500									
+450									
+400									
+350		65							
+300									
+250									
+200									
+150									
+100									
+050									
+000									
-050									
-100									
-150									
-200									
-250									
-300									
-350									
-400									
-450									
-500									
-550									
-600									

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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV Sph 1.5 DuraVision Platinum

6. Lens Geometry

Nominal Values: 65mm Plus Range (Sphere Geometry Only) in 1.530 Index					
Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)
+6.00	+8.78	-2.80	7.7	1.0	24
+5.75	+8.55	-2.80	7.4	1.0	23
+5.50	+8.32	-2.80	7.1	1.0	22
+5.25	+8.09	-2.80	6.8	1.0	22
+5.00	+7.85	-2.80	6.5	1.0	21
+4.75	+7.61	-2.80	6.2	1.0	20
+4.50	+7.37	-2.80	6.0	1.0	19
+4.25	+7.55	-3.25	5.7	1.0	19
+4.00	+7.31	-3.25	5.4	1.0	18
+3.75	+7.07	-3.25	5.1	1.0	18
+3.50	+6.82	-3.25	4.9	1.0	17
+3.25	+7.05	-3.75	4.6	1.0	16
+3.00	+6.81	-3.75	4.3	1.0	16
+2.75	+6.56	-3.75	4.0	1.0	15
+2.50	+6.31	-3.75	3.8	1.0	14
+2.25	+6.54	-4.25	3.5	1.0	14
+2.00	+6.29	-4.25	3.2	1.0	13
+1.75	+6.04	-4.25	3.0	1.0	13
+1.50	+5.79	-4.25	2.7	1.0	12
+1.25	+5.92	-4.65	2.4	1.0	11
+1.00	+5.67	-4.65	2.1	1.0	11
+0.75	+5.41	-4.65	2.0	1.2	11
+0.50	+5.15	-4.65	2.0	1.5	12
+0.25	+5.30	-5.07	2.0	1.7	12

Document Number: Z00556.FS1a

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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV Sph 1.5 DuraVision Platinum

6. Lens Geometry (continued)

Nominal Values: 70mm Minus Range (Sphere Geometry Only) in 1.530 Index					
Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)
0.00	5.71	-5.75	2.0	2.1	14
-0.25	5.45	-5.75	1.8	2.2	14
-0.50	5.19	-5.75	1.8	2.5	15
-0.75	4.93	-5.75	1.8	2.9	16
-1.00	4.66	-5.75	1.8	3.2	16
-1.25	5.14	-6.50	1.8	3.6	17
-1.50	4.88	-6.50	1.8	3.9	18
-1.75	4.62	-6.50	1.8	4.2	19
-2.00	4.35	-6.50	1.8	4.6	20
-2.25	4.59	-7.00	1.8	4.9	21
-2.50	4.32	-7.00	1.8	5.3	22
-2.75	4.06	-7.00	1.8	5.6	22
-3.00	3.80	-7.00	1.8	5.9	23
-3.25	4.03	-7.50	1.8	6.3	24
-3.50	3.77	-7.50	1.8	6.6	25
-3.75	3.50	-7.50	1.8	7.0	26
-4.00	3.24	-7.50	1.8	7.3	27
-4.25	3.47	-8.00	1.8	7.7	28
-4.50	3.21	-8.00	1.8	8.0	28
-4.75	2.95	-8.00	1.8	8.4	29
-5.00	2.68	-8.00	1.8	8.7	30
-5.25	2.42	-8.00	1.8	9.0	31
-5.50	2.15	-8.00	1.8	9.3	31
-5.75	1.89	-8.00	1.8	9.6	32
-6.00	1.62	-8.00	1.8	9.9	33

Document Number: Z00556.FS1a

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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV Sph 1.5 DuraVision Platinum

7. Label:



8. Envelope:

ZEISS SL Universal Substrate CE & USFDA Marked

Dimensions: 85W x 93H x 19G + 50F (Width, Height, Gusset, Flap – all dimensions in mm)



Document Number: Z00556.FS1a

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV Sph 1.5 DuraVision Silver

1. Customer Product Codes:

EDI	Name	Range	LGC	CAT
10674	ZEISS Finished SV Sph 1.5 DuraVision Silver	65	T5751	H85
			T5752	H85
		70	T5763	H86

2. Product Features:

Material	1.50 Polymer Clear
Refractive Index	$n_d = 1.499$ (Helium 'd' line 587.56nm) $n_e = 1.500$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA: 91 %, UVB: 100 %
Coating	DuraVision Silver Blue rest reflex Scratch resistance Anti-static, Dirt and dust repellent Easy cleaning function, Water and oil repellent

3. Design:

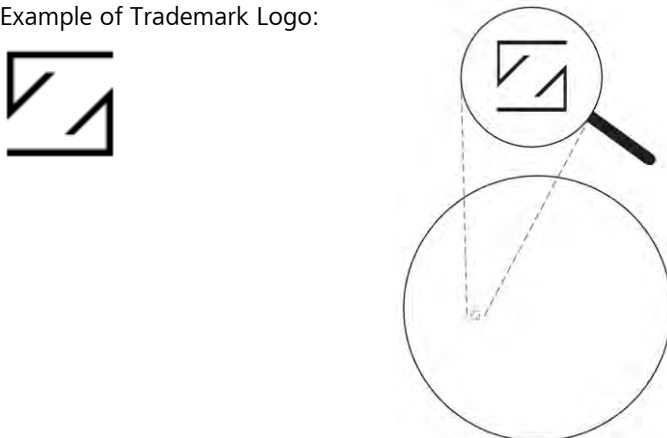
Power Range	Design	Diameter
+6.00 to +0.25	Spherical	65 mm
0.00 to -6.00	Aspheric	70 mm

4. Product Markings:

ZEISS LOGO – LASER ENGRAVED

The engraving is located on the Concave surface (back) of the lens, measuring 2.0 x 2.0 mm.

Example of Trademark Logo:



Document Number: Z00604.FS1
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Reviewed by: Lars Mendel 16 Jul 2015

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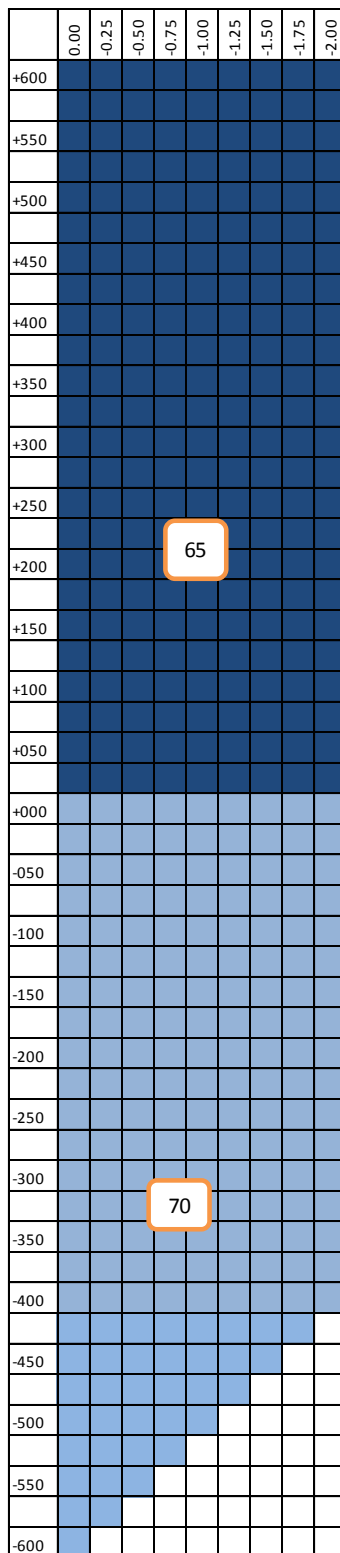
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV Sph 1.5 DuraVision Silver

5. Product Range:



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PRODUCT FACT SHEET



Product Name ZEISS Finished SV Sph 1.5 DuraVision Silver

6. Lens Geometry:

Nominal Values: 65mm Plus Range (Sphere Geometry Only) in 1.530 Index					
Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)
+6.00	+8.78	-2.80	7.7	1.0	24
+5.75	+8.55	-2.80	7.4	1.0	23
+5.50	+8.32	-2.80	7.1	1.0	22
+5.25	+8.09	-2.80	6.8	1.0	22
+5.00	+7.85	-2.80	6.5	1.0	21
+4.75	+7.61	-2.80	6.2	1.0	20
+4.50	+7.37	-2.80	6.0	1.0	19
+4.25	+7.55	-3.25	5.7	1.0	19
+4.00	+7.31	-3.25	5.4	1.0	18
+3.75	+7.07	-3.25	5.1	1.0	18
+3.50	+6.82	-3.25	4.9	1.0	17
+3.25	+7.05	-3.75	4.6	1.0	16
+3.00	+6.81	-3.75	4.3	1.0	16
+2.75	+6.56	-3.75	4.0	1.0	15
+2.50	+6.31	-3.75	3.8	1.0	14
+2.25	+6.54	-4.25	3.5	1.0	14
+2.00	+6.29	-4.25	3.2	1.0	13
+1.75	+6.04	-4.25	3.0	1.0	13
+1.50	+5.79	-4.25	2.7	1.0	12
+1.25	+5.92	-4.65	2.4	1.0	11
+1.00	+5.67	-4.65	2.1	1.0	11
+0.75	+5.41	-4.65	2.0	1.2	11
+0.50	+5.15	-4.65	2.0	1.5	12
+0.25	+5.30	-5.07	2.0	1.7	12

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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV Sph 1.5 DuraVision Silver

6. Lens Geometry (continued):

Nominal Values: 70mm Minus Range 2.2CT (Sphere Geometry Only) in 1.530 Index					
Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)
0.00	5.71	-5.75	2.2	2.3	15
-0.25	5.45	-5.75	2.2	2.6	15
-0.50	5.19	-5.75	2.2	2.9	16
-0.75	4.93	-5.75	2.2	3.3	17
-1.00	4.66	-5.75	2.2	3.6	18
-1.25	5.14	-6.50	2.2	4.0	19
-1.50	4.88	-6.50	2.2	4.3	19
-1.75	4.62	-6.50	2.2	4.6	20
-2.00	4.35	-6.50	2.2	5.0	21
-2.25	4.59	-7.00	2.2	5.4	22
-2.50	4.32	-7.00	2.2	5.7	23
-2.75	4.06	-7.00	2.2	6.0	23
-3.00	3.80	-7.00	2.2	6.3	24
-3.25	4.03	-7.50	2.2	6.7	25
-3.50	3.77	-7.50	2.2	7.1	26
-3.75	3.50	-7.50	2.2	7.4	27
-4.00	3.24	-7.50	2.2	7.7	28
-4.25	3.47	-8.00	2.2	8.2	29
-4.50	3.21	-8.00	2.2	8.5	30
-4.75	2.95	-8.00	2.2	8.9	31
-5.00	2.68	-8.00	2.2	9.1	31
-5.25	2.42	-8.00	2.2	9.4	32
-5.50	2.15	-8.00	2.2	9.7	33
-5.75	1.89	-8.00	2.2	10.0	33
-6.00	1.62	-8.00	2.2	10.3	34

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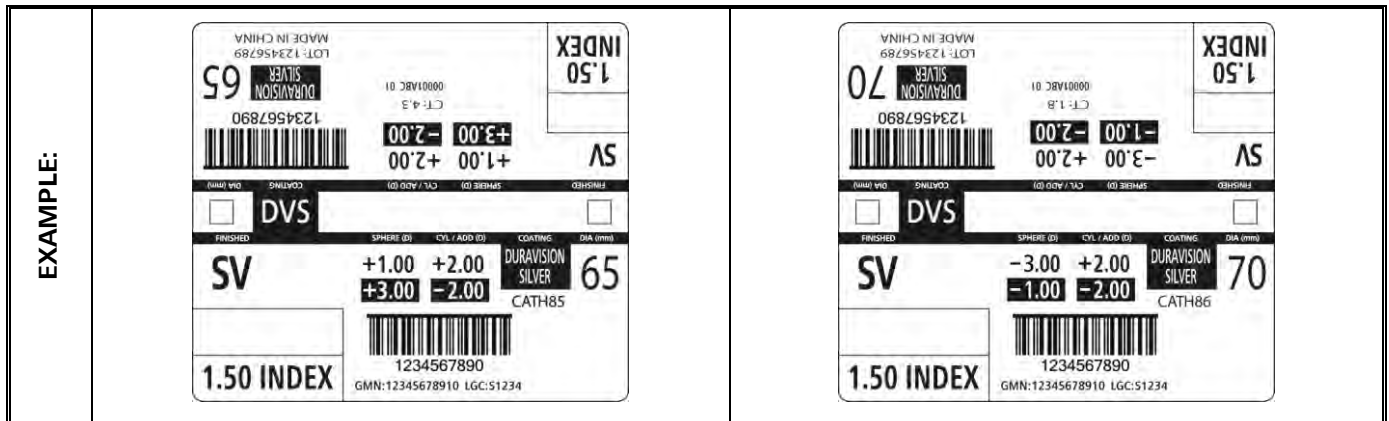
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PRODUCT FACT SHEET



Product Name ZEISS Finished SV Sph 1.5 DuraVision Silver

7. Label:



8. Envelope:

ZEISS SL Universal Substrate CE & USFDA Marked

Dimensions: 85W x 93H x 19G + 50F (Width, Height, Gusset, Flap – all dimensions in mm)



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PRODUCT FACT SHEET



Product Name ZEISS Finished SV SPH 1.5 DuraVision BlueProtect

1. Customer Product Codes

CAT Code:	EDI:	LGC:	LGC Description	Notes	FDA
Y57	14242	T8271	ZEISS FSV SPH 15 DVBP 65+ --D	Country of origin on Envelope	Yes
		T8272	ZEISS FSV SPH 15 DVBP 65X --D		
Y58		T8283	ZEISS FSV SPH 15 DVBP 70- --D		

2. Material & Coating Specifications:

Type	1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA 94%, UVB 100%
Coating Type	DuraVision BlueProtect
Coating Appearance	Front Side : Purple/Blue residual reflection colour Back Side : Blue residual reflection colour

3. Design:

Power Range	Design	Diameter
+6.00 to +0.25	Spherical	65 mm
0.00 to -6.00	Spherical	70 mm

4. Product Markings:

A Trademark Logo located on Back (concave) Surface of the lens

Example of Trademark Logo:	Dimensions of Trademark Logo:	

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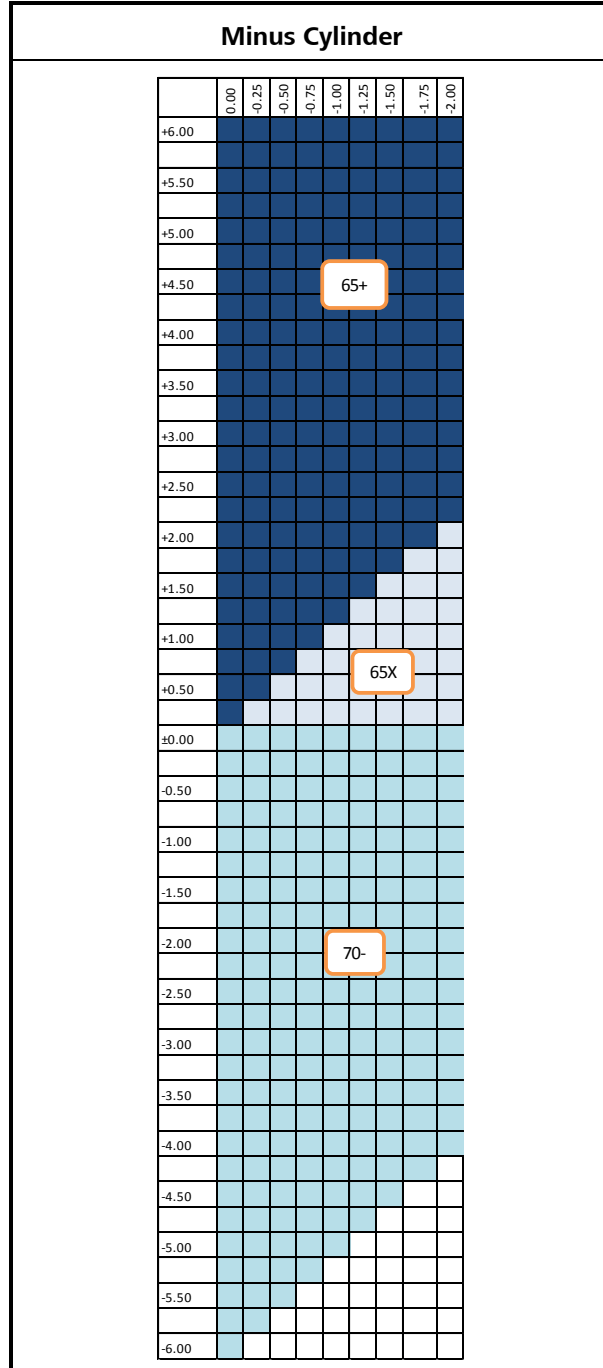
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Product Name

ZEISS Finished SV SPH 1.5 DuraVision BlueProtect

5. Product Range:



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 DuraVision BlueProtect

6. Lens Geometry:

- Notes 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
2: All curves are in 1.530 Index and all dimensions are in millimetres.

Lens Centre Thickness Tolerance

Note: No lens to be sold with a CT under 1.6mm

Lens Power Range (D)	Centre Thickness Tolerance
0.00 to +6.00	± 0.30 mm
-0.25 to -6.00	+0.30 / -0.20 mm

Nominal Values: 65mm Plus Range (Sphere Geometry Only) in 1.530 Index

Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)	Mould Front Curve (D)	Mould Back Curve (D)
+6.00	+8.78	-2.80	7.7	1.0	24	-8.77	2.50
+5.75	+8.55	-2.80	7.4	1.0	23	-8.54	2.50
+5.50	+8.32	-2.80	7.1	1.0	22	-8.29	2.50
+5.25	+8.09	-2.80	6.8	1.0	22	-8.07	2.50
+5.00	+7.85	-2.80	6.5	1.0	21	-7.85	2.50
+4.75	+7.61	-2.80	6.2	1.0	20	-7.61	2.50
+4.50	+7.37	-2.80	6.0	1.0	19	-7.35	2.50
+4.25	+7.55	-3.25	5.7	1.0	19	-7.56	3.00
+4.00	+7.31	-3.25	5.4	1.0	18	-7.31	3.00
+3.75	+7.07	-3.25	5.1	1.0	18	-7.07	3.00
+3.50	+6.82	-3.25	4.9	1.0	17	-6.81	3.00
+3.25	+7.05	-3.75	4.6	1.0	16	-7.08	3.50
+3.00	+6.81	-3.75	4.3	1.0	16	-6.79	3.50
+2.75	+6.56	-3.75	4.0	1.0	15	-6.55	3.50
+2.50	+6.31	-3.75	3.8	1.0	14	-6.28	3.50
+2.25	+6.54	-4.25	3.5	1.0	14	-6.49	4.00
+2.00	+6.29	-4.25	3.2	1.0	13	-6.22	4.00
+1.75	+6.04	-4.25	3.0	1.0	13	-5.95	4.00
+1.50	+5.79	-4.25	2.7	1.0	12	-5.68	4.00
+1.25	+5.92	-4.65	2.4	1.0	11	-5.88	4.50
+1.00	+5.67	-4.65	2.1	1.0	11	-5.60	4.50
+0.75	+5.41	-4.65	2.0	1.2	11	-5.33	4.50
+0.50	+5.15	-4.65	2.0	1.5	12	-5.06	4.50
+0.25	+5.30	-5.07	2.0	1.7	12	-5.27	5.00

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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 DuraVision BlueProtect

Nominal Values: 70mm Minus Range (Sphere Geometry Only) in 1.530 Index

Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)	Mould Front Curve (D)	Mould Back Curve (D)
0.00	5.71	-5.75	2.0	2.1	14	-5.69	+5.75
-0.25	5.45	-5.75	1.8	2.2	14	-5.40	+5.75
-0.50	5.19	-5.75	1.8	2.5	15	-5.12	+5.75
-0.75	4.93	-5.75	1.8	2.9	16	-4.84	+5.75
-1.00	4.66	-5.75	1.8	3.2	16	-4.55	+5.75
-1.25	5.14	-6.50	1.8	3.6	17	-5.01	+6.50
-1.50	4.88	-6.50	1.8	3.9	18	-4.73	+6.50
-1.75	4.62	-6.50	1.8	4.2	19	-4.45	+6.50
-2.00	4.35	-6.50	1.8	4.6	20	-4.17	+6.50
-2.25	4.59	-7.00	1.8	4.9	21	-4.38	+7.00
-2.50	4.32	-7.00	1.8	5.3	22	-4.10	+7.00
-2.75	4.06	-7.00	1.8	5.6	22	-3.82	+7.00
-3.00	3.80	-7.00	1.8	5.9	23	-3.54	+7.00
-3.25	4.03	-7.50	1.8	6.3	24	-3.74	+7.50
-3.50	3.77	-7.50	1.8	6.6	25	-3.47	+7.50
-3.75	3.50	-7.50	1.8	7.0	26	-3.19	+7.50
-4.00	3.24	-7.50	1.8	7.3	27	-2.91	+7.50
-4.25	3.47	-8.00	1.8	7.7	28	-3.11	+8.00
-4.50	3.21	-8.00	1.8	8.0	28	-2.83	+8.00
-4.75	2.95	-8.00	1.8	8.4	29	-2.56	+8.00
-5.00	2.68	-8.00	1.8	8.7	30	-2.28	+8.00
-5.25	2.42	-8.00	1.8	9.0	31	-2.00	+8.00
-5.50	2.15	-8.00	1.8	9.3	31	-1.72	+8.00
-5.75	1.89	-8.00	1.8	9.6	32	-1.45	+8.00
-6.00	1.62	-8.00	1.8	9.9	33	-1.17	+8.00

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV SPH 1.5 DuraVision Chrome [USA]

1. Customer Product Codes

EDI Code:	CAT Code:	LGC:	LGC Description:	Notes:	FDA
14245	Y59	T8291	ZEISS FSV SPH15 DVC 65+ --D	Country of Origin required on Label	Yes
		T8292	ZEISS FSV SPH15 DVC 65X --D		
	Y60	T8303	ZEISS FSV SPH15 DVC 70- --D		

2. Material & Coating Specifications:

Type	1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 94 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	DuraVision Chrome
Appearance	Green residual reflection colour

3. Design:

Power Range	Design	Diameter
+6.00 to +0.25	Spherical	65 mm
0.00 to -6.00	Spherical	70 mm

4. Product Markings:

A Trademark Logo located on Back (concave) Surface of the lens

Example of Trademark Logo:	Dimensions of Trademark Logo:	

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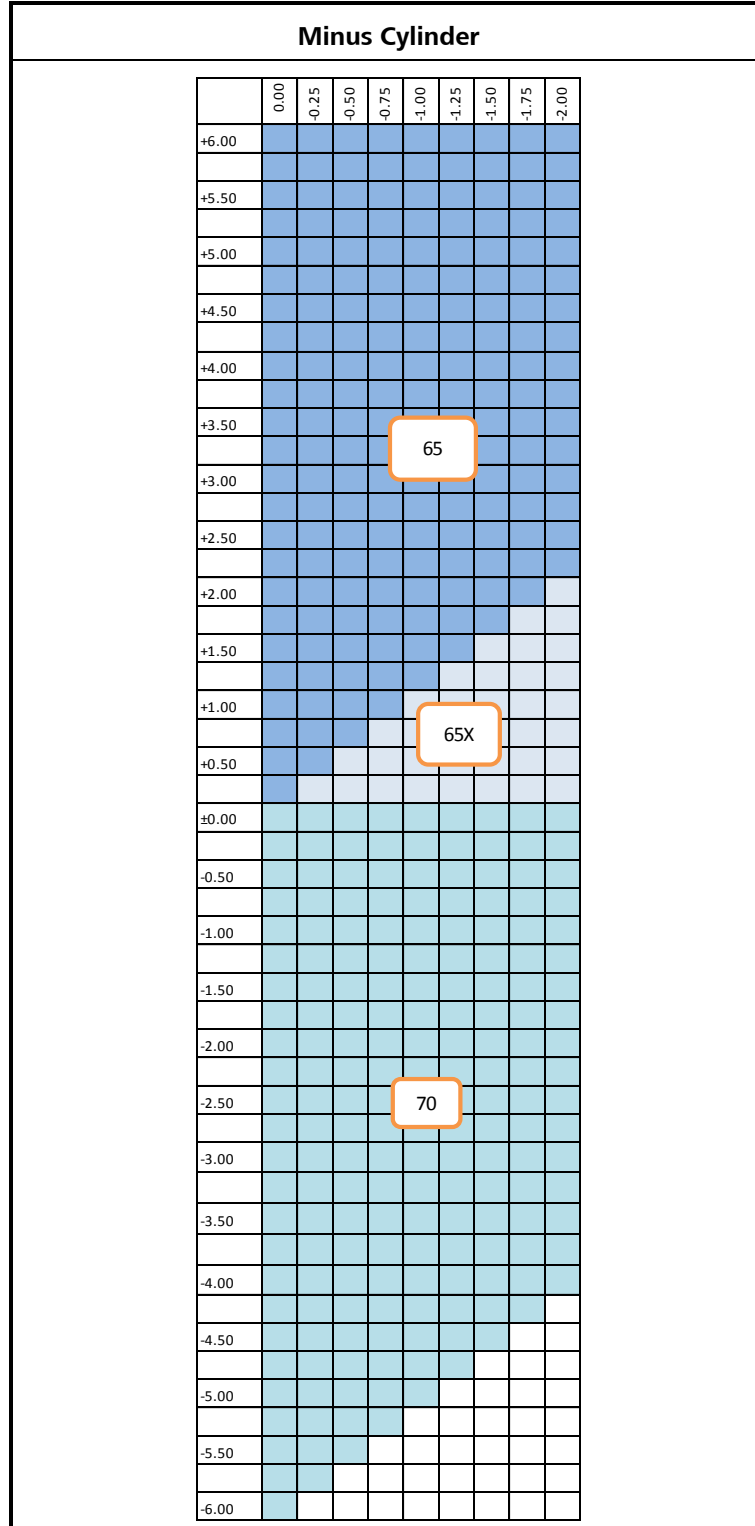
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 DuraVision Chrome [USA]

5. Product Range:



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PRODUCT FACT SHEET



Product Name ZEISS Finished SV SPH 1.5 DuraVision Chrome [USA]

6. Lens Geometry:

- Notes
- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
 - 2: All curves are in 1.530 Index and all dimensions are in millimetres
 - 3: No lens to be sold with a CT under 1.6mm

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) Nominal
+6.00	+8.78	-2.80	7.7	1.0	+3.00	+6.81	-3.75	4.3	1.0
+5.75	+8.55	-2.80	7.4	1.0	+2.75	+6.56	-3.75	4.0	1.0
+5.50	+8.32	-2.80	7.1	1.0	+2.50	+6.31	-3.75	3.8	1.0
+5.25	+8.09	-2.80	6.8	1.0	+2.25	+6.54	-4.25	3.5	1.0
+5.00	+7.85	-2.80	6.5	1.0	+2.00	+6.29	-4.25	3.2	1.0
+4.75	+7.61	-2.80	6.2	1.0	+1.75	+6.04	-4.25	3.0	1.0
+4.50	+7.37	-2.80	6.0	1.0	+1.50	+5.79	-4.25	2.7	1.0
+4.25	+7.55	-3.25	5.7	1.0	+1.25	+5.92	-4.65	2.4	1.0
+4.00	+7.31	-3.25	5.4	1.0	+1.00	+5.67	-4.65	2.1	1.0
+3.75	+7.07	-3.25	5.1	1.0	+0.75	+5.41	-4.65	2.0	1.2
+3.50	+6.82	-3.25	4.9	1.0	+0.50	+5.15	-4.65	2.0	1.5
+3.25	+7.05	-3.75	4.6	1.0	+0.25	+5.30	-5.07	2.0	1.7

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) Nominal
0.00	5.71	-5.75	2.0	2.1	-3.25	4.03	-7.50	1.8	6.3
-0.25	5.45	-5.75	1.8	2.2	-3.50	3.77	-7.50	1.8	6.6
-0.50	5.19	-5.75	1.8	2.5	-3.75	3.50	-7.50	1.8	7.0
-0.75	4.93	-5.75	1.8	2.9	-4.00	3.24	-7.50	1.8	7.3
-1.00	4.66	-5.75	1.8	3.2	-4.25	3.47	-8.00	1.8	7.7
-1.25	5.14	-6.50	1.8	3.6	-4.50	3.21	-8.00	1.8	8.0
-1.50	4.88	-6.50	1.8	3.9	-4.75	2.95	-8.00	1.8	8.4
-1.75	4.62	-6.50	1.8	4.2	-5.00	2.68	-8.00	1.8	8.7
-2.00	4.35	-6.50	1.8	4.6	-5.25	2.42	-8.00	1.8	9.0
-2.25	4.59	-7.00	1.8	4.9	-5.50	2.15	-8.00	1.8	9.3
-2.50	4.32	-7.00	1.8	5.3	-5.75	1.89	-8.00	1.8	9.6
-2.75	4.06	-7.00	1.8	5.6	-6.00	1.62	-8.00	1.8	9.9
-3.00	3.80	-7.00	1.8	5.9					

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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 HMCX

1. Customer Product Codes

EDI Code:	CAT Code:	LGC:	LGC Description:	Notes:	FDA
7491	H70	T5881	SYNC FSV SPH 15 HMCX 65+ --F	Country of Origin required on Label	Yes
	H70	T5882	SYNC FSV SPH 15 HMCX 65X --F		
	n/a*	T5891	SYNC FSV SPH 15 HMCX 70+ --F		
	n/a*	T5892	SYNC FSV SPH 15 HMCX 70X --F		
	H72	T5893	SYNC FSV SPH 15 HMCX 70- --F		

* Not Available in North America

2. Material & Coating Specifications:

Type	1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 94 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	HMCX Multi Coated
Appearance	Green residual reflection colour

3. Design:

Power Range	Design	Diameter
+6.00 to +0.25	Spherical	65 & 70 mm
0.00 to -6.00	Spherical	75 mm

4. Product Markings: None

5. Product Range:

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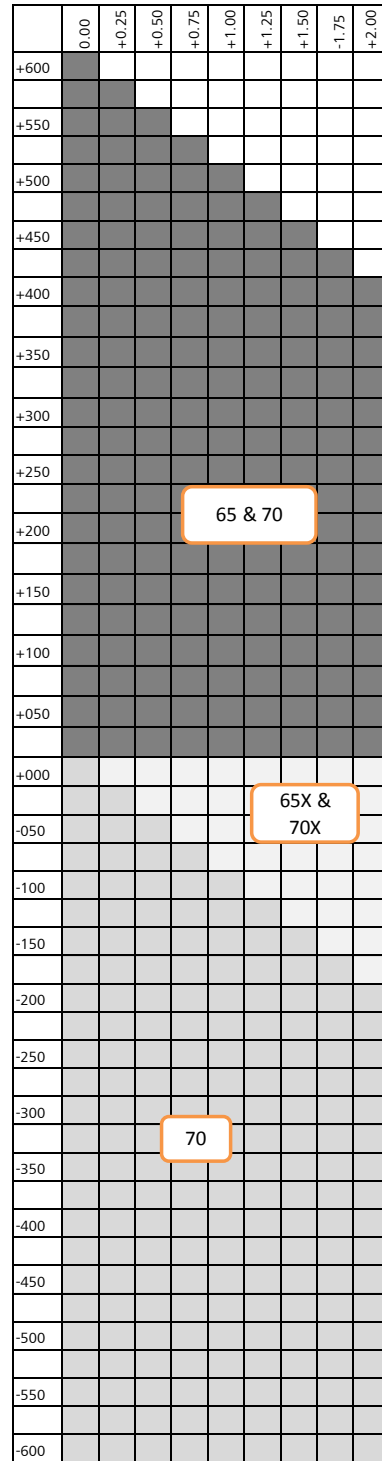
Product Name

synchrony Finished SV SPH 1.5 HMCX

Minus Cylinder



Plus Cylinder



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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 HMCX

6. Lens Geometry:

- Notes
- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
 - 2: All curves are in 1.530 Index and all dimensions are in millimetres
 - 3: No lens to be sold with a CT under 1.6mm

Lens Centre Thickness Tolerance

Lens Power Range (D)	Centre Thickness Tolerance
0.00 to +6.00	± 0.30 mm
-0.25 to -6.00	+0.30 / -0.20 mm

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal
+6.00	+8.78	-2.80	7.7	1.0	+3.00	+6.81	-3.75	4.3	1.0
+5.75	+8.55	-2.80	7.4	1.0	+2.75	+6.56	-3.75	4.0	1.0
+5.50	+8.32	-2.80	7.1	1.0	+2.50	+6.31	-3.75	3.8	1.0
+5.25	+8.09	-2.80	6.8	1.0	+2.25	+6.54	-4.25	3.5	1.0
+5.00	+7.85	-2.80	6.5	1.0	+2.00	+6.29	-4.25	3.2	1.0
+4.75	+7.61	-2.80	6.2	1.0	+1.75	+6.04	-4.25	3.0	1.0
+4.50	+7.37	-2.80	6.0	1.0	+1.50	+5.79	-4.25	2.7	1.0
+4.25	+7.55	-3.25	5.7	1.0	+1.25	+5.92	-4.65	2.4	1.0
+4.00	+7.31	-3.25	5.4	1.0	+1.00	+5.67	-4.65	2.1	1.0
+3.75	+7.07	-3.25	5.1	1.0	+0.75	+5.41	-4.65	2.0	1.2
+3.50	+6.82	-3.25	4.9	1.0	+0.50	+5.15	-4.65	2.0	1.5
+3.25	+7.05	-3.75	4.6	1.0	+0.25	+5.30	-5.07	2.0	1.7

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HMCX

(Nominal Values) 70 mm Plus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal
+6.00	+8.77	-2.85	8.8	1.0	+3.00	+6.79	-3.75	4.9	1.0
+5.75	+8.55	-2.85	8.5	1.0	+2.75	+6.55	-3.75	4.6	1.0
+5.50	+8.32	-2.85	8.2	1.0	+2.50	+6.30	-3.75	4.2	1.0
+5.25	+8.09	-2.85	7.8	1.0	+2.25	+6.48	-4.20	3.9	1.0
+5.00	+7.86	-2.85	7.5	1.0	+2.00	+6.24	-4.20	3.6	1.0
+4.75	+7.63	-2.85	7.1	1.0	+1.75	+5.98	-4.20	3.3	1.0
+4.50	+7.39	-2.85	6.8	1.0	+1.50	+5.73	-4.20	2.9	1.0
+4.25	+7.53	-3.25	6.5	1.0	+1.25	+5.92	-4.65	2.6	1.0
+4.00	+7.30	-3.25	6.2	1.0	+1.00	+5.67	-4.65	2.3	1.0
+3.75	+7.05	-3.25	5.8	1.0	+0.75	+5.41	-4.65	2.0	1.0
+3.50	+6.80	-3.25	5.5	1.0	+0.50	+5.15	-4.65	2.0	1.4
+3.25	+7.04	-3.75	5.2	1.0	+0.25	+5.30	-5.07	2.0	1.7

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal
0.00	5.71	-5.75	2.0	2.1	-3.25	4.03	-7.50	1.8	6.3
-0.25	5.45	-5.75	1.8	2.2	-3.50	3.77	-7.50	1.8	6.6
-0.50	5.19	-5.75	1.8	2.5	-3.75	3.50	-7.50	1.8	7.0
-0.75	4.93	-5.75	1.8	2.9	-4.00	3.24	-7.50	1.8	7.3
-1.00	4.66	-5.75	1.8	3.2	-4.25	3.47	-8.00	1.8	7.7
-1.25	5.14	-6.50	1.8	3.6	-4.50	3.21	-8.00	1.8	8.0
-1.50	4.88	-6.50	1.8	3.9	-4.75	2.95	-8.00	1.8	8.4
-1.75	4.62	-6.50	1.8	4.2	-5.00	2.68	-8.00	1.8	8.7
-2.00	4.35	-6.50	1.8	4.6	-5.25	2.42	-8.00	1.8	9.0
-2.25	4.59	-7.00	1.8	4.9	-5.50	2.15	-8.00	1.8	9.3
-2.50	4.32	-7.00	1.8	5.3	-5.75	1.89	-8.00	1.8	9.6
-2.75	4.06	-7.00	1.8	5.6	-6.00	1.62	-8.00	1.8	9.9
-3.00	3.80	-7.00	1.8	5.9					

Document Number: 00500.FS1

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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 HMC+ [USA]

1. Customer Product Codes

EDI	CAT Code	LGC	LGC Description	Notes	FDA
8531	H92	T6651	SYNC FSV 1.5 HMC+ 65+ --F	Country of Origin required on Label	Yes, FDA disclaimer required on Label
		T6652	SYNC FSV 1.5 HMC+ 65X --F		
	H93	T6663	SYNC FSV 1.5 HMC+ 70- --F		

2. Material & Coating Specifications:

Type	1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 94 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	HMC+ Multi Coated
Appearance	Green residual reflection colour

3. Design:

Power Range	Design	Diameter
+6.00 to +0.25	Spherical	65 mm
0.00 to -6.00	Spherical	70 mm

4. Product Markings: None

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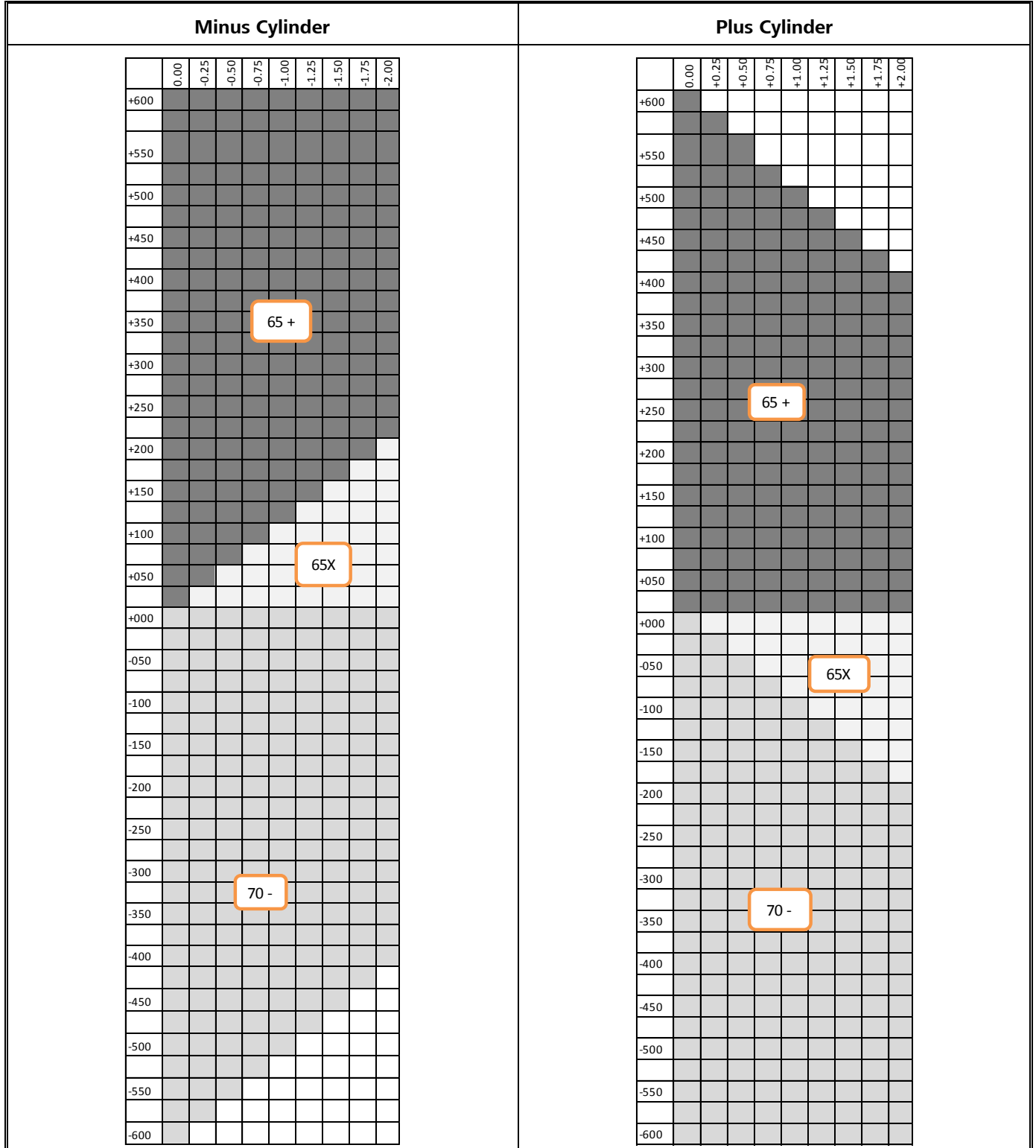
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HMC+ [USA]

5. Product Range:



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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 HMC+ [USA]

6. Lens Geometry:

- Notes
- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
 - 2: All curves are in 1.530 Index and all dimensions are in millimetres
 - 3: No lens to be sold with a CT under 1.6mm

Lens Centre Thickness Tolerance

Lens Power Range (D)	Centre Thickness Tolerance
0.00 to +6.00	± 0.30 mm
-0.25 to -6.00	+0.30 / -0.20 mm

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal
+6.00	+8.78	-2.80	7.7	1.0	+3.00	+6.81	-3.75	4.3	1.0
+5.75	+8.55	-2.80	7.4	1.0	+2.75	+6.56	-3.75	4.0	1.0
+5.50	+8.32	-2.80	7.1	1.0	+2.50	+6.31	-3.75	3.8	1.0
+5.25	+8.09	-2.80	6.8	1.0	+2.25	+6.54	-4.25	3.5	1.0
+5.00	+7.85	-2.80	6.5	1.0	+2.00	+6.29	-4.25	3.2	1.0
+4.75	+7.61	-2.80	6.2	1.0	+1.75	+6.04	-4.25	3.0	1.0
+4.50	+7.37	-2.80	6.0	1.0	+1.50	+5.79	-4.25	2.7	1.0
+4.25	+7.55	-3.25	5.7	1.0	+1.25	+5.92	-4.65	2.4	1.0
+4.00	+7.31	-3.25	5.4	1.0	+1.00	+5.67	-4.65	2.1	1.0
+3.75	+7.07	-3.25	5.1	1.0	+0.75	+5.41	-4.65	2.0	1.2
+3.50	+6.82	-3.25	4.9	1.0	+0.50	+5.15	-4.65	2.0	1.5
+3.25	+7.05	-3.75	4.6	1.0	+0.25	+5.30	-5.07	2.0	1.7

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HMC+ [USA]

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm) (±0.20)	Edge Thickness (mm) Nominal
0.00	5.71	-5.75	2.0	2.1	-3.25	4.03	-7.50	1.8	6.3
-0.25	5.45	-5.75	1.8	2.2	-3.50	3.77	-7.50	1.8	6.6
-0.50	5.19	-5.75	1.8	2.5	-3.75	3.50	-7.50	1.8	7.0
-0.75	4.93	-5.75	1.8	2.9	-4.00	3.24	-7.50	1.8	7.3
-1.00	4.66	-5.75	1.8	3.2	-4.25	3.47	-8.00	1.8	7.7
-1.25	5.14	-6.50	1.8	3.6	-4.50	3.21	-8.00	1.8	8.0
-1.50	4.88	-6.50	1.8	3.9	-4.75	2.95	-8.00	1.8	8.4
-1.75	4.62	-6.50	1.8	4.2	-5.00	2.68	-8.00	1.8	8.7
-2.00	4.35	-6.50	1.8	4.6	-5.25	2.42	-8.00	1.8	9.0
-2.25	4.59	-7.00	1.8	4.9	-5.50	2.15	-8.00	1.8	9.3
-2.50	4.32	-7.00	1.8	5.3	-5.75	1.89	-8.00	1.8	9.6
-2.75	4.06	-7.00	1.8	5.6	-6.00	1.62	-8.00	1.8	9.9
-3.00	3.80	-7.00	1.8	5.9					

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Product Fact Sheet

Substrate : **HARD RESIN**
Product Name : **TEFLON® F2 SPHERICAL SINGLE VISION**
(North American Version)
Product Type : **FINISHED LENSES**
Reference : 5113326.FS2
Date : 7 March 2011

Page : 1 of 3

Product Range:

65mm Range											70mm Range										
MINUS CYLINDER											MINUS CYLINDER										
S P H E R E S		0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00		0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00	
	+4.00																				
	+3.75																				
	+3.50																				
	+3.25																				
	+3.00																				
	+2.75																				
	+2.50																				
	+2.25																				
	+2.00																				
	+1.75																				
	+1.50																				
	+1.25																				
	+1.00																				
	+0.75																				
	+0.50																				
65mm Plus Range											70mm Plus Range										
S P H E R E S	+0.25																				
	PLANO																				
	-0.25																				
	-0.50																				
	-0.75																				
	-1.00																				
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	-5.25																				
	-5.50																				
	-5.75																				
	-6.00																				

Plus Range Cat Code: 919

Minus Range Cat Code: 920

Plus Range Cat Code: 919
Minus Range Cat Code: 920

For External Distribution

The 'eye' logo and SOLA are trademarks of Carl Zeiss Vision Inc.
CR-39 is a registered trademark of PPG Industries Inc.
Teflon is a registered Trademark of E.I du Pont de Nemours Inc.

Material & Coating Specifications:

Type	CR-39®
Refractive Index	$\eta_d = 1.499$ $\eta_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g.cm ⁻³
UV Protection (ISO)	UVA : 92 % : UVB : 100 %
Coating Types	Teflon® F2 Multicoat Coating
Reflected Colour	Arctic Blue

Lens Geometry:

Nominal Values: 65mm Plus Range (Sphere Geometry Only) in 1.530 Index					
Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)
+4.00	8.30	-4.30	5.6	1.1	19
+3.75	8.06	-4.30	5.3	1.1	18
+3.50	8.24	-4.75	5.1	1.1	18
+3.25	8.00	-4.75	4.8	1.1	17
+3.00	7.76	-4.75	4.5	1.1	17
+2.75	7.52	-4.75	4.2	1.1	16
+2.50	7.27	-4.75	3.9	1.1	16
+2.25	7.46	-5.20	3.7	1.1	15
+2.00	7.21	-5.20	3.4	1.1	14
+1.75	6.96	-5.20	3.1	1.1	14
+1.50	6.70	-5.20	2.8	1.1	13
+1.25	6.84	-5.60	3.1	1.7	15
+1.00	6.58	-5.60	2.8	1.7	14
+0.75	6.33	-5.60	2.5	1.7	14
+0.50	6.08	-5.60	2.2	1.7	13

Nominal Values: 70mm Plus Range (Sphere Geometry Only) in 1.530 Index					
Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)
+0.25	5.80	-5.60	2.4	2.2	12

Nominal Values: 70mm Minus Range (Sphere Geometry Only) in 1.530 Index					
Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)
0.00	5.71	-5.75	2.2	2.3	15
-0.25	5.44	-5.75	2.2	2.6	15
-0.50	5.18	-5.75	2.2	2.9	16
-0.75	4.92	-5.75	2.2	3.3	17
-1.00	4.66	-5.75	2.2	3.6	18
-1.25	5.14	-6.50	2.2	4.0	19
-1.50	4.87	-6.50	2.2	4.3	19
-1.75	4.61	-6.50	2.2	4.6	20
-2.00	4.35	-6.50	2.2	5.0	21
-2.25	4.58	-7.00	2.2	5.4	22
-2.50	4.32	-7.00	2.2	5.7	23
-2.75	4.06	-7.00	2.2	6.0	23
-3.00	3.79	-7.00	2.2	6.3	24
-3.25	4.03	-7.50	2.2	6.7	25
-3.50	3.76	-7.50	2.2	7.1	26
-3.75	3.50	-7.50	2.2	7.4	27
-4.00	3.24	-7.50	2.2	7.7	28
-4.25	3.47	-8.00	2.2	8.2	29
-4.50	3.21	-8.00	2.2	8.5	30
-4.75	2.95	-8.00	2.2	8.9	31
-5.00	2.68	-8.00	2.2	9.1	31
-5.25	2.42	-8.00	2.2	9.4	32
-5.50	2.15	-8.00	2.2	9.7	33
-5.75	1.89	-8.00	2.2	10.0	33
-6.00	1.62	-8.00	2.2	10.3	34

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV Sph 1.5 PhotoFusion DuraVision Platinum

1. Customer Product Codes

EDI	Name	Range	LGC	CAT
11015	ZEISS Finished SV Sph 1.5 Photofusion Grey DuraVision Platinum	65	T6421	H90
			T6422	
		70	T6433	H91

2. Product Features:

Material	1.50 Polymer Clear
Refractive Index	$n_d = 1.499$ (Helium 'd' line 587.56nm) $n_e = 1.500$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA: 91 %, UVB: 100 %
Coating	DuraVision Platinum Blue rest reflex Premium scratch resistance Anti-static, Dirt and dust repellent Easy cleaning function, Water and oil repellent

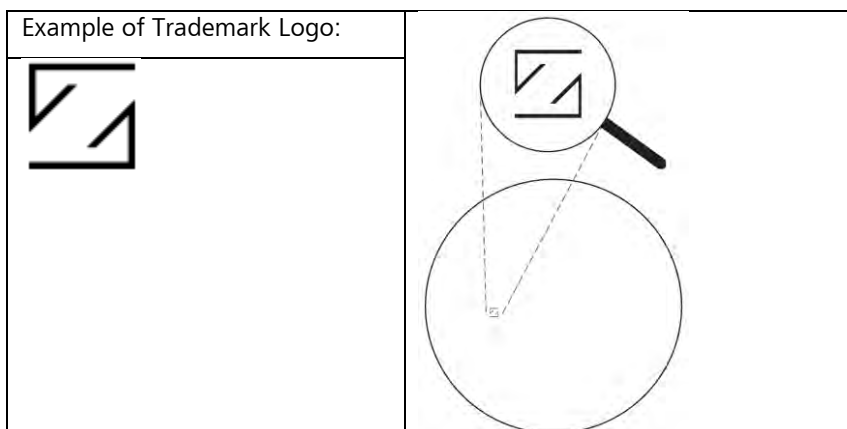
3. Design:

Power Range	Design	Diameter
+4.00 to +0.25	Spherical	65 mm
0.00 to -6.00	Spherical	70 mm

4. Product Markings:

ZEISS LOGO – LASER ENGRAVED

The engraving is located on the Concave surface (back) of the lens, measuring 2.0 x 2.0 mm.



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV Sph 1.5 PhotoFusion DuraVision Platinum

5. Product Range (Minus Cylinder):

	0.00	-0.25	-0.50	-0.75	-1.00	-1.25	-1.50	-1.75	-2.00
+400									
+350									
+300									
+250	65								
+200									
+150									
+100									
+050									
+000									
-050									
-100									
-150									
-200									
-250									
-300	70								
-350									
-400									
-450									
-500									
-550									
-600									

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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV Sph 1.5 PhotoFusion DuraVision Platinum

6. Lens Geometry:

65 mm Plus Range (Sphere Geometry) in 1.530 Index					
Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Nominal Packaged Weight (g)
+4.00	7.02	-3.00	5.3	1.0	17
+3.75	6.78	-3.00	5.1	1.0	17
+3.50	6.53	-3.00	4.8	1.0	16
+3.25	6.77	-3.50	4.5	1.0	15
+3.00	6.53	-3.50	4.3	1.0	15
+2.75	6.28	-3.50	4.0	1.0	14
+2.50	6.03	-3.50	3.7	1.0	13
+2.25	6.27	-4.00	3.6	1.0	13
+2.00	6.02	-4.00	3.2	1.0	12
+1.75	5.77	-4.00	2.9	1.0	12
+1.50	5.52	-4.00	2.7	1.0	11
+1.25	5.76	-4.50	2.4	1.0	10
+1.00	5.51	-4.50	2.1	1.0	10
+0.75	5.25	-4.50	2.0	1.2	10
+0.50	4.99	-4.50	2.0	1.5	10
+0.25	5.23	-5.00	2.0	1.8	11

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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV Sph 1.5 PhotoFusion DuraVision Platinum

6. Lens Geometry (continued):

70 mm Minus Range (Sphere Geometry) in 1.530 Index Minimum CT 1.5mm					
Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Nominal Packaged Weight (g)
0.00	5.71	-5.75	2.0	2.1	13
-0.25	5.45	-5.75	1.8	2.2	13
-0.50	5.20	-5.75	1.8	2.5	14
-0.75	4.94	-5.75	1.8	2.8	15
-1.00	4.68	-5.75	1.8	3.2	16
-1.25	5.16	-6.50	1.8	3.6	16
-1.50	4.90	-6.50	1.8	3.9	17
-1.75	4.64	-6.50	1.8	4.2	18
-2.00	4.38	-6.50	1.8	4.5	19
-2.25	4.62	-7.00	1.5	4.6	18
-2.50	4.36	-7.00	1.5	4.9	19
-2.75	4.10	-7.00	1.5	5.3	20
-3.00	3.84	-7.00	1.5	5.6	21
-3.25	4.08	-7.50	1.5	6.0	21
-3.50	3.82	-7.50	1.5	6.3	22
-3.75	3.56	-7.50	1.5	6.6	23
-4.00	3.30	-7.50	1.5	6.9	24
-4.25	3.54	-8.00	1.5	7.4	25
-4.50	3.28	-8.00	1.5	7.7	26
-4.75	3.02	-8.00	1.5	8.0	26
-5.00	2.76	-8.00	1.5	8.3	27
-5.25	2.49	-8.00	1.5	8.6	28
-5.50	2.23	-8.00	1.5	8.9	29
-5.75	1.97	-8.00	1.5	9.2	29
-6.00	1.71	-8.00	1.5	9.5	30

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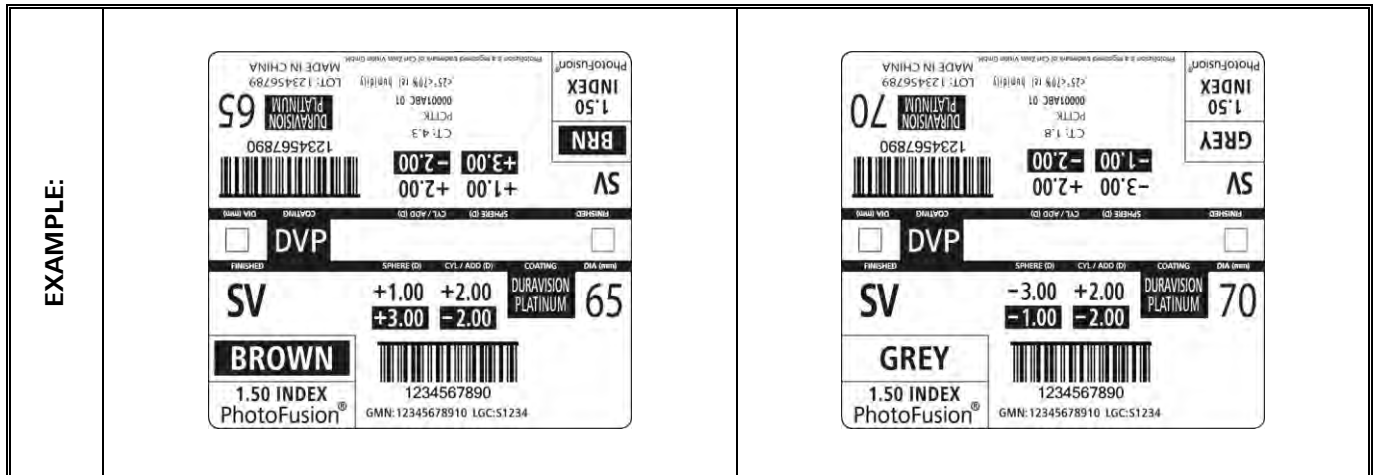
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Product Name

ZEISS Finished SV Sph 1.5 PhotoFusion DuraVision Platinum

7. Label:



8. Envelope:

ZEISS SL Universal Substrate CE & USFDA Marked

Dimensions: 85W x 93H x 19G + 50F (Width, Height, Gusset, Flap – all dimensions in mm)



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PRODUCT FACT SHEET

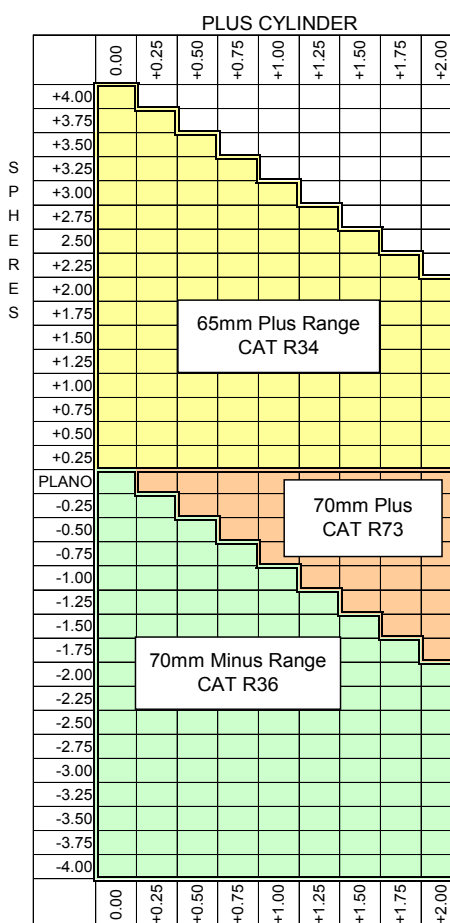
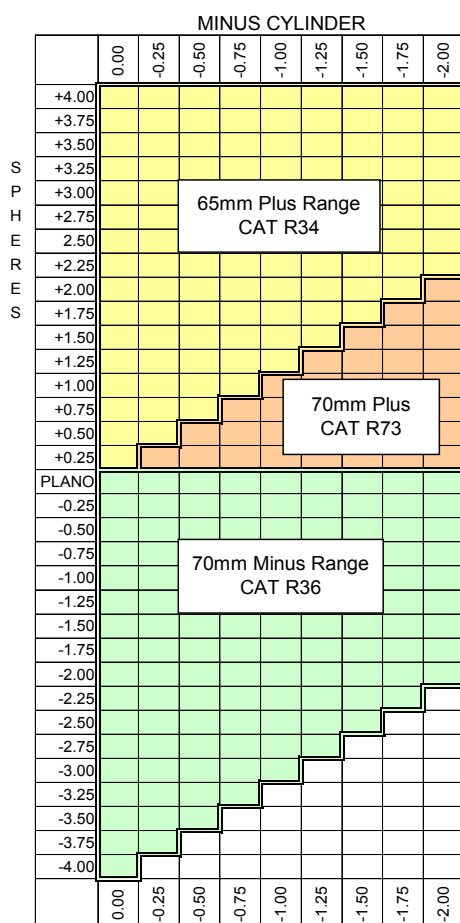


CARL ZEISS VISION

Substrate : **1.5 PhotoFusion®**
 Product Name : **SOLA TEFLON® F2**
 Product Type : **Finished Single Vision**
 Reference : 00320.FS1
 Date : 30 May 2012

Page : 1 of 2

Product Range: Grey only



Material Properties:

Type	1.5
Refractive Index	$n_d = 1.497$ (Helium 'd' line 587.56nm) $n_e = 1.499$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 61, v_e = 57$
Density	1.27 g.cm^{-3}
UV Protection (ISO)	Coated , Activated : 2.0mm Centre Thickness : UVA : 100% UVB : 100%
Coating Type	Hard and AR multicoat

For External Distribution

Lens Geometry: (Sphere powers only)

- Notes: 1. These are theoretical values and should only be taken as indicative.
 2. All curves are in 1.530 Index and all dimensions are in millimetres.

Sphere Power	Diameter mm	Radius mm	Front Curve (n=1.530)	Centre Thickness mm	Nominal Edge Thickness mm	Nominal Packaged Weight (g)
+4.00	65	71.31	7.43	5.5	1.0	18
+3.75	65	74.37	7.13	5.2	1.0	17
+3.50	65	77.35	6.85	4.9	1.0	16
+3.25	65	74.37	7.13	4.7	1.0	16
+3.00	65	77.35	6.85	4.4	1.0	15
+2.75	65	80.32	6.60	4.1	1.0	15
+2.50	65	83.39	6.36	3.8	1.0	14
+2.25	65	80.32	6.60	3.6	1.0	13
+2.00	65	83.39	6.36	3.4	1.0	13
+1.75	65	87.3	6.07	3.0	1.0	12
+1.50	65	91.44	5.80	2.8	1.0	12
+1.25	65	87.3	6.07	2.5	1.0	11
+1.00	65	91.44	5.80	2.5	1.0	12
+0.75	65	95.44	5.55	2.3	1.1	11
+0.50	65	101.41	5.23	2.3	1.4	12
+0.25	65	95.44	5.55	2.3	1.7	13
0.00	70	101.41	5.23	2.3	2.0	15
-0.25	70	106.58	4.97	2.3	2.2	16
-0.50	70	112.56	4.71	2.3	2.3	16
-0.75	70	106.58	4.97	2.3	2.5	17
-1.00	70	112.56	4.71	2.3	2.6	18
-1.25	70	117.02	4.53	2.3	3.7	19
-1.50	70	123.65	4.29	2.3	4.0	20
-1.75	70	117.02	4.53	2.3	4.3	21
-2.00	70	123.65	4.29	2.3	4.5	21
-2.25	70	130.73	4.05	2.3	4.8	22
-2.50	70	138.67	3.82	2.3	5.1	23
-2.75	70	130.73	4.05	2.3	5.4	24
-3.00	70	138.67	3.82	2.3	5.7	25
-3.25	70	147.21	3.60	2.3	6.1	26
-3.50	70	157.37	3.37	2.3	6.6	27
-3.75	70	147.21	3.60	2.3	7.0	27
-4.00	70	157.37	3.37	2.3	7.5	28

PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 Photochromic HMCX [USA]

1. Customer Product Codes

EDI:	CAT Code:	LGC:	LGC Description:	Notes	FDA
7496	Y41	T8061	SYNC FSV SPH 1.5 PH GRY HMCX 65+ B-F	Country of origin on Label	Yes
		T8062	SYNC FSV SPH 1.5 PH GRY HMCX 65X B-F		
	Y42	T8073	SYNC FSV SPH 1.5 PH GRY HMCX 70- B-F		

2. Material & Coating Specifications:

Type	1.5 Polymer
Refractive Index	$n_d = 1.502$ $n_e = 1.504$
Abbe Number	$v_d = 54$ $v_e = 52$
Density	1.18 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	HMCX Multi Coated
Appearance	Green residual reflection colour

3. Design:

Power Range	Design	Diameter
+4.00 to +0.25	Spherical	65 mm
0.00 to -6.00	Spherical	70 mm

4. Product Markings: None

Document Number: 00526USA.FS1

For External Distribution

Reviewed by: Geoff Riley, 29 Apr 2016

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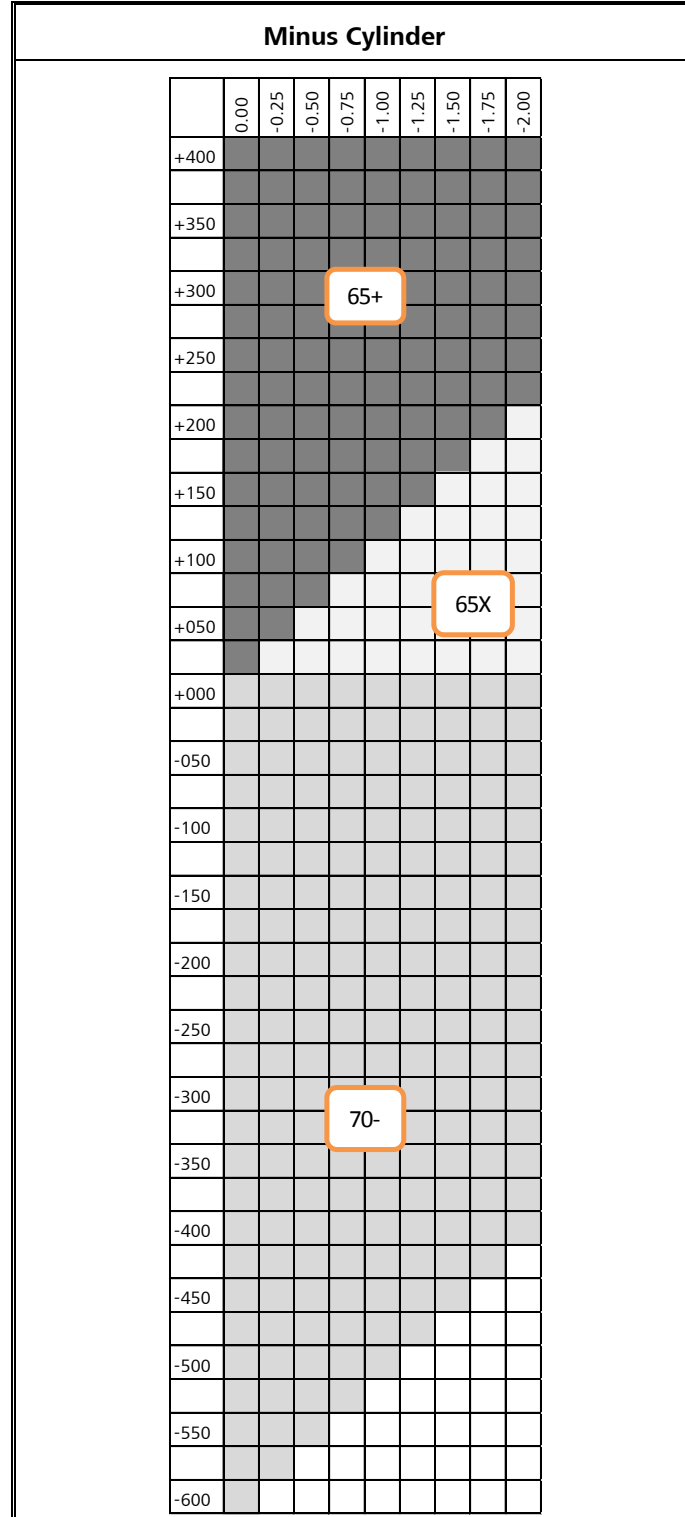
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 Photochromic HMCX [USA]

5. Product Range:



Document Number: 00526USA.FS1

For External Distribution

Reviewed by: Geoff Riley, 29 Apr 2016

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 Photochromic HMCX [USA]

6. Lens Geometry:

Notes

- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
- 2: All curves are in 1.530 Index and all dimensions are in millimetres
- 3: No lens to be sold with a CT under 1.5mm

65 mm Plus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Nominal Packaged Weight (g)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Nominal Packaged Weight (g)
+4.00	7.02	-3.00	5.3	1.0	17	+2.00	6.02	-4.00	3.2	1.0	12
+3.75	6.78	-3.00	5.1	1.0	17	+1.75	5.77	-4.00	2.9	1.0	12
+3.50	6.53	-3.00	4.8	1.0	16	+1.50	5.52	-4.00	2.7	1.0	11
+3.25	6.77	-3.50	4.5	1.0	15	+1.25	5.76	-4.50	2.4	1.0	10
+3.00	6.53	-3.50	4.3	1.0	15	+1.00	5.51	-4.50	2.1	1.0	10
+2.75	6.28	-3.50	4.0	1.0	14	+0.75	5.25	-4.50	2.0	1.2	10
+2.50	6.03	-3.50	3.7	1.0	13	+0.50	4.99	-4.50	2.0	1.5	10
+2.25	6.27	-4.00	3.6	1.0	13	+0.25	5.23	-5.00	2.0	1.8	11

70 mm Minus Range (Sphere Geometry) in 1.530 Index Minimum CT 1.5mm

Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Nominal Packaged Weight (g)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Nominal Packaged Weight (g)
0.00	5.71	-5.75	2.0	2.1	13	-3.25	4.08	-7.50	1.5	6.0	21
-0.25	5.45	-5.75	1.8	2.2	13	-3.50	3.82	-7.50	1.5	6.3	22
-0.50	5.20	-5.75	1.8	2.5	14	-3.75	3.56	-7.50	1.5	6.6	23
-0.75	4.94	-5.75	1.8	2.8	15	-4.00	3.30	-7.50	1.5	6.9	24
-1.00	4.68	-5.75	1.8	3.2	16	-4.25	3.54	-8.00	1.5	7.4	25
-1.25	5.16	-6.50	1.8	3.6	16	-4.50	3.28	-8.00	1.5	7.7	26
-1.50	4.90	-6.50	1.8	3.9	17	-4.75	3.02	-8.00	1.5	8.0	26
-1.75	4.64	-6.50	1.8	4.2	18	-5.00	2.76	-8.00	1.5	8.3	27
-2.00	4.38	-6.50	1.8	4.5	19	-5.25	2.49	-8.00	1.5	8.6	28
-2.25	4.62	-7.00	1.5	4.6	18	-5.50	2.23	-8.00	1.5	8.9	29
-2.50	4.36	-7.00	1.5	4.9	19	-5.75	1.97	-8.00	1.5	9.2	29
-2.75	4.10	-7.00	1.5	5.3	20	-6.00	1.71	-8.00	1.5	9.5	30
-3.00	3.84	-7.00	1.5	5.6	21						

Document Number: 00526USA.FS1

For External Distribution

Reviewed by: Geoff Riley, 29 Apr 2016

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PRODUCT FACT SHEET



CARL ZEISS VISION

Substrate : **1.5 PhotoFusion®**

Product Name : **HMC+**

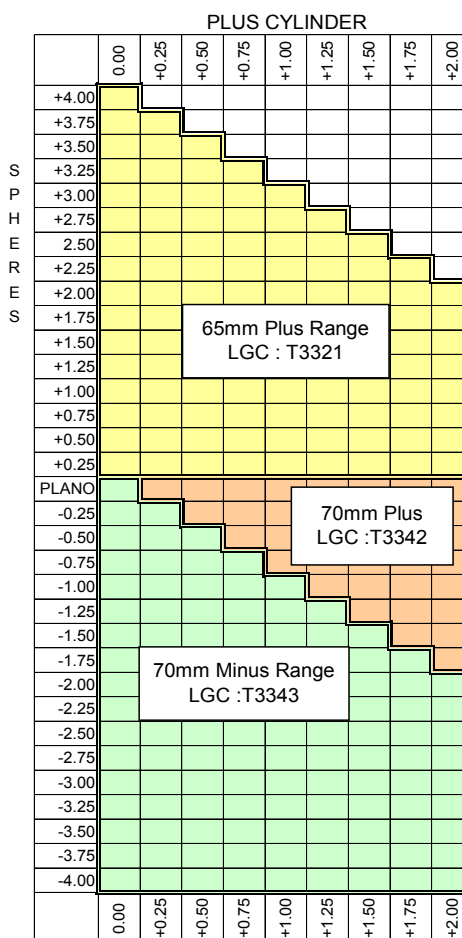
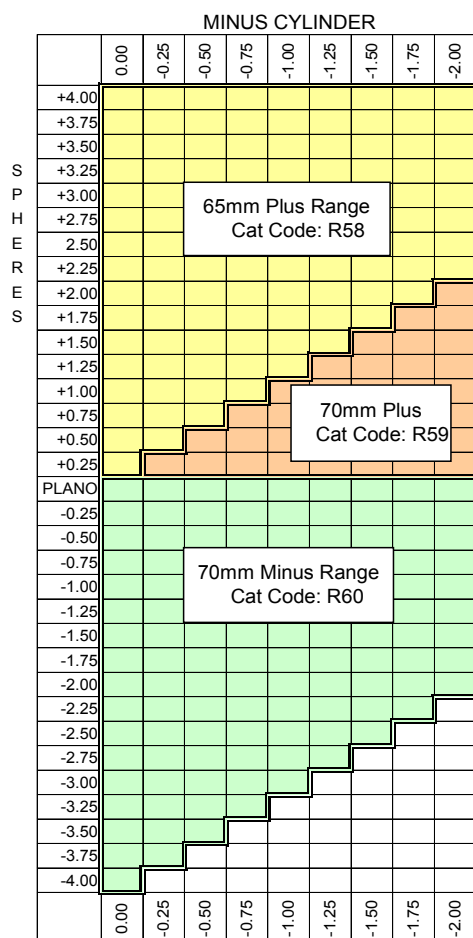
Product Type : **Finished Single Vision**

Reference : **00321.FS1**

Date : **15 Mar 2012**

Page : 1 of 1

Product Range: Grey only



Material Properties:

Type	1.5 OEMT PhotoFusion
Refractive Index	$n_d = 1.497$ (Helium 'd' line 587.56nm) $n_e = 1.499$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 61, v_e = 57$
Density	1.27 g.cm^{-3}
UV Protection (ISO)	Coated , Activated : 2.0mm Centre Thickness : UVA : 100% UVB : 100%
Coating Type	Hard and AR multicoat

For External Distribution

PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 Photochromic HC [USA]

1. Customer Product Codes

EDI:	CAT Code:	LGC:	LGC Description:	Notes	FDA
7492	Y43	T3521	SYNC FSV SPH 15 PH GRY HC 65+ B--	Country of origin on Label	FDA2 Envelope Required
		T3522	SYNC FSV SPH 15 PH GRY HC 65X B--		
	Y44	S3543	SYNC FSV SPH 15 PH GRY HC 70- B--		

2. Material & Coating Specifications:

Type	1.5 Polymer
Refractive Index	$n_d = 1.502$ $n_e = 1.504$
Abbe Number	$v_d = 54$ $v_e = 52$
Density	1.18 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	Hard Coated

3. Design:

Power Range	Design	Diameter
+4.00 to +0.25	Spherical	65 mm
0.00 to -6.00	Spherical	70 mm

4. Product Markings: None

Document Number: 00529USA.FS1

For External Distribution

Reviewed by: Geoff Riley, 29 Apr 2016

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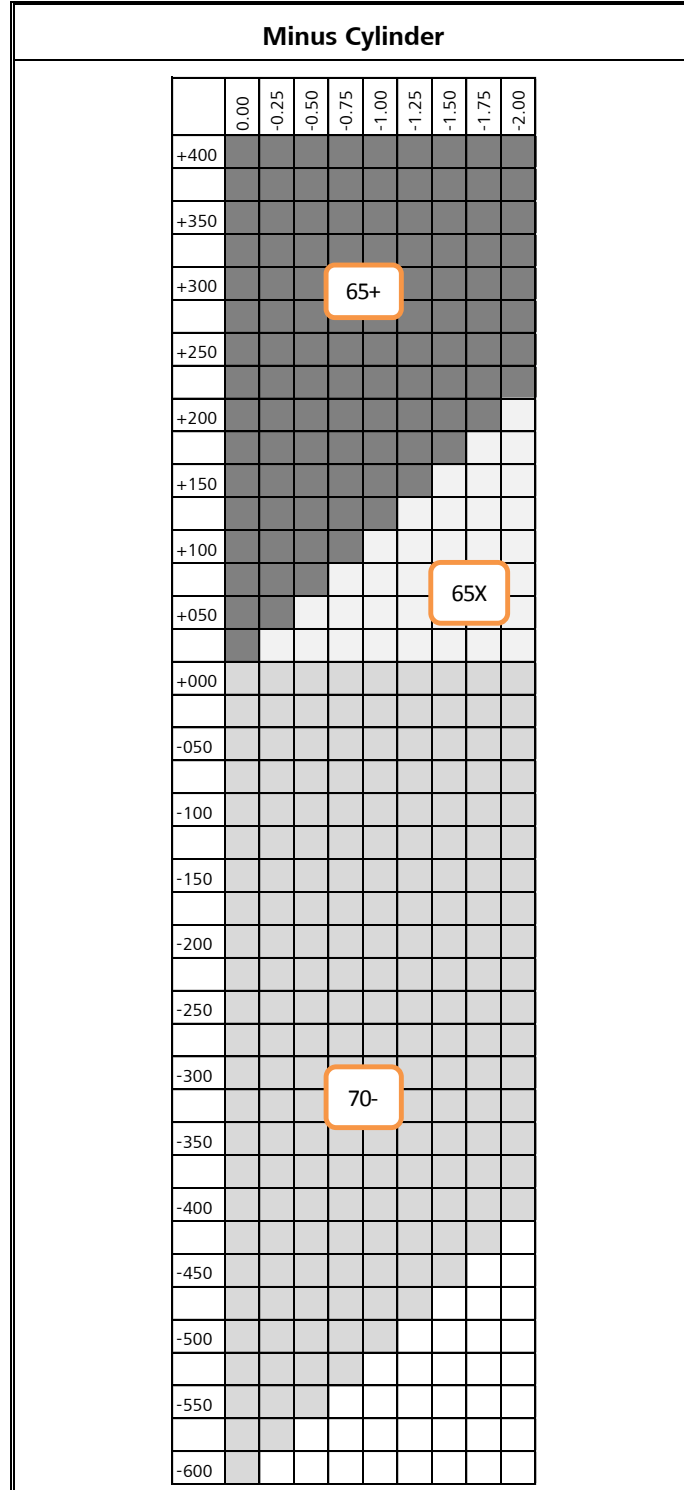
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 Photochromic HC [USA]

5. Product Range:



Document Number: 00529USA.FS1

For External Distribution

Reviewed by: Geoff Riley, 29 Apr 2016

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 Photochromic HC [USA]

6. Lens Geometry:

Notes

- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
- 2: All curves are in 1.530 Index and all dimensions are in millimetres
- 3: No lens to be sold with a CT under 1.5mm

65 mm Plus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Nominal Packaged Weight (g)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Nominal Packaged Weight (g)
+4.00	7.02	-3.00	5.3	1.0	17	+2.00	6.02	-4.00	3.2	1.0	12
+3.75	6.78	-3.00	5.1	1.0	17	+1.75	5.77	-4.00	2.9	1.0	12
+3.50	6.53	-3.00	4.8	1.0	16	+1.50	5.52	-4.00	2.7	1.0	11
+3.25	6.77	-3.50	4.5	1.0	15	+1.25	5.76	-4.50	2.4	1.0	10
+3.00	6.53	-3.50	4.3	1.0	15	+1.00	5.51	-4.50	2.1	1.0	10
+2.75	6.28	-3.50	4.0	1.0	14	+0.75	5.25	-4.50	2.0	1.2	10
+2.50	6.03	-3.50	3.7	1.0	13	+0.50	4.99	-4.50	2.0	1.5	10
+2.25	6.27	-4.00	3.6	1.0	13	+0.25	5.23	-5.00	2.0	1.8	11

70 mm Minus Range (Sphere Geometry) in 1.530 Index Minimum CT 1.5mm

Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Nominal Packaged Weight (g)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Nominal Packaged Weight (g)
0.00	5.71	-5.75	2.0	2.1	13	-3.25	4.08	-7.50	1.5	6.0	21
-0.25	5.45	-5.75	1.8	2.2	13	-3.50	3.82	-7.50	1.5	6.3	22
-0.50	5.20	-5.75	1.8	2.5	14	-3.75	3.56	-7.50	1.5	6.6	23
-0.75	4.94	-5.75	1.8	2.8	15	-4.00	3.30	-7.50	1.5	6.9	24
-1.00	4.68	-5.75	1.8	3.2	16	-4.25	3.54	-8.00	1.5	7.4	25
-1.25	5.16	-6.50	1.8	3.6	16	-4.50	3.28	-8.00	1.5	7.7	26
-1.50	4.90	-6.50	1.8	3.9	17	-4.75	3.02	-8.00	1.5	8.0	26
-1.75	4.64	-6.50	1.8	4.2	18	-5.00	2.76	-8.00	1.5	8.3	27
-2.00	4.38	-6.50	1.8	4.5	19	-5.25	2.49	-8.00	1.5	8.6	28
-2.25	4.62	-7.00	1.5	4.6	18	-5.50	2.23	-8.00	1.5	8.9	29
-2.50	4.36	-7.00	1.5	4.9	19	-5.75	1.97	-8.00	1.5	9.2	29
-2.75	4.10	-7.00	1.5	5.3	20	-6.00	1.71	-8.00	1.5	9.5	30
-3.00	3.84	-7.00	1.5	5.6	21						

Document Number: 00529USA.FS1

For External Distribution

Reviewed by: Geoff Riley, 29 Apr 2016

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PRODUCT FACT SHEET



CARL ZEISS VISION

Substrate : **1.5 PhotoFusion®**

Product Name : **FSV HC**

Product Type : **Finished Single Vision**

Reference : **00322.FS1**

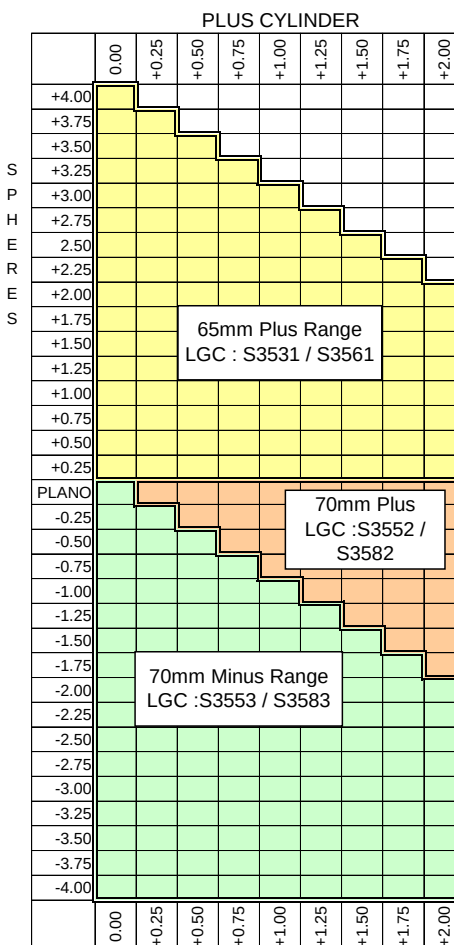
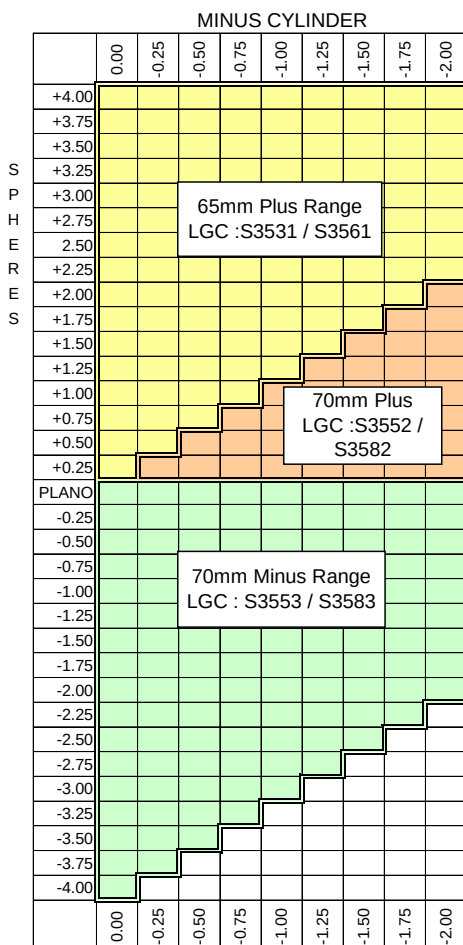
Date : **15 Mar 2012**

Page : 1 of 1

Product Range: Grey and Brown available

Gray Cat Codes:
65mm Plus - R40
70mm Plus - R42
Cat Code:
Minus - R72

Brown Cat Codes:
65mm Plus - R43
70mm Plus - R45
Cat Code:
Minus - R75



Material Properties:

Type	1.5 OEMT PhotoFusion
Refractive Index	$n_d = 1.497$ (Helium 'd' line 587.56nm) $n_e = 1.499$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 61, v_e = 57$
Density	1.27 g.cm^{-3}
UV Protection (ISO)	Coated , Activated : 2.0mm Centre Thickness : UVA : 100% UVB : 100%
Coating Type	Hard and AR multicoat



PRODUCT FACT SHEET

Substrate	:	1.5 HARD RESIN HC TRANSITIONS® SIGNATURE VII		
Product Name	:	SPHERICAL SINGLE VISION		
Product type	:	FINISHED STOCK LENS		
Reference	:	00341.FS2		
Date	:	27 November 2013	Page	: 1 of 3

Product Codes:

Cat Code	USA LGC	Europe LGC	Description:
		T3931	GEN FIN SV HR15 T7 BRN UNC 65+
		T3991	GEN FIN SV HR15 T7 BRN HC 65+
		T3942	GEN FIN SV HR15 T7 BRN UNC 70X
		T4002	GEN FIN SV HR15 T7 BRN HC 70X
		T3943	GEN FIN SV HR15 T7 BRN UNC 70-
		T4003	GEN FIN SV HR15 T7 BRN HC 70-
		T3951	GEN FIN SV HR15 T7 GRY UNC 65+
V96	T4511	T3971	GEN FIN SV HR15 T7 GRY HC 65+
		T3962	GEN FIN SV HR15 T7 GRY UNC 70X
V97	T4522	T3982	GEN FIN SV HR15 T7 GRY HC 70X
		T3963	GEN FIN SV HR15 T7 GRY UNC 70-
V98	T4523	T3983	GEN FIN SV HR15 T7 GRY HC 70-

Material & Coating Specifications:

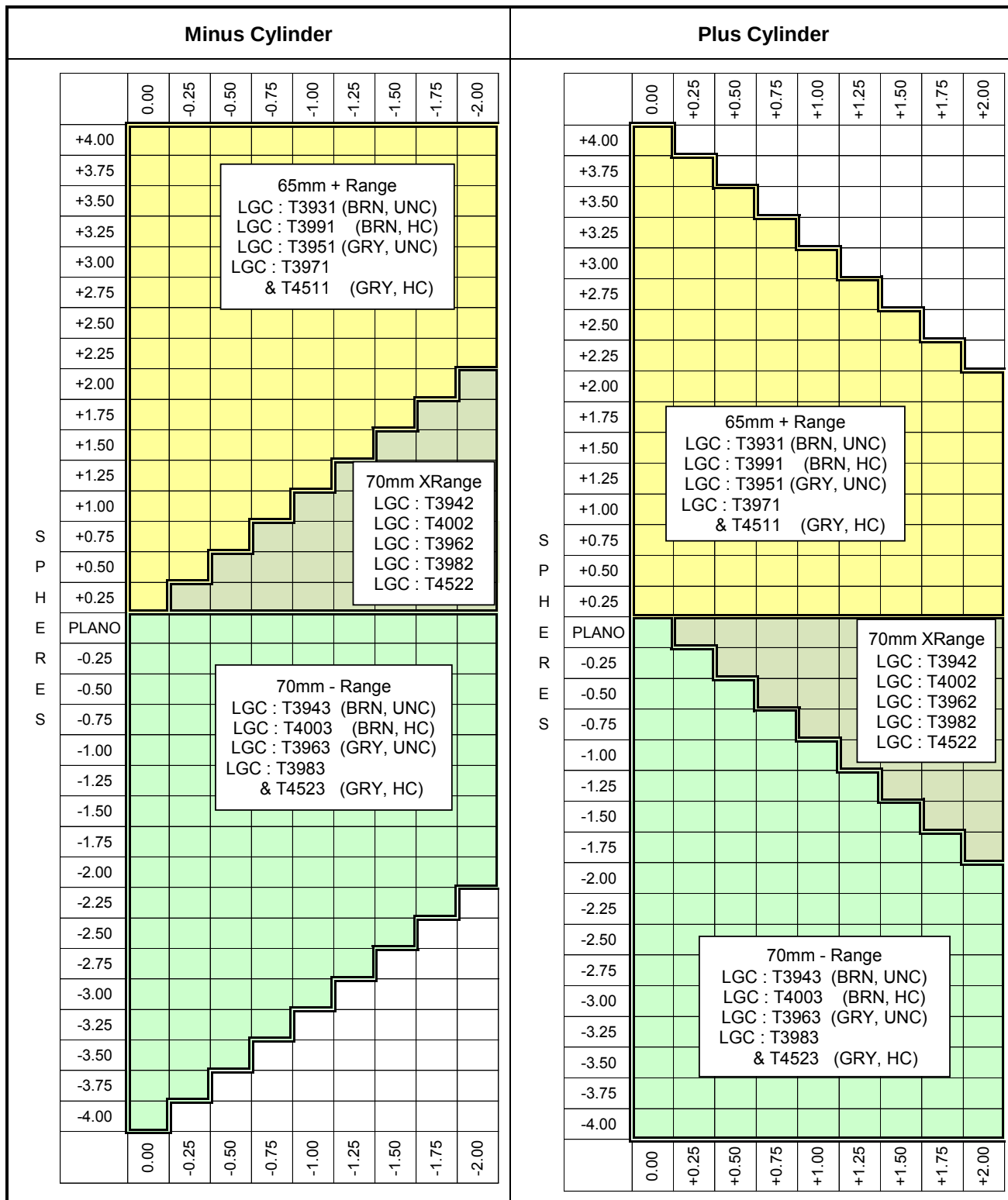
Type	CR-39®
Refractive Index	$n_d = 1.500$ $n_e = 1.502$
Abbe Number	$v_d = 59$ $v_e = 58$
Density	1.31 g.cm ⁻³
UV Protection (ISO)	Activated: 2.0mm Centre Thickness. UVA: 100 %, UVB: 100 %
Coating Type	Hard Coated

For External Distribution

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CR-39 is a registered trademark of PPG Industries Inc.
Transitions is a registered trademark of Transitions Optical Inc.

Reference	:	00341.FS2		
Date	:	27 November 2013	Page	: 2 of 3

Product Range:



Reference	:	00341.FS2										
Date	:	27 November 2013								Page	:	3 of 3

Lens Geometry:

65mm Diameter

Sphere Power (D)	Front Curve (n=1.530)	Radius CX mm	Edge Thickness mm	Centre Thickness ($\pm 0.3\text{mm}$)								
				Minus Cylinder								
				0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
+4.00	7.43	71.31	1.0	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
+3.75	7.13	74.37	1.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
+3.50	6.85	77.35	1.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
+3.25	7.13	74.37	1.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
+3.00	6.85	77.35	1.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
+2.75	6.60	80.32	1.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
+2.50	6.36	83.39	1.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
+2.25	6.60	80.32	1.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
+2.00	6.36	83.39	1.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	
+1.75	6.07	87.30	1.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9		
+1.50	5.80	91.44	1.0	2.6	2.6	2.6	2.6	2.6	2.6			
+1.25	6.07	87.30	1.0	2.4	2.4	2.4	2.4	2.4				
+1.00	5.80	91.44	1.0	2.1	2.1	2.1	2.1					
+0.75	5.55	95.44	1.2	2.0	2.0	2.0						
+0.50	5.23	101.41	1.5	2.0	2.0							
+0.25	5.55	95.44	1.8	2.0								

70mm Diameter

Sphere Power (D)	Front Curve (n=1.530)	Radius CX mm	Edge Thickness mm	Centre Thickness ($\pm 0.3\text{mm}$)								
				Minus Cylinder								
				0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
+2.00	6.36	83.39	1.0									3.6
+1.75	6.07	87.30	1.0								3.2	3.2
+1.50	5.80	91.44	1.0							2.9	2.9	2.9
+1.25	6.07	87.30	1.0						2.6	2.6	2.6	2.6
+1.00	5.80	91.44	1.0					2.3	2.3	2.3	2.3	2.3
+0.75	5.55	95.44	1.3				2.2	2.2	2.2	2.2	2.2	2.2
+0.50	5.23	101.41	1.4			2.0	2.0	2.0	2.0	2.0	2.0	2.0
+0.25	5.55	95.44	1.7		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
0.00	5.23	101.41	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-0.25	4.97	106.58	2.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-0.50	4.71	112.56	2.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-0.75	4.97	106.58	3.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-1.00	4.71	112.56	3.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-1.25	4.49	118.11	3.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-1.50	4.22	125.50	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-1.75	4.49	118.11	4.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-2.00	4.22	125.50	4.7	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-2.25	3.96	133.86	5.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
-2.50	3.70	143.43	5.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0		
-2.75	3.96	133.86	5.8	2.0	2.0	2.0	2.0	2.0	2.0			
-3.00	3.70	143.43	6.1	2.0	2.0	2.0	2.0	2.0				
-3.25	3.43	154.47	6.4	2.0	2.0	2.0	2.0					
-3.50	3.17	167.33	6.7	2.0	2.0	2.0						
-3.75	3.43	154.47	7.1	2.0	2.0							
-4.00	3.17	167.33	7.4	2.0								

PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 HC [USA] 75mm

1. Customer Product Codes

EDI	CAT Code	LGC	LGC Description	Notes	FDA
8530	N77	T6691	SYNC FSV SPH 15 HC 75+ --F	Country of Origin required on Label	Yes, FDA2 envelope required
		T6692	SYNC FSV SPH 15 HC 75X --F		
	N78	T6693	SYNC FSV SPH 15 HC 75- --F		

2. Material & Coating Specifications:

Type	1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 94 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	Hard Coated

3. Design:

Power Range	Design	Diameter
+4.00 to -6.00	Spherical	75 mm

4. Product Markings: None

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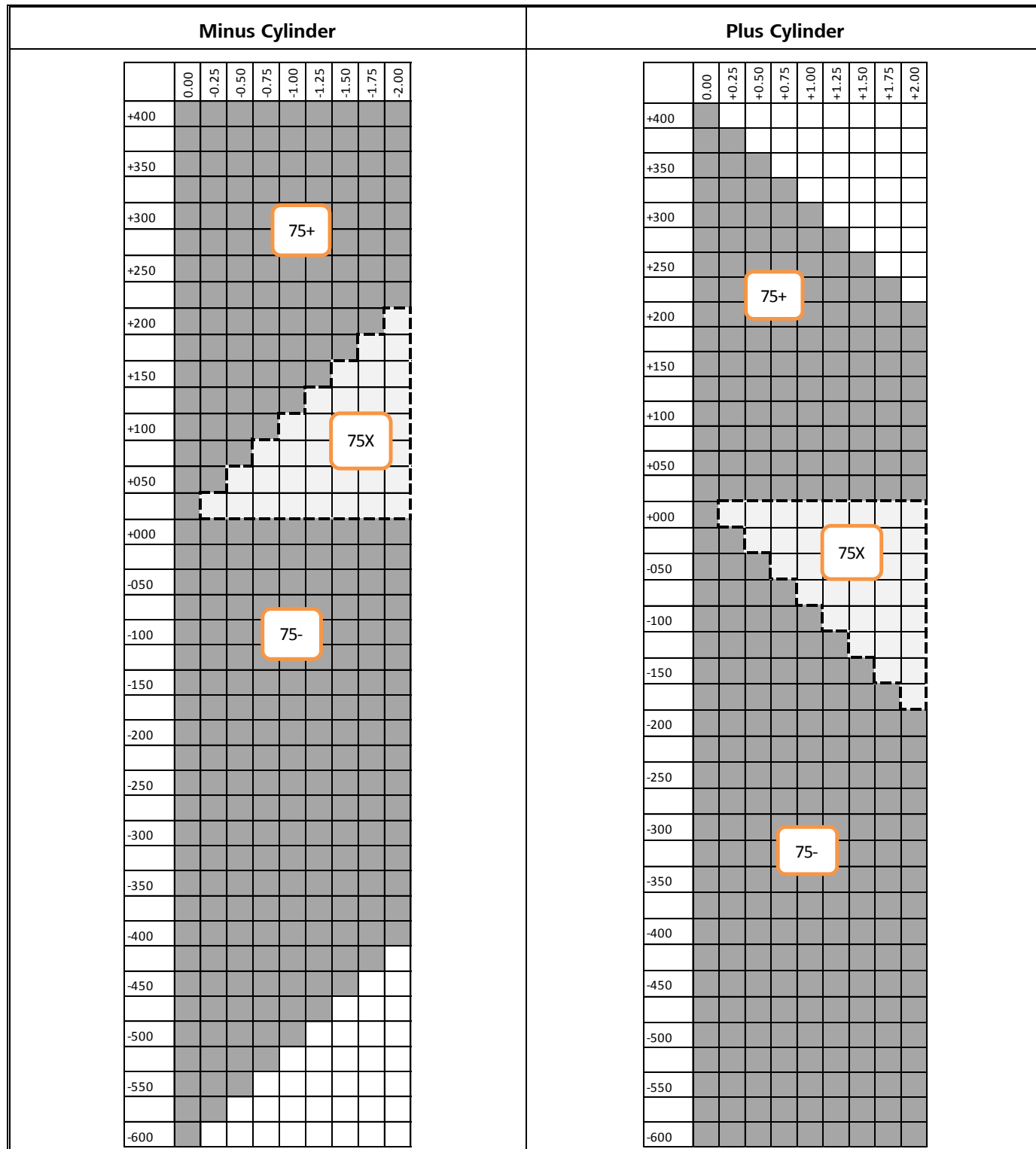
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 75mm

5. Product Range:



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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 HC [USA] 75mm

6. Lens Geometry:

- Notes
- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
 - 2: All curves are in 1.530 Index and all dimensions are in millimetres
 - 3: No lens to be sold with a CT under 1.6mm

Lens Centre Thickness Tolerance

Lens Power Range (D)	Centre Thickness Tolerance
0.00 to +4.00	± 0.30 mm
-0.25 to -6.00	+0.30 / -0.20 mm

Nominal Values: 75 mm Plus Range (Sphere Geometry Only) in 1.530 Index

Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)	Front Mould Curve (D)	Back Mould Curve (D)
+4.00	7.77	-3.80	7.2	1.1	29	-7.66	3.50
+3.75	7.53	-3.80	6.8	1.1	28	-7.41	3.50
+3.50	7.30	-3.80	6.4	1.1	26	-7.17	3.50
+3.25	7.06	-3.80	6.0	1.1	25	-6.92	3.50
+3.00	7.25	-4.25	5.7	1.1	24	-7.16	4.00
+2.75	7.00	-4.25	5.3	1.1	23	-6.90	4.00
+2.50	6.76	-4.25	4.9	1.1	22	-6.65	4.00
+2.25	6.52	-4.25	4.5	1.1	21	-6.39	4.00
+2.00	6.71	-4.70	4.2	1.1	20	-6.62	4.50
+1.75	6.46	-4.70	3.8	1.1	19	-6.37	4.50
+1.50	6.21	-4.70	3.4	1.1	17	-6.11	4.50
+1.25	5.96	-4.70	3.0	1.1	16	-5.85	4.50
+1.00	6.13	-5.15	3.2	1.7	22	-6.05	5.00
+0.75	5.88	-5.15	2.8	1.7	21	-5.79	5.00
+0.50	5.63	-5.15	2.4	1.7	20	-5.53	5.00
+0.25	5.36	-5.15	2.0	1.7	18	-5.26	5.00

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 75mm

Nominal Values: 75 mm Minus Range (Sphere Geometry Only) in 1.530 Index

Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)	Front Mould Curve (D)	Back Mould Curve (D)
0.00	5.46	-5.50	2.0	2.1	15	-5.47	5.50
-0.25	5.20	-5.50	1.8	2.3	16	-5.18	5.50
-0.50	4.94	-5.50	1.8	2.6	17	-4.89	5.50
-0.75	4.68	-5.50	1.8	3.0	18	-4.60	5.50
-1.00	4.41	-5.50	1.8	3.4	19	-4.31	5.50
-1.25	4.65	-6.00	1.8	3.8	20	-4.53	6.00
-1.50	4.38	-6.00	1.8	4.2	21	-4.25	6.00
-1.75	4.12	-6.00	1.8	4.6	22	-3.96	6.00
-2.00	3.86	-6.00	1.8	5.0	24	-3.68	6.00
-2.25	4.09	-6.50	1.8	5.4	25	-3.90	6.50
-2.50	3.83	-6.50	1.8	5.8	26	-3.61	6.50
-2.75	3.56	-6.50	1.8	6.1	27	-3.33	6.50
-3.00	3.30	-6.50	1.8	6.5	28	-3.05	6.50
-3.25	3.53	-7.00	1.8	7.0	29	-3.27	7.00
-3.50	3.27	-7.00	1.8	7.3	30	-2.98	7.00
-3.75	3.01	-7.00	1.8	7.7	31	-2.70	7.00
-4.00	2.74	-7.00	1.8	8.1	32	-2.42	7.00
-4.25	2.97	-7.50	1.8	8.6	34	-2.63	7.50
-4.50	2.71	-7.50	1.8	8.9	35	-2.34	7.50
-4.75	2.45	-7.50	1.8	9.3	36	-2.06	7.50
-5.00	2.18	-7.50	1.8	9.7	37	-1.78	7.50
-5.25	2.42	-8.00	1.8	10.2	38	-2.00	8.00
-5.50	2.15	-8.00	1.8	10.6	39	-1.71	8.00
-5.75	1.89	-8.00	1.8	10.9	40	-1.43	8.00
-6.00	1.62	-8.00	1.8	11.3	41	-1.15	8.00

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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 UC 75mm

1. Customer Product Codes

EDI:	CAT Code:	LGC:	LGC Description:	Notes:	FDA
7487	N79	T6701	SYNC FSV SPH 15 UNC 75+ --F	Country of Origin required on Label	Yes, FDA2 envelope required
		T6702	SYNC FSV SPH 15 UNC 75X --F		
	N80	T6703	SYNC FSV SPH 15 UNC 75- --F		

2. Material & Coating Specifications:

Type	1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 94 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	Uncoated

3. Design:

Power Range	Design	Diameter
+4.00 to -6.00	Spherical	75 mm

4. Product Markings: None

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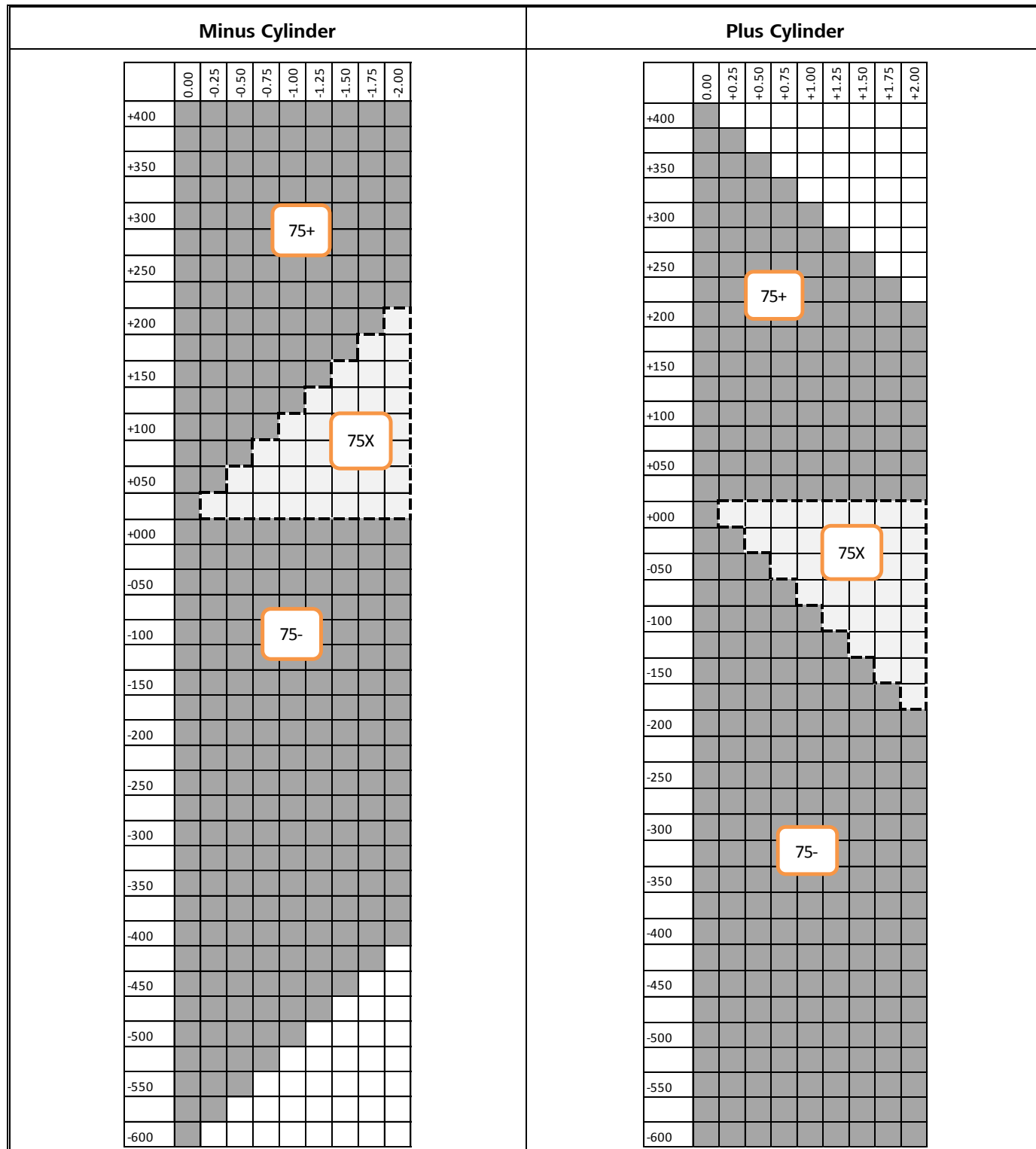
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 UC 75mm

5. Product Range:



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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 UC 75mm

6. Lens Geometry:

- Notes
- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
 - 2: All curves are in 1.530 Index and all dimensions are in millimetres
 - 3: No lens to be sold with a CT under 1.6mm

Lens Centre Thickness Tolerance

Lens Power Range (D)	Centre Thickness Tolerance
0.00 to +4.00	± 0.30 mm
-0.25 to -6.00	+0.30 / -0.20 mm

Nominal Values: 75 mm Plus Range (Sphere Geometry Only) in 1.530 Index

Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)	Front Mould Curve (D)	Back Mould Curve (D)
+4.00	7.77	-3.80	7.2	1.1	29	-7.66	3.50
+3.75	7.53	-3.80	6.8	1.1	28	-7.41	3.50
+3.50	7.30	-3.80	6.4	1.1	26	-7.17	3.50
+3.25	7.06	-3.80	6.0	1.1	25	-6.92	3.50
+3.00	7.25	-4.25	5.7	1.1	24	-7.16	4.00
+2.75	7.00	-4.25	5.3	1.1	23	-6.90	4.00
+2.50	6.76	-4.25	4.9	1.1	22	-6.65	4.00
+2.25	6.52	-4.25	4.5	1.1	21	-6.39	4.00
+2.00	6.71	-4.70	4.2	1.1	20	-6.62	4.50
+1.75	6.46	-4.70	3.8	1.1	19	-6.37	4.50
+1.50	6.21	-4.70	3.4	1.1	17	-6.11	4.50
+1.25	5.96	-4.70	3.0	1.1	16	-5.85	4.50
+1.00	6.13	-5.15	3.2	1.7	22	-6.05	5.00
+0.75	5.88	-5.15	2.8	1.7	21	-5.79	5.00
+0.50	5.63	-5.15	2.4	1.7	20	-5.53	5.00
+0.25	5.36	-5.15	2.0	1.7	18	-5.26	5.00

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 UC 75mm

Nominal Values: 75 mm Minus Range (Sphere Geometry Only) in 1.530 Index

Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)	Front Mould Curve (D)	Back Mould Curve (D)
0.00	5.46	-5.50	2.0	2.1	15	-5.47	5.50
-0.25	5.20	-5.50	1.8	2.3	16	-5.18	5.50
-0.50	4.94	-5.50	1.8	2.6	17	-4.89	5.50
-0.75	4.68	-5.50	1.8	3.0	18	-4.60	5.50
-1.00	4.41	-5.50	1.8	3.4	19	-4.31	5.50
-1.25	4.65	-6.00	1.8	3.8	20	-4.53	6.00
-1.50	4.38	-6.00	1.8	4.2	21	-4.25	6.00
-1.75	4.12	-6.00	1.8	4.6	22	-3.96	6.00
-2.00	3.86	-6.00	1.8	5.0	24	-3.68	6.00
-2.25	4.09	-6.50	1.8	5.4	25	-3.90	6.50
-2.50	3.83	-6.50	1.8	5.8	26	-3.61	6.50
-2.75	3.56	-6.50	1.8	6.1	27	-3.33	6.50
-3.00	3.30	-6.50	1.8	6.5	28	-3.05	6.50
-3.25	3.53	-7.00	1.8	7.0	29	-3.27	7.00
-3.50	3.27	-7.00	1.8	7.3	30	-2.98	7.00
-3.75	3.01	-7.00	1.8	7.7	31	-2.70	7.00
-4.00	2.74	-7.00	1.8	8.1	32	-2.42	7.00
-4.25	2.97	-7.50	1.8	8.6	34	-2.63	7.50
-4.50	2.71	-7.50	1.8	8.9	35	-2.34	7.50
-4.75	2.45	-7.50	1.8	9.3	36	-2.06	7.50
-5.00	2.18	-7.50	1.8	9.7	37	-1.78	7.50
-5.25	2.42	-8.00	1.8	10.2	38	-2.00	8.00
-5.50	2.15	-8.00	1.8	10.6	39	-1.71	8.00
-5.75	1.89	-8.00	1.8	10.9	40	-1.43	8.00
-6.00	1.62	-8.00	1.8	11.3	41	-1.15	8.00

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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 HC [USA] 70mm

1. Customer Product Codes

EDI	CAT Code	LGC	LGC Description	Notes	FDA
8530	N74	T6671	SYNC FSV SPH 15 HC 70+ --F	Country of Origin required on Label	Yes, FDA2 envelope Required
		T6672	SYNC FSV SPH 15 HC 70X --F		
	N75	T6673	SYNC FSV SPH 15 HC 70- --F		

2. Material & Coating Specifications:

Type	1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 94 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	Hard Coated

3. Design:

Power Range	Design	Diameter
+5.00 to -8.00	Spherical	70 mm

4. Product Markings: None

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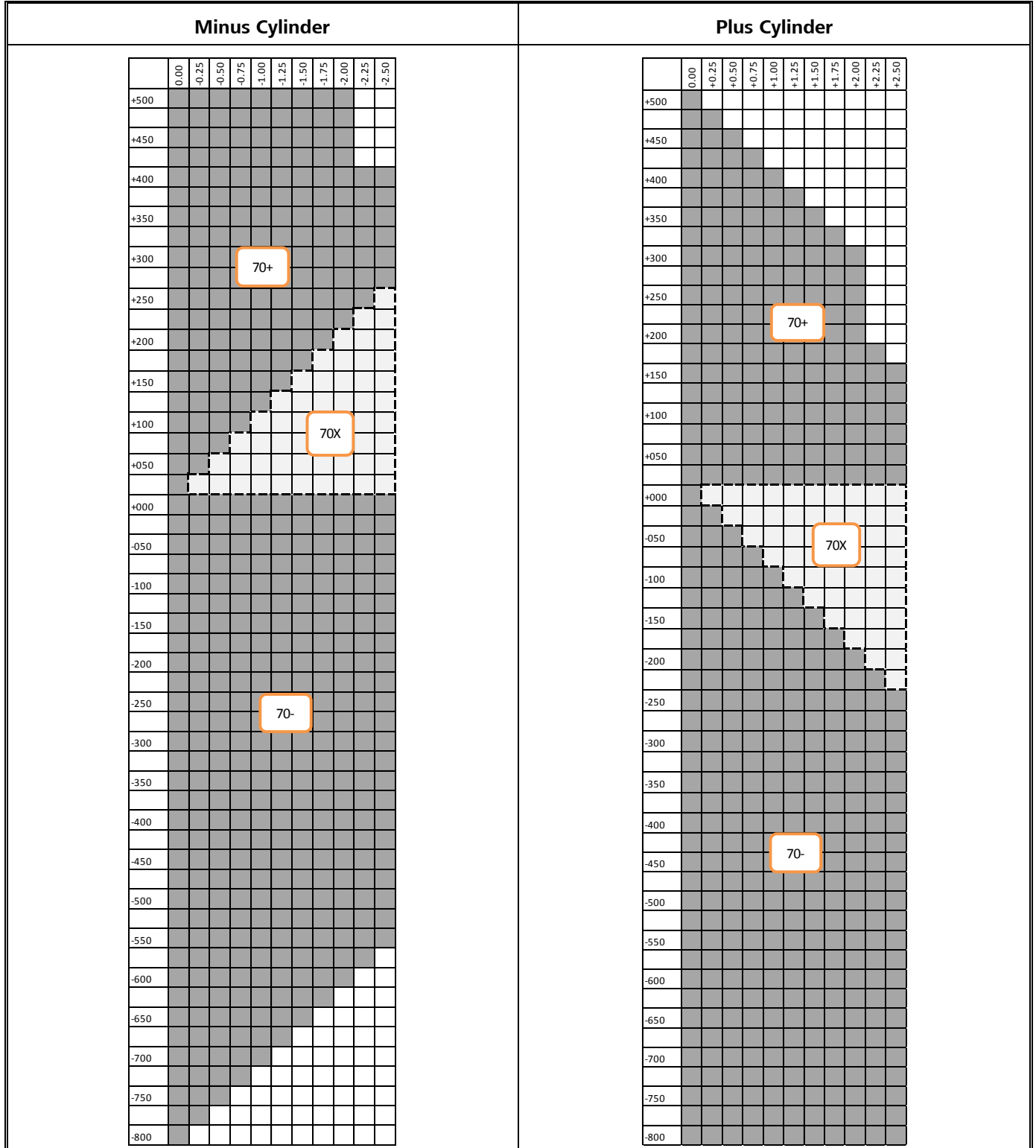
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 70mm

5. Product Range:



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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 HC [USA] 70mm

6. Lens Geometry:

- Notes
- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
 - 2: All curves are in 1.530 Index and all dimensions are in millimetres
 - 3: No lens to be sold with a CT under 1.6mm

Lens Centre Thickness Tolerance

Lens Power Range (D)	Centre Thickness Tolerance
0.00 to +5.00	± 0.30 mm
-0.25 to -8.00	+0.30 / -0.20 mm

(Nominal Values) 70 mm Plus Range Curves (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm)	Edge Thickness (mm) Nominal
+5.00	+7.86	-2.85	7.5	1.0	+2.50	+6.30	-3.75	4.2	1.0
+4.75	+7.63	-2.85	7.1	1.0	+2.25	+6.48	-4.20	3.9	1.0
+4.50	+7.39	-2.85	6.8	1.0	+2.00	+6.24	-4.20	3.6	1.0
+4.25	+7.53	-3.25	6.5	1.0	+1.75	+5.98	-4.20	3.3	1.0
+4.00	+7.30	-3.25	6.2	1.0	+1.50	+5.73	-4.20	2.9	1.0
+3.75	+7.05	-3.25	5.8	1.0	+1.25	+5.92	-4.65	2.6	1.0
+3.50	+6.80	-3.25	5.5	1.0	+1.00	+5.67	-4.65	2.3	1.0
+3.25	+7.04	-3.75	5.2	1.0	+0.75	+5.41	-4.65	2.0	1.0
+3.00	+6.79	-3.75	4.9	1.0	+0.50	+5.15	-4.65	2.0	1.4
+2.75	+6.55	-3.75	4.6	1.0	+0.25	+5.30	-5.07	2.0	1.7

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 70mm

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm)	Edge Thickness (mm) Nominal
0.00	5.71	-5.75	2.0	2.1	-4.25	3.47	-8.00	1.8	7.8
-0.25	5.45	-5.75	1.8	2.2	-4.50	3.21	-8.00	1.8	8.1
-0.50	5.19	-5.75	1.8	2.5	-4.75	2.95	-8.00	1.8	8.4
-0.75	4.93	-5.75	1.8	2.9	-5.00	2.68	-8.00	1.8	8.7
-1.00	4.66	-5.75	1.8	3.2	-5.25	2.42	-8.00	1.8	9.0
-1.25	5.14	-6.50	1.8	3.6	-5.50	2.15	-8.00	1.8	9.3
-1.50	4.88	-6.50	1.8	3.9	-5.75	1.89	-8.00	1.8	9.6
-1.75	4.62	-6.50	1.8	4.2	-6.00	1.62	-8.00	1.8	9.9
-2.00	4.35	-6.50	1.8	4.6	-6.25	2.36	-9.00	1.8	10.6
-2.25	4.59	-7.00	1.8	5.0	-6.50	2.09	-9.00	1.8	10.9
-2.50	4.32	-7.00	1.8	5.3	-6.75	1.83	-9.00	1.8	11.2
-2.75	4.06	-7.00	1.8	5.6	-7.00	1.56	-9.00	1.8	11.5
-3.00	3.80	-7.00	1.8	5.9	-7.25	2.29	-10.00	1.8	12.3
-3.25	4.03	-7.50	1.8	6.3	-7.50	2.03	-10.00	1.8	12.6
-3.50	3.77	-7.50	1.8	6.7	-7.75	1.77	-10.00	1.8	13.0
-3.75	3.50	-7.50	1.8	7.0	-8.00	1.50	-10.00	1.8	13.3
-4.00	3.24	-7.50	1.8	7.3					

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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 UC 70mm

1. Customer Product Codes

EDI:	CAT Code:	LGC:	LGC Description:	Notes:	FDA
7487	N72	S1171	SYNC FSV SPH 15 UNC 70+ --F	Country of Origin required on Label	Yes, FDA2 envelope Required
		S1172	SYNC FSV SPH 15 UNC 70X --F		
	N73	S4843	SYNC FSV SPH 15 UNC 70- --F		

2. Material & Coating Specifications:

Type	1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 94 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	Uncoated

3. Design:

Power Range	Design	Diameter
+5.00 to -8.00	Spherical	70 mm

4. Product Markings: None

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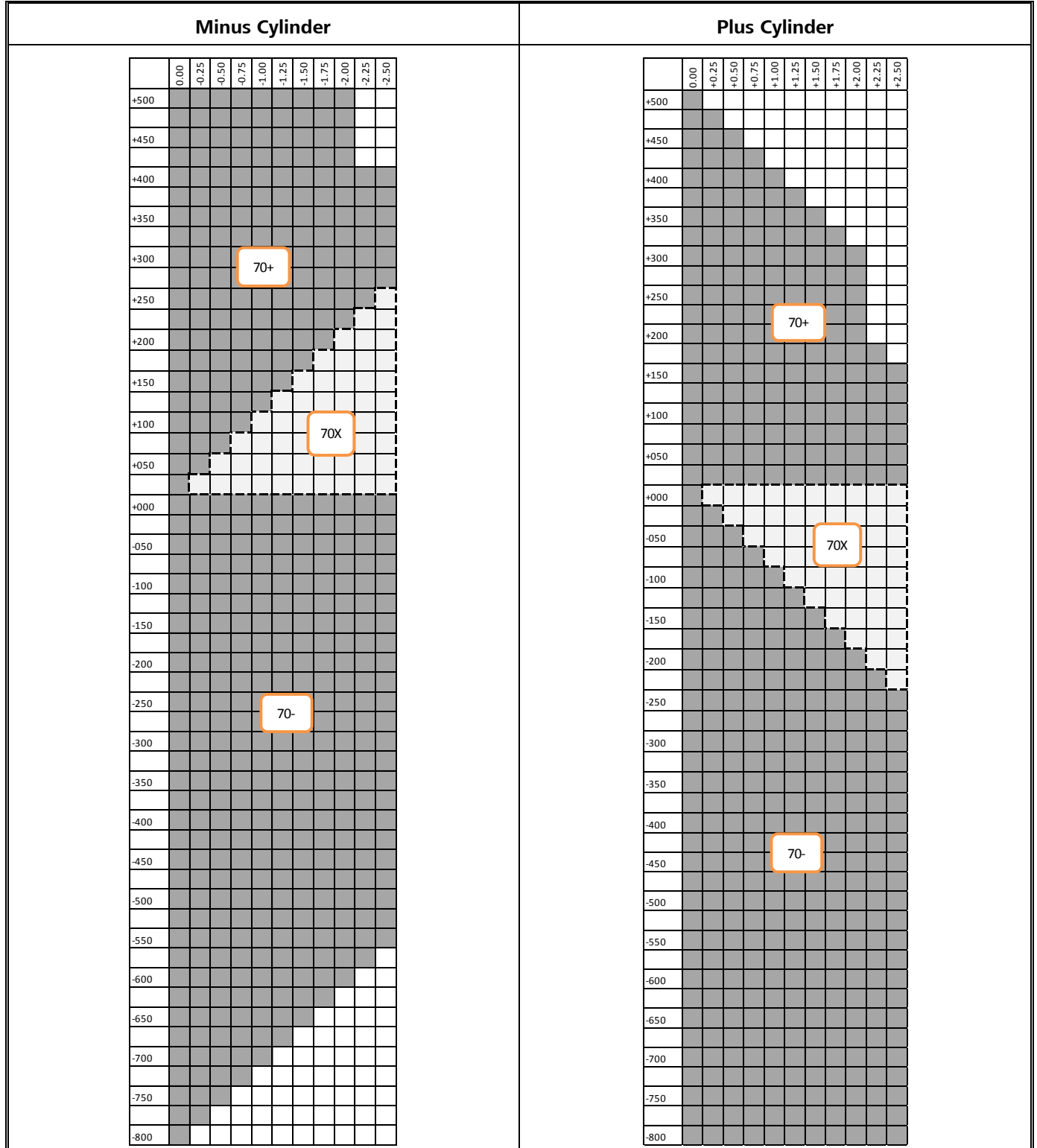
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 UC 70mm

5. Product Range:



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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 UC 70mm

6. Lens Geometry:

- Notes
- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
 - 2: All curves are in 1.530 Index and all dimensions are in millimetres
 - 3: No lens to be sold with a CT under 1.6mm

Lens Centre Thickness Tolerance

Lens Power Range (D)	Centre Thickness Tolerance
0.00 to +5.00	± 0.30 mm
-0.25 to -8.00	+0.30 / -0.20 mm

Nominal Values: 70mm Plus Range (Sphere Geometry Only) in 1.530 Index

Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)	Front Mould Curve (D)	Back Mould Curve (D)
+5.00	+7.86	-2.85	7.5	1.0	26	-7.79	2.50
+4.75	+7.63	-2.85	7.1	1.0	25	-7.54	2.50
+4.50	+7.39	-2.85	6.8	1.0	24	-7.30	2.50
+4.25	+7.53	-3.25	6.5	1.0	24	-7.51	3.00
+4.00	+7.30	-3.25	6.2	1.0	23	-7.28	3.00
+3.75	+7.05	-3.25	5.8	1.0	22	-7.03	3.00
+3.50	+6.80	-3.25	5.5	1.0	21	-6.78	3.00
+3.25	+7.04	-3.75	5.2	1.0	20	-7.05	3.50
+3.00	+6.79	-3.75	4.9	1.0	19	-6.78	3.50
+2.75	+6.55	-3.75	4.6	1.0	18	-6.53	3.50
+2.50	+6.30	-3.75	4.2	1.0	18	-6.28	3.50
+2.25	+6.48	-4.20	3.9	1.0	17	-6.49	4.00
+2.00	+6.24	-4.20	3.6	1.0	16	-6.22	4.00
+1.75	+5.98	-4.20	3.3	1.0	15	-5.95	4.00
+1.50	+5.73	-4.20	2.9	1.0	14	-5.68	4.00
+1.25	+5.92	-4.65	2.6	1.0	13	-5.89	4.50
+1.00	+5.67	-4.65	2.3	1.0	13	-5.62	4.50
+0.75	+5.41	-4.65	2.0	1.0	12	-5.33	4.50
+0.50	+5.15	-4.65	2.0	1.4	13	-5.06	4.50
+0.25	+5.30	-5.07	2.0	1.7	13	-5.26	5.00

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 UC 70mm

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm)	Edge Thickness (mm) Nominal
0.00	5.71	-5.75	2.0	2.1	-4.25	3.47	-8.00	1.8	7.8
-0.25	5.45	-5.75	1.8	2.2	-4.50	3.21	-8.00	1.8	8.1
-0.50	5.19	-5.75	1.8	2.5	-4.75	2.95	-8.00	1.8	8.4
-0.75	4.93	-5.75	1.8	2.9	-5.00	2.68	-8.00	1.8	8.7
-1.00	4.66	-5.75	1.8	3.2	-5.25	2.42	-8.00	1.8	9.0
-1.25	5.14	-6.50	1.8	3.6	-5.50	2.15	-8.00	1.8	9.3
-1.50	4.88	-6.50	1.8	3.9	-5.75	1.89	-8.00	1.8	9.6
-1.75	4.62	-6.50	1.8	4.2	-6.00	1.62	-8.00	1.8	9.9
-2.00	4.35	-6.50	1.8	4.6	-6.25	2.36	-9.00	1.8	10.6
-2.25	4.59	-7.00	1.8	5.0	-6.50	2.09	-9.00	1.8	10.9
-2.50	4.32	-7.00	1.8	5.3	-6.75	1.83	-9.00	1.8	11.2
-2.75	4.06	-7.00	1.8	5.6	-7.00	1.56	-9.00	1.8	11.5
-3.00	3.80	-7.00	1.8	5.9	-7.25	2.29	-10.00	1.8	12.3
-3.25	4.03	-7.50	1.8	6.3	-7.50	2.03	-10.00	1.8	12.6
-3.50	3.77	-7.50	1.8	6.7	-7.75	1.77	-10.00	1.8	13.0
-3.75	3.50	-7.50	1.8	7.0	-8.00	1.50	-10.00	1.8	13.3
-4.00	3.24	-7.50	1.8	7.3					

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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 HC [USA] 65mm

1. Customer Product Codes

EDI:	CAT Code:	LGC:	LGC Description:	Notes:	FDA
8530	N76	T6681	SYNC FSV SPH 15 HC 65+ --F	Country of Origin required on Label	Yes, FDA2 envelope required
		T6682	SYNC FSV SPH 15 HC 65X --F		
	Y62	T6683	SYNC FSV SPH 15 HC 65- --F		

2. Material & Coating Specifications:

Type	1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 94 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	Hard Coated

3. Design:

Power Range	Design	Diameter
+6.00 to -6.00	Spherical	65 mm

4. Product Markings: None

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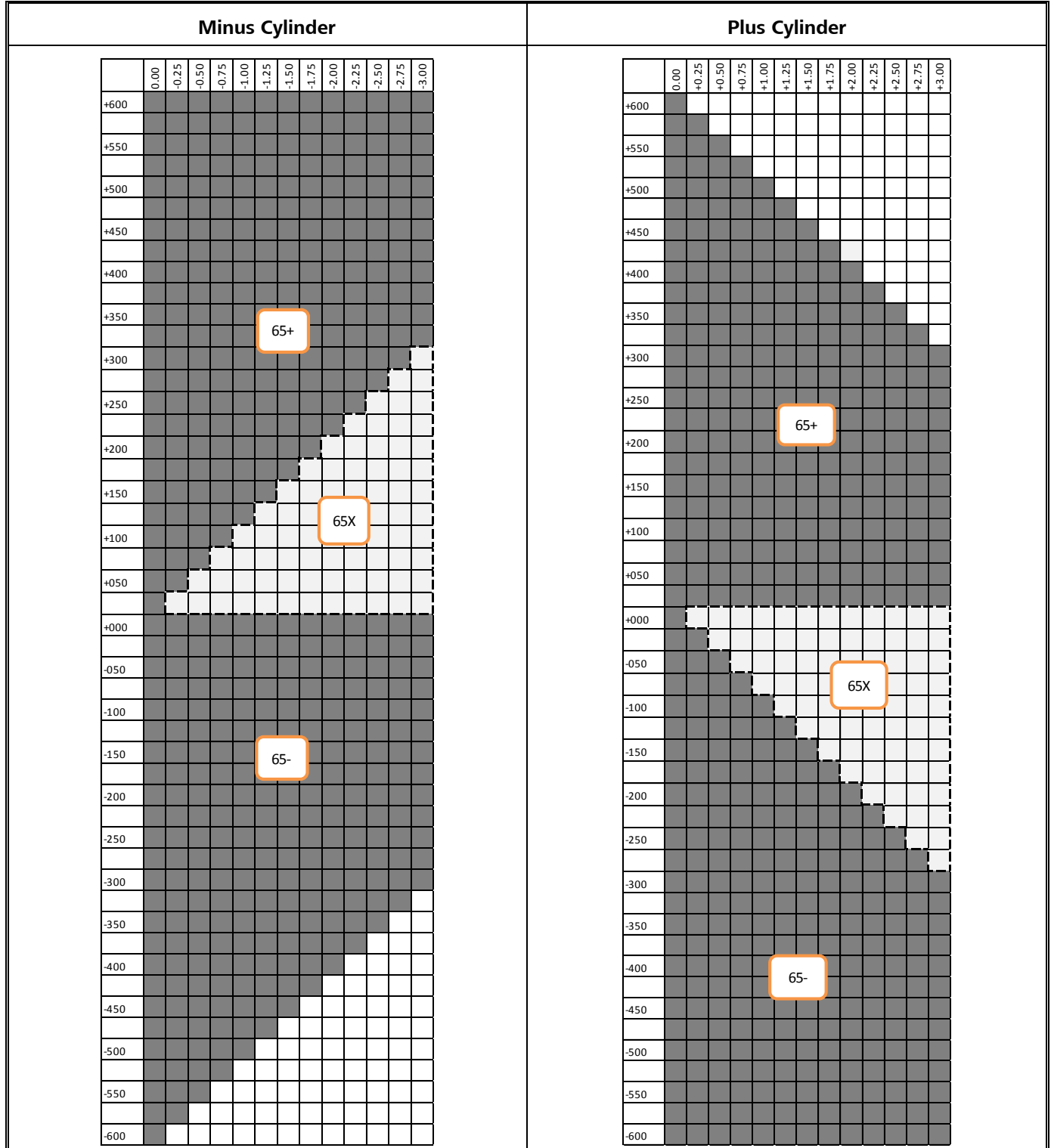
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 65mm

5. .Product Range:



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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 65mm

6. Lens Geometry:

- Notes
- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
 - 2: All curves are in 1.530 Index and all dimensions are in millimetres
 - 3: No lens to be sold with a CT under 1.6mm

Lens Centre Thickness Tolerance

Lens Power Range (D)	Centre Thickness Tolerance
0.00 to +6.00	± 0.30 mm
-0.25 to -6.00	+0.30 / -0.20 mm

Nominal Values: 65mm Plus Range (Sphere Geometry Only) in 1.530 Index

Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)	Front Mould Curve (D)	Back Mould Curve (D)
+6.00	+8.78	-2.80	7.7	1.0	24	-8.77	2.50
+5.75	+8.55	-2.80	7.4	1.0	23	-8.54	2.50
+5.50	+8.32	-2.80	7.1	1.0	22	-8.29	2.50
+5.25	+8.09	-2.80	6.8	1.0	22	-8.07	2.50
+5.00	+7.85	-2.80	6.5	1.0	21	-7.85	2.50
+4.75	+7.61	-2.80	6.2	1.0	20	-7.61	2.50
+4.50	+7.37	-2.80	6.0	1.0	19	-7.35	2.50
+4.25	+7.55	-3.25	5.7	1.0	19	-7.56	3.00
+4.00	+7.31	-3.25	5.4	1.0	18	-7.31	3.00
+3.75	+7.07	-3.25	5.1	1.0	18	-7.07	3.00
+3.50	+6.82	-3.25	4.9	1.0	17	-6.81	3.00
+3.25	+7.05	-3.75	4.6	1.0	16	-7.08	3.50
+3.00	+6.81	-3.75	4.3	1.0	16	-6.79	3.50
+2.75	+6.56	-3.75	4.0	1.0	15	-6.55	3.50
+2.50	+6.31	-3.75	3.8	1.0	14	-6.28	3.50
+2.25	+6.54	-4.25	3.5	1.0	14	-6.49	4.00
+2.00	+6.29	-4.25	3.2	1.0	13	-6.22	4.00
+1.75	+6.04	-4.25	3.0	1.0	13	-5.95	4.00
+1.50	+5.79	-4.25	2.7	1.0	12	-5.68	4.00
+1.25	+5.92	-4.65	2.4	1.0	11	-5.88	4.50
+1.00	+5.67	-4.65	2.1	1.0	11	-5.60	4.50
+0.75	+5.41	-4.65	2.0	1.2	11	-5.33	4.50
+0.50	+5.15	-4.65	2.0	1.5	12	-5.06	4.50
+0.25	+5.30	-5.07	2.0	1.7	12	-5.27	5.00

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 65mm

(Nominal Values) 65 mm Minus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve ¹ (D)	Back Curve (D) Nominal	Centre Thickness (mm)	Edge Thickness (mm) Nominal	Power (D)	Front Curve ¹ (D)	Back Curve (D) Nominal	Centre Thickness (mm)	Edge Thickness (mm) Nominal
0.00	+5.71	-5.75	2.0	2.0	-3.25	+4.03	-7.50	1.8	5.6
-0.25	+5.45	-5.75	1.8	2.1	-3.50	+3.77	-7.50	1.8	5.9
-0.50	+5.19	-5.75	1.8	2.4	-3.75	+3.50	-7.50	1.8	6.2
-0.75	+4.93	-5.75	1.8	2.7	-4.00	+3.24	-7.50	1.8	6.5
-1.00	+4.66	-5.75	1.8	3.0	-4.25	+3.47	-8.00	1.8	6.8
-1.25	+5.14	-6.50	1.8	3.3	-4.50	+3.21	-8.00	1.8	7.1
-1.50	+4.88	-6.50	1.8	3.6	-4.75	+2.95	-8.00	1.8	7.4
-1.75	+4.62	-6.50	1.8	3.9	-5.00	+2.68	-8.00	1.8	7.6
-2.00	+4.35	-6.50	1.8	4.1	-5.25	+2.42	-8.00	1.8	7.9
-2.25	+4.59	-7.00	1.8	4.5	-5.50	+2.15	-8.00	1.8	8.2
-2.50	+4.32	-7.00	1.8	4.7	-5.75	+1.89	-8.00	1.8	8.4
-2.75	+4.06	-7.00	1.8	5.0	-6.00	+1.62	-8.00	1.8	8.7
-3.00	+3.80	-7.00	1.8	5.3					

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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 UC 65mm

1. Customer Product Codes

EDI:	CAT Code:	LGC:	LGC Description:	Notes:	FDA
7487	N71	S1031	SYNC FSV SPH 15 UNC 65+ --F	Country of Origin required on Label	Yes, FDA2 envelope required
		S1032	SYNC FSV SPH 15 UNC 65X --F		
	N70	S1003	SYNC FSV SPH 15 UNC 65- --F		

2. Material & Coating Specifications:

Type	1.5 Polymer
Refractive Index	$n_d = 1.499$ $n_e = 1.500$
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 94 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	Uncoated

3. Design:

Power Range	Design	Diameter
+6.00 to -6.00	Spherical	65 mm

4. Product Markings: None

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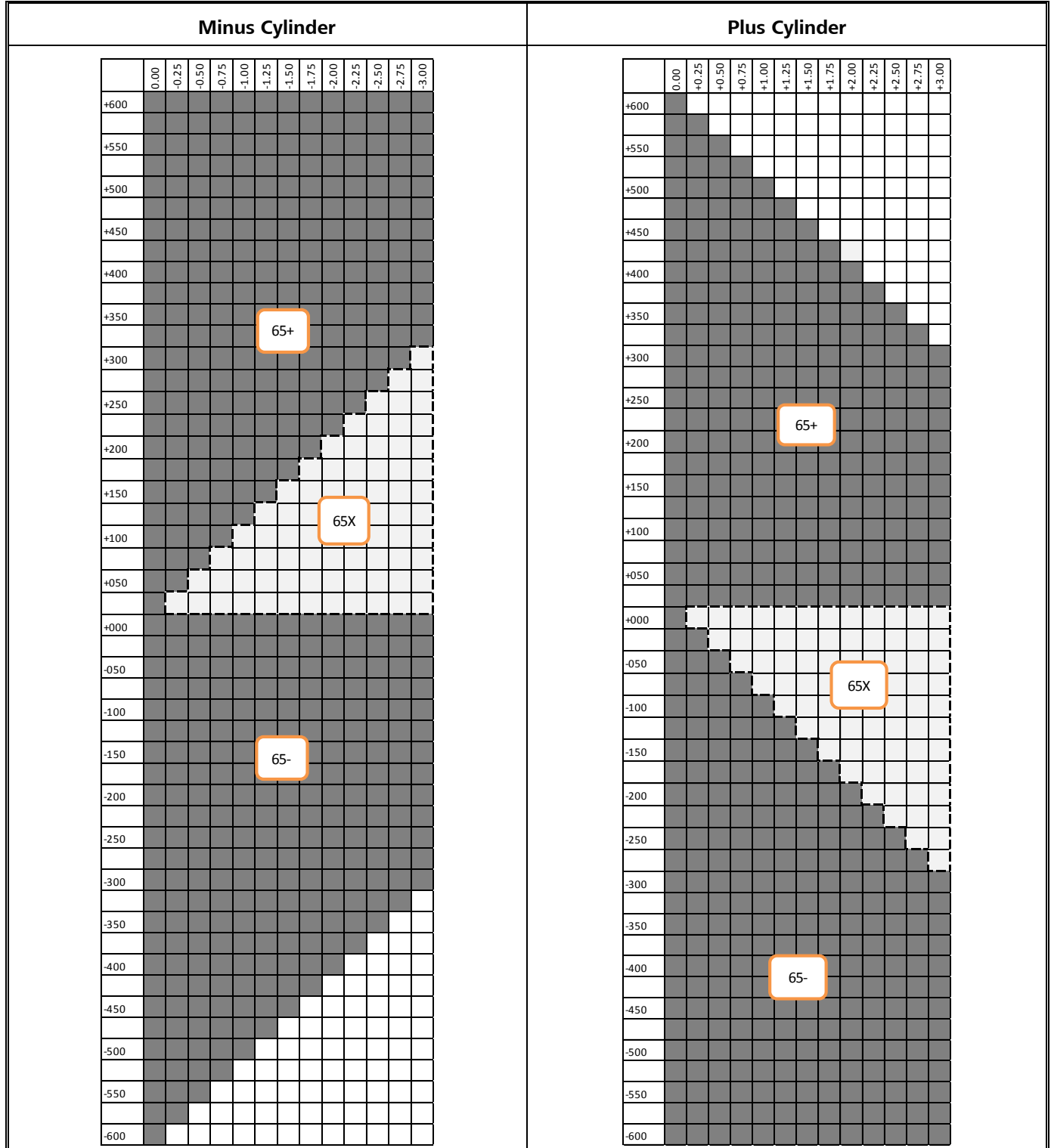
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Product Name

synchrony Finished SV SPH 1.5 UC 65mm

5. .Product Range:



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Product Name synchrony Finished SV SPH 1.5 UC 65mm

6. Lens Geometry:

- Notes
- 1: The Lens Front Curve values are indicative values calculated using the Lens Back Curve values.
 - 2: All curves are in 1.530 Index and all dimensions are in millimetres
 - 3: No lens to be sold with a CT under 1.6mm

Lens Centre Thickness Tolerance

Lens Power Range (D)	Centre Thickness Tolerance
0.00 to +6.00	± 0.30 mm
-0.25 to -6.00	+0.30 / -0.20 mm

Nominal Values: 65mm Plus Range (Sphere Geometry Only) in 1.530 Index

Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Packaged Weight (g)	Front Mould Curve (D)	Back Mould Curve (D)
+6.00	+8.78	-2.80	7.7	1.0	24	-8.77	2.50
+5.75	+8.55	-2.80	7.4	1.0	23	-8.54	2.50
+5.50	+8.32	-2.80	7.1	1.0	22	-8.29	2.50
+5.25	+8.09	-2.80	6.8	1.0	22	-8.07	2.50
+5.00	+7.85	-2.80	6.5	1.0	21	-7.85	2.50
+4.75	+7.61	-2.80	6.2	1.0	20	-7.61	2.50
+4.50	+7.37	-2.80	6.0	1.0	19	-7.35	2.50
+4.25	+7.55	-3.25	5.7	1.0	19	-7.56	3.00
+4.00	+7.31	-3.25	5.4	1.0	18	-7.31	3.00
+3.75	+7.07	-3.25	5.1	1.0	18	-7.07	3.00
+3.50	+6.82	-3.25	4.9	1.0	17	-6.81	3.00
+3.25	+7.05	-3.75	4.6	1.0	16	-7.08	3.50
+3.00	+6.81	-3.75	4.3	1.0	16	-6.79	3.50
+2.75	+6.56	-3.75	4.0	1.0	15	-6.55	3.50
+2.50	+6.31	-3.75	3.8	1.0	14	-6.28	3.50
+2.25	+6.54	-4.25	3.5	1.0	14	-6.49	4.00
+2.00	+6.29	-4.25	3.2	1.0	13	-6.22	4.00
+1.75	+6.04	-4.25	3.0	1.0	13	-5.95	4.00
+1.50	+5.79	-4.25	2.7	1.0	12	-5.68	4.00
+1.25	+5.92	-4.65	2.4	1.0	11	-5.88	4.50
+1.00	+5.67	-4.65	2.1	1.0	11	-5.60	4.50
+0.75	+5.41	-4.65	2.0	1.2	11	-5.33	4.50
+0.50	+5.15	-4.65	2.0	1.5	12	-5.06	4.50
+0.25	+5.30	-5.07	2.0	1.7	12	-5.27	5.00

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 UC 65mm

(Nominal Values) 65 mm Minus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve ¹ (D)	Back Curve (D) Nominal	Centre Thickness (mm)	Edge Thickness (mm) Nominal	Power (D)	Front Curve ¹ (D)	Back Curve (D) Nominal	Centre Thickness (mm)	Edge Thickness (mm) Nominal
0.00	+5.71	-5.75	2.0	2.0	-3.25	+4.03	-7.50	1.8	5.6
-0.25	+5.45	-5.75	1.8	2.1	-3.50	+3.77	-7.50	1.8	5.9
-0.50	+5.19	-5.75	1.8	2.4	-3.75	+3.50	-7.50	1.8	6.2
-0.75	+4.93	-5.75	1.8	2.7	-4.00	+3.24	-7.50	1.8	6.5
-1.00	+4.66	-5.75	1.8	3.0	-4.25	+3.47	-8.00	1.8	6.8
-1.25	+5.14	-6.50	1.8	3.3	-4.50	+3.21	-8.00	1.8	7.1
-1.50	+4.88	-6.50	1.8	3.6	-4.75	+2.95	-8.00	1.8	7.4
-1.75	+4.62	-6.50	1.8	3.9	-5.00	+2.68	-8.00	1.8	7.6
-2.00	+4.35	-6.50	1.8	4.1	-5.25	+2.42	-8.00	1.8	7.9
-2.25	+4.59	-7.00	1.8	4.5	-5.50	+2.15	-8.00	1.8	8.2
-2.50	+4.32	-7.00	1.8	4.7	-5.75	+1.89	-8.00	1.8	8.4
-2.75	+4.06	-7.00	1.8	5.0	-6.00	+1.62	-8.00	1.8	8.7
-3.00	+3.80	-7.00	1.8	5.3					

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