



Single Vision - Fact Sheets

Table of Contents

1.74 High Index – finished AR coated

<i>1.74 UVProtect DuraVision Platinum UV Double Side Aspheric</i>	1 – 3
---	--------------

1.67 High Index – finished AR coated

<i>1.67 UVProtect DuraVision Platinum UV Aspheric</i>	4 – 7
---	--------------

<i>1.67 UVProtect DuraVision Blue Protect UV Aspheric</i>	8 – 11
---	---------------

<i>1.67 HMCx Aspheric</i>	12 – 15
---------------------------	----------------

1.67 High Index – finished coated

<i>1.67 Coated Aspheric</i>	16 – 19
-----------------------------	----------------



Single Vision - Fact Sheets

Table of Contents

1.59 Polycarbonate – finished AR coated

<i>1.59 UVProtect DuraVision Platinum UV Polycarbonate Aspheric</i>	20 – 22
<i>1.59 UVProtect DuraVision Silver UV Polycarbonate Aspheric</i>	23 – 25
<i>1.59 UVProtect DuraVision Blue Protect UV Polycarbonate Aspheric</i>	26 – 28
<i>1.59 UVProtect DuraVision Chrome UV Polycarbonate Aspheric</i>	29 – 31
<i>1.59 HMCx Polycarbonate Aspheric</i>	32 – 34
<i>1.59 HMC+ Polycarbonate Spherical</i>	35 – 37

1.59 Polycarbonate – finished Photochromic AR coated

<i>1.59 HMC+ PhotoFusion Polycarbonate Aspheric</i>	38 – 40
---	----------------

1.59 Polycarbonate – finished Photochromic coated

<i>1.59 PhotoFusion Polycarbonate Aspheric</i>	41 – 43
--	----------------

1.59 UV Protect Polycarbonate – finished coated

<i>1.59 UVProtect Polycarbonate Aspheric</i>	44 – 46
--	----------------

1.59 Polycarbonate – finished coated

<i>1.59 HC-T Tintable Polycarbonate 65mm Plus Aspheric/75 Minus Spherical</i>	47 – 49
<i>1.59 HC+ Polycarbonate Aspheric</i>	50 – 52
<i>1.59 Polycarbonate Spherical</i>	53 – 55
<i>1.59 Polycarbonate 68mm Plus Aspheric/72mm Minus Spherical</i>	56 – 57
<i>1.59 Polycarbonate 2.0mm CT Safety Spherical</i>	58 – 60



Single Vision - Fact Sheets (continued)

Table of Contents

1.53 Trivex – finished AR coated

1.53 UVProtect DuraVision Platinum UV Trivex 61 – 63

1.53 UVProtect DuraVision Blue Protect UV Trivex 64 – 67

1.53 Trivex – finished coated

1.53 Trivex 65mm Plus Spherical / 70 Minus Spherical 68 – 70

1.50 Hard Resin – finished AR coated

1.50 UVProtect DuraVision Platinum UV Hard Resin 71 – 74

1.50 UVProtect DuraVision Silver UV Hard Resin 75 – 78

1.50 UVProtect DuraVision Blue Protect UV Hard Resin 79 – 82

1.50 UVProtect DuraVision Chrome UV Hard Resin 83 – 86

1.50 HMCx Hard Resin 87 – 90

1.50 HMC+ Hard Resin 91 – 94

1.50 Hard Resin – finished Photochromic AR coated

1.50 UVProtect PhotoFusion Gray DuraVision Platinum UV Hard Resin 95 – 97

1.50 PhotoFusion Gray HMCx Hard Resin 98 – 100

1.50 Hard Resin – finished Photochromic coated

1.50 PhotoFusion Gray Hard Resin Single Vision 101 – 103

1.50 Hard Resin – finished coated/uncoated

1.50 UVProtect Hard Resin Single Vision HART coated 104 – 107

1.50 Hard Resin Single Vision 75mm coated 108 – 111

1.50 Hard Resin Single Vision 75mm uncoated 112 – 115

1.50 Hard Resin Single Vision 70mm coated 116 – 119

1.50 Hard Resin Single Vision 70mm uncoated 120 – 123

1.50 Hard Resin Single Vision 65mm coated 124 – 127

1.50 Hard Resin Single Vision 65mm uncoated 128 – 131

PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.74 UVProtect DuraVision Platinum

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	CAT Code
21317	R1333	ZEISS FSV AS 174 DVP 70- U-J	Country of origin on Envelope	Yes	No	C60
	R1343	ZEISS FSV AS 174 DVP 75- U-J				C59

2. Material & Coating Specifications:

Type	Organic 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
-2.75 to -8.00	Aspheric	75 mm
-8.25 to -12.00	Aspheric	70 mm

4. Product Markings: None

Document Number: Z00945.FS1

For External Distribution

Reviewed by: Stefan Neissner, 2 March 2018

Page 1 of 3

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.74 UVProtect DuraVision Platinum

5. Product Range:

Minus Cylinder										Plus Cylinder									
	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
-200										-200									
-250										-250									
-300										-300									
-350										-350									
-400										-400									
-450										-450									
-500										-500									
-550										-550									
-600										-600									
-650										-650									
-700										-700									
-750										-750									
-800										-800									
-850										-850									
-900										-900									
-950										-950									
-1000										-1000									
-1050										-1050									
-1100										-1100									
-1150										-1150									
-1200										-1200									

Document Number: Z00945.FS1

For External Distribution

Reviewed by: Stefan Neissner, 2 March 2018

Page 2 of 3

PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.74 UVProtect DuraVision Platinum

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) 75 mm Minus Range (Sphere Geometry) in 1.530 Index									
Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (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 (mm)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (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

Document Number: Z00945.FS1
For External Distribution

Reviewed by: Stefan Neissner, 2 March 2018
Page 3 of 3

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.67 UVProtect DuraVision Platinum UV

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	CAT Codes
21318	R1271	ZEISS FSV AS 167 DVP 65+ UBJ	Country of origin on Envelope	Yes	No	C82
	R1281	ZEISS FSV AS 167 DVP 70+ UBJ				C81
	R1282	ZEISS FSV AS 167 DVP 70X UBJ				C84
	R1283	ZEISS FSV AS 167 DVP 70- UBJ				C83
	R1293	ZEISS FSV AS 167 DVP 75- UBJ				

2. Product Features:

Type	Organic 1.67 ZEISS Light Protection
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	DuraVision Platinum UV
Coating Appearance	Blue 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: Z00952.FS1

For External Distribution

Reviewed by: Stefan Neissner, 08 Mar 2018

Page 1 of 4

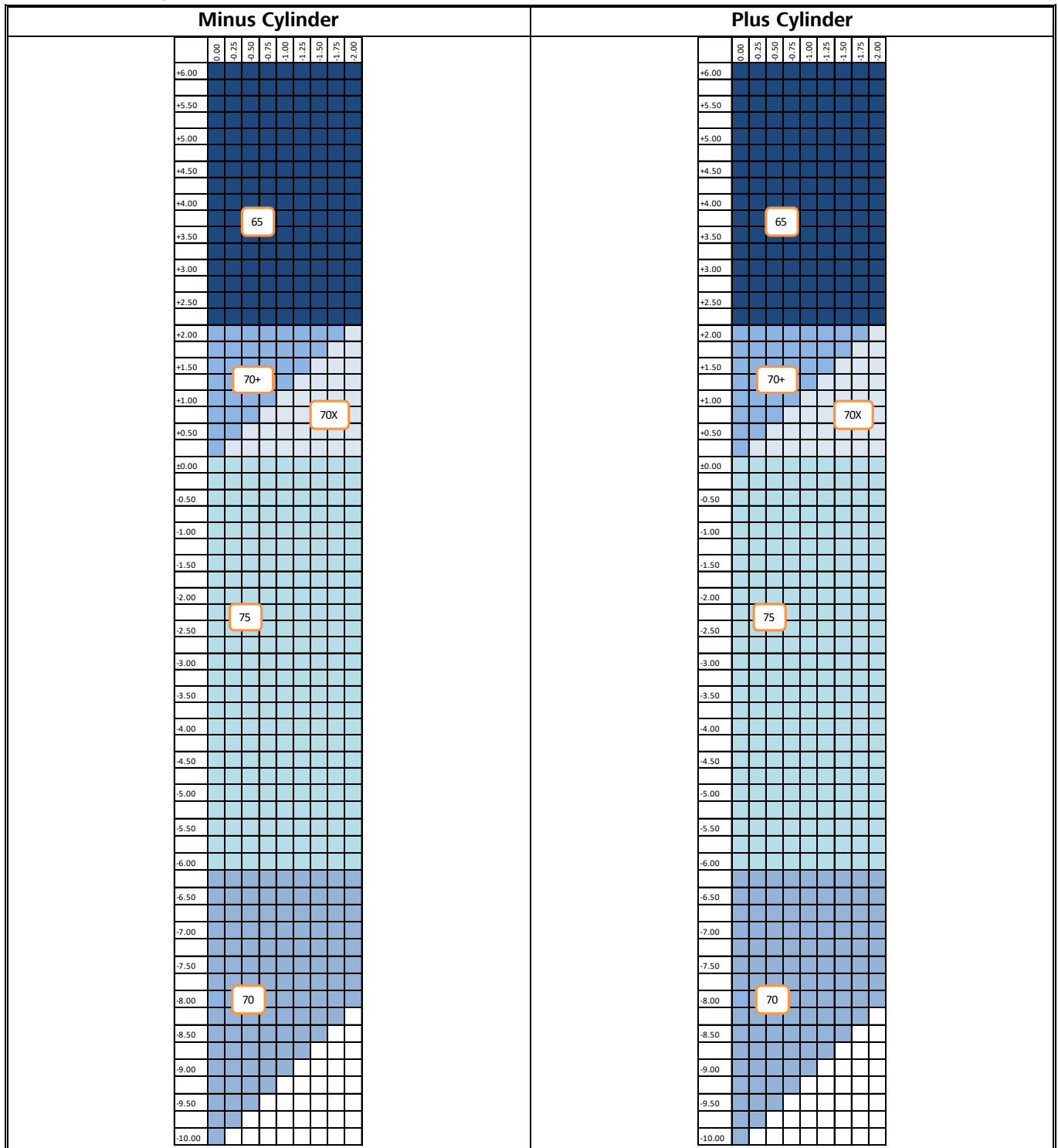
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.67 UVProtect DuraVision Platinum UV

5. Product Range:



Document Number: Z00952.FS1
For External Distribution

Reviewed by: Stefan Neissner, 08 Mar 2018
Page 2 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.67 UVProtect DuraVision Platinum UV

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) (±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

(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) (±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

Document Number: Z00952.FS1

For External Distribution

Reviewed by: Stefan Neissner, 08 Mar 2018

Page 3 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.67 UVProtect DuraVision Platinum UV

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) (±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	1.20	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) (±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	1.20	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: Z00952.FS1

For External Distribution

Reviewed by: Stefan Neissner, 08 Mar 2018

Page 4 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.67 UVProtect DuraVision BlueProtect UV

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	CAT Codes
21319	R1301	ZEISS FSV AS 167 DVBP 65+ UBJ	Country of origin on Envelope	Yes	No	C86
	R1311	ZEISS FSV AS 167 DVBP 70+ UBJ				C85
	R1312	ZEISS FSV AS 167 DVBP 70X UBJ				C88
	R1313	ZEISS FSV AS 167 DVBP 70- UBJ				C87
	R1323	ZEISS FSV AS 167 DVBP 75- UBJ				

2. Product Features:

Type	Organic 1.67 ZEISS Light Protection
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	DuraVision BlueProtect UV
Coating Appearance	Blue 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: Z00953.FS1

For External Distribution

Reviewed by: Stefan Neissner, 2 March 2018

Page 1 of 4

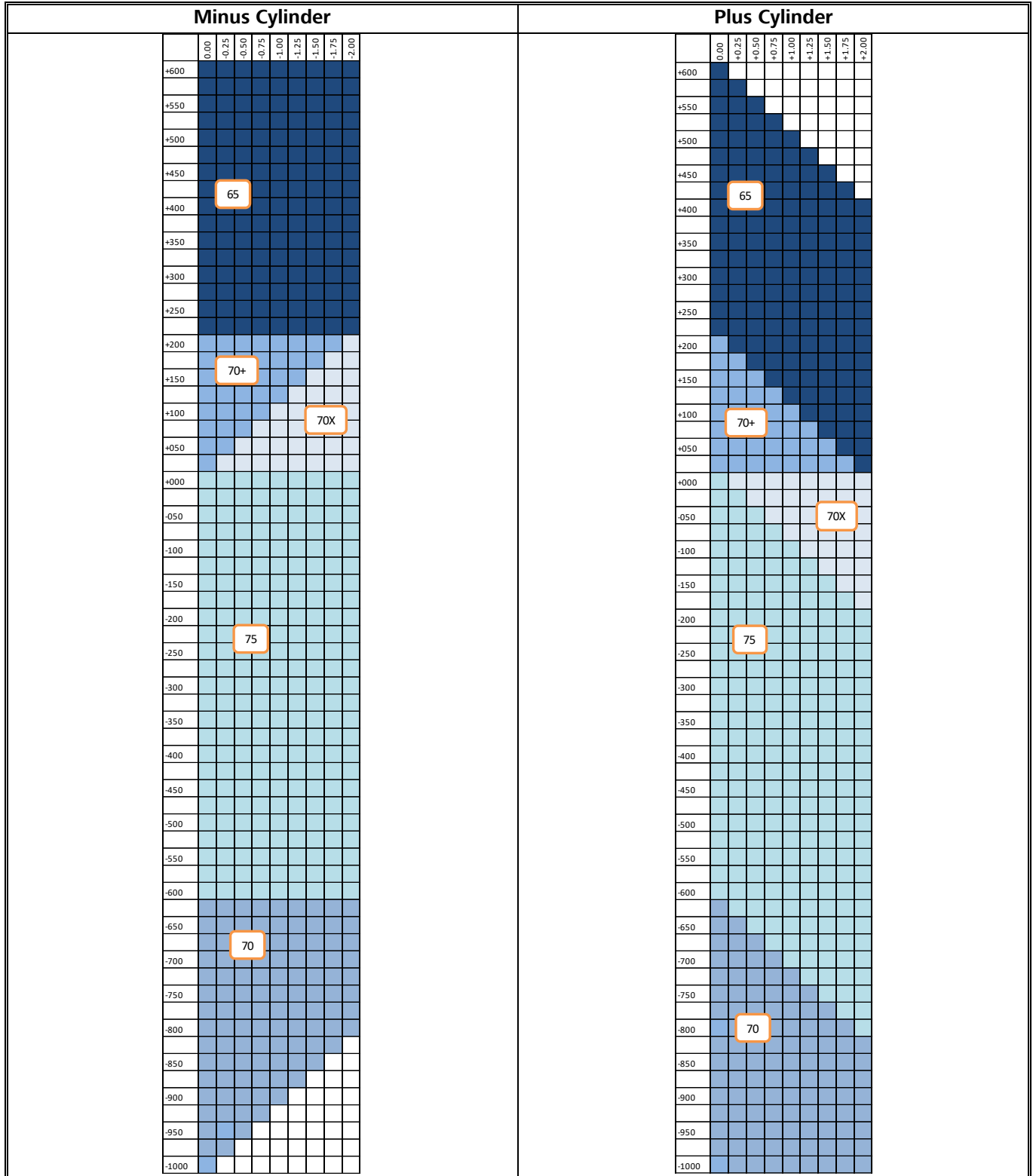
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.67 UVProtect DuraVision BlueProtect UV

5. Product Range:



Document Number: Z00953.FS1

Reviewed by: Stefan Neissner, 2 March 2018

For External Distribution

Page 2 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.67 UVProtect DuraVision BlueProtect UV

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) (±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

(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) (±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

(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) (±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	1.20	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

Document Number: Z00953.FS1

Reviewed by: Stefan Neissner, 2 March 2018

For External Distribution

Page 3 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.67 UVProtect DuraVision BlueProtect UV

(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) (± 0.20)	Power (D)	Front Curve (D)	Back Curve (D)	Centre Thickness (mm) (± 0.20)	Edge Thickness (mm) (± 0.20)
-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) (± 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	1.20	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: Z00953.FS1

Reviewed by: Stefan Neissner, 2 March 2018

For External Distribution

Page 4 of 4

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

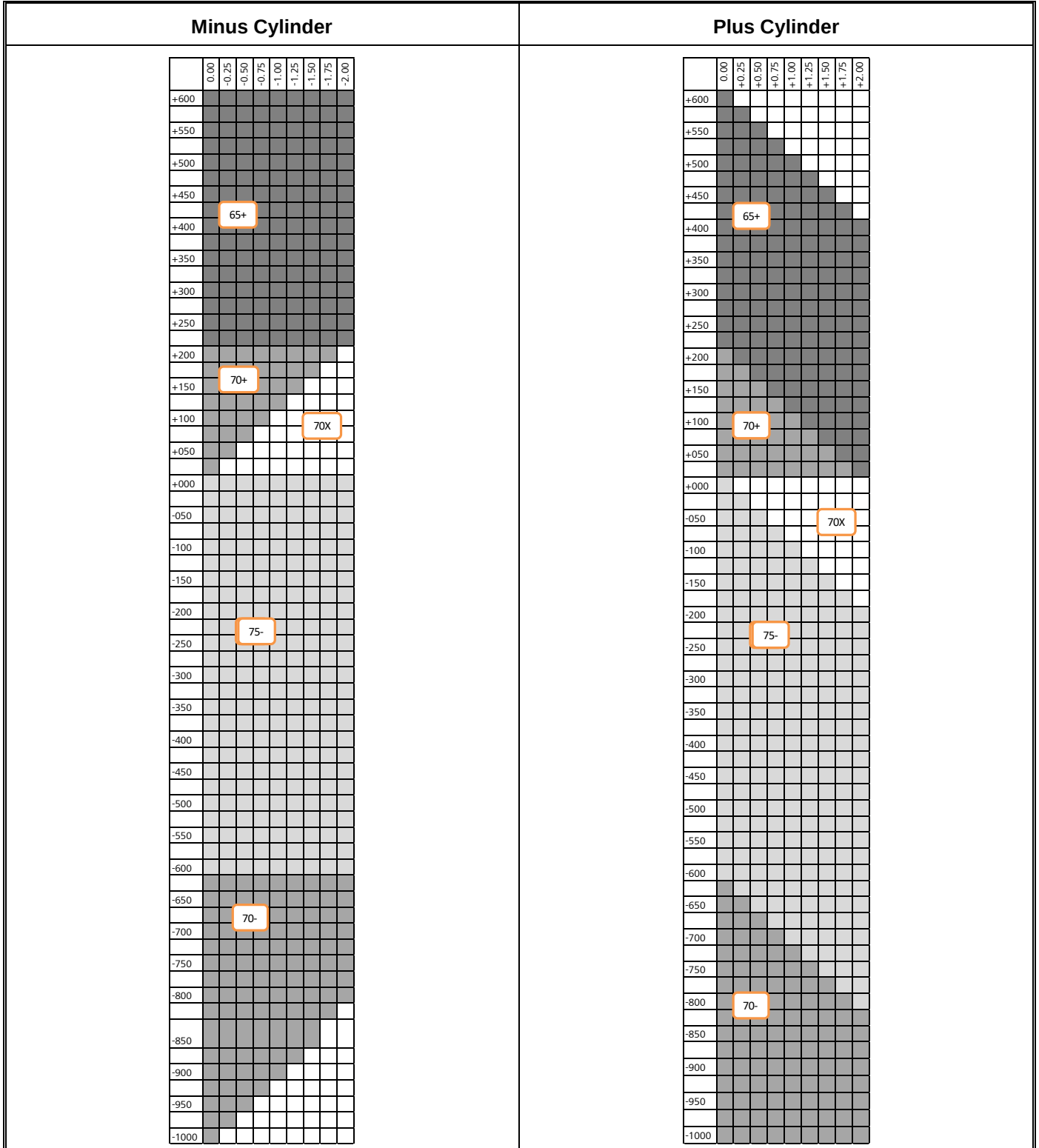
PRODUCT FACT SHEET



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

Page 2 of 4

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

Page 3 of 4

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

Page 4 of 4

PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.67 HC [USA]

1. Customer Product Codes

CAT code	LGC	LGC Description	Notes	FDA
G61	S6551	SYNC FSV AS 167 HC 65+ -B-	Country of origin on Label	Yes
G60	S6561	SYNC FSV AS 167 HC 70+ -B-		
	S6562	SYNC FSV AS 167 HC 70X -B-		
G63	S6563	SYNC FSV AS 167 HC 70- -B-		
G62	S6573	SYNC FSV AS 167 HC 75- -B-		

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	Hard Coat

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: 00521.FS1	Reviewed by: Geoff Riley, 16 Sep 2016
For External Distribution	Page 1 of 4

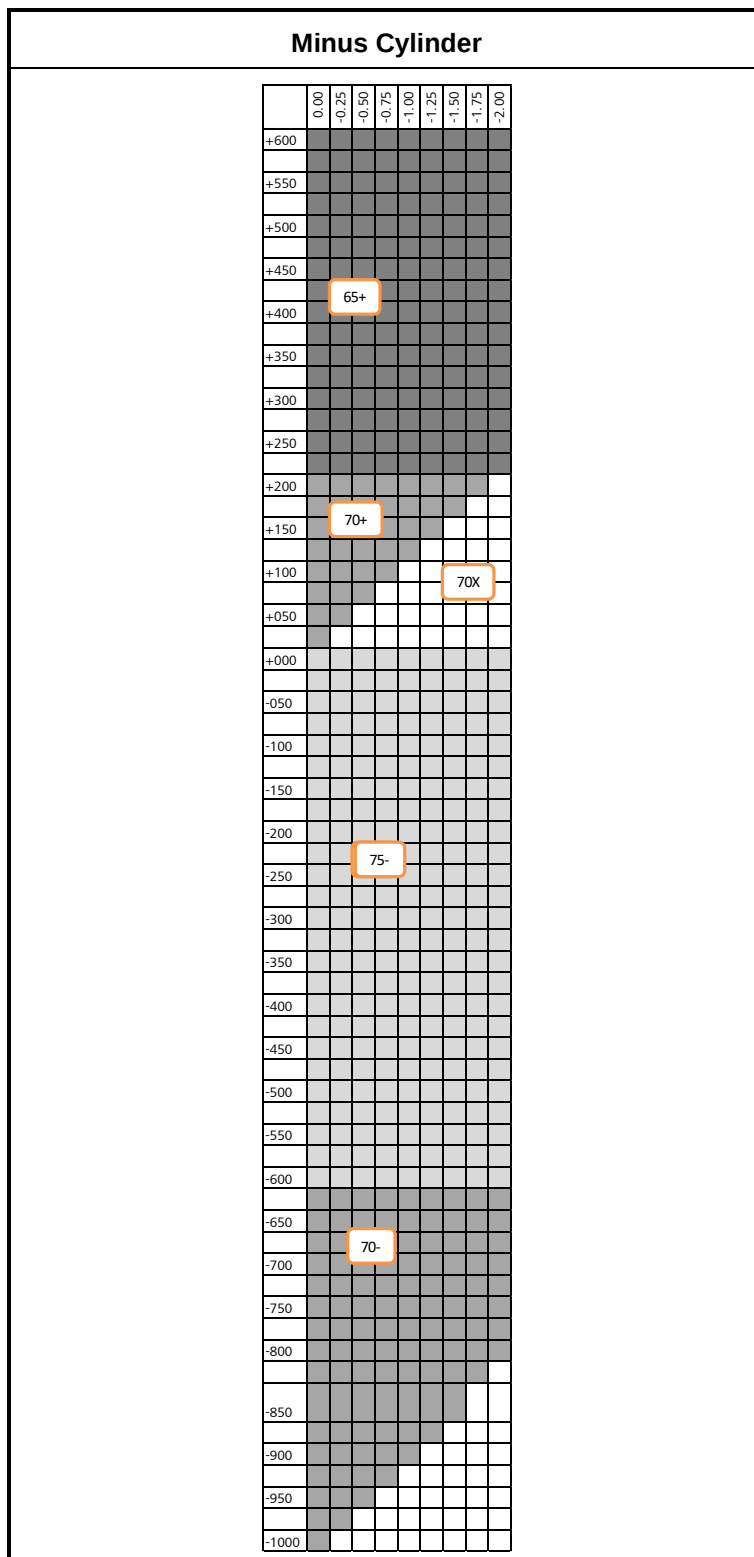
PRODUCT FACT SHEET



Product Name

synchrony Finished SV AS 1.67 HC [USA]

5. Product Range:



Document Number: 00521.FS1

For External Distribution

Reviewed by: Geoff Riley, 16 Sep 2016

Page 2 of 4

PRODUCT FACT SHEET



Product Name

synchrony Finished SV AS 1.67 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 1.0mm

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: 00521.FS1

For External Distribution

Reviewed by: Geoff Riley, 16 Sep 2016

Page 3 of 4

PRODUCT FACT SHEET



Product Name

synchrony Finished SV AS 1.67 HC [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: 00521.FS1

For External Distribution

Reviewed by: Geoff Riley, 16 Sep 2016

Page 4 of 4

PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 UVProtect DuraVision Platinum UV

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	Cat Code
21506	R1371	ZEISS FSV AS 159 DVP 65+ U-J	Country of origin on Envelope	Yes	No	D87
	R1372	ZEISS FSV AS 159 DVP 65X U-J				
	R1383	ZEISS FSV AS 159 DVP 75- U-J				D88

2. Material & Coating Specifications:

Type	1.59
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 % 2.0 mm Centre Thickness
Coating Type	DuraVision Platinum UV
Coating Appearance	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: None

Document Number: Z00946.FS1	Reviewed by: Monika Anselm, 16 Feb 2018
For External Distribution	Page 1 of 3

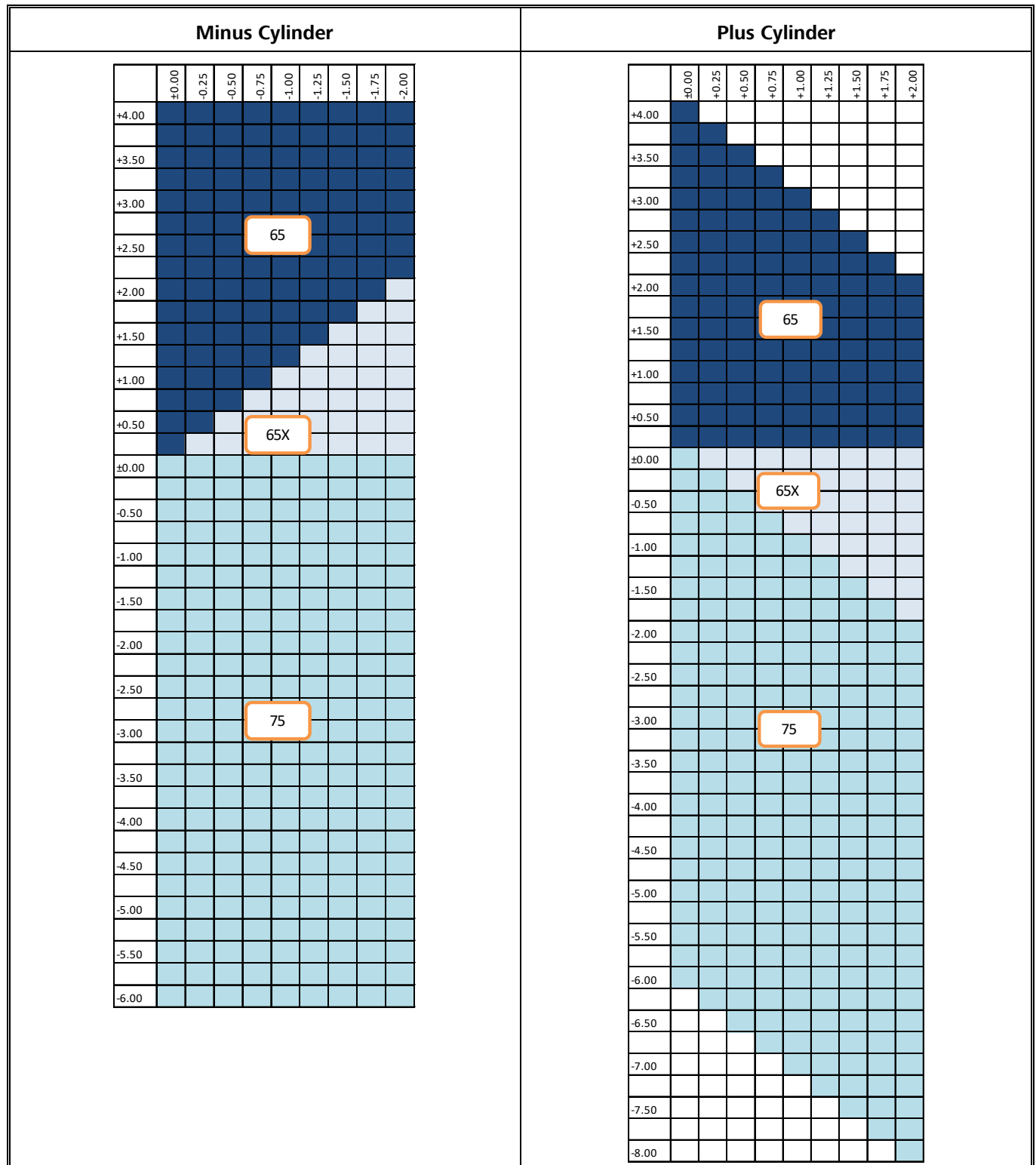
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision Platinum UV

5. Product Range:



Document Number: Z00946.FS1
For External Distribution

Reviewed by: Monika Anselm, 16 Feb 2018
Page 2 of 3

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision Platinum UV

6. Lens Geometry:

Theoretical based on Front curve and CT provided by Vision ease:

(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: Z00946.FS1

For External Distribution

Reviewed by: Monika Anselm, 16 Feb 2018

Page 3 of 3

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision Silver UV

1. Customer Product Codes

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	Cat Code
21505	R1351	ZEISS FSV AS 159 DVS 65+ U-J	Country of origin on Envelope	Yes	No	D89
	R1352	ZEISS FSV AS 159 DVS 65X U-J				
	R1363	ZEISS FSV AS 159 DVS 75- U-J				D90

2. Material & Coating Specifications:

Type	Polycarbonate 1.59 ZEISS Light Protection
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	DuraVision Silver UV
Coating Appearance	Front Side: 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: None

Document Number: Z00948.FS1

For External Distribution

Reviewed by: Monika Anselm, 21 Feb 2018

Page 1 of 3

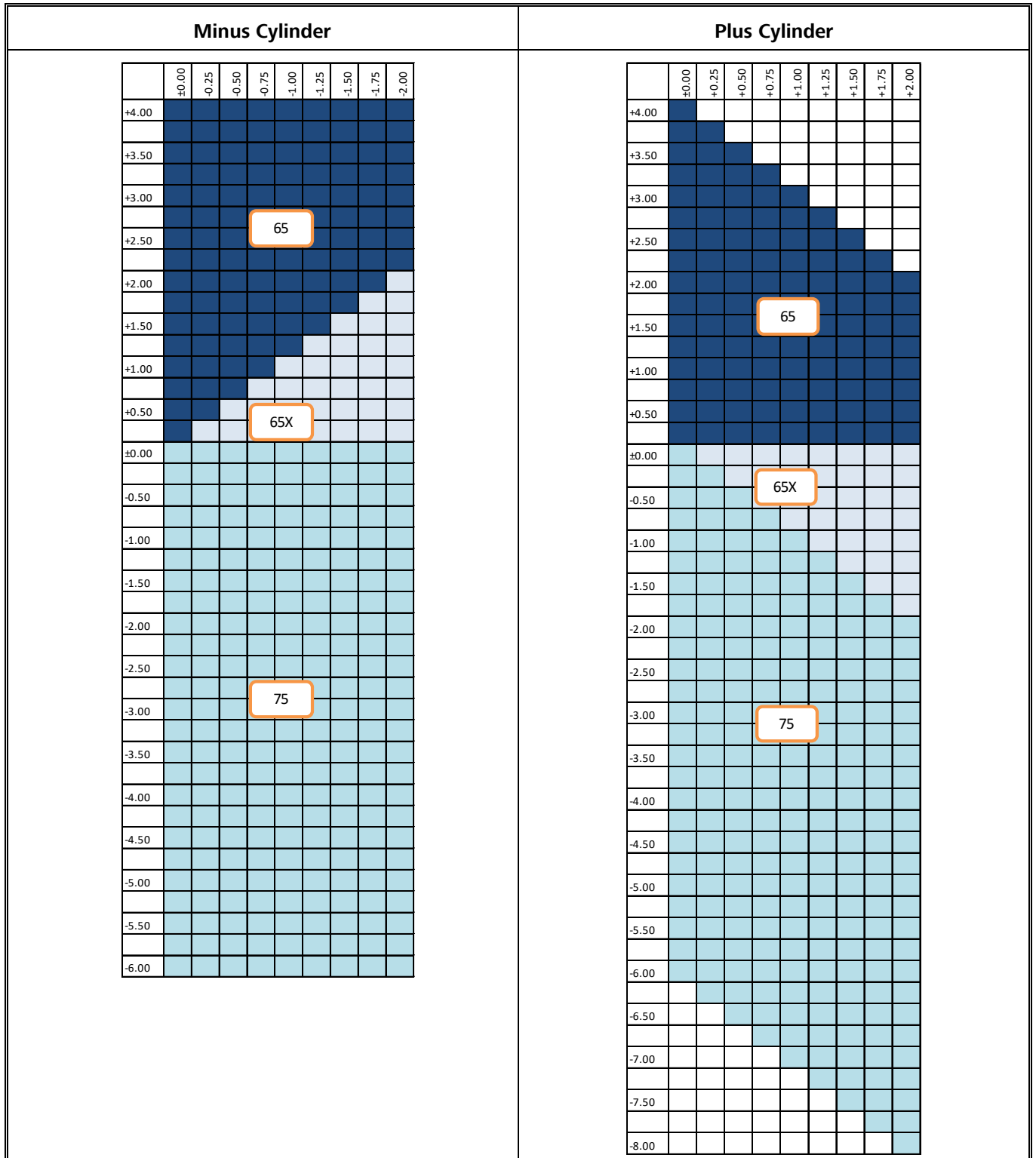
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision Silver UV

5. Product Range:



Document Number: Z00948.FS1

For External Distribution

Reviewed by: Monika Anselm, 21 Feb 2018

Page 2 of 3

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision Silver UV

6. Lens Geometry:

Theoretical based on Front curve and CT provided by Vision ease:

(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: Z00948.FS1

Reviewed by: Monika Anselm, 21 Feb 2018

For External Distribution

Page 3 of 3

PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 UVProtect DuraVision BlueProtect UV

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	Cat Code
21508	R1391	ZEISS FSV AS 159 DVBP 65+ U-J	Country of origin on Envelope	Yes	No	D85
	R1392	ZEISS FSV AS 159 DVBP 65X U-J				
	R1403	ZEISS FSV AS 159 DVBP 75- U-J				D86

2. Material & Coating Specifications:

Type	1.59
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	DuraVision BlueProtect UV
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: None

Document Number: Z00947.FS1
For External Distribution

Reviewed by: Monika Anselm, 16 Feb 20182018
Page 1 of 3

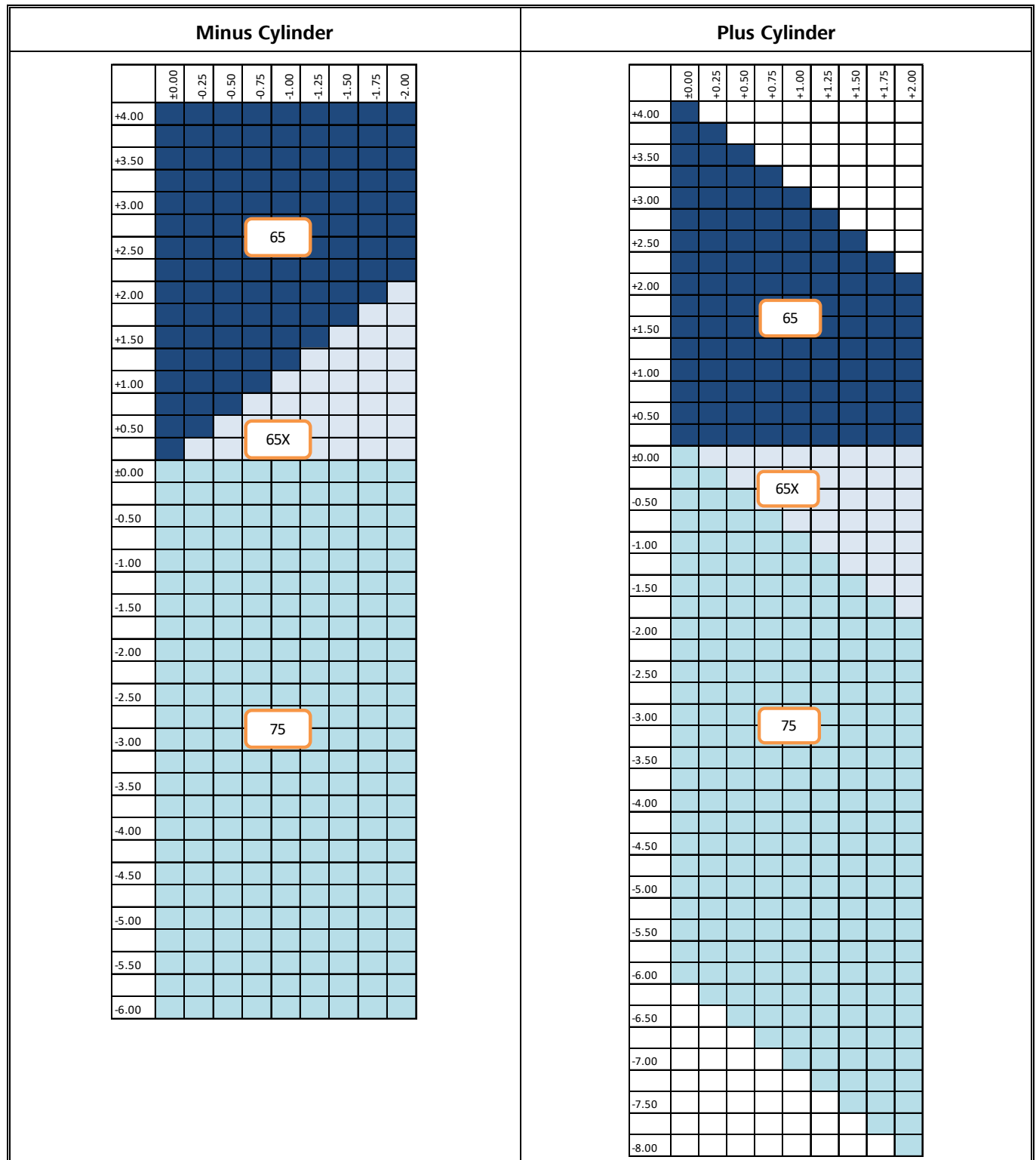
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision BlueProtect UV

5. Product Range:



Document Number: Z00947.FS1

For External Distribution

Reviewed by: Monika Anselm, 16 Feb 20182018

Page 2 of 3

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision BlueProtect UV

6. Lens Geometry:

Theoretical based on Front curve and CT provided by Vision ease:

(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: Z00947.FS1

Reviewed by: Monika Anselm, 16 Feb 20182018

For External Distribution

Page 3 of 3

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision Chrome UV

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	Cat Code
21507	R1411	ZEISS FSV AS 159 DVC 65+ U-J	Country of origin on Envelope	Yes	No	D91
	R1412	ZEISS FSV AS 159 DVC 65X U-J				
	R1423	ZEISS FSV AS 159 DVC 75- U-J				D92

2. Material & Coating Specifications:

Type	1.59
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	DuraVision Chrome UV
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: Z00949.FS1

For External Distribution

Reviewed by: Monika Anselm, 13.02.2018

Page 1 of 3

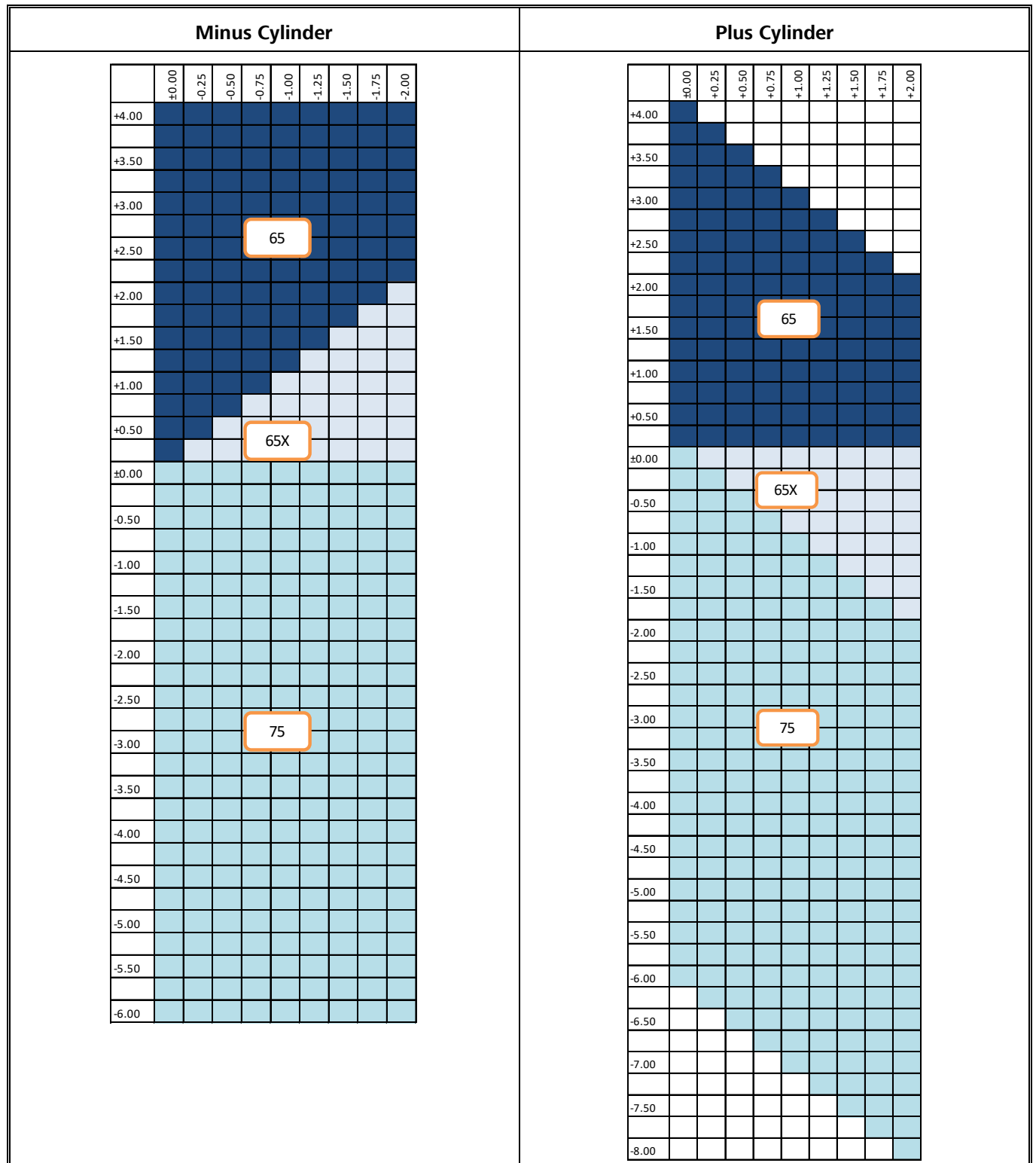
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision Chrome UV

5. Product Range:



Document Number: Z0949.FS1

For External Distribution

Reviewed by: Monika Anselm, 13.02.2018

Page 2 of 3

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision Chrome UV

6. Lens Geometry:

Theoretical based on Front curve and CT provided by Vision ease:

(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: Z00949.FS1

For External Distribution

Reviewed by: Monika Anselm, 13.02.2018

Page 3 of 3

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
For External Distribution	Page 1 of 3

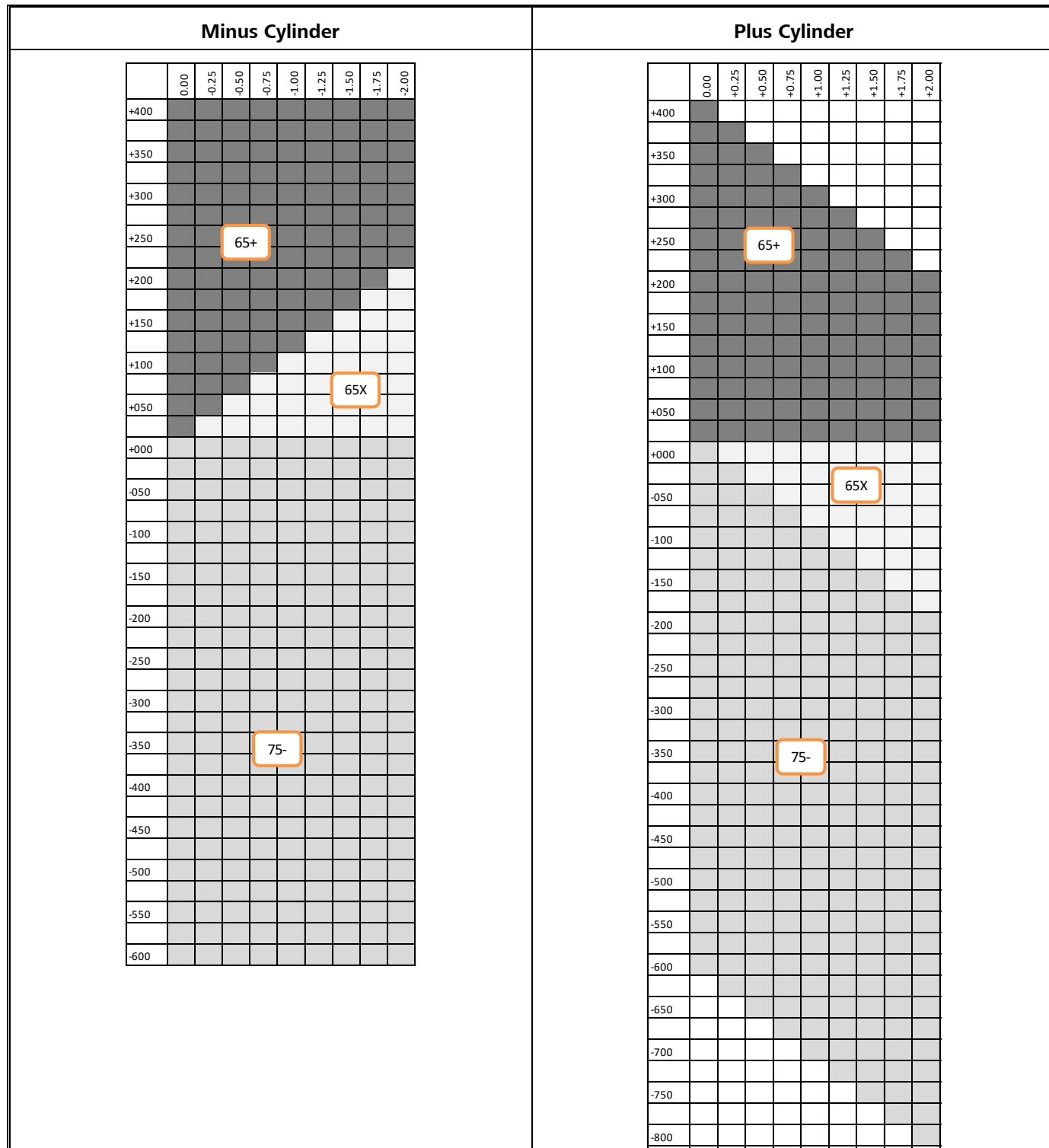
PRODUCT FACT SHEET



Product Name

synchrony Finished SV AS 1.59 HMCX

5. Product Range:



Document Number: 00520.FS1

For External Distribution

Reviewed by: Geoff Riley, 21 Mar 2016

Page 2 of 3

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

For External Distribution

Reviewed by: Geoff Riley, 21 Mar 2016

Page 3 of 3

PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.59 HMC+

1. Customer Product Codes

EDI	CAT Code	LGC	LGC Description	Notes	FDA
7503	V07	T3791	SYNC FSV SPH 159 HMC+ 65+ ---	Country of Origin required on Label	Yes
		T3792	SYNC FSV SPH 159 HMC+ 65X ---		
	V08	T3803	SYNC FSV SPH 159 HMC+ 75- ---		

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	HMC+ Multi Coated
Appearance	Green residual reflection colour

3. Design:

Power Range	Design	Diameter
+4.00 to +0.25	Spherical	65 mm
0.00 to -8.00	Spherical	75 mm

4. Product Markings: None

Document Number: 00498.FS1	Reviewed by: Geoff Riley, 31 Mar 2016
For External Distribution	Page 1 of 3

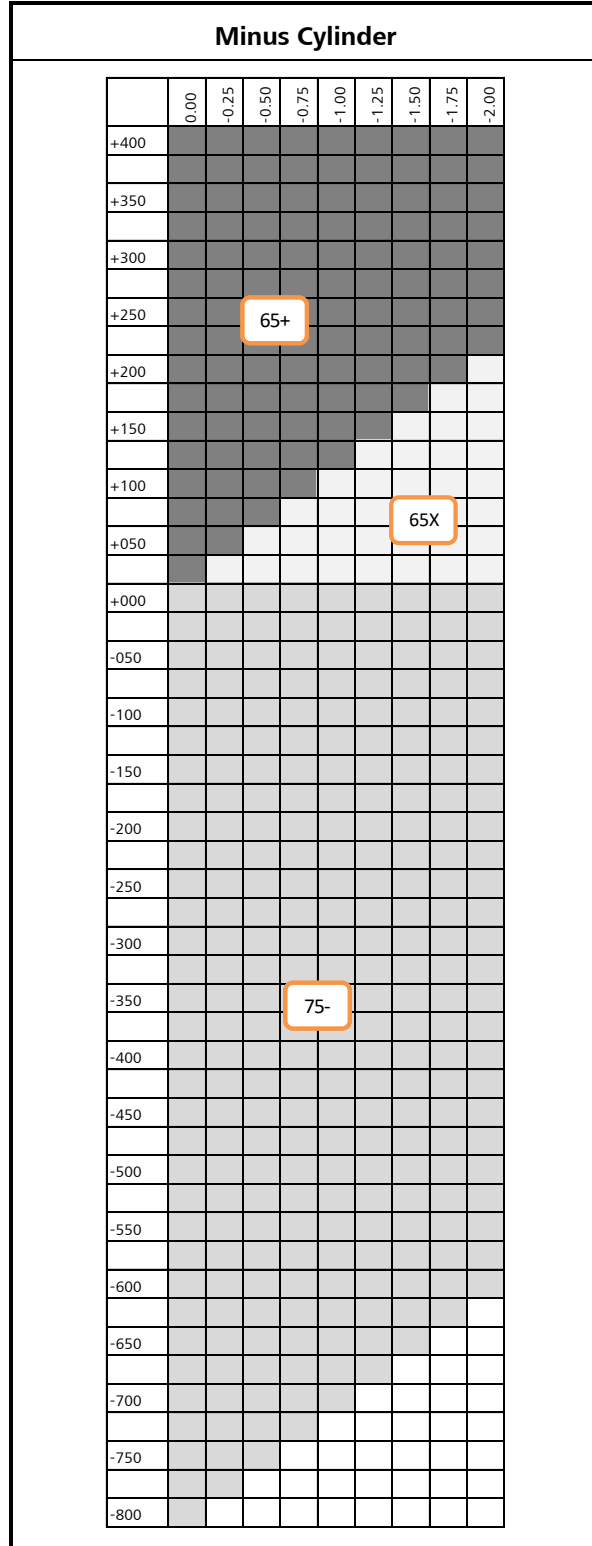
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.59 HMC+

5. Product Range:



6. Lens Geometry:

Document Number: 00498.FS1

For External Distribution

Reviewed by: Geoff Riley, 31 Mar 2016

Page 2 of 3

PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.59 HMC+

- 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)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm)	Edge Thickness (mm) Nominal
+4.00	6.33	-2.86	4.9	1.21	+2.00	5.20	-3.45	3.0	1.16
+3.75	6.33	-3.08	4.7	1.23	+1.75	5.20	-3.67	2.8	1.19
+3.50	6.33	-3.30	4.5	1.25	+1.50	5.20	-3.89	2.6	1.22
+3.25	6.33	-3.51	4.2	1.18	+1.25	5.20	-4.11	2.4	1.25
+3.00	6.33	-3.73	4.0	1.21	+1.00	5.20	-4.34	2.1	1.18
+2.75	6.33	-3.95	3.8	1.24	+0.75	5.20	-4.56	1.9	1.22
+2.50	6.33	-3.01	3.5	1.21	+0.50	5.20	-4.78	1.9	1.45
+2.25	5.20	-3.23	3.3	1.23	+0.25	5.20	-5.01	1.8	1.6

(Nominal Values) 75 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	4.07	-4.09	1.8	1.84	-4.25	2.03	-5.88	1.3	6.76
-0.25	4.07	-4.31	1.6	1.95	-4.50	2.03	-6.10	1.3	7.11
-0.50	4.07	-4.54	1.5	2.18	-4.75	2.03	-6.33	1.3	7.46
-0.75	4.07	-4.77	1.5	2.50	-5.00	1.13	-5.75	1.3	7.62
-1.00	2.94	-3.85	1.5	2.77	-5.25	1.13	-5.87	1.3	7.97
-1.25	2.94	-4.08	1.5	3.09	-5.50	1.13	-6.10	1.3	8.31
-1.50	2.94	-4.31	1.5	3.41	-5.75	1.13	-6.32	1.3	8.66
-1.75	2.94	-4.53	1.4	3.64	-6.00	1.13	-6.55	1.3	9.02
-2.00	2.94	-4.76	1.4	3.97	-6.25	1.13	-6.77	1.3	9.38
-2.25	2.94	-4.98	1.4	4.29	-6.50	1.13	-7.00	1.3	9.74
-2.50	2.94	-5.21	1.4	4.62	-6.75	1.13	-7.22	1.3	10.11
-2.75	2.94	-5.44	1.4	4.96	-7.00	0.45	-6.77	1.3	10.27
-3.00	2.03	-4.75	1.4	5.18	-7.25	0.45	-6.99	1.3	10.63
-3.25	2.03	-4.97	1.3	5.41	-7.50	0.45	-7.22	1.3	11.00
-3.50	2.03	-5.20	1.3	5.74	-7.75	0.45	-7.44	1.3	11.37
-3.75	2.03	-5.42	1.3	6.08	-8.00	0.45	-7.66	1.3	11.76
-4.00	2.03	-5.65	1.3	6.42					

Document Number: 00498.FS1

For External Distribution

Reviewed by: Geoff Riley, 31 Mar 2016

Page 3 of 3

PRODUCT FACT SHEET

Product Name synchrony Finished SV AS 1.59 Photochromic HMC+

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

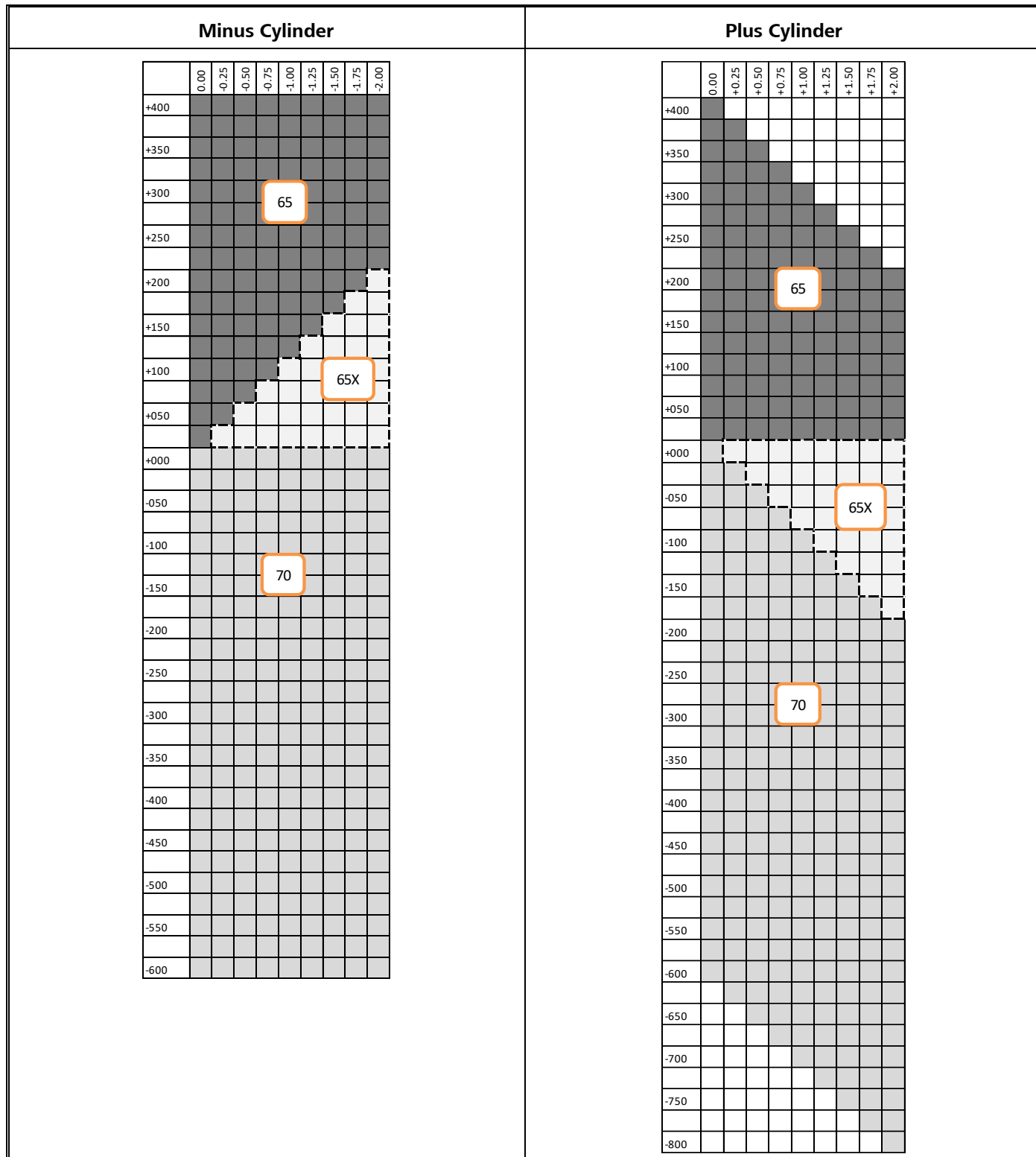
Document Number: 00605.FS2	Reviewed by: Geoff Riley, 24 Jan 2017
For External Distribution	Page 1 of 3

PRODUCT FACT SHEET

Product Name

synchrony Finished SV AS 1.59 Photochromic HMC+

5. Product Range:



Document Number: 00605.FS2

For External Distribution

Reviewed by: Geoff Riley, 24 Jan 2017

Page 2 of 3

PRODUCT FACT SHEET

Product Name synchrony Finished SV AS 1.59 Photochromic HMC+

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: 00605.FS2

For External Distribution

Reviewed by: Geoff Riley, 24 Jan 2017

Page 3 of 3

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

For External Distribution

Reviewed by: Geoff Riley, 07 Oct 2016

Page 1 of 3

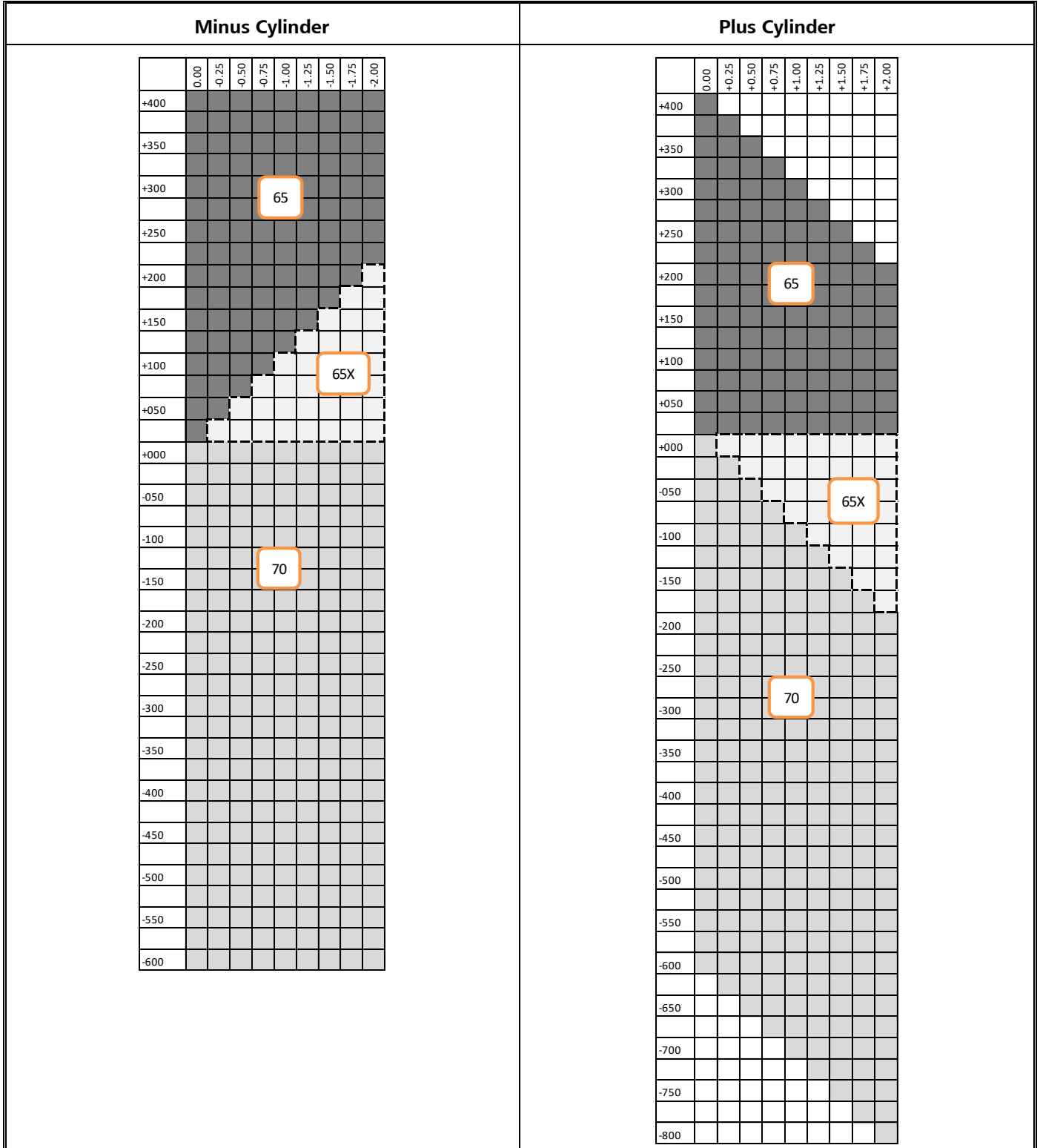
PRODUCT FACT SHEET



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

Page 2 of 3

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

For External Distribution

Reviewed by: Geoff Riley, 07 Oct 2016

Page 3 of 3

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect HART

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	Cat Code
21504	R2061	ZEISS FSV AS 159 HA 65+ U-J	Country of origin on Envelope	Yes	No	A18
	R2062	ZEISS FSV AS 159 HA 65X U-J				
	R2073	ZEISS FSV AS 159 HA 75- U-J				A19

2. Material & Coating Specifications:

Type	Polycarbonate 1.59 ZEISS Light Protection
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	HART non tintable

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: Z00955.FS1

For External Distribution

Reviewed by: Monika Anselm, 19 Feb 2018

Page 1 of 3

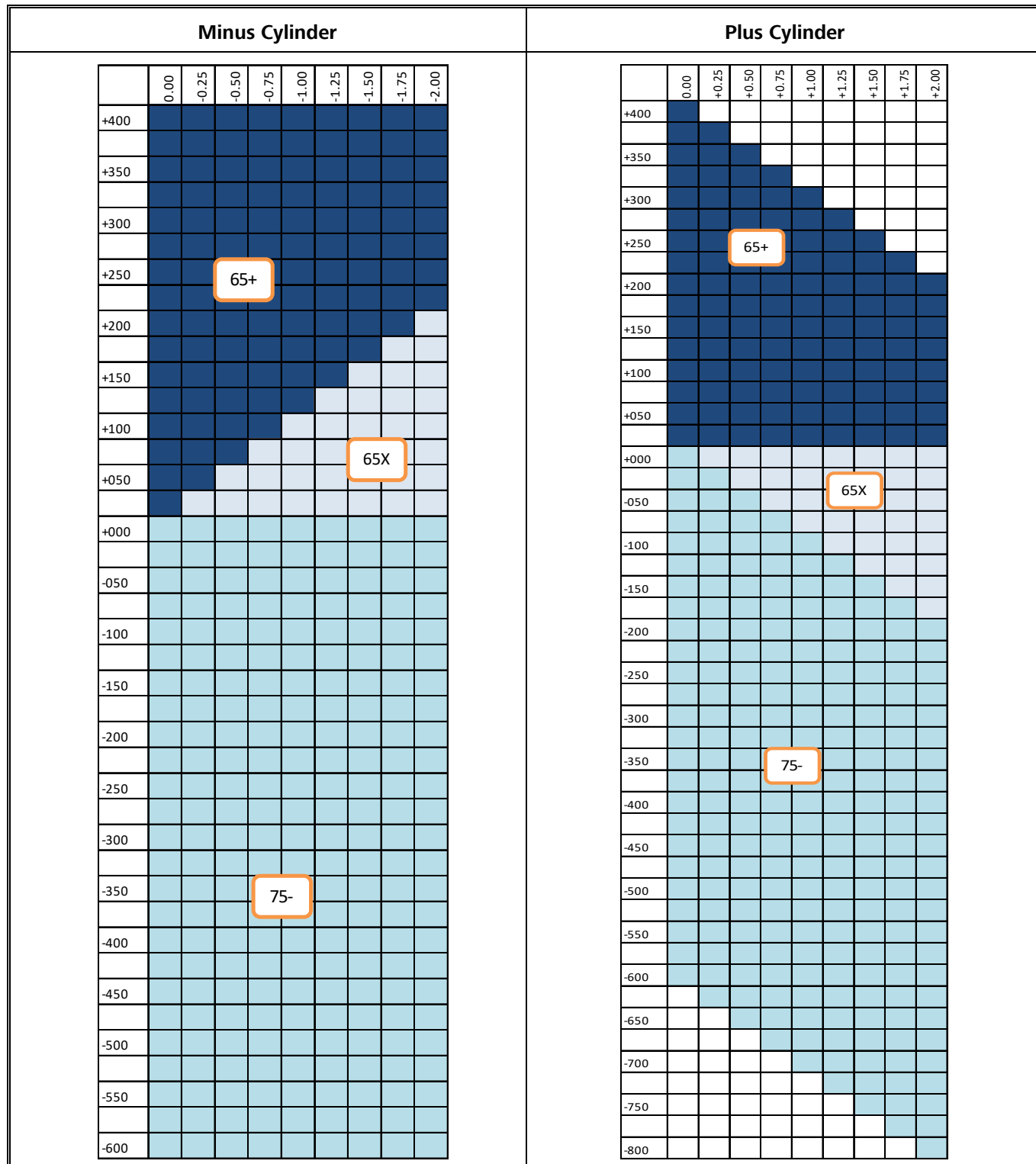
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect HART

5. Product Range:



Document Number: Z00955.FS1

For External Distribution

Reviewed by: Monika Anselm, 19 Feb 2018

Page 2 of 3

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect HART

6. Lens Geometry:

Theoretical based on Front curve and CT provided by Vision ease:

(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: Z00955.FS1

For External Distribution

Reviewed by: Monika Anselm, 19 Feb 2018

Page 3 of 3



PRODUCT FACT SHEET

Substrate	:	POLYCARBONATE GENERIC HARD COAT - TINTABLE		
Product Name	:	ASPHERIC 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

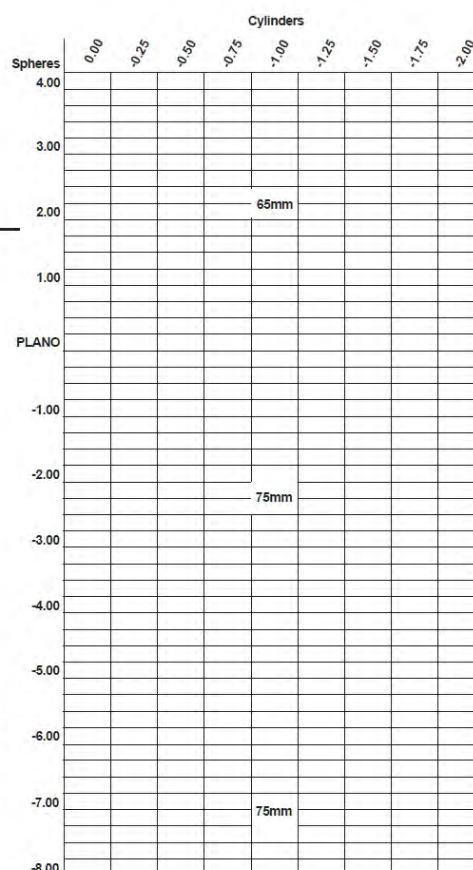
- CYL										- CYL									
-SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00	+SPH	0.00	0.25	0.50	0.75	1.00	1.25	1.50	1.75	2.00
0.00																			
0.25										0.25									
0.50										0.50									
0.75										0.75									
1.00										1.00									
1.25										1.25									
1.50										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									
4.25																			
4.50																			
4.75																			
5.00																			
5.25																			
5.50																			
5.75																			
6.00																			
6.25																			
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



PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.59 HC+

1. Customer Product Codes

EDI	CAT Code	LGC	LGC Description	Notes	FDA
11007	V17	T3891	SYNC FSV AS 159 HC 65+ ---	Country of Origin required on Label	Yes
		T3892	SYNC FSV AS 159 HC 65X ---		
	V18	T3903	SYNC FSV AS 159 HC 75- ---		

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	HC+ Hard Coated

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: 00495.FS1
For External Distribution

Reviewed by: Geoff Riley, 31 Mar 2016
Page 1 of 3

PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.59 HC+

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									

Document Number: 00495.FS1

For External Distribution

Reviewed by: Geoff Riley, 31 Mar 2016

Page 2 of 3

PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.59 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
- 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)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm)	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)	Edge Thickness (mm) Nominal	Power (D)	Front Curve (D)	Back Curve (D) Nominal	Centre Thickness (mm)	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: 00495.FS1

For External Distribution

Reviewed by: Geoff Riley, 31 Mar 2016

Page 3 of 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																			
4.50																			
4.75																			
5.00																			
5.25																			
5.50																			
5.75																			
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

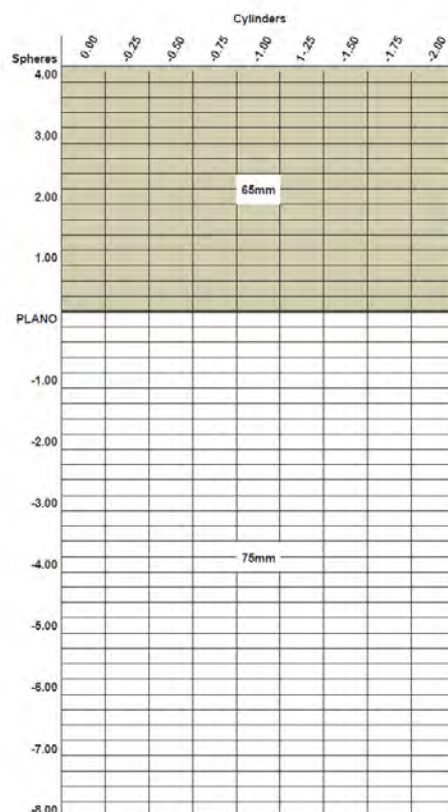
Zeiss Spherical FSV

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**

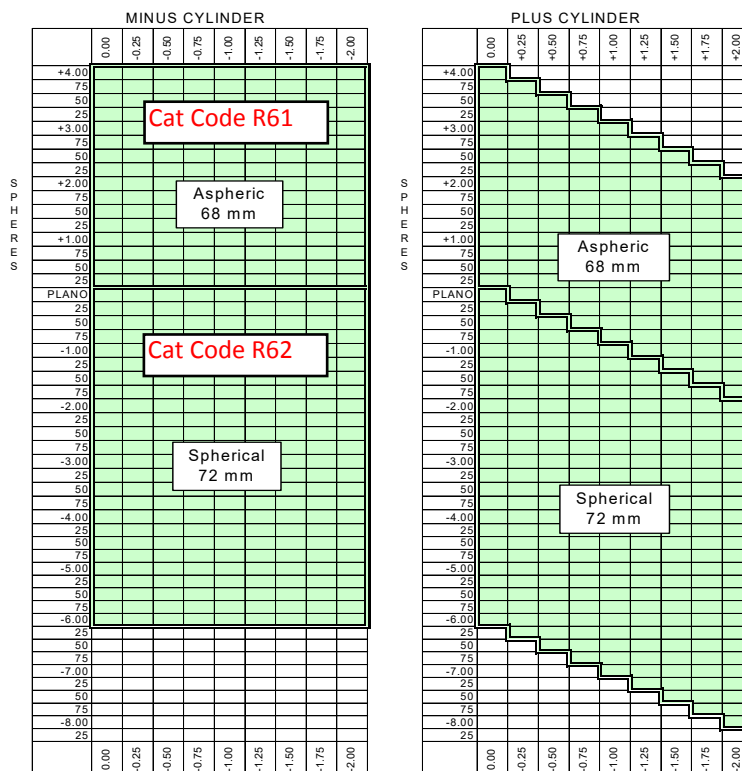
Date : 28 Feb 2003

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 :



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	Ultra-Tough™ UTMC™	

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.FS3		
Date	:	24 Oct 2013	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.FS3					
Date	:	24 Oct 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																			
3.50																			
3.75																			
4.00																			
4.25																			
4.50																			
4.75																			
5.00																			
5.25																			
5.50																			
5.75																			
6.00																			

Reference	:	00372.FS3			
Date	:	24 Oct 2013	Page	:	3 of 3

Lens Geometry:

High Impact Safety 2.0mm CT

70mm / 75mm Finished Single Vision

Sphere Power Up to -2.00 cyl	Base Curve	Curve Radius	Center Thickness
+3.00	6.44	82.298	5.35
+2.75	6.24	84.936	5.09
+2.50	6.01	88.186	4.78
+2.25	5.80	91.379	4.51
+2.00	5.59	94.812	4.24
+1.75	6.26	84.665	3.97
+1.50	6.04	87.748	3.68
+1.25	5.82	91.065	3.39
+1.00	5.60	94.643	3.10
+0.75	5.38	98.513	2.81
+0.50	5.16	102.713	2.52
+0.25	4.93	107.505	2.23
Plano	5.82	91.065	2.1
-0.25	5.60	94.643	2.1
-0.50	5.38	98.513	2.1
-0.75	5.16	102.713	2.1
-1.00	4.93	107.505	2.1
-1.25	4.71	112.527	2.1
-1.50	4.49	118.040	2.1
-1.75	4.71	112.527	2.1
-2.00	4.49	118.040	2.1
-2.25	4.27	124.122	2.1
-2.50	4.04	131.188	2.1
-2.75	3.82	138.743	2.1
-3.00	3.60	147.222	2.1
-3.25	3.82	138.743	2.1
-3.50	3.60	147.222	2.1
-3.75	3.37	157.270	2.1
-4.00	3.15	168.254	2.1
-4.25	2.90	182.759	2.1
-4.50	2.67	198.502	2.1
-4.75	2.90	182.759	2.1
-5.00	2.67	198.502	2.1
-5.25	2.45	216.327	2.1
-5.50	2.22	238.739	2.1
-5.75	2.00	265.000	2.1
-6.00	1.77	299.435	2.1



PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.53 UVProtect DuraVision Platinum UV

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	CAT Code:
15277	T8191	ZEISS FSV SPH 153 DVP 65+ U-D	Country of origin on Envelop	Yes	No	D81
	T8192	ZEISS FSV SPH 153 DVP 65X U-D				
	T8203	ZEISS FSV SPH 153 DVP 70- U-D				D82

2. Material & Coating Specifications:

Type	Trivex 1.53
Refractive Index	$n_d = 1.527$ (Helium 'd' line 587.56nm) $n_e = 1.530$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 45$ $v_e = 45$
Density	1.11 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 %
Coating Type	DuraVision Platinum UV
Appearance	Blue residual reflection colour

3. Design:

Power Range	Design	Diameter
+6.00 to +0.25	Spherical	65 mm
0.00 to -8.00	Spherical	70 mm

4. Product Markings: None

Document Number: Z00981.FS1

For External Distribution

Reviewed by: Stefan Neissner, 22 Feb 2018

Page 1 of 3

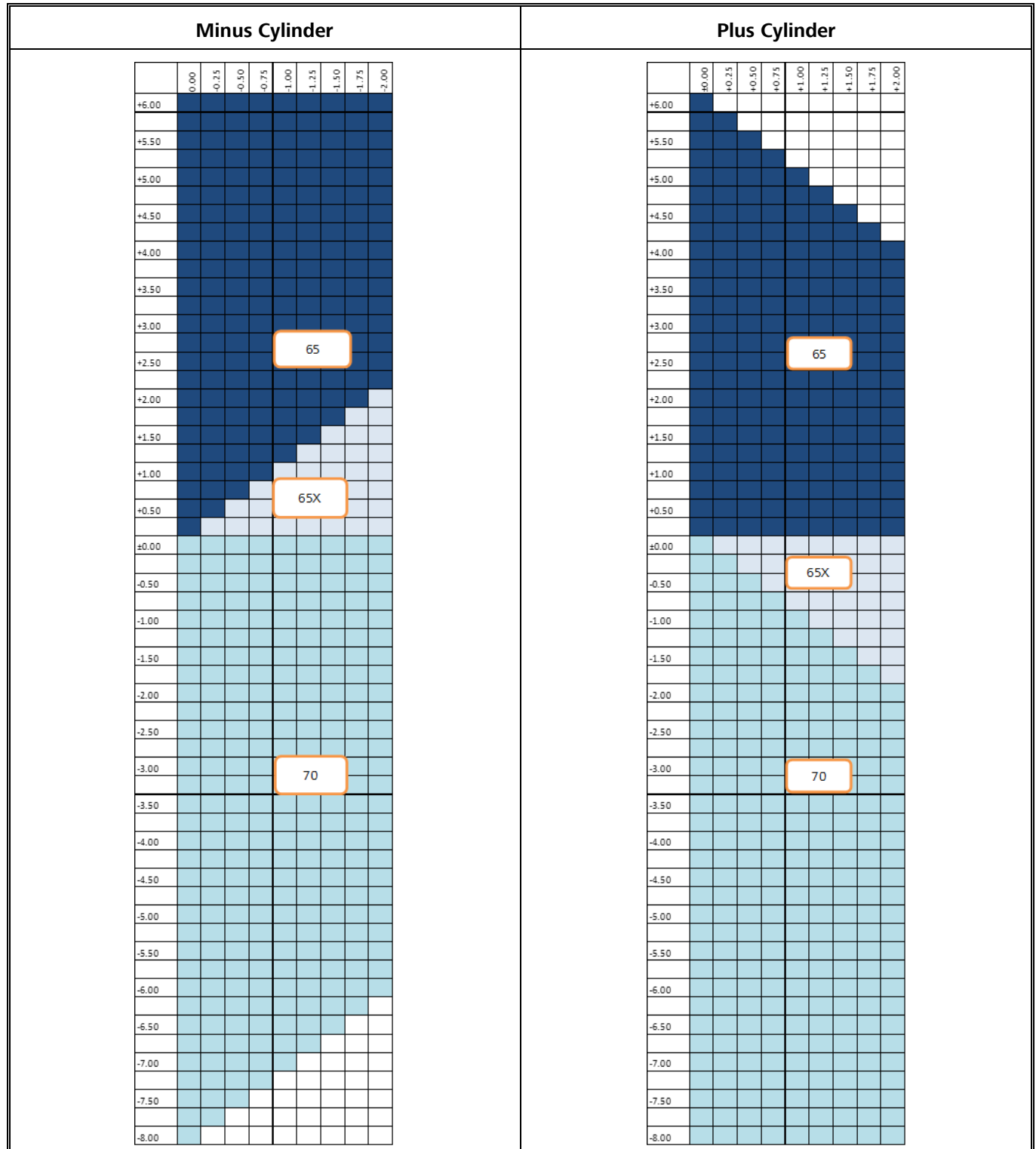
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.53 UVProtect DuraVision Platinum UV

5. Product Range:



Document Number: Z00981.FS1

For External Distribution

Reviewed by: Stefan Neissner, 22 Feb 2018

Page 2 of 3

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.53 UVProtect DuraVision Platinum UV

6. Lens Geometry:

65 mm Plus Range (Sphere Geometry) in 1.530 Index

Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thick-ness (mm)	Nominal Edge Thick-ness (mm)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thick-ness (mm)	Nominal Edge Thick-ness (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 Thick-ness (mm)	Nominal Edge Thick-ness (mm)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thick-ness (mm)	Nominal Edge Thick-ness (mm)
±0.00	4.25	4.25	2.0	2.0	-4.25	1.50	5.75	1.5	6.7
-0.25	4.00	4.25	2.0	2.3	-4.50	1.25	5.75	1.5	7.0
-0.50	3.75	4.25	2.0	2.6	-4.75	1.00	5.75	1.5	7.2
-0.75	3.50	4.25	2.0	2.9	-5.00	1.35	6.35	1.5	7.6
-1.00	3.25	4.25	1.9	3.1	-5.25	1.10	6.35	1.5	7.9
-1.25	3.00	4.25	1.9	3.4	-5.50	0.85	6.35	1.5	8.2
-1.50	3.50	5.00	1.8	3.6	-5.75	0.60	6.35	1.5	8.5
-1.75	3.25	5.00	1.8	3.9	-6.00	0.35	6.35	1.5	8.8
-2.00	3.00	5.00	1.7	4.1	-6.25	0.90	7.15	1.5	9.2
-2.25	2.75	5.00	1.7	4.4	-6.50	0.65	7.15	1.5	9.5
-2.50	2.75	5.25	1.6	4.7	-6.75	0.40	7.15	1.5	9.8
-2.75	2.50	5.25	1.6	5.0	-7.00	0.15	7.15	1.5	10.1
-3.00	2.25	5.25	1.5	5.1	-7.25	0.90	8.15	1.5	10.7
-3.25	2.00	5.25	1.5	5.4	-7.50	0.65	8.15	1.5	11.0
-3.50	1.75	5.25	1.5	5.7	-7.75	0.40	8.15	1.5	11.3
-3.75	2.00	5.75	1.5	6.1	-8.00	0.15	8.15	1.5	11.5
-4.00	1.75	5.75	1.5	6.4					

Document Number: Z00981.FS1

For External Distribution

Reviewed by: Stefan Neissner, 22 Feb 2018

Page 3 of 3

PRODUCT FACT SHEET



Product Name ZEISS Finished SV SPH 1.53 UVProtect DuraVision BlueProtect UV

1. Customer Product Codes:

EDI:	LGC:	LGC Description:	Notes	FDA	Z-Engraving	CAT Code:
15278	T8211	ZEISS FSV SPH 153 DVBP 65+ U-D	Country of origin on Label	Yes	No	D83
	T8212	ZEISS FSV SPH 153 DVBP 65X U-D				
	T8223	ZEISS FSV SPH 153 DVBP 70- U-D				D84

2. Material & Coating Specifications:

Type	Trivex 1.53
Refractive Index	$n_d = 1.527$ (Helium 'd' line 587.56nm) $n_e = 1.530$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 45$ $v_e = 45$
Density	1.11 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 %
Coating Type	DuraVision BlueProtect UV
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 -8.00	Spherical	70 mm

Document Number: Z00982.FS1
For External Distribution

Reviewed by: Stefan Neissner, 22 Feb 2018
Page 1 of 4

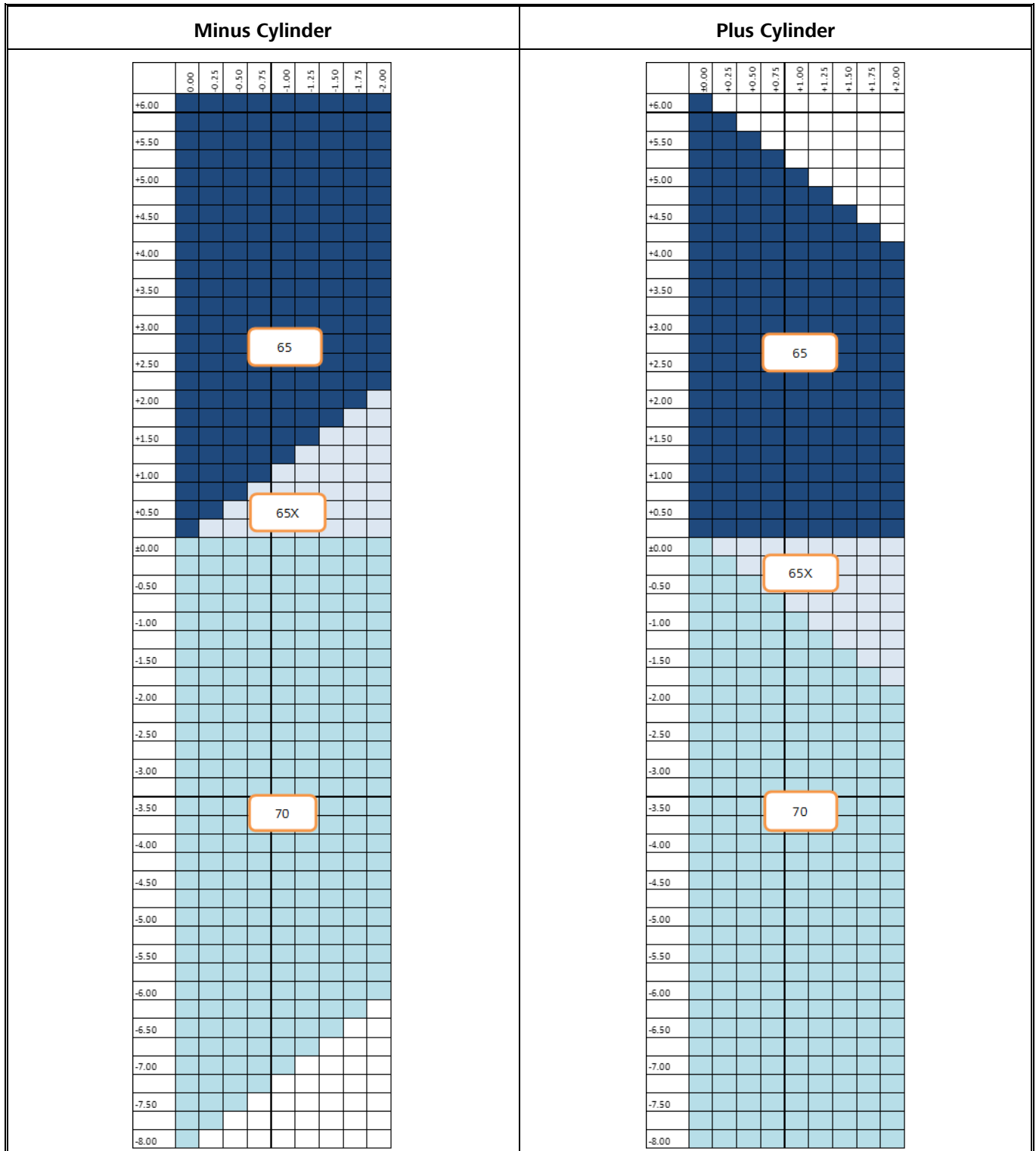
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.53 UVProtect DuraVision BlueProtect UV

4. Product Range:



Document Number: Z00982.FS1

For External Distribution

Reviewed by: Stefan Neissner, 22 Feb 2018

Page 2 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.53 UVProtect DuraVision BlueProtect UV

5. Lens Geometry:

5.1 Diameter & Edge Finish: Flat Bevel Edged

Nominal Diameter (mm)	Actual Diameter (mm)
65	65.0 ± 1.0
70	70.0 ± 1.0

5.2 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 -8.00	± 0.15

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)	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

Document Number: Z00982.FS1

For External Distribution

Reviewed by: Stefan Neissner, 22 Feb 2018

Page 3 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.53 UVProtect DuraVision BlueProtect UV

6. Lens Geometry continued:

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	-4.25	1.50	5.75	1.5	6.7
-0.25	4.00	4.25	2.0	2.3	-4.50	1.25	5.75	1.5	7.0
-0.50	3.75	4.25	2.0	2.6	-4.75	1.00	5.75	1.5	7.2
-0.75	3.50	4.25	2.0	2.9	-5.00	1.35	6.35	1.5	7.6
-1.00	3.25	4.25	1.9	3.1	-5.25	1.10	6.35	1.5	7.9
-1.25	3.00	4.25	1.9	3.4	-5.50	0.85	6.35	1.5	8.2
-1.50	3.50	5.00	1.8	3.6	-5.75	0.60	6.35	1.5	8.5
-1.75	3.25	5.00	1.8	3.9	-6.00	0.35	6.35	1.5	8.8
-2.00	3.00	5.00	1.7	4.1	-6.25	0.90	7.15	1.5	9.2
-2.25	2.75	5.00	1.7	4.4	-6.50	0.65	7.15	1.5	9.5
-2.50	2.75	5.25	1.6	4.7	-6.75	0.40	7.15	1.5	9.8
-2.75	2.50	5.25	1.6	5.0	-7.00	0.15	7.15	1.5	10.1
-3.00	2.25	5.25	1.5	5.1	-7.25	0.90	8.15	1.5	10.7
-3.25	2.00	5.25	1.5	5.4	-7.50	0.65	8.15	1.5	11.0
-3.50	1.75	5.25	1.5	5.7	-7.75	0.40	8.15	1.5	11.3
-3.75	2.00	5.75	1.5	6.1	-8.00	0.15	8.15	1.5	11.5
-4.00	1.75	5.75	1.5	6.4					

Document Number: Z00982.FS1

For External Distribution

Reviewed by: Stefan Neissner, 22 Feb 2018

Page 4 of 4

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
For External Distribution

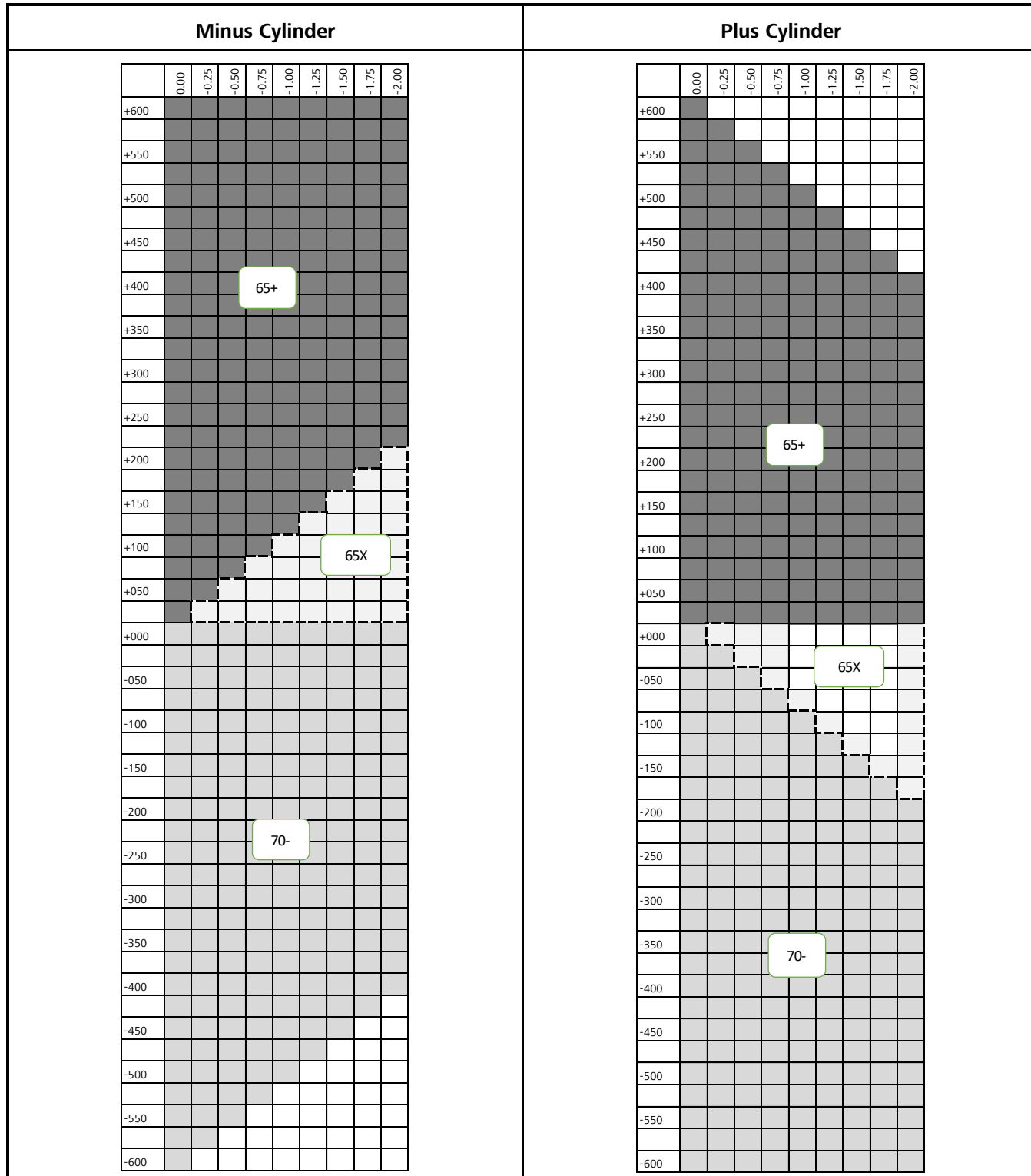
Reviewed by: Geoff Riley, 01 Sep 2017
Page 1 of 3

PRODUCT FACT SHEET

Product Name

synchrony Finished SV SPH 1.53 HC

5. Product Range:



Document Number: 00617.FS1

For External Distribution

Reviewed by: Geoff Riley, 01 Sep 2017

Page 2 of 3

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

Document Number: 00617.FS1
For External Distribution

Reviewed by: Geoff Riley, 01 Sep 2017
Page 3 of 3

PRODUCT FACT SHEET



Product Name ZEISS Finished SV SPH 1.5 UVProtect DuraVision Platinum UV

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	Cat Code
17448	R0781	ZEISS FSV SPH 15 DVP 65+ U-J	Country of origin on Envelope	Yes	No	C73
	R0791	ZEISS FSV SPH 15 DVP 70+ U-J				
	R0792	ZEISS FSV SPH 15 DVP 70X U-J				
	R0793	ZEISS FSV SPH 15 DVP 70- U-J				C74

2. Material & Coating Specifications:

Type	ZEISS Light Protection Polymer 1.5
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 : 100%, UVB : 100%
Coating Type	DuraVision Platinum UV
Colour Appearance	Blue residual reflection colour

3. Design:

Power Range	Design	Diameter
+6.00 to +4.25	Spherical	65 mm
+4.00 to -6.00	Spherical	70 mm

4. Product Markings: None

Document Number: Z00873.FS1	Reviewed by: Stefan Neissner, 08 January 2018
For External Distribution	Page 1 of 4

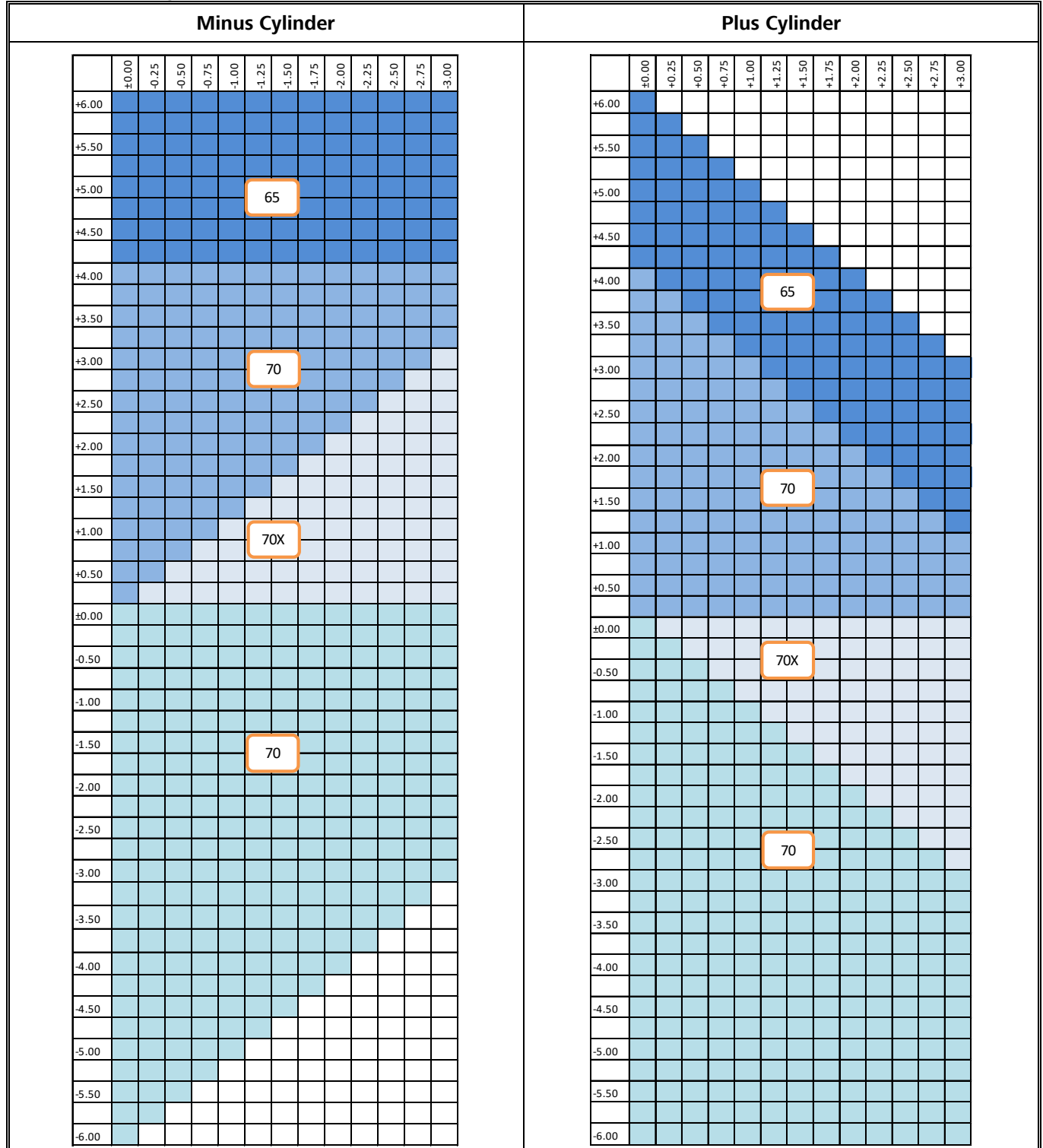
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision Platinum UV

5. Product Range:



Document Number: Z00873.FS1

For External Distribution

Reviewed by: Stefan Neissner, 08 January 2018

Page 2 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision Platinum UV

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: 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

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)	Mould Front Curve (D)	Mould Back Curve (D)
+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	-7.05	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

Document Number: Z00873.FS1

For External Distribution

Reviewed by: Stefan Neissner, 08 January 2018

Page 3 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision Platinum UV

+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

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)	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

Document Number: Z00873.FS1

For External Distribution

Reviewed by: Stefan Neissner, 08 January 2018

Page 4 of 4

PRODUCT FACT SHEET



Product Name ZEISS Finished SV SPH 1.5 UVProtect DuraVision Silver UV

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	Cat Code
17541	R0741	ZEISS FSV SPH 15 DVS 65+ U-J	Country of origin on Envelope	Yes	No	C75
	R0751	ZEISS FSV SPH 15 DVS 70+ U-J				
	R0752	ZEISS FSV SPH 15 DVS 70X U-J				
	R0753	ZEISS FSV SPH 15 DVS 70- U-J				C76

2. Material & Coating Specifications:

Type	Organic 1.5 ZEISS Light Protection
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 : 100%, UVB : 100%
Coating Type	DuraVision Silver UV
Colour Appearance	Front Side: Blue residual reflection colour Back Side: Blue residual reflection colour

3. Design:

Power Range	Design	Diameter
+6.00 to +4.25	Spherical	65 mm
+4.00 to -6.00	Spherical	70 mm

4. Product Markings: None

Document Number: Z00868.FS1
For External Distribution

Reviewed by: Monika Anselm, 19 Feb 2018
Page 1 of 4

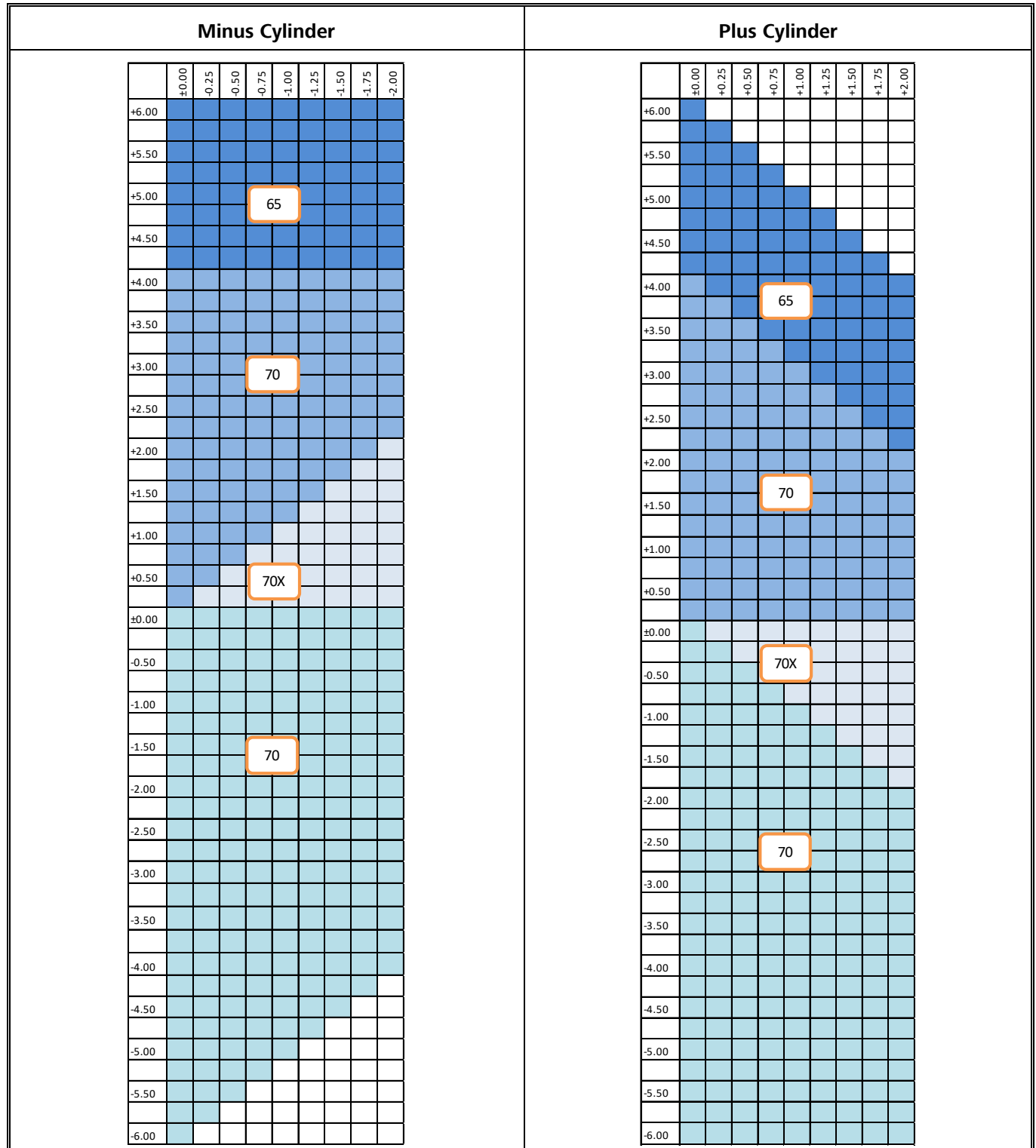
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision Silver UV

5. Product Range:



Document Number: Z00868.FS1

For External Distribution

Reviewed by: Monika Anselm, 19 Feb 2018

Page 2 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision Silver UV

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: 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

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)	Mould Front Curve (D)	Mould Back Curve (D)
+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	-7.05	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

Document Number: Z00868.FS1

For External Distribution

Reviewed by: Monika Anselm, 19 Feb 2018

Page 3 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision Silver UV

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

Document Number: Z00868.FS1

For External Distribution

Reviewed by: Monika Anselm, 19 Feb 2018

Page 4 of 4

PRODUCT FACT SHEET



Product Name ZEISS Finished SV SPH 1.5 UVProtect DuraVision BlueProtect UV

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	Cat Code
17446	R0661	ZEISS FSV SPH 15 DVBP 65+ U-J	Country of origin on Envelope	Yes	No	C71
	R0671	ZEISS FSV SPH 15 DVBP 70+ U-J				
	R0672	ZEISS FSV SPH 15 DVBP 70X U-J				
	R0673	ZEISS FSV SPH 15 DVBP 70- U-J				C72

2. Material & Coating Specifications:

Type	ZEISS Light Protection Polymer 1.5
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 : 100%, UVB : 100%
Coating Type	DuraVision BlueProtect UV
Colour Appearance	Front: Purple/Blue residual reflection colour Back: Blue residual reflection colour

3. Design:

Power Range	Design	Diameter
+6.00 to +4.25	Spherical	65 mm
+4.25 to -6.00	Spherical	70 mm

4. Product Markings: None

Document Number: Z00871.FS1

For External Distribution

Reviewed by: Stefan Neissner, 23 November 2017

Page 1 of 4

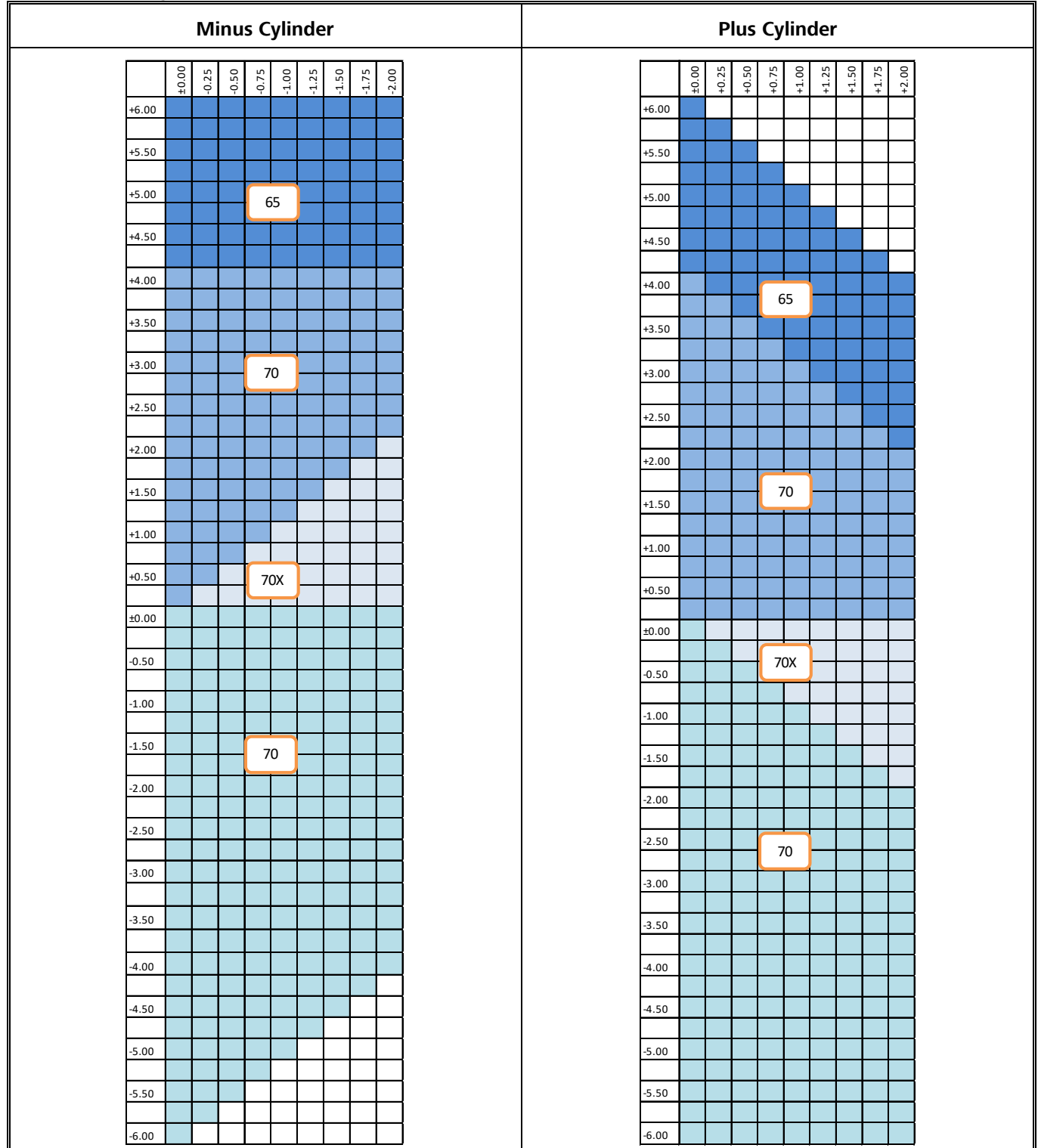
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision BlueProtect UV

5. Product Range:



Document Number: Z00871.FS1

For External Distribution

Reviewed by: Stefan Neissner, 23 November 2017

Page 2 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision BlueProtect UV

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: 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

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)	Mould Front Curve (D)	Mould Back Curve (D)
+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	-7.05	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

Document Number: Z00871.FS1

Reviewed by: Stefan Neissner, 23 November 2017

For External Distribution

Page 3 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision BlueProtect UV

6.1 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)	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

Document Number: Z00871.FS1

For External Distribution

Reviewed by: Stefan Neissner, 23 November 2017

Page 4 of 4

PRODUCT FACT SHEET



Product Name ZEISS Finished SV SPH 1.5 UVProtect DuraVision Chrome UV

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	Cat Code
17453	R0821	ZEISS FSV SPH 15 DVC 65+ U-J	Country of origin on Envelope	Yes	No	C77
	R0831	ZEISS FSV SPH 15 DVC 70+ U-J				
	R0832	ZEISS FSV SPH 15 DVC 70X U-J				
	R0833	ZEISS FSV SPH 15 DVC 70- U-J				C78

2. Material & Coating Specifications:

Type	ZEISS Light Protection Polymer 1.5
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 : 100%, UVB : 100%
Coating Type	DuraVision Chrome UV
Colour Appearance	Green residual reflection colour

3. Design:

Power Range	Design	Diameter
+6.00 to +4.25	Spherical	65 mm
+4.00 to -6.00	Spherical	70 mm

4. Product Markings: None

Document Number: Z00866.FS1
For External Distribution

Reviewed by: Stefan Neissner, 8 January 2018
Page 1 of 4

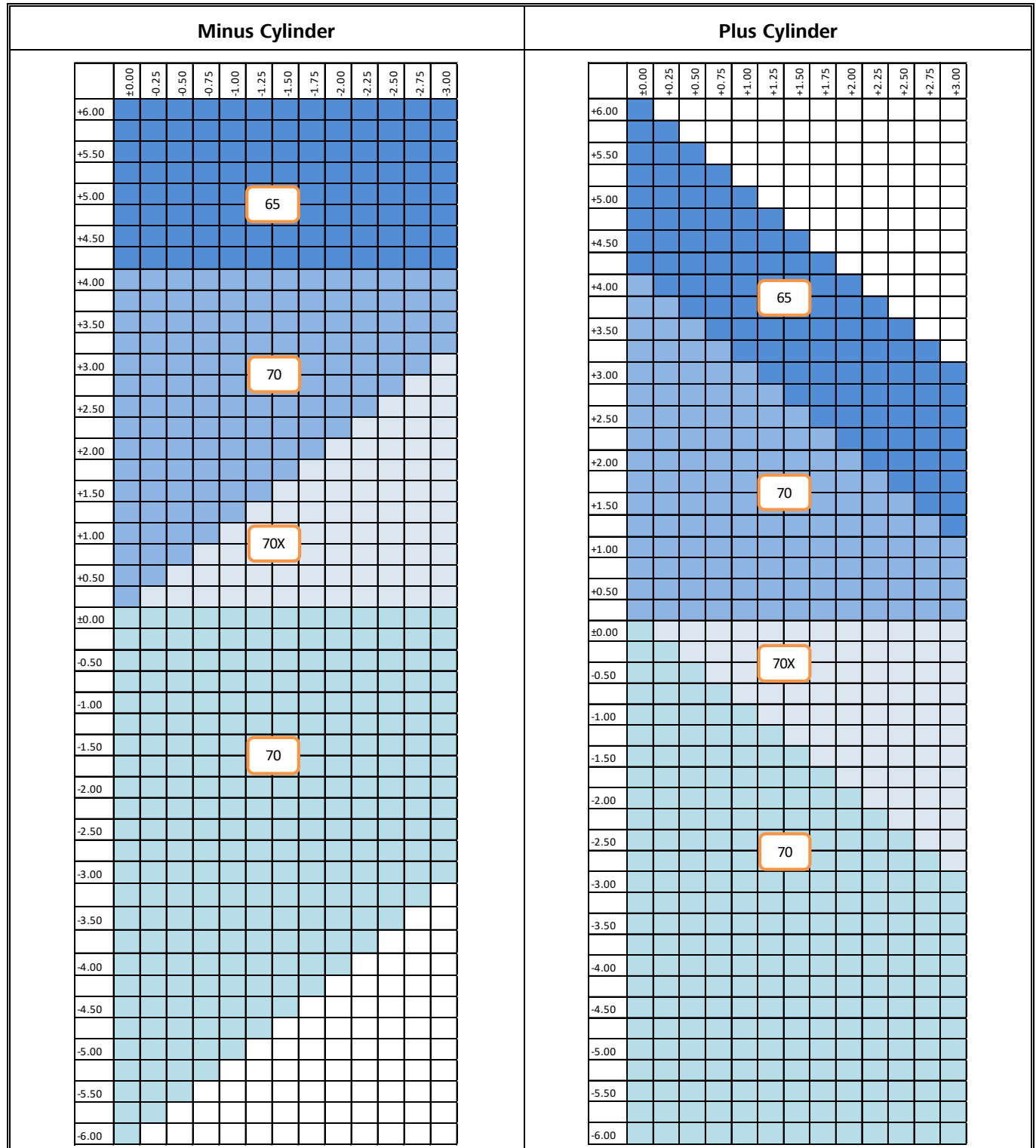
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision Chrome UV

5. Product Range:



Document Number: Z00866.FS1

For External Distribution

Reviewed by: Stefan Neissner, 8 January 2018

Page 2 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision Chrome UV

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: 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

6.1 Lens Geometry (continued):

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)	Mould Front Curve (D)	Mould Back Curve (D)
+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	-7.05	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

Document Number: Z00866.FS1

For External Distribution

Reviewed by: Stefan Neissner, 8 January 2018

Page 3 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision Chrome UV

6.2 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)	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

Document Number: Z00866.FS1

For External Distribution

Reviewed by: Stefan Neissner, 8 January 2018

Page 4 of 4

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

Document Number: 00522.FS1	Reviewed by: Geoff Riley, 21 Mar 2016
For External Distribution	Page 1 of 4

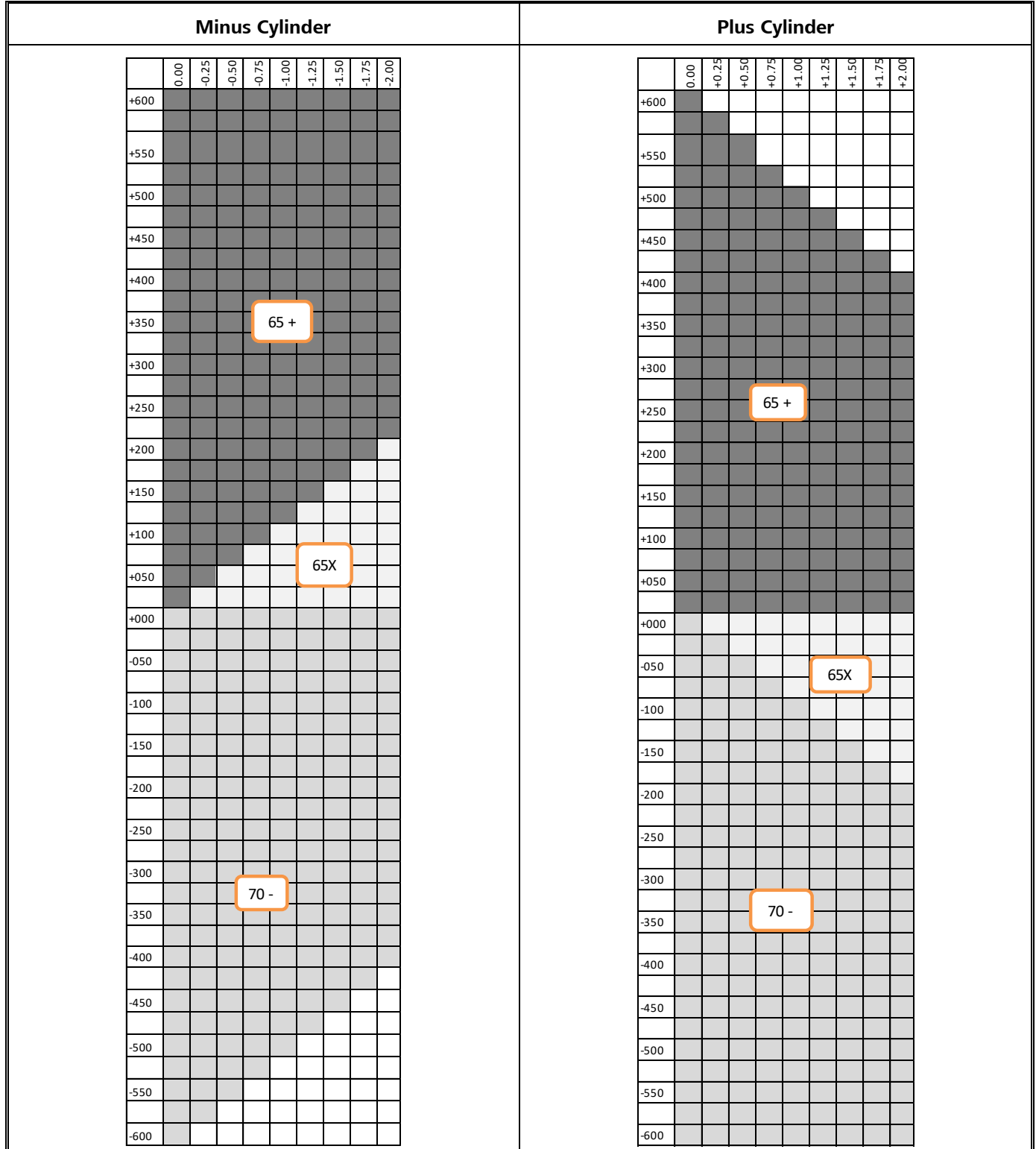
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HMC+ [USA]

5. Product Range:



Document Number: 00522.FS1

For External Distribution

Reviewed by: Geoff Riley, 21 Mar 2016

Page 2 of 4

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

Document Number: 00522.FS1

For External Distribution

Reviewed by: Geoff Riley, 21 Mar 2016

Page 3 of 4

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					

Document Number: 00522.FS1

For External Distribution

Reviewed by: Geoff Riley, 21 Mar 2016

Page 4 of 4

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

Document Number: 00522.FS1	Reviewed by: Geoff Riley, 21 Mar 2016
For External Distribution	Page 1 of 4

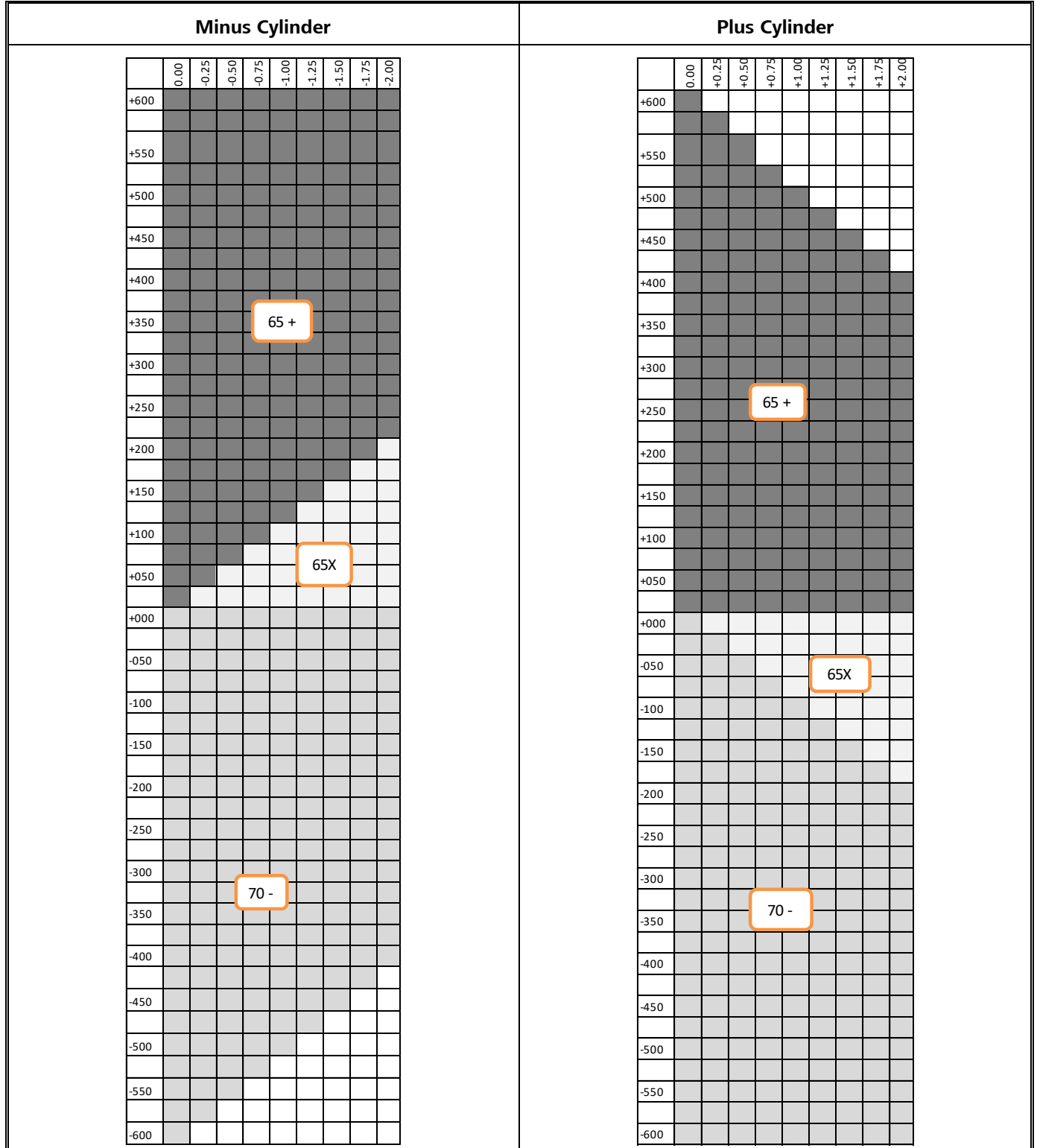
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HMC+ [USA]

5. Product Range:



Document Number: 00522.FS1

For External Distribution

Reviewed by: Geoff Riley, 21 Mar 2016

Page 2 of 4

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

Document Number: 00522.FS1

For External Distribution

Reviewed by: Geoff Riley, 21 Mar 2016

Page 3 of 4

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					

Document Number: 00522.FS1

For External Distribution

Reviewed by: Geoff Riley, 21 Mar 2016

Page 4 of 4

PRODUCT FACT SHEET



Product Name	ZEISS Finished SV Sph 1.5 PhotoFusion Grey DuraVision Platinum UV
---------------------	---

1. Customer Product Codes:

EDI:	LGC:	LGC Description:	Notes	FDA	Z-Engraving	CAT Code
21555	R1251	ZEISS FSV SPH 15 PF GRY DVP 65+ U-J	COO	Yes	No	C79
	R1252	ZEISS FSV SPH 15 PF GRY DVP 65X U-J				
	R1263	ZEISS FSV SPH 15 PF GRY DVP 70- U-J				C80

2. Product Features:

Material	Organic 1.5 ZEISS Light Protection
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: None

Document Number: Z00996.FS1	Reviewed by: Stefan Neissner, 2 March 2018
For External Distribution	Page 1 of 3

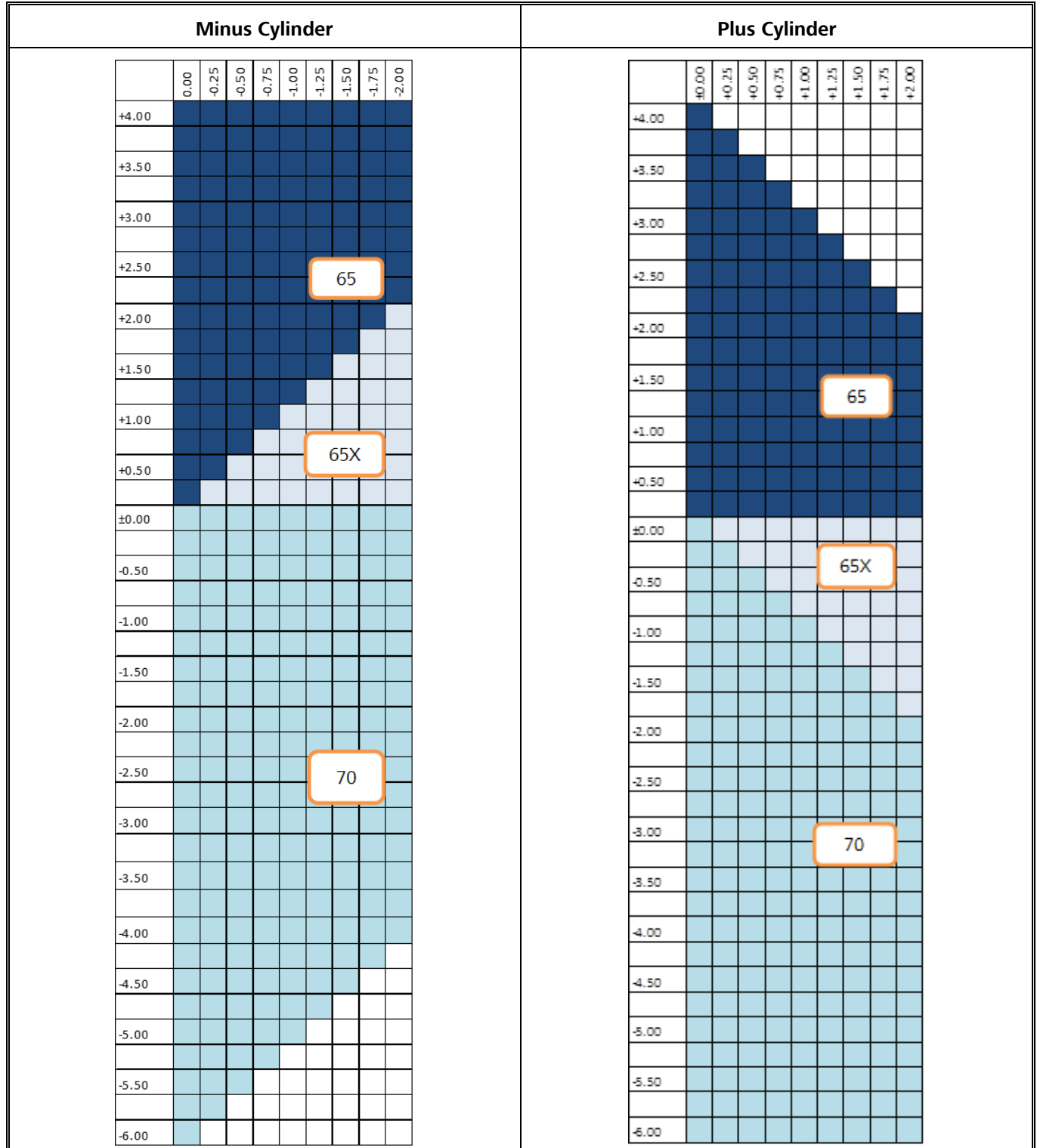
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV Sph 1.5 PhotoFusion Grey DuraVision Platinum UV

5. Product Range:



Document Number: Z00996.FS1

For External Distribution

Reviewed by: Stefan Neissner, 2 March 2018

Page 2 of 3

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV Sph 1.5 PhotoFusion Grey DuraVision Platinum UV

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 Package Weight (g)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Nominal Package 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 Package Weight (g)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness (mm)	Nominal Package 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: Z00996.FS1

For External Distribution

Reviewed by: Stefan Neissner, 2 March 2018

Page 3 of 3

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

Page 1 of 3

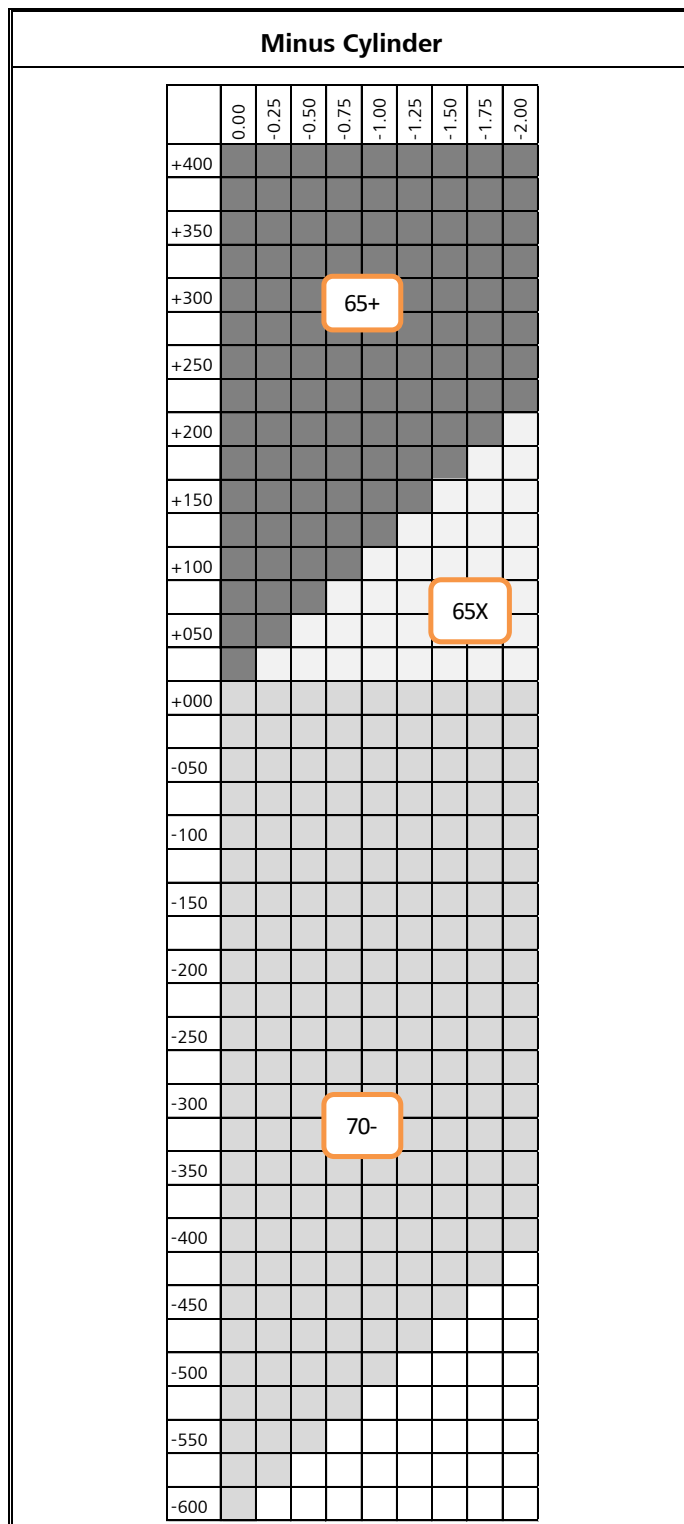
PRODUCT FACT SHEET



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

Page 2 of 3

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

Page 3 of 3

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

Page 1 of 3

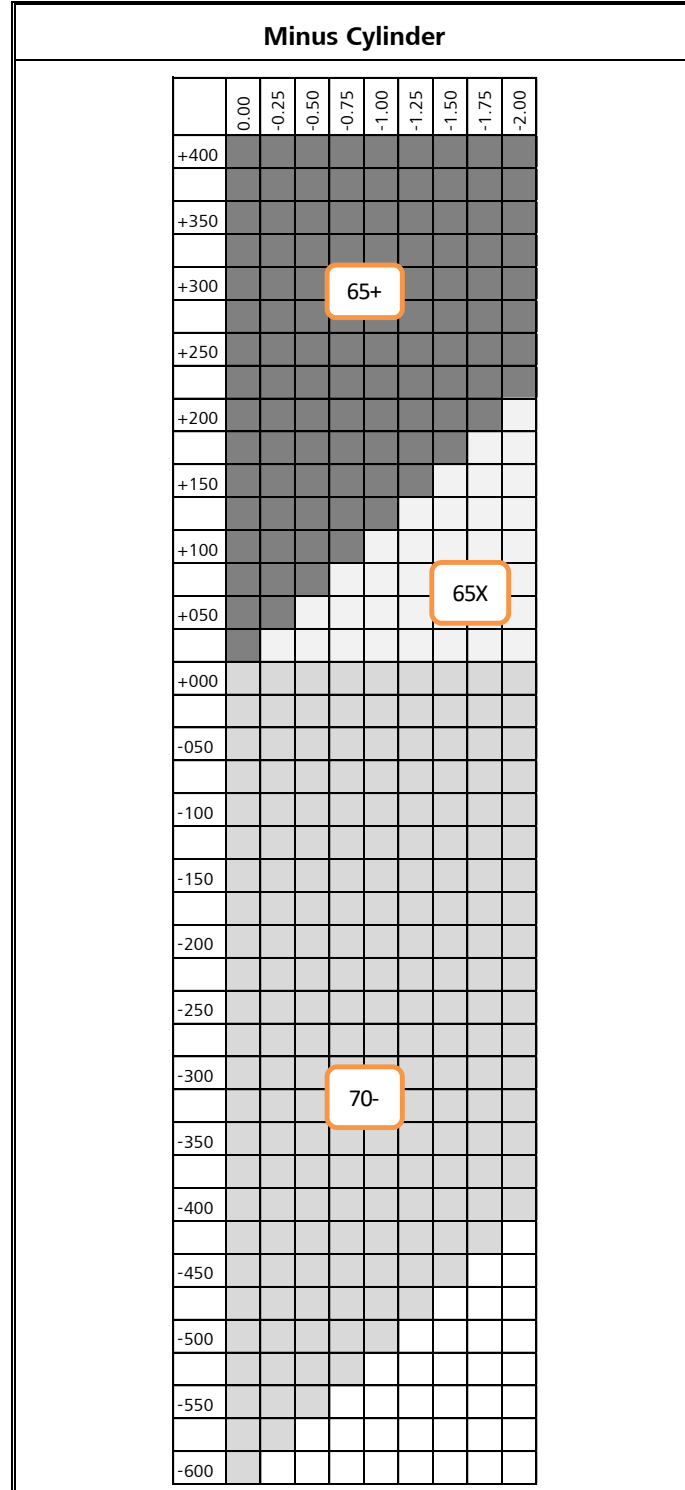
PRODUCT FACT SHEET



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

Page 2 of 3

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

Page 3 of 3

PRODUCT FACT SHEET



Product Name ZEISS Finished SV SPH 1.5 UVProtect HART UV

1. Customer Product Codes:

EDI:	LGC:	LGC Description	Notes	FDA	Z-Engraving	Cat Code
21509	R2041	ZEISS FSV SPH 15 HA 65+ U-J	Country of origin on Envelope	Yes	No	A16
	R2051	ZEISS FSV SPH 15 HA 70+ U-J				
	R2052	ZEISS FSV SPH 15 HA 70X U-J				
	R2053	ZEISS FSV SPH 15 HA 70- U-A				A17

2. Material & Coating Specifications:

Type	Organic 1.5 ZEISS Light Protection
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 : 100%, UVB : 100%
Coating Type	HART tintable

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

Document Number: Z00956.FS1	Reviewed by: Monika Anselm, 21 February 2018
For External Distribution	Page 1 of 4

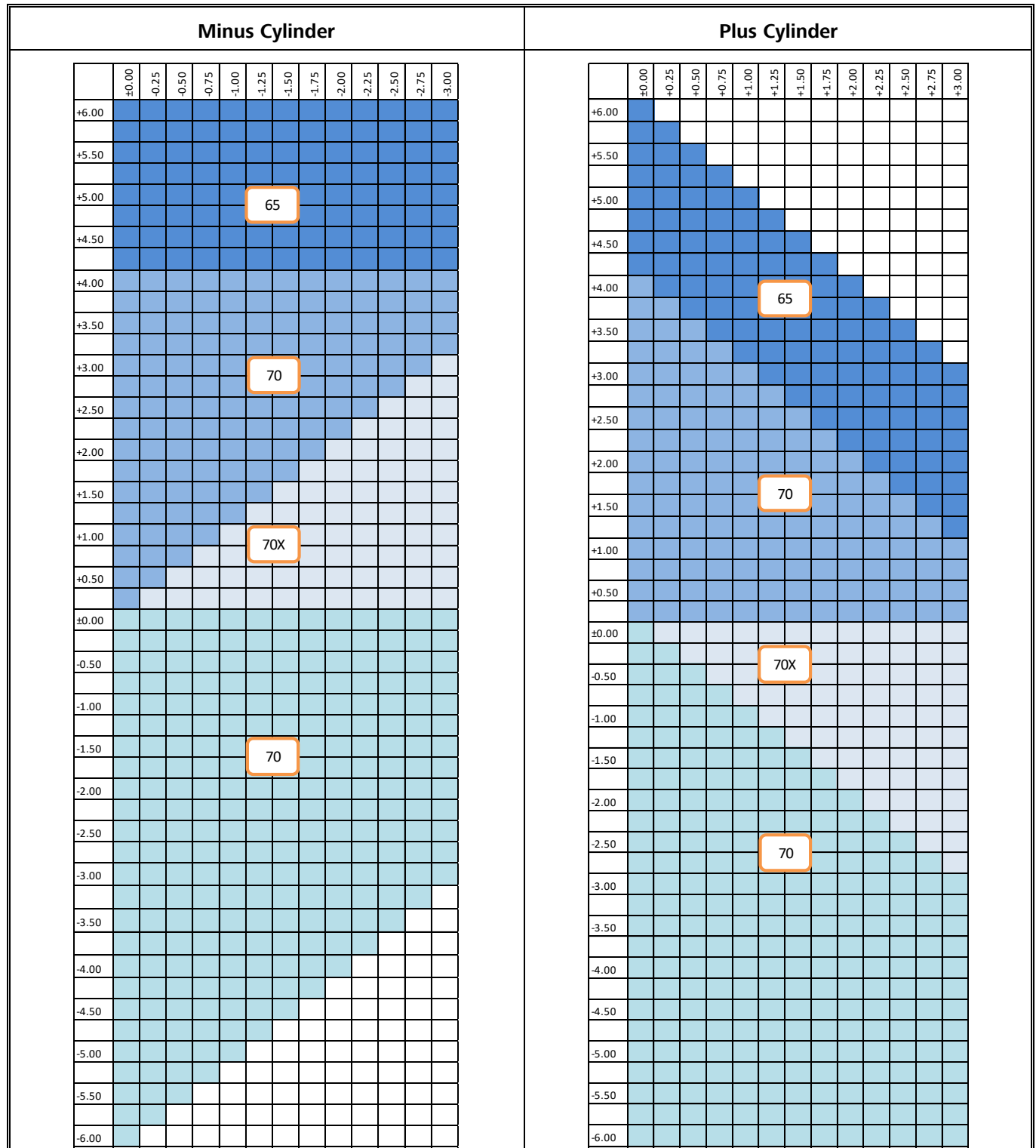
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect HART UV

5. Product Range:



Document Number: Z00956.FS1

For External Distribution

Reviewed by: Monika Anselm, 21 February 2018

Page 2 of 4

PRODUCT FACT SHEET



Product Name ZEISS Finished SV SPH 1.5 UVProtect HART UV

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: 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

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)	Mould Front Curve (D)	Mould Back Curve (D)
+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	-7.05	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

Document Number: Z00956.FS1
For External Distribution

Reviewed by: Monika Anselm, 21 February 2018
Page 3 of 4

PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect HART UV

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)	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

Document Number: Z00956.FS1

Reviewed by: Monika Anselm, 21 February 2018

For External Distribution

Page 4 of 4

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

Document Number: 00523.FS1	Reviewed by: Geoff Riley, 18 Mar 2016
For External Distribution	Page 1 of 4

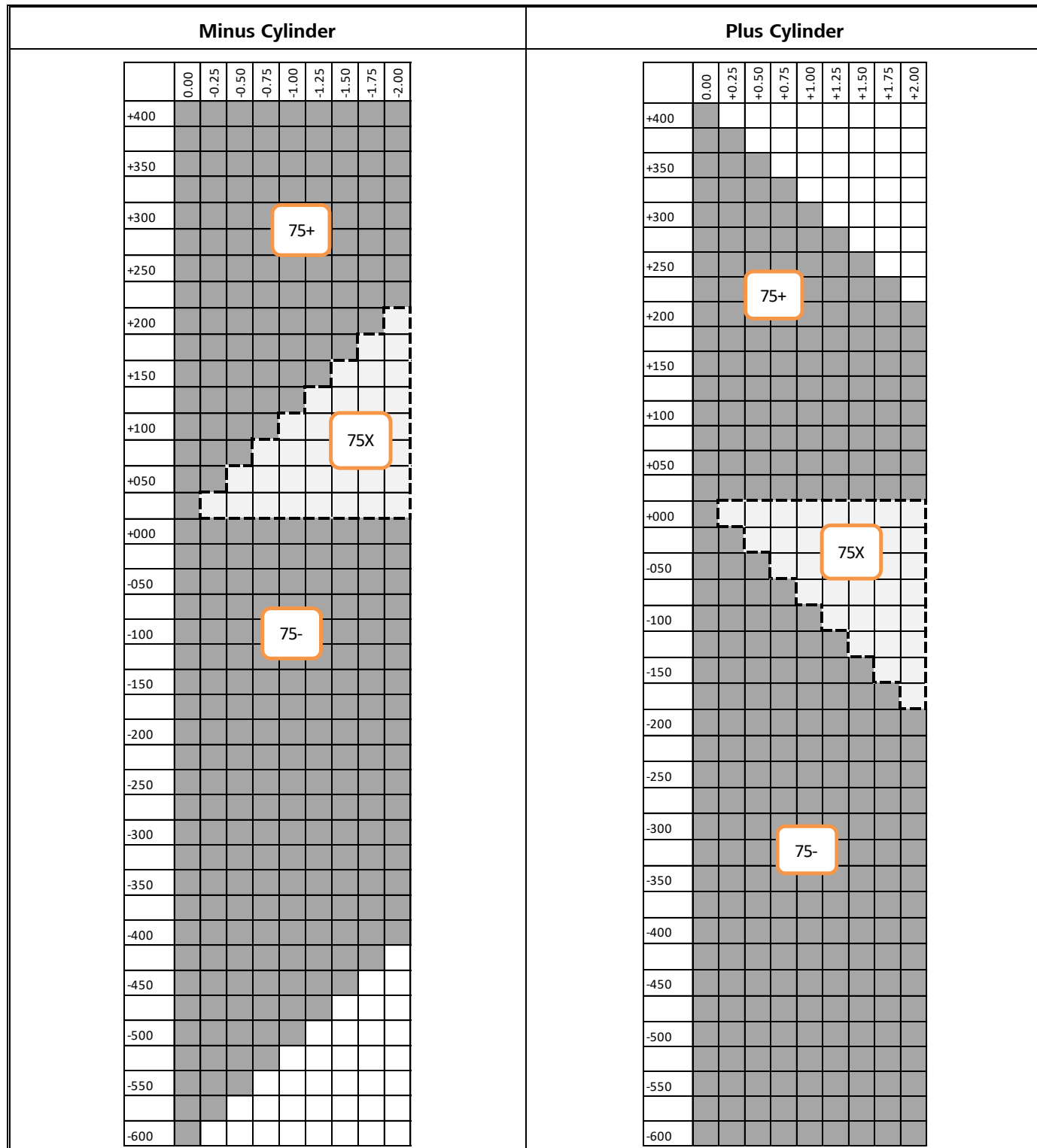
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 75mm

5. Product Range:



Document Number: 00523.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 2 of 4

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

Document Number: 00523.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 3 of 4

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

Document Number: 00523.FS1

Reviewed by: Geoff Riley, 18 Mar 2016

For External Distribution

Page 4 of 4

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

Document Number: 00541.FS1	Reviewed by: Geoff Riley, 18 Mar 2016
For External Distribution	Page 1 of 4

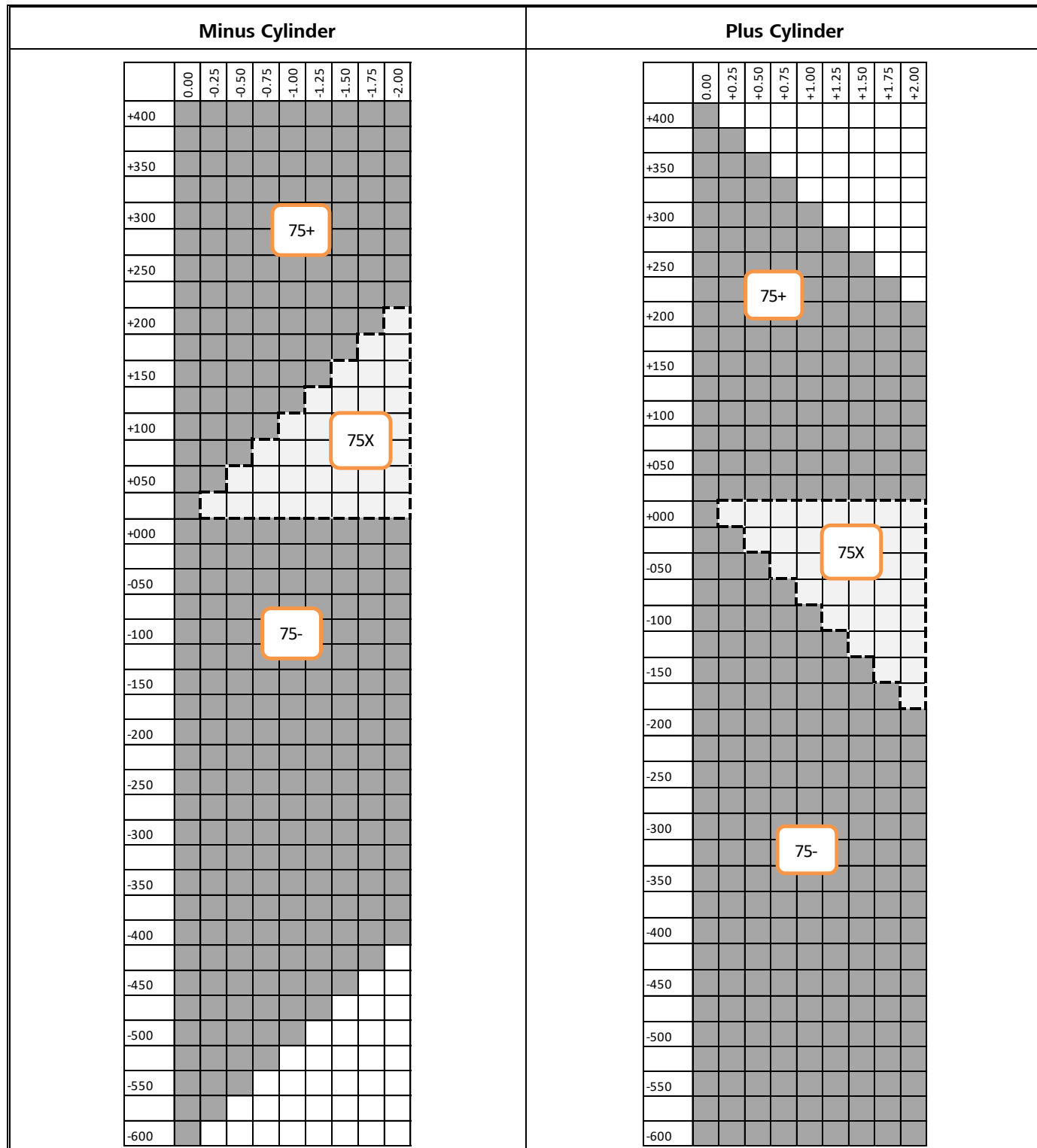
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 UC 75mm

5. Product Range:



Document Number: 00541.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 2 of 4

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

Document Number: 00541.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 3 of 4

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

Document Number: 00541.FS1

Reviewed by: Geoff Riley, 18 Mar 2016

For External Distribution

Page 4 of 4

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

Document Number: 00525.FS1	Reviewed by: Geoff Riley, 18 Mar 2016
For External Distribution	Page 1 of 4

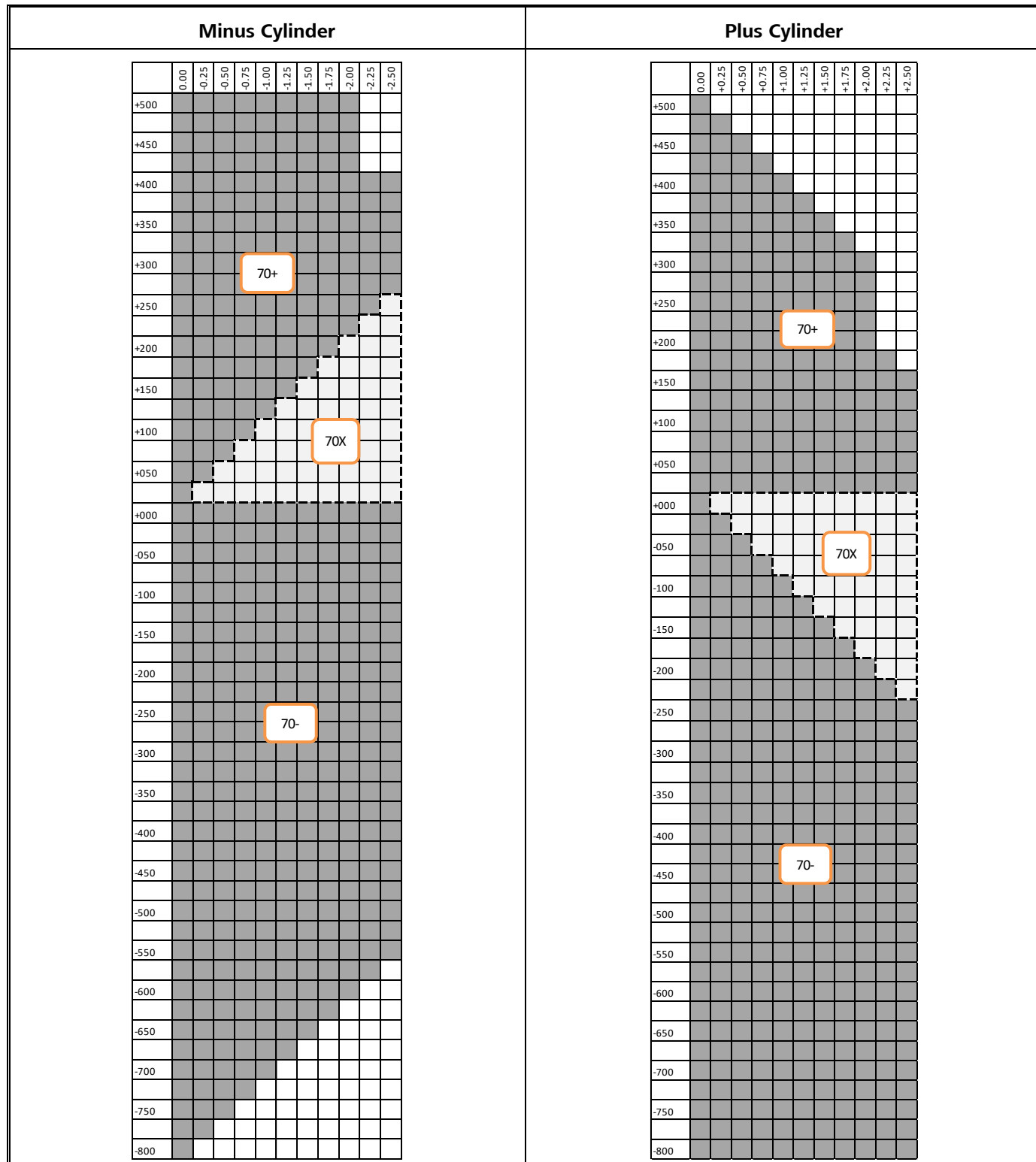
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 70mm

5. Product Range:



Document Number: 00525.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 2 of 4

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

Document Number: 00525.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 3 of 4

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					

Document Number: 00525.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 4 of 4

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

Document Number: 00525.FS1	Reviewed by: Geoff Riley, 18 Mar 2016
For External Distribution	Page 1 of 4

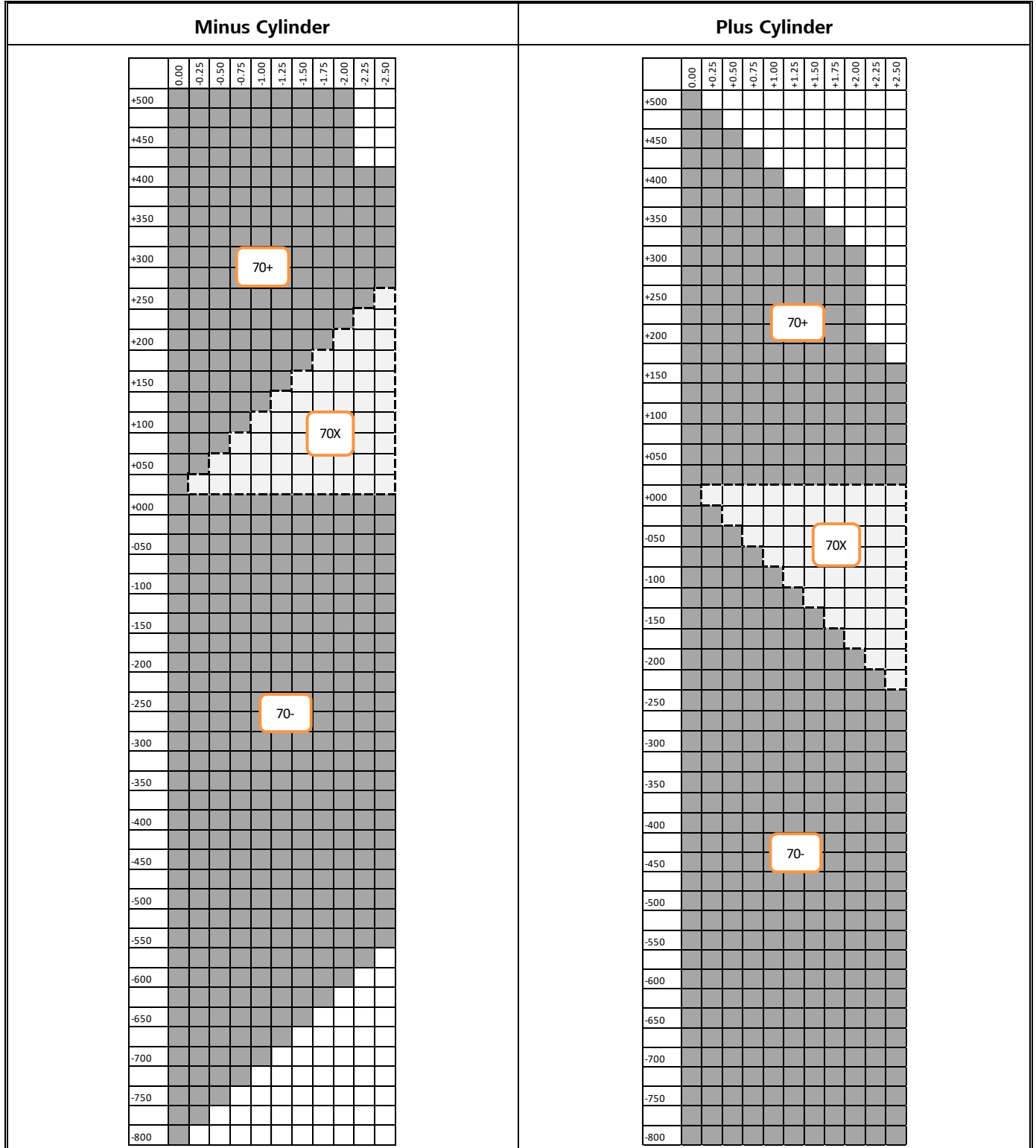
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 UC 70mm

5. Product Range:



Document Number: 00525.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 2 of 4

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

Document Number: 00525.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 3 of 4

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					

Document Number: 00525.FS1

Reviewed by: Geoff Riley, 18 Mar 2016

For External Distribution

Page 4 of 4

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

Document Number: 00564.FS1	Reviewed by: Geoff Riley, 18 Mar 2016
For External Distribution	Page 1 of 4

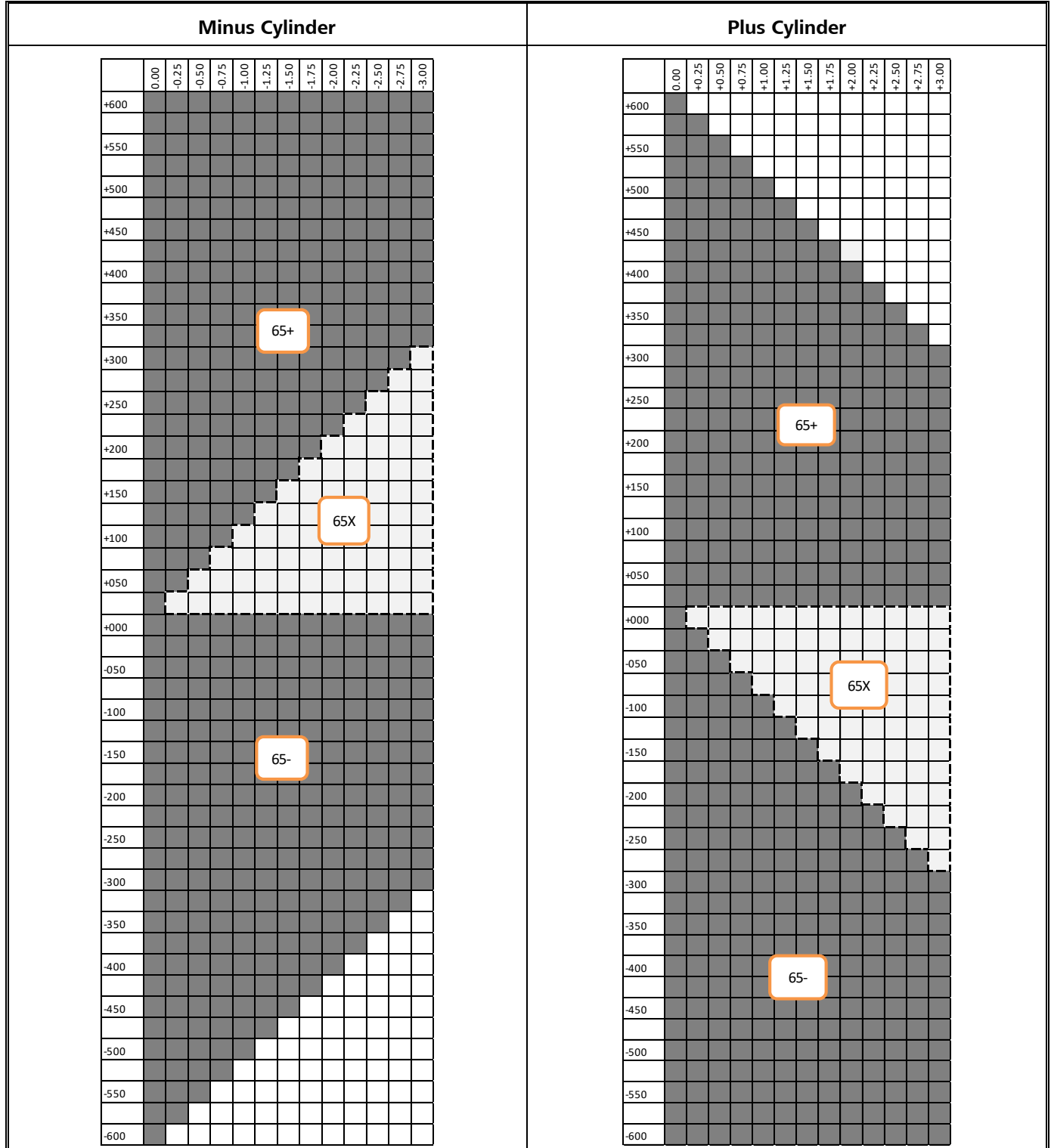
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 65mm

5. .Product Range:



Document Number: 00564.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 2 of 4

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

Document Number: 00564.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 3 of 4

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					

Document Number: 00564.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 4 of 4

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

Document Number: 00524.FS1	Reviewed by: Geoff Riley, 18 Mar 2016
For External Distribution	Page 1 of 4

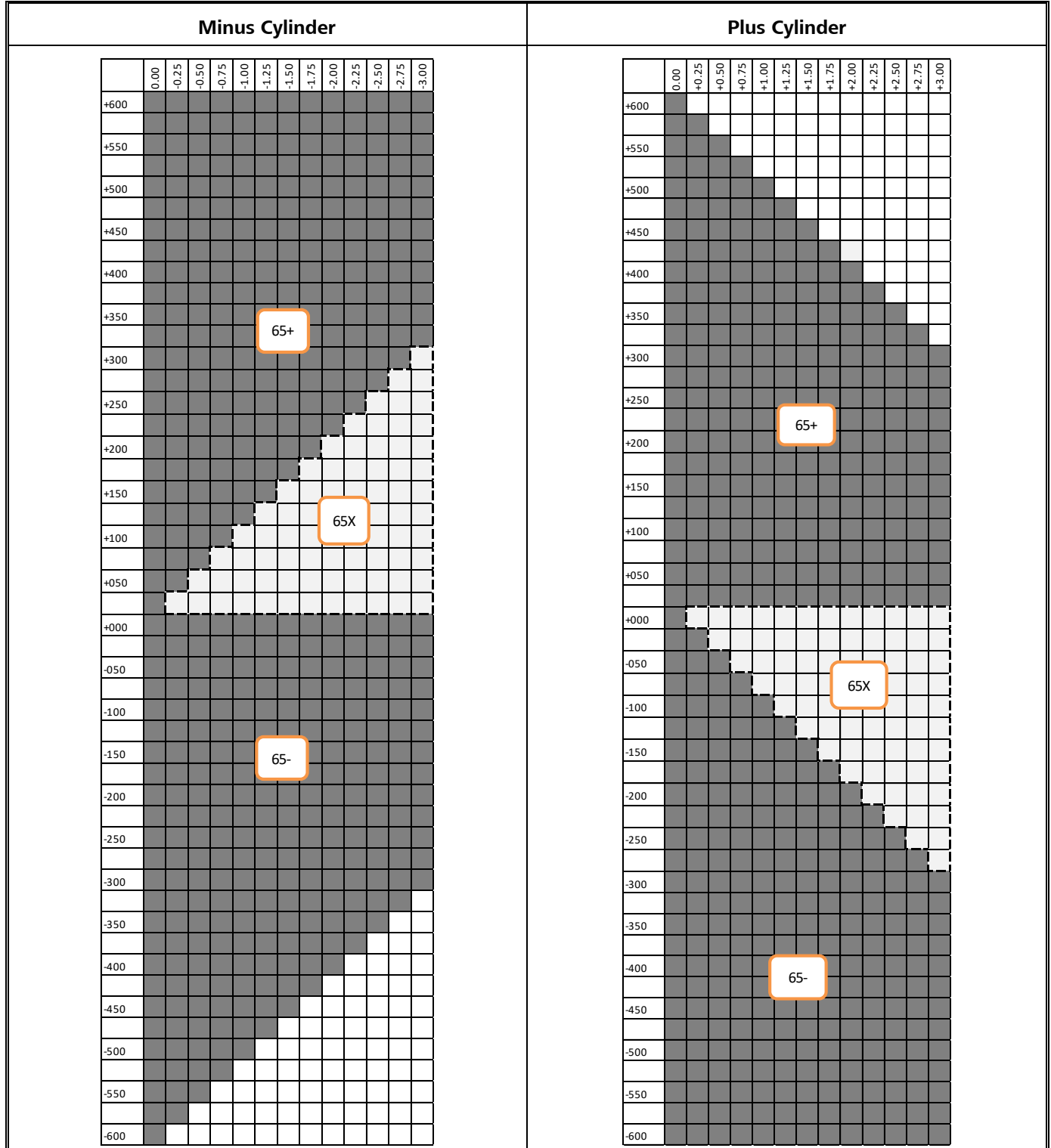
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 UC 65mm

5. Product Range:



Document Number: 00524.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 2 of 4

PRODUCT FACT SHEET



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

Document Number: 00524.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 3 of 4

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					

Document Number: 00524.FS1

For External Distribution

Reviewed by: Geoff Riley, 18 Mar 2016

Page 4 of 4