



Finished Single Vision - Fact Sheets

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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

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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									

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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

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.67 BlueGuard DuraVision Platinum UV

1. Customer Product Codes:

EDI	LGC	CAT	LGC Description
35061	R5631	J63	ZEISS FSV AS 167 BL DVP 65+ VBJ
	R5641	J64	ZEISS FSV AS 167 BL DVP 70+ VBJ
	R5642		ZEISS FSV AS 167 BL DVP 70X VBJ
	R5643	J65	ZEISS FSV AS 167 BL DVP 70- VBJ
	R5653	J66	ZEISS FSV AS 167 BL DVP 75- VBJ

2. Material & Coating Specifications:

Type	ZEISS BlueGuard Organic 1.67
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%
Coating Type	DuraVision Platinum UV
Coating Appearance	Front Side: Blue reflection colour Back Side: Blue 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

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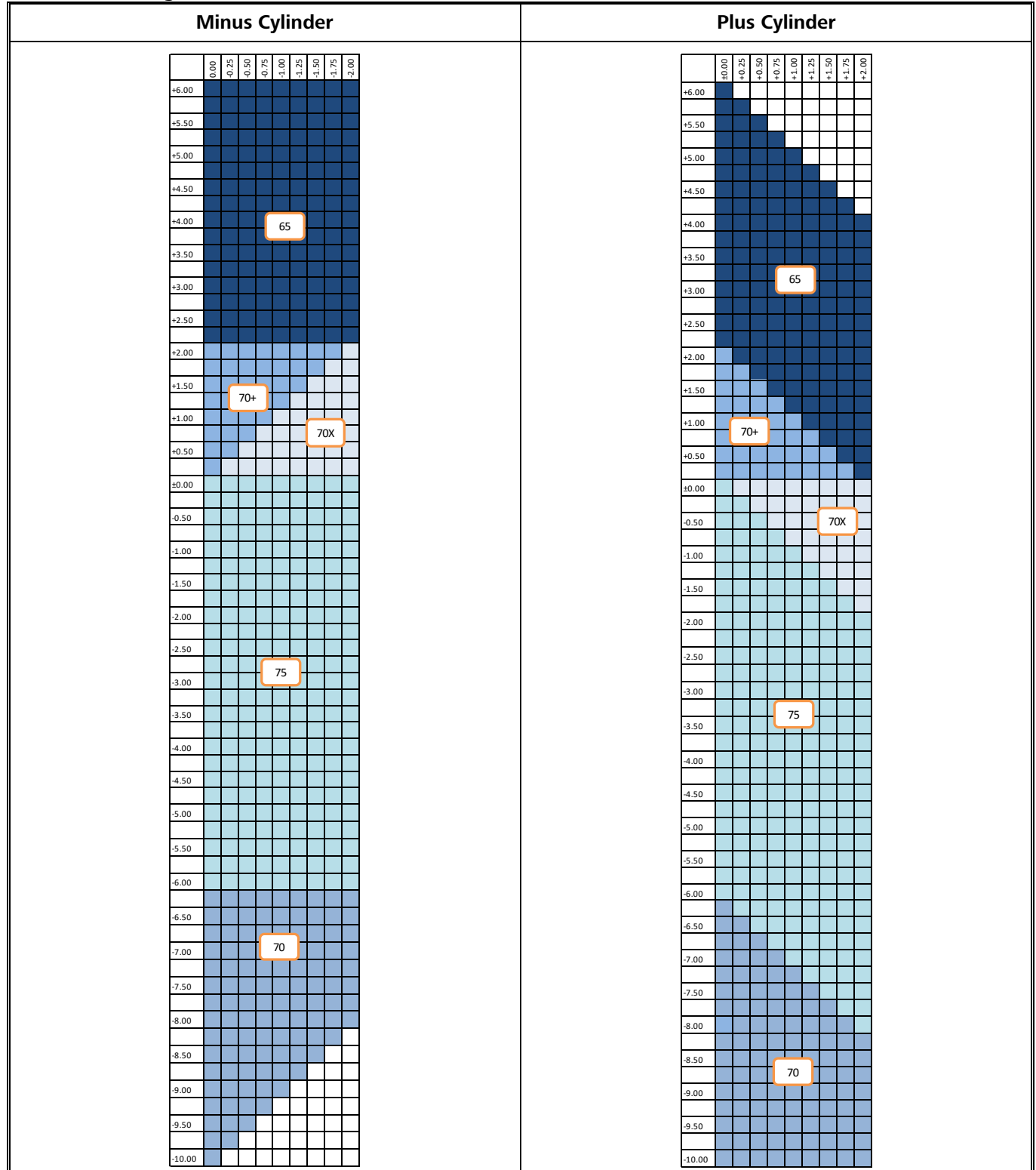
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Product Name

ZEISS Finished SV AS 1.67 BlueGuard DuraVision Platinum UV

5. Product Range:



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.67 BlueGuard 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

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Product Name

ZEISS Finished SV AS 1.67 BlueGuard 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

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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

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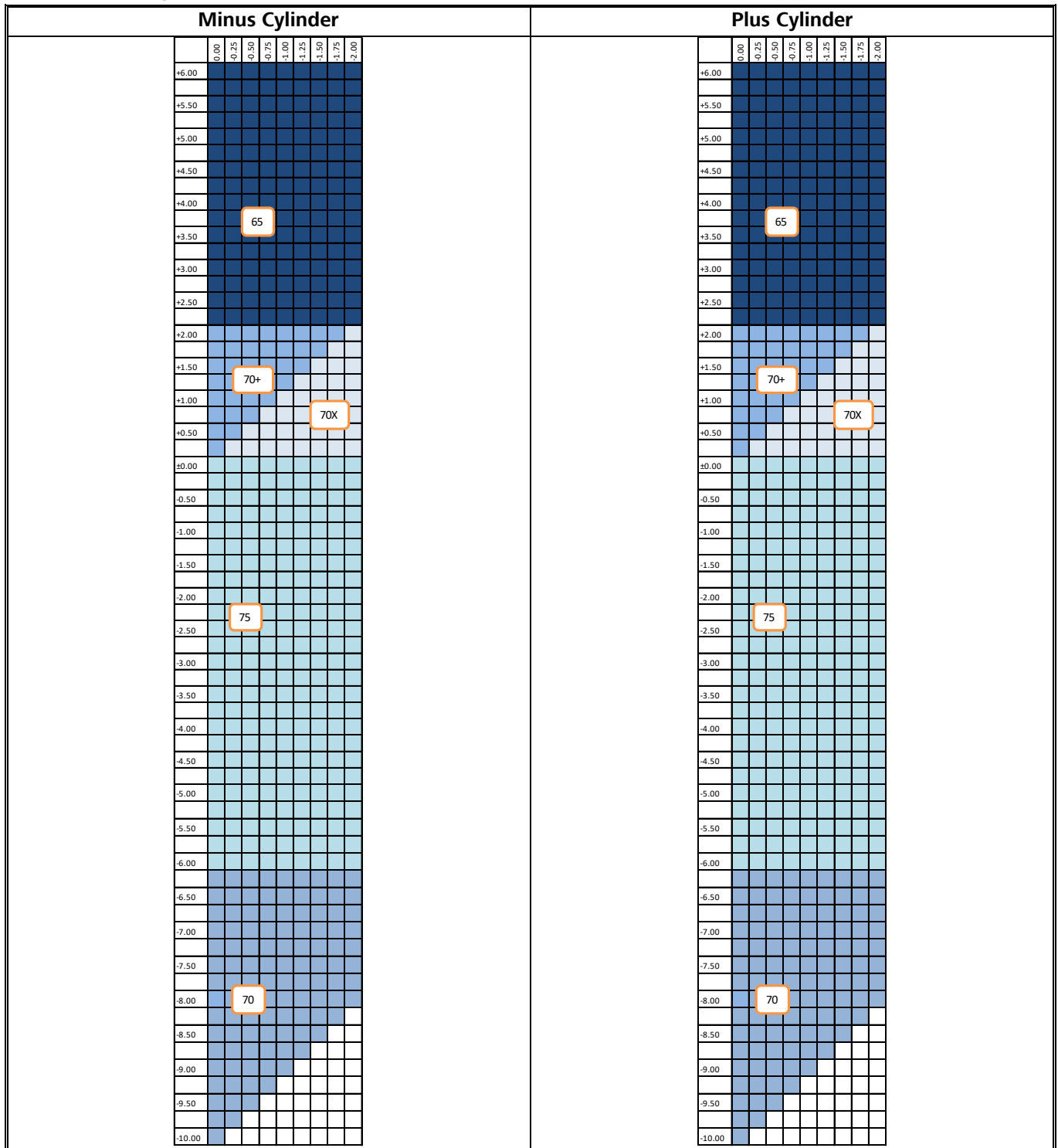
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Product Name

ZEISS Finished SV AS 1.67 UVProtect DuraVision Platinum UV

5. Product Range:



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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

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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

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Reviewed by: Stefan Neissner, 08 Mar 2018

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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

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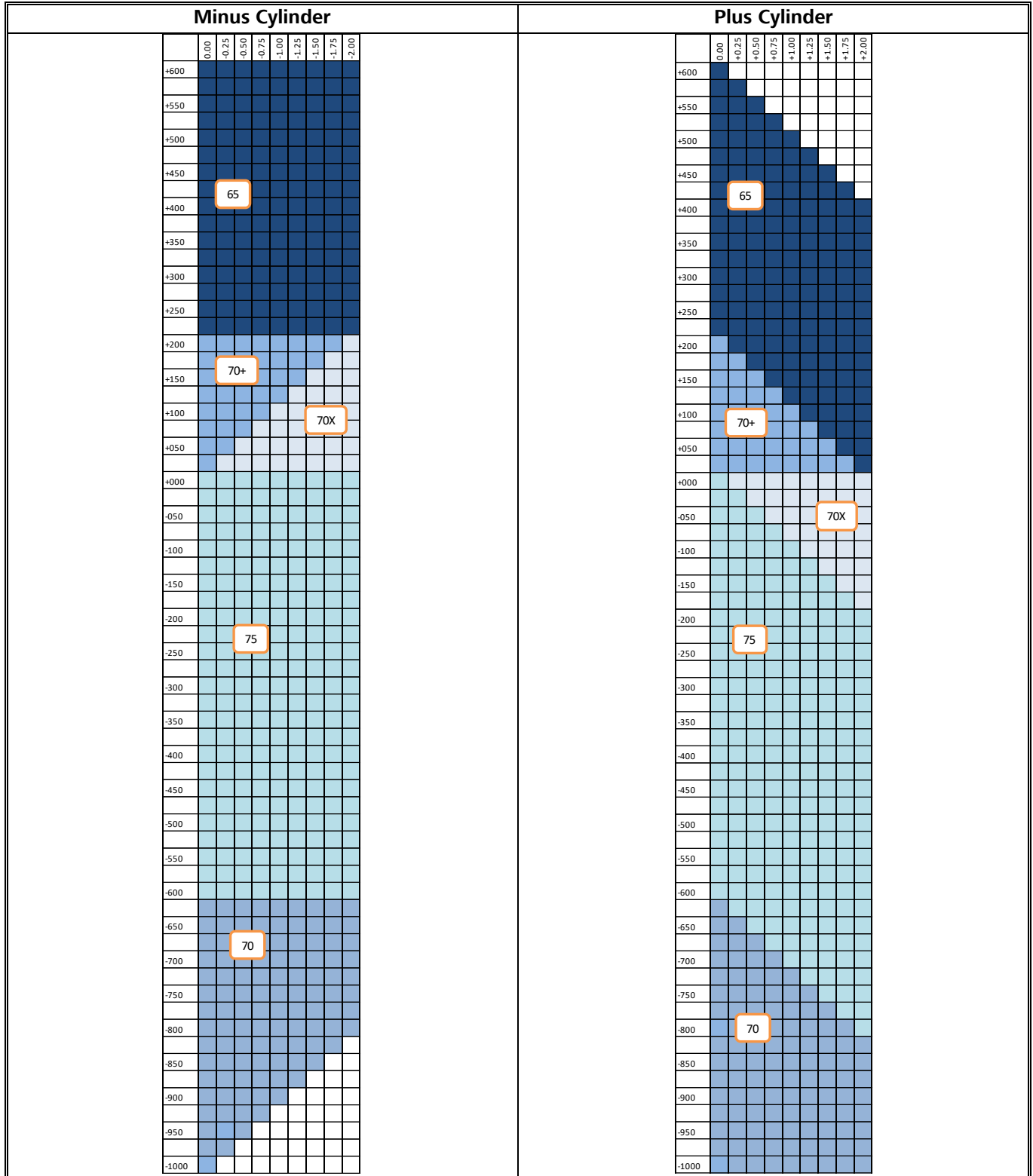
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.67 UVProtect DuraVision BlueProtect UV

5. Product Range:



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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

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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

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PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.67 HMCX [USA]

1. Customer Product Codes

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

2. Material & Coating Specifications:

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

3. Design:

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

4. Product Markings: None

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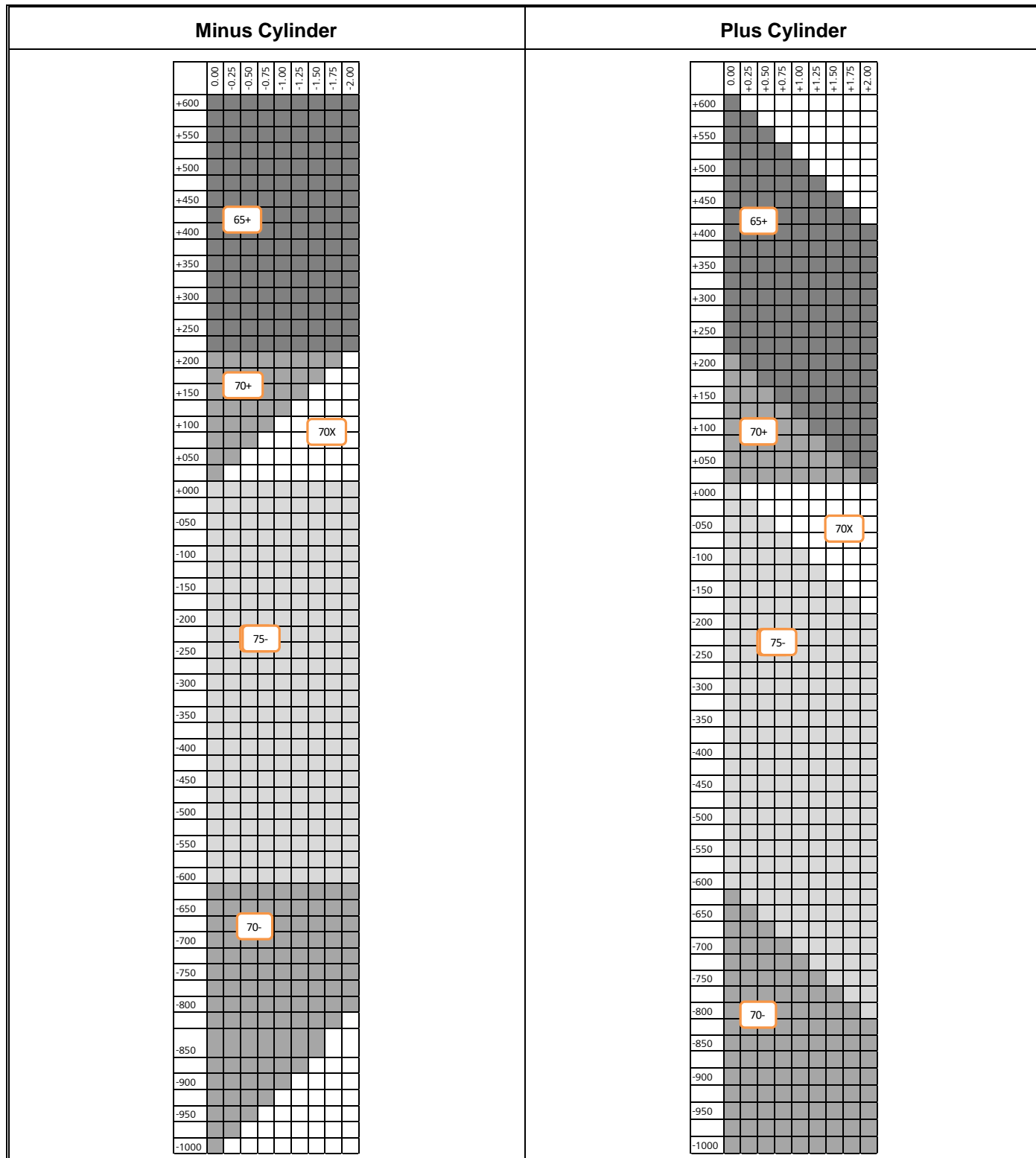
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Product Name

synchrony Finished SV AS 1.67 HMCX [USA]

5. Product Range:



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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

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV AS 1.67 HMCX [USA]

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

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

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

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

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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

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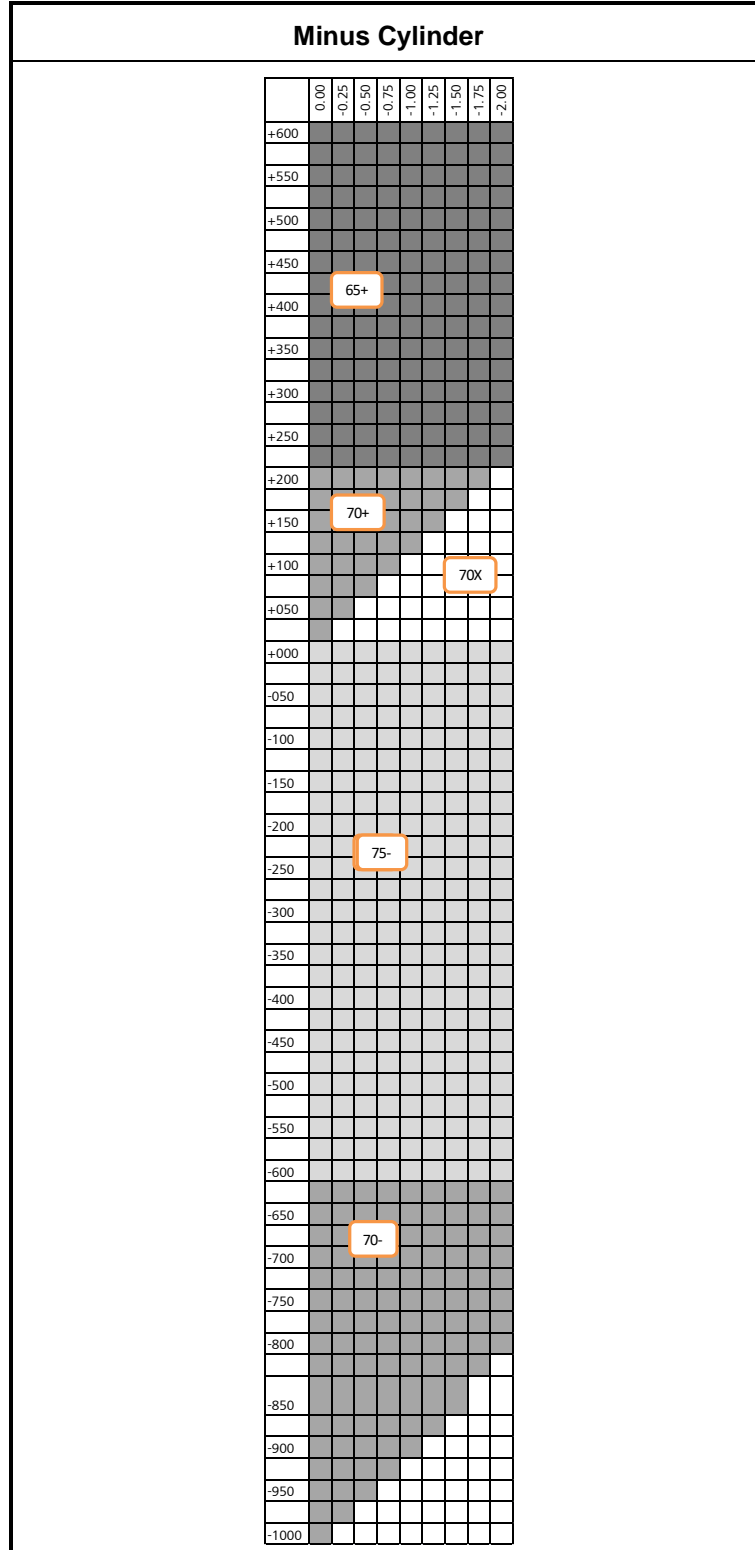
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Product Name

synchrony Finished SV AS 1.67 HC [USA]

5. Product Range:



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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

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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

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Reviewed by: Geoff Riley, 16 Sep 2016

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 BlueGuard DuraVision Platinum UV [USA]

1. Customer Product Codes:

EDI	LGC	CAT Code	LGC Description
35062	R5661	J67	ZEISS FSV AS 159 BL DVP 65+ V-J
	R5662		ZEISS FSV AS 159 BL DVP 65X V-J
	R5673	J68	ZEISS FSV AS 159 BL DVP 75- V-J

2. Material Specifications:

Type	ZEISS BlueGuard Polycarbonate Resin Polymer
Refractive Index	$n_d = 1.586 \pm 0.001$ (Helium 'd' line 587.56nm) $n_e = 1.590 \pm 0.001$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 30 \pm 2$ $v_e = 30 \pm 2$
Density	$1.20 \pm 0.01 \text{ g/cm}^3$
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 2.0 mm Centre Thickness (ISO 8980-3, ANSI Z80-1)
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

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Reviewed by: Monika Anselm, 04 Feb 2022
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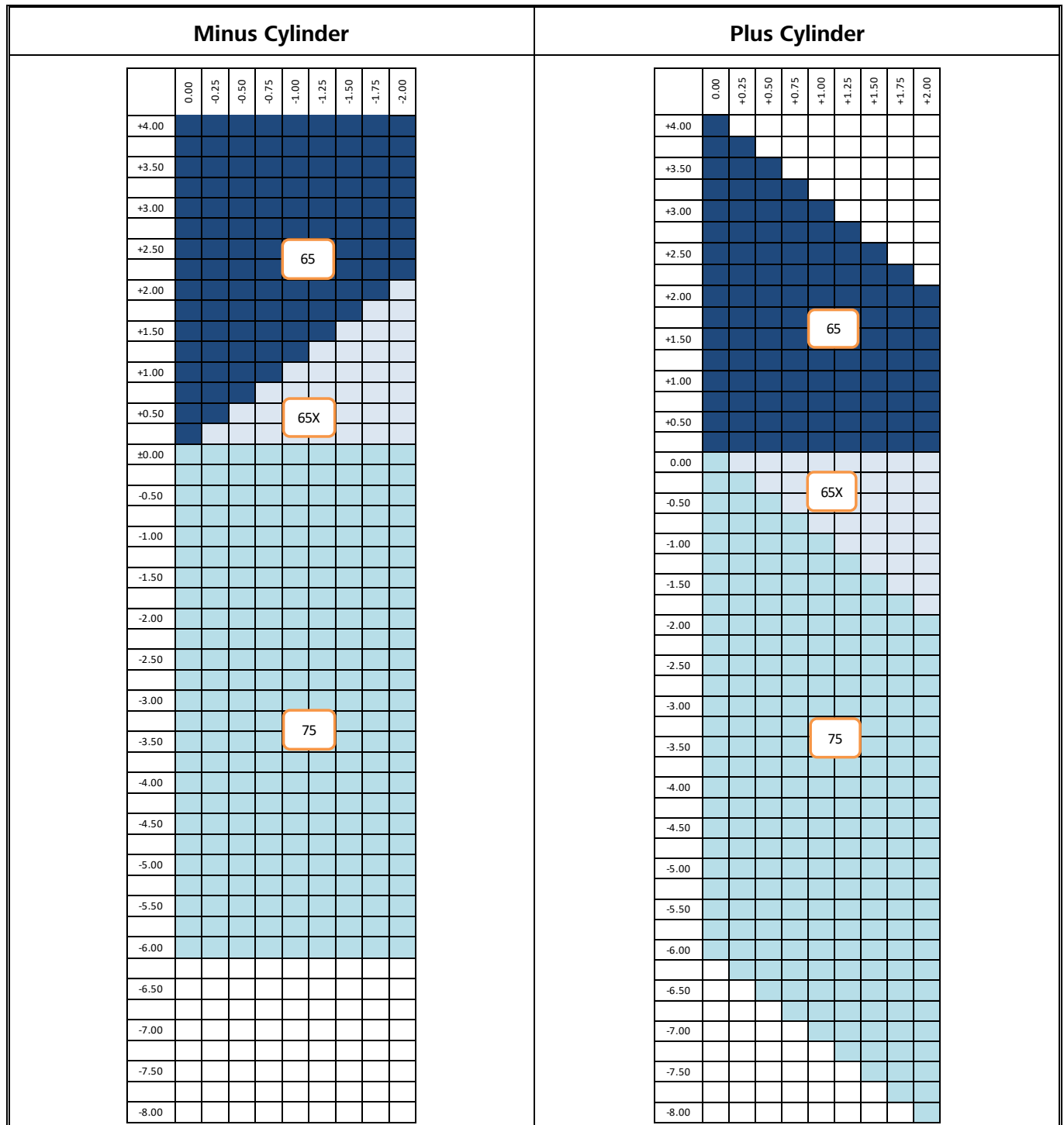
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Product Name

ZEISS Finished SV AS 1.59 BlueGuard DuraVision Platinum UV [USA]

5. Recommended Range Chart:



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 BlueGuard DuraVision Platinum UV [USA]

6. Lens Geometry

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

Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.30)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.30)	Edge Thickness (mm)
+4.00	5.32	1.71	5.04	1.3	+2.00	3.94	2.17	2.98	1.3
+3.75	5.01	1.71	4.49	1.3	+1.75	3.71	2.17	2.76	1.3
+3.50	4.80	1.71	4.25	1.3	+1.50	3.51	2.17	2.55	1.3
+3.25	4.58	1.71	4.06	1.3	+1.25	3.28	2.17	2.30	1.3
+3.00	4.37	1.71	3.82	1.3	+1.00	3.06	2.17	2.07	1.3
+2.75	4.15	1.71	3.56	1.3	+0.75	2.84	2.17	2.14	1.5
+2.50	3.94	1.71	3.44	1.3	+0.50	2.62	2.17	1.91	1.5
+2.25	3.71	1.71	3.22	1.3	+0.25	2.39	2.17	1.70	1.5

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

Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.30)	Edge Thickness (mm)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.30)	Edge Thickness (mm)
-0.00	3.62	3.64	2.0	2.0	-3.25	3.56	6.49	1.3	5.3
-0.25	3.39	3.64	1.9	2.2	-3.50	3.33	6.49	1.3	5.6
-0.50	3.17	3.64	1.8	2.5	-3.75	3.11	6.49	1.3	5.8
-0.75	2.94	3.64	1.7	2.7	-4.00	2.88	6.49	1.3	6.1
-1.00	2.71	3.64	1.6	2.9	-4.25	3.56	7.43	1.3	6.8
-1.25	3.39	4.54	1.5	3.1	-4.50	3.33	7.43	1.3	7.1
-1.50	3.17	4.54	1.4	3.3	-4.75	3.11	7.43	1.3	7.3
-1.75	2.94	4.54	1.4	3.6	-5.00	2.88	7.43	1.3	7.6
-2.00	2.71	4.54	1.4	4.0	-5.25	2.68	7.43	1.3	7.9
-2.25	3.99	6.02	1.3	4.0	-5.50	2.45	7.43	1.3	8.2
-2.50	3.76	6.02	1.3	3.7	-5.75	2.23	7.43	1.3	8.6
-2.75	3.56	6.02	1.3	4.6	-6.00	2.00	7.43	1.3	8.9
-3.00	3.33	6.02	1.3	4.9					

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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

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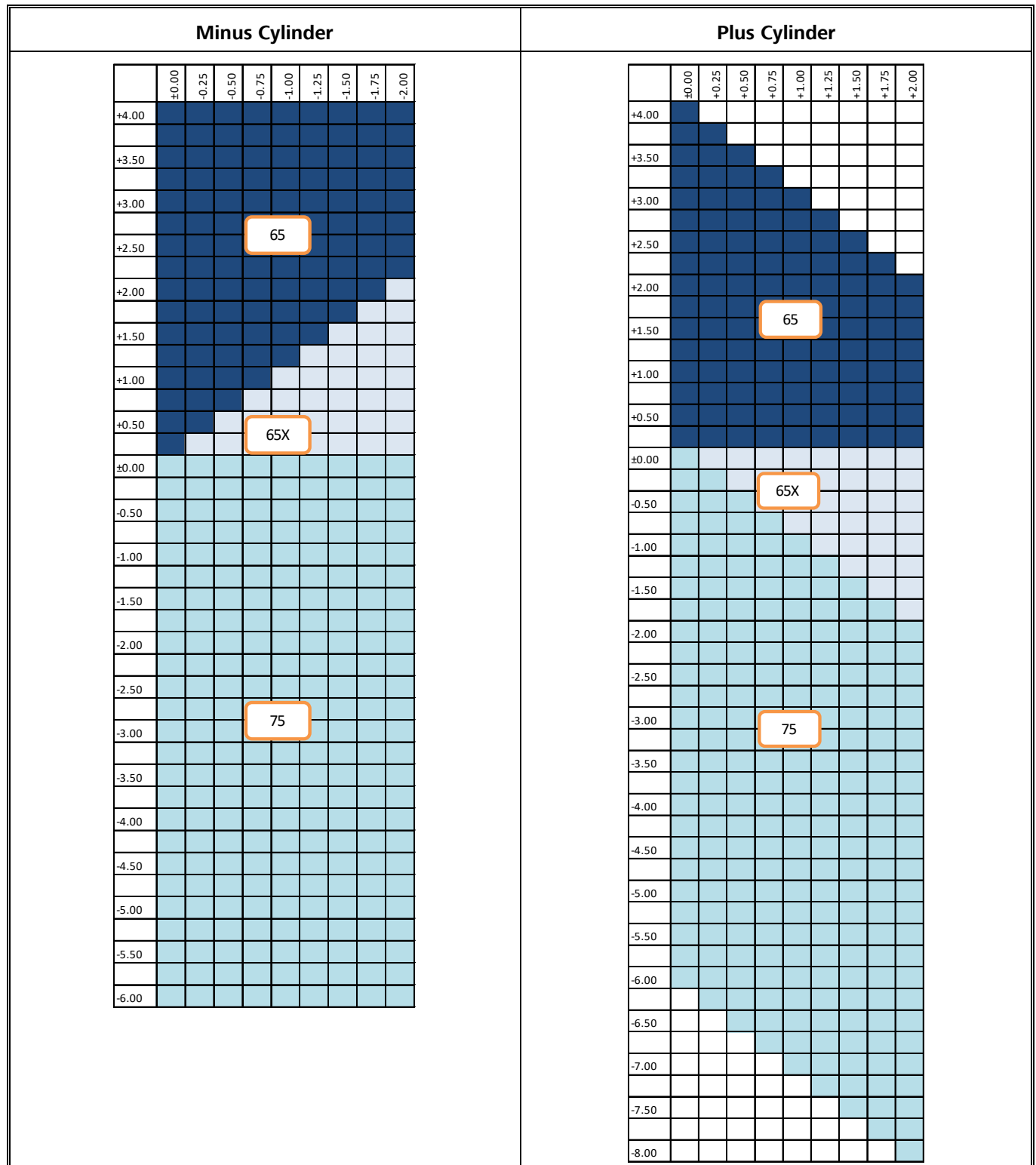
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision Platinum UV

5. Product Range:



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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					

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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

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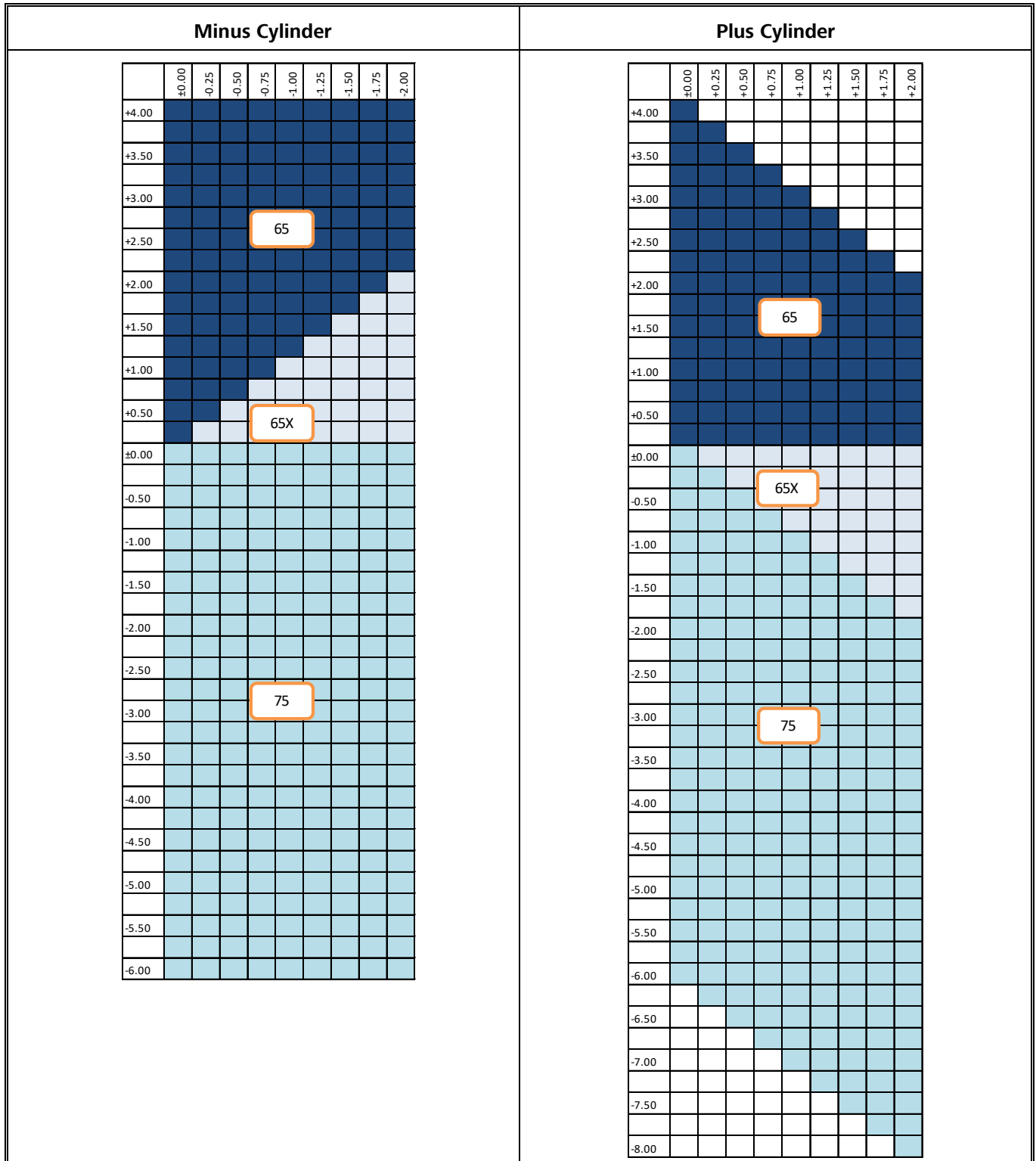
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Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision Silver UV

5. Product Range:



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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					

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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

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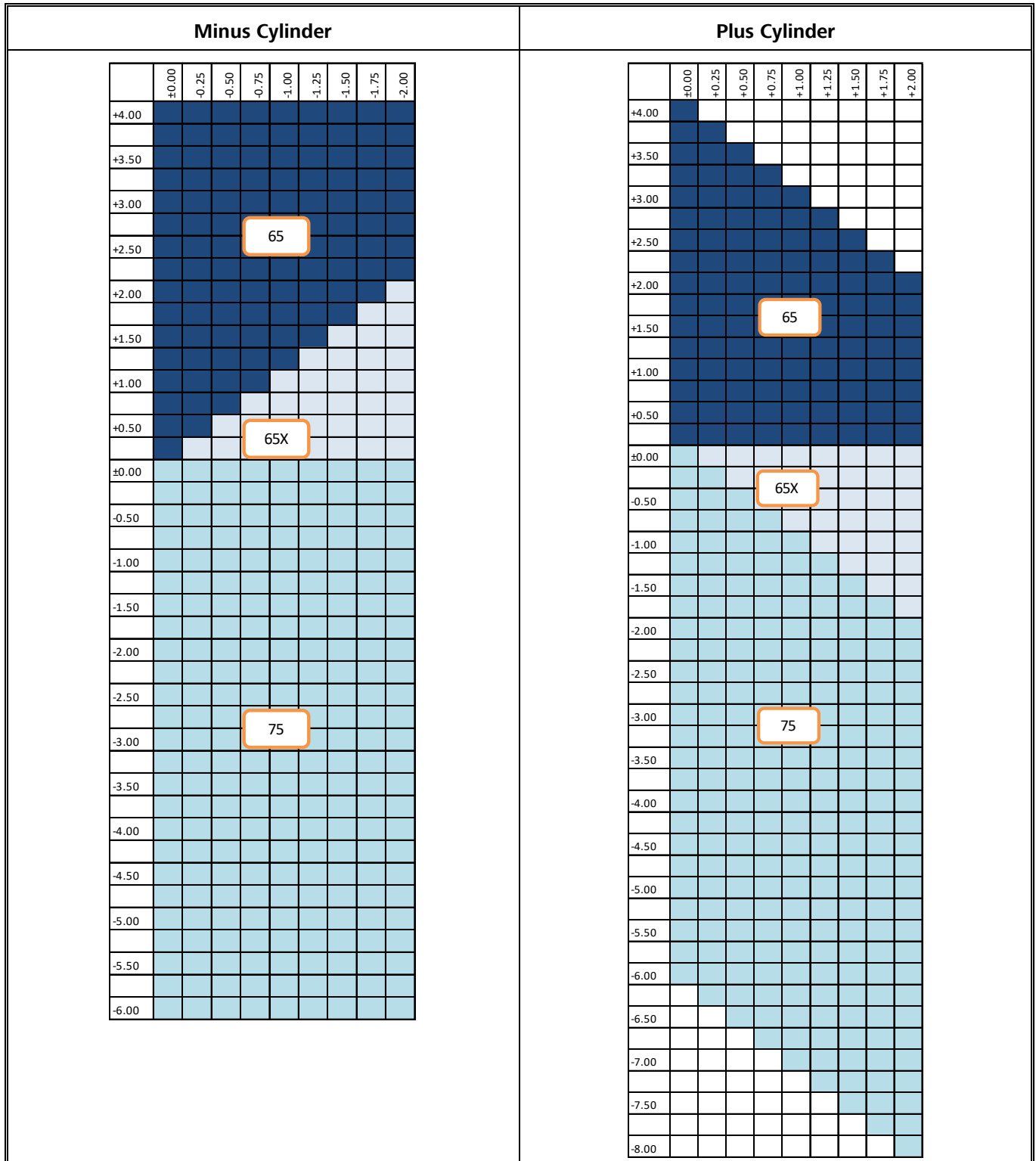
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Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision BlueProtect UV

5. Product Range:



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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					

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Reviewed by: Monika Anselm, 16 Feb 20182018

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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

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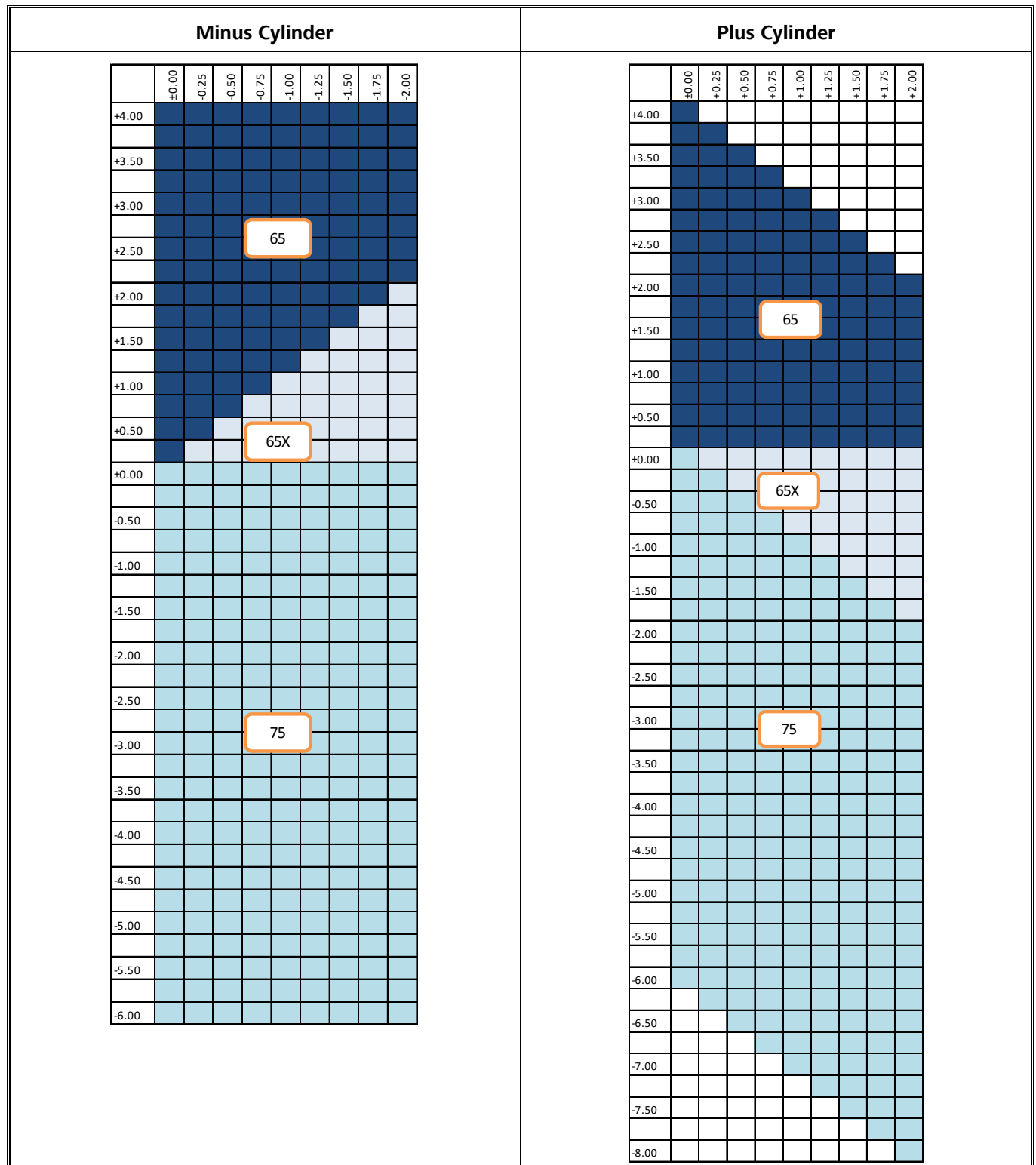
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Product Name

ZEISS Finished SV AS 1.59 UVProtect DuraVision Chrome UV

5. Product Range:



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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					

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PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.59 HMCX

1. Customer Product Codes

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

2. Material & Coating Specifications:

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

3. Design:

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

4. Product Markings: None

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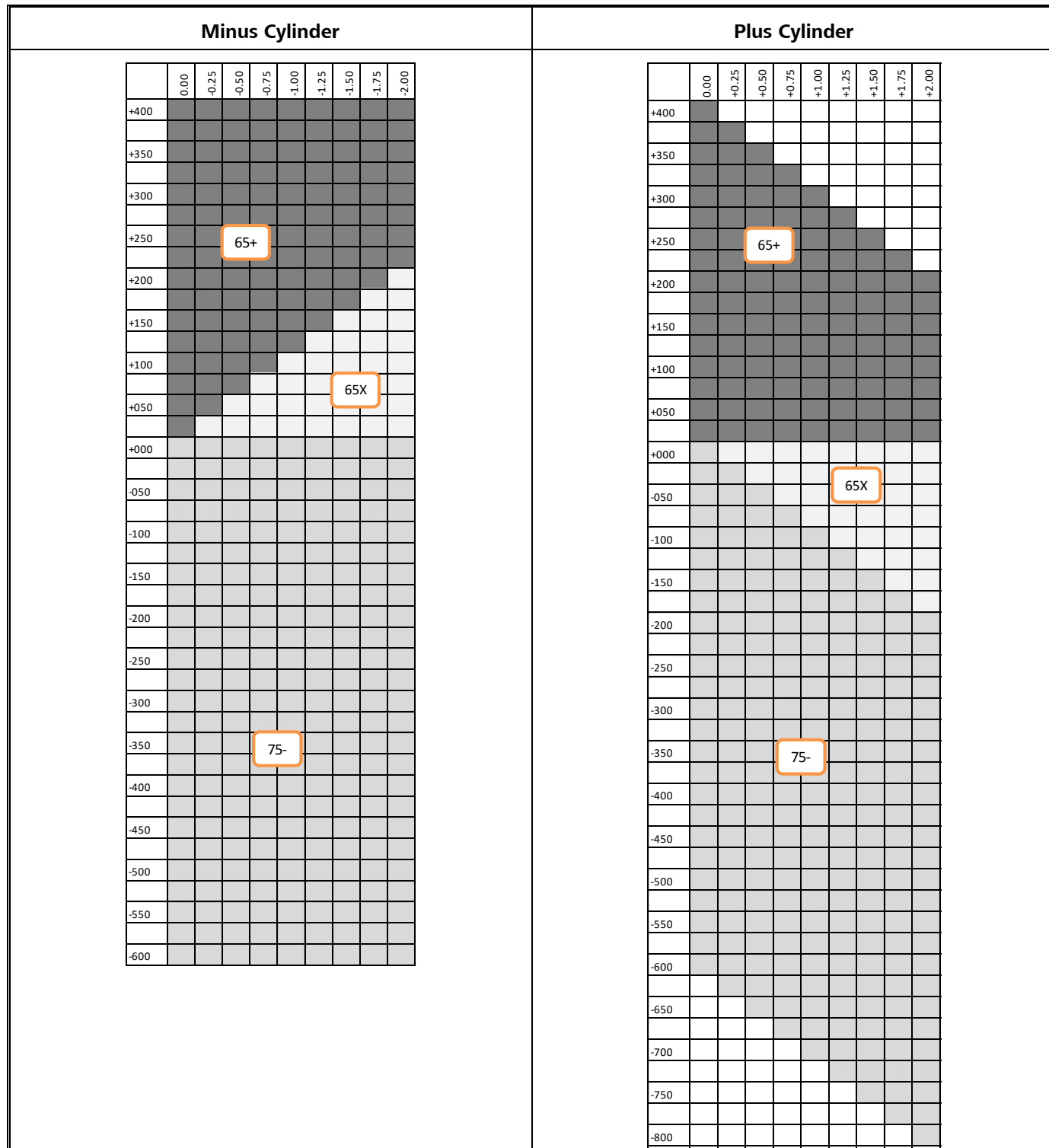
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Product Name

synchrony Finished SV AS 1.59 HMCX

5. Product Range:



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PRODUCT FACT SHEET



Product Name synchrony Finished SV AS 1.59 HMCX

6. Lens Geometry:

Notes

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

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

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

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

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

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

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Reviewed by: Geoff Riley, 21 Mar 2016

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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

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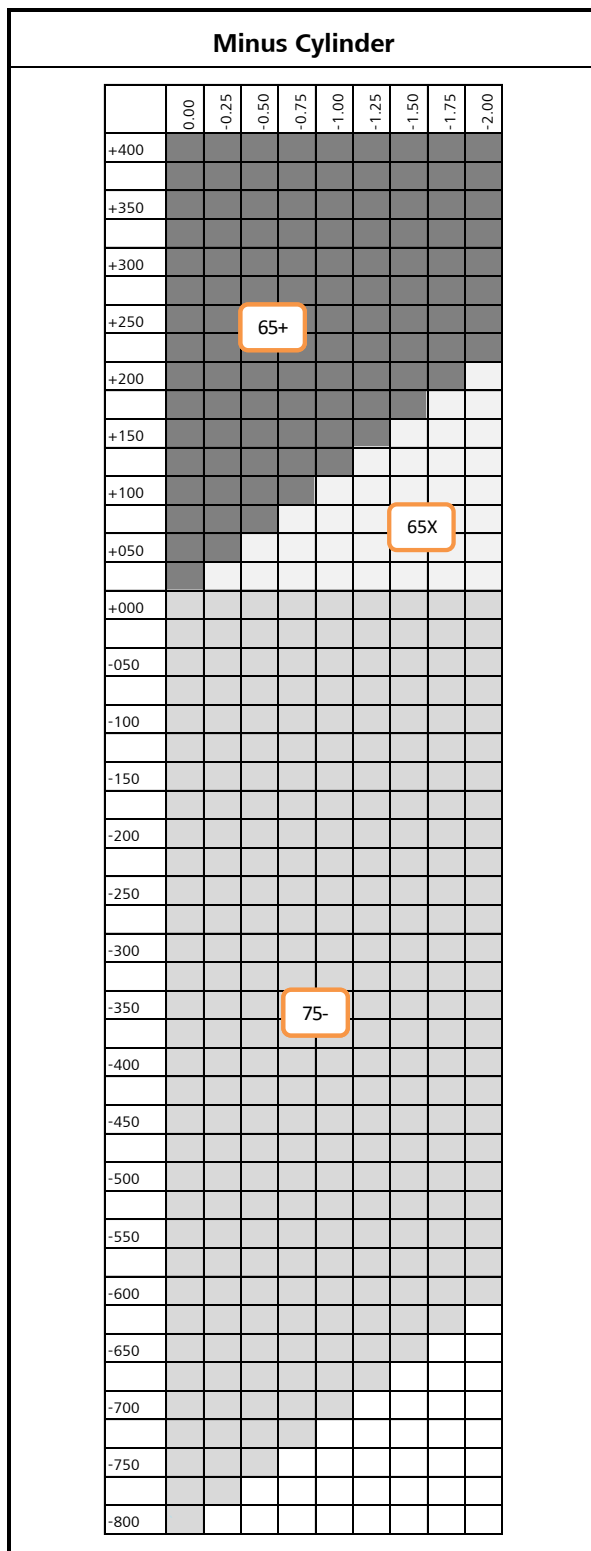
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Product Name

synchrony Finished SV SPH 1.59 HMC+

5. Product Range:



6. Lens Geometry:

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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					

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 PhotoFusion X Grey Black DuraVision Platinum UV

1. Customer Product Codes:

EDI	LGC	CAT Code	LGC Description
37508	R7511	L11	ZEISS FSV AS 159 PFX GRYB DVP 65+ V-J
	R7512		ZEISS FSV AS 159 PFX GRYB DVP 65X V-J
	R7523	L12	ZEISS FSV AS 159 PFX GRYB DVP 70- V-J

2. Material Specifications:

Type	ZEISS BlueGuard Polycarbonate Resin Polymer with PhotoFusion X coating treatment
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 30$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	DuraVision Platinum UV
Colour Appearance	Blue rest reflex colour

3. Design:

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

4. Product Markings: None

Document Number: Z01311.FS1

Reviewed by: Simone Liebich, 29 Mar 2022

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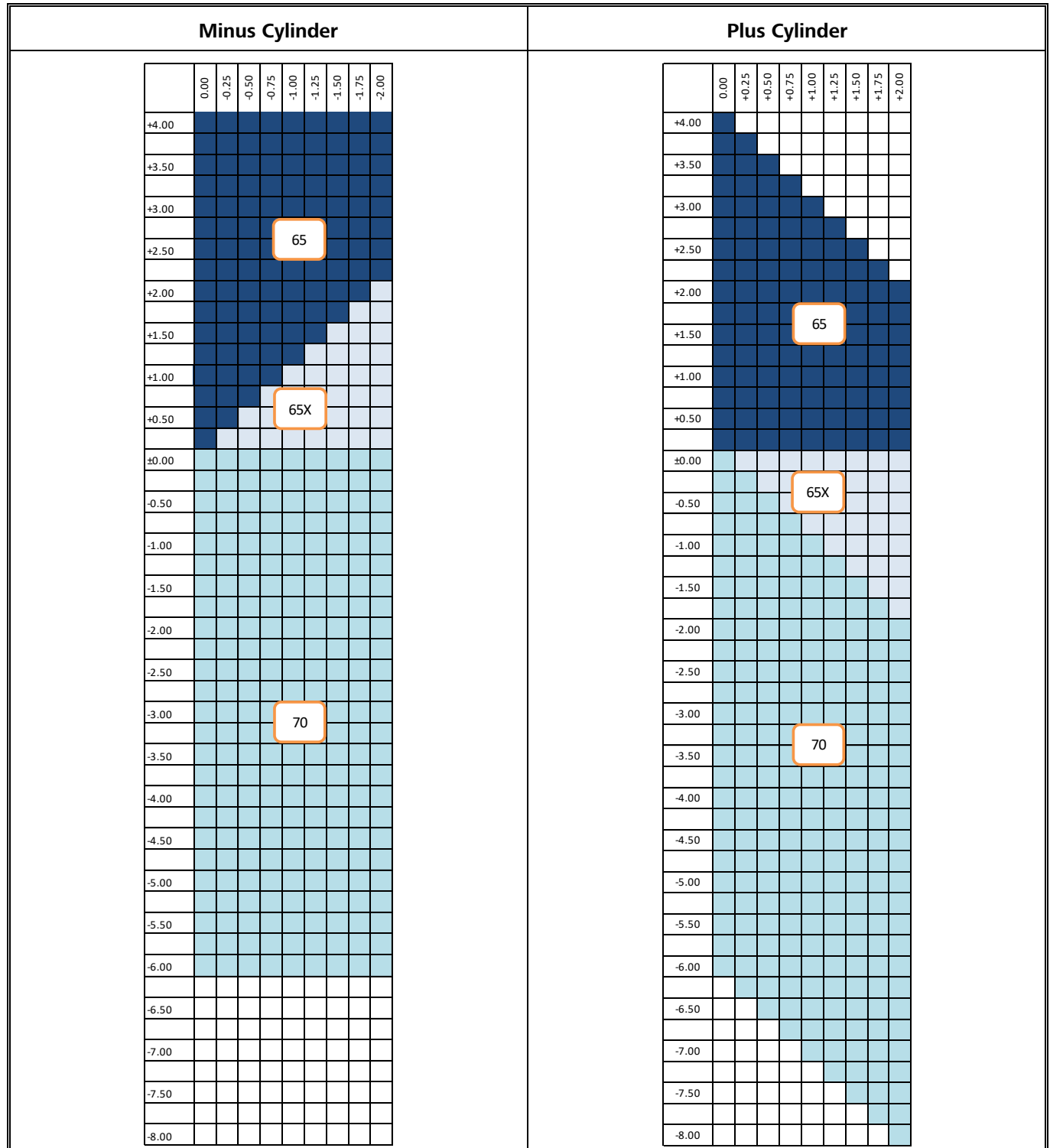
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Product Name

ZEISS Finished SV AS 1.59 PhotoFusion X Grey Black DuraVision Platinum UV

5. Recommended Range Chart:



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 PhotoFusion X Grey Black DuraVision Platinum UV

6. Lens Geometry

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index							
Power (D)	True Front Curve (D)	True Back Curve (D)	Centre Thickness (mm) (±0.20)	Power (D)	True Front Curve (D)	True Back Curve (D)	Centre Thickness (mm) (±0.20)
+4.00	4.99	1.71	4.3	+2.00	4.01	2.32	3.0
+3.75	4.99	1.90	4.2	+1.75	4.01	2.50	2.7
+3.50	4.99	2.09	4.1	+1.50	4.01	2.72	2.6
+3.25	4.99	2.29	3.9	+1.25	4.01	2.93	2.3
+3.00	4.99	2.48	3.8	+1.00	4.01	3.12	2.1
+2.75	4.01	1.72	3.5	+0.75	4.01	3.33	2.1
+2.50	4.01	1.93	3.3	+0.50	4.01	3.54	2.0
+2.25	4.01	2.12	3.2	+0.25	3.05	2.79	1.9

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index							
Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.20)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.20)
0.00	3.62	-3.64	2.0	-3.25	3.56	-6.49	1.3
-0.25	3.39	-3.64	1.9	-3.50	3.33	-6.49	1.3
-0.50	3.17	-3.64	1.8	-3.75	3.11	-6.49	1.3
-0.75	2.94	-3.64	1.7	-4.00	2.88	-6.49	1.3
-1.00	2.71	-3.64	1.6	-4.25	3.56	-7.43	1.3
-1.25	3.39	-4.54	1.5	-4.50	3.33	-7.43	1.3
-1.50	3.17	-4.54	1.4	-4.75	3.11	-7.43	1.3
-1.75	2.94	-4.54	1.4	-5.00	2.88	-7.43	1.3
-2.00	2.71	-4.54	1.4	-5.25	2.68	-7.43	1.3
-2.25	3.99	-6.02	1.3	-5.50	2.45	-7.43	1.3
-2.50	3.76	-6.02	1.3	-5.75	2.45	-7.43	1.3
-2.75	3.56	-6.02	1.3	-6.00	2.23	-7.43	1.3
-3.00	3.33	-6.02	1.3				

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Reviewed by: Simone Liebich, 29 Mar 2022

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 PhotoFusion X Grey Black DuraVision Chrome UV

1. Customer Product Codes:

EDI	LGC	CAT Code	LGC Description
37509	R7551	L15	ZEISS FSV AS 159 PFX GRYB DVC 65+ V-J
	R7552		ZEISS FSV AS 159 PFX GRYB DVC 65+ V-J
	R7563	L16	ZEISS FSV AS 159 PFX GRYB DVC 70- V-J

2. Material Specifications:

Type	ZEISS BlueGuard Polycarbonate Resin Polymer with PhotoFusion X coating treatment
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 30$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 % 2.0 mm Centre Thickness
Coating Type	DuraVision Chrome UV
Colour Appearance	Green residual reflection colour

3. Design:

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

4. Product Markings: None

Document Number: Z01310.FS1

Reviewed by: Simone Liebich, 29 Mar 2022

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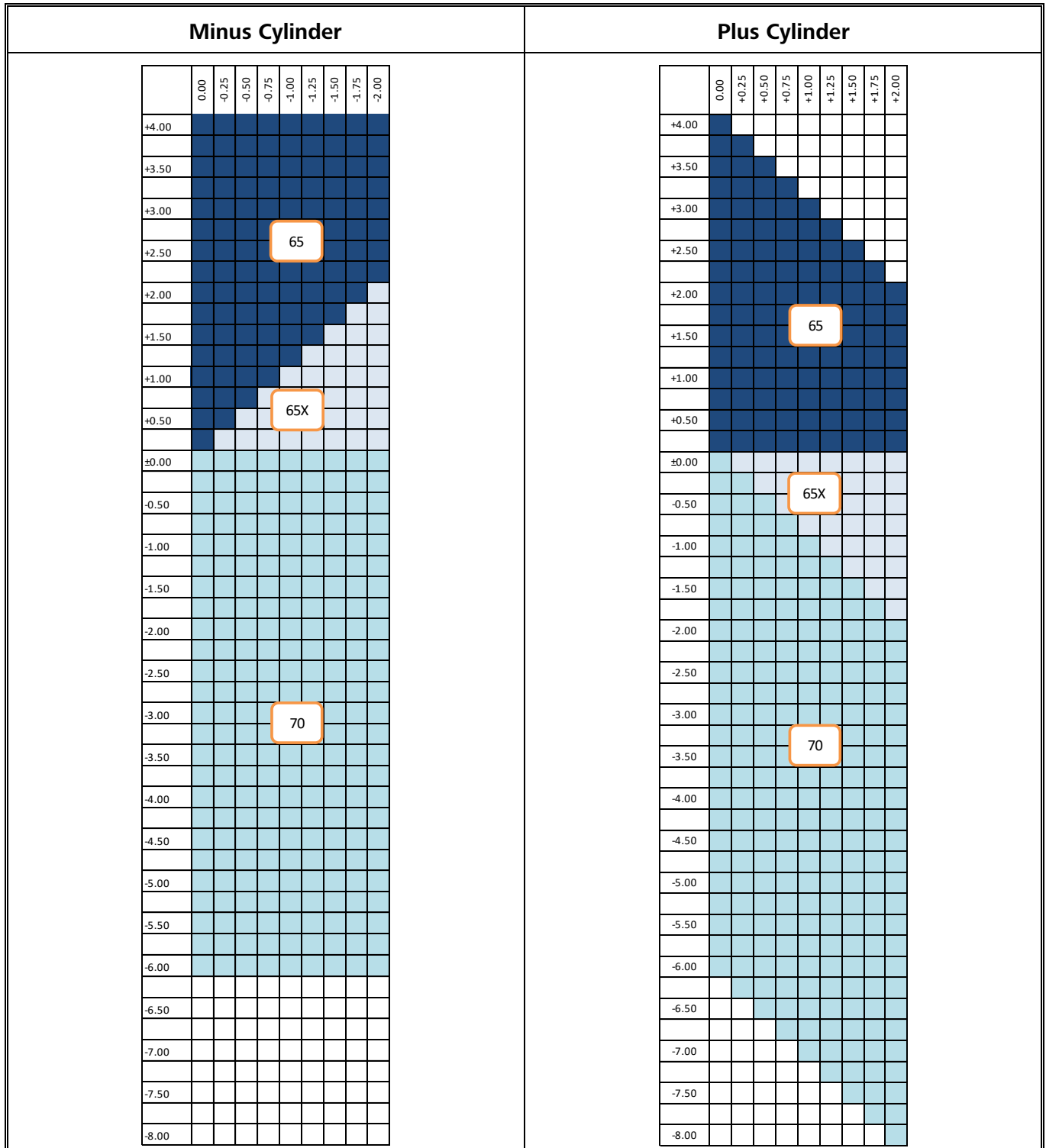
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Product Name

ZEISS Finished SV AS 1.59 PhotoFusion X Grey Black DuraVision Chrome UV

5. Recommended Range Chart:



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 PhotoFusion X Grey Black DuraVision Chrome UV

6. Lens Geometry

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index							
Power (D)	True Front Curve (D)	True Back Curve (D)	Centre Thickness (mm) (±0.20)	Power (D)	True Front Curve (D)	True Back Curve (D)	Centre Thickness (mm) (±0.20)
+4.00	4.99	1.71	4.3	+2.00	4.01	2.32	3.0
+3.75	4.99	1.90	4.2	+1.75	4.01	2.50	2.7
+3.50	4.99	2.09	4.1	+1.50	4.01	2.72	2.6
+3.25	4.99	2.29	3.9	+1.25	4.01	2.93	2.3
+3.00	4.99	2.48	3.8	+1.00	4.01	3.12	2.1
+2.75	4.01	1.72	3.5	+0.75	4.01	3.33	2.1
+2.50	4.01	1.93	3.3	+0.50	4.01	3.54	2.0
+2.25	4.01	2.12	3.2	+0.25	3.05	2.79	1.9

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index							
Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.20)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.20)
-0.00	3.62	-3.64	2.0	-3.25	3.56	-6.49	1.3
-0.25	3.39	-3.64	1.9	-3.50	3.33	-6.49	1.3
-0.50	3.17	-3.64	1.8	-3.75	3.11	-6.49	1.3
-0.75	2.94	-3.64	1.7	-4.00	2.88	-6.49	1.3
-1.00	2.71	-3.64	1.6	-4.25	3.56	-7.43	1.3
-1.25	3.39	-4.54	1.5	-4.50	3.33	-7.43	1.3
-1.50	3.17	-4.54	1.4	-4.75	3.11	-7.43	1.3
-1.75	2.94	-4.54	1.4	-5.00	2.88	-7.43	1.3
-2.00	2.71	-4.54	1.4	-5.25	2.68	-7.43	1.3
-2.25	3.99	-6.02	1.3	-5.50	2.45	-7.43	1.3
-2.50	3.76	-6.02	1.3	-5.75	2.45	-7.43	1.3
-2.75	3.56	-6.02	1.3	-6.00	2.23	-7.43	1.3
-3.00	3.33	-6.02	1.3				

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Reviewed by: Simone Liebich, 29 Mar 2022

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 PhotoFusion X Brown DuraVision Chrome UV

1. Customer Product Codes:

EDI	LGC	CAT Code	LGC Description
37512	R7591	L19	ZEISS FSV AS 159 PFX BRN DVC 65+ V-J
	R7592		ZEISS FSV AS 159 PFX BRN DVC 65X V-J
	R7603	L20	ZEISS FSV AS 159 PFX BRN DVC 70- V-J

2. Material Specifications:

Type	ZEISS BlueGuard Polycarbonate Resin Polymer with PhotoFusion X coating treatment
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30$ $v_e = 30$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 % 2.0 mm Centre Thickness
Coating Type	DuraVision Chrome UV
Colour Appearance	Green residual reflection colour

3. Design:

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

4. Product Markings: None

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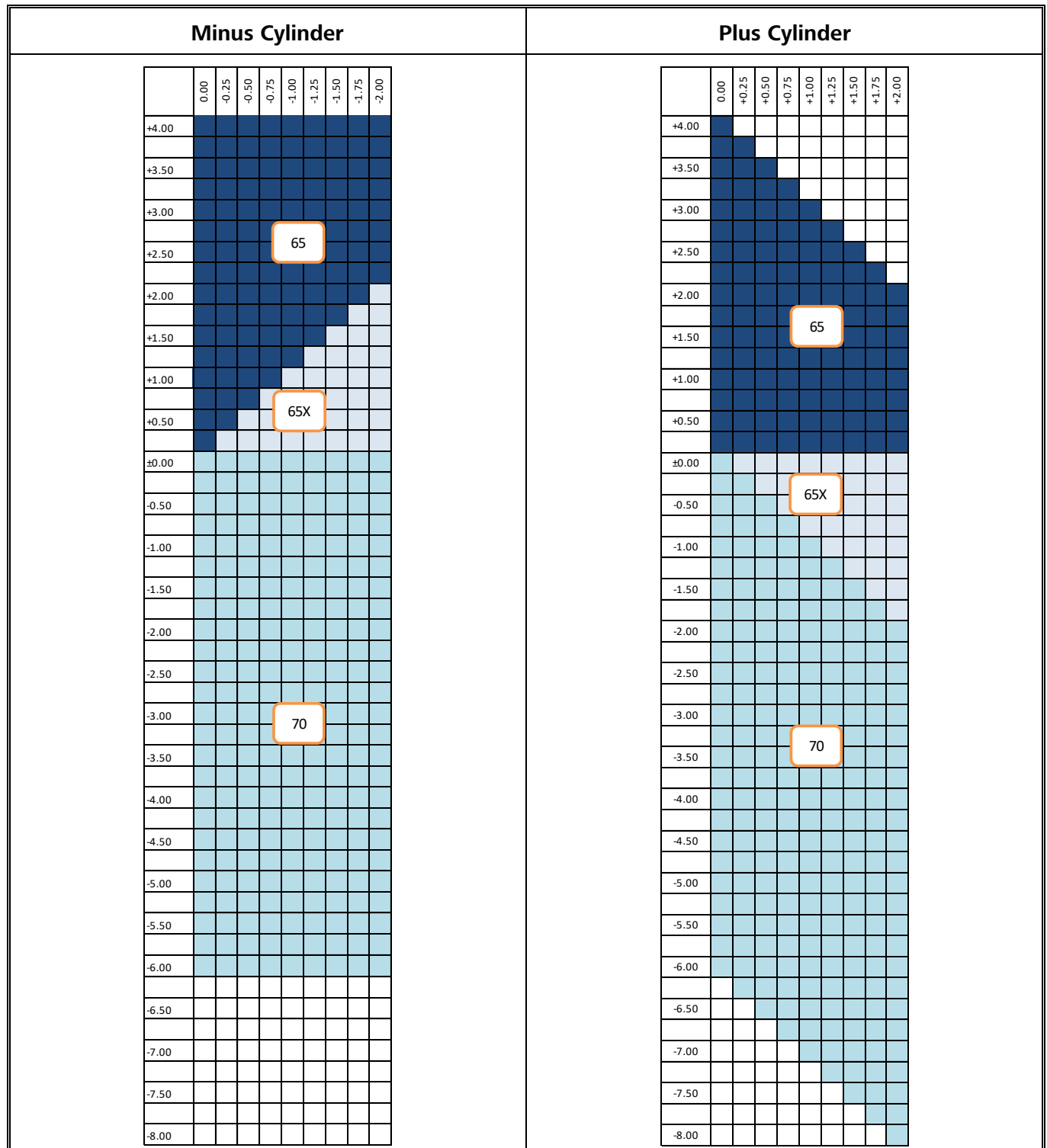
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 PhotoFusion X Brown DuraVision Chrome UV

5. Recommended Range Chart:



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PRODUCT FACT SHEET



Product Name ZEISS Finished SV AS 1.59 PhotoFusion X Brown DuraVision Chrome UV

6. Lens Geometry

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index									
Power (D)	True Front Curve (D)	True Back Curve (D)	Centre Thickness (mm) (±0.20)	ET (mm)*	Power (D)	True Front Curve (D)	True Back Curve (D)	Centre Thickness (mm) (±0.20)	ET (mm)*
+4.00	4.99	1.71	4.3	0.9	+2.00	4.01	2.32	3.0	1.3
+3.75	4.99	1.90	4.2	1.0	+1.75	4.01	2.50	2.7	1.1
+3.50	4.99	2.09	4.1	1.1	+1.50	4.01	2.72	2.6	1.3
+3.25	4.99	2.29	3.9	1.1	+1.25	4.01	2.93	2.3	1.2
+3.00	4.99	2.48	3.8	1.2	+1.00	4.01	3.12	2.2	1.2
+2.75	4.01	1.72	3.5	1.2	+0.75	4.01	3.33	2.1	1.4
+2.50	4.01	1.93	3.3	1.2	+0.50	4.01	3.54	2.0	1.5
+2.25	4.01	2.12	3.2	1.3	+0.25	3.05	2.79	1.9	1.6

*for information only

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index									
Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.20)	ET (mm)*	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.20)	ET (mm)*
-0.00	3.62	-3.64	2.0	2.0	-3.25	3.56	-6.49	1.3	5.0
-0.25	3.39	-3.64	1.9	2.2	-3.50	3.33	-6.49	1.3	5.3
-0.50	3.17	-3.64	1.8	2.4	-3.75	3.11	-6.49	1.3	5.5
-0.75	2.94	-3.64	1.7	2.5	-4.00	2.88	-6.49	1.3	5.8
-1.00	2.71	-3.64	1.6	2.7	-4.25	3.56	-7.43	1.3	6.3
-1.25	3.39	-4.54	1.5	2.9	-4.50	3.33	-7.43	1.3	6.6
-1.50	3.17	-4.54	1.4	3.1	-4.75	3.11	-7.43	1.3	6.8
-1.75	2.94	-4.54	1.4	3.3	-5.00	2.88	-7.43	1.3	7.1
-2.00	2.71	-4.54	1.4	3.6	-5.25	2.68	-7.43	1.3	7.4
-2.25	3.99	-6.02	1.3	3.9	-5.50	2.45	-7.43	1.3	7.6
-2.50	3.76	-6.02	1.3	4.1	-5.75	2.23	-7.43	1.3	7.9
-2.75	3.56	-6.02	1.3	4.4	-6.00	2.00	-7.43	1.3	8.2
-3.00	3.33	-6.02	1.3	4.7					

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Product Name ZEISS Finished SV AS 1.59 PhotoFusion X Grey Black HART

1. Customer Product Codes:

EDI	LGC	CAT Code	LGC Description
37507	R7611	L21	ZEISS FSV AS 159 PFX GRYB HA 65+ V-J
	R7612		ZEISS FSV AS 159 PFX GRYB HA 65X V-J
	R7623	L22	ZEISS FSV AS 159 PFX GRYB HA 70- V-J

2. Material Specifications:

Type	ZEISS BlueGuard Polycarbonate Resin Polymer with PhotoFusion X coating treatment
Refractive Index	$n_d = 1.586$ $n_e = 1.590$
Abbe Number	$v_d = 30 \pm 2$ $v_e = 30 \pm 2$
Density	1.20 g/cm ³
UV Protection (ISO)	UVA: 100 %, UVB: 100 % 2.0 mm Centre Thickness
Coating Type	Hardcoat

3. Design:

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

4. Product Markings: None

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Reviewed by: Simone Liebich, 29 Mar 2022

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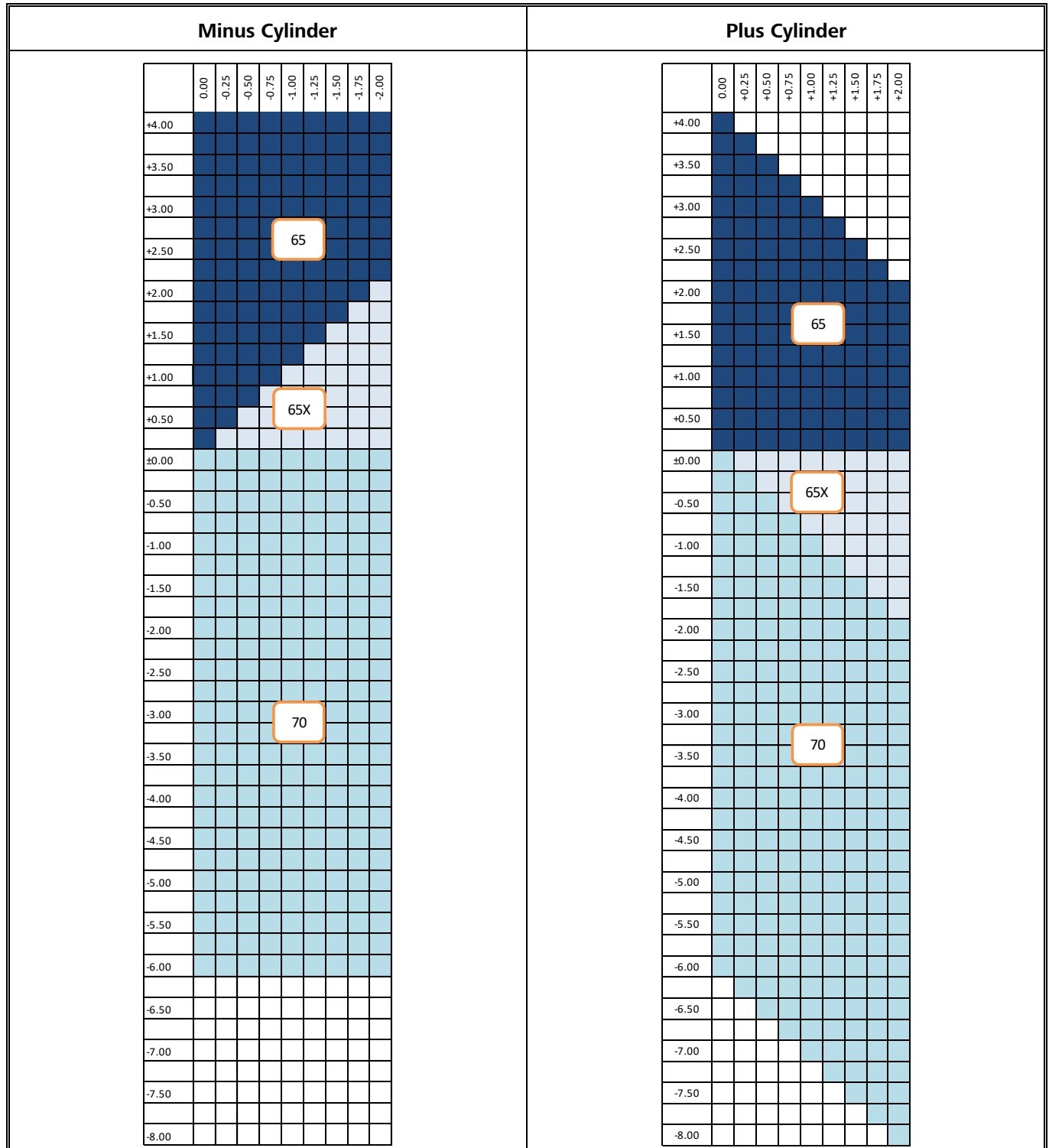
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 PhotoFusion X Grey Black HART

5. Recommended Range Chart:



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Product Name

ZEISS Finished SV AS 1.59 PhotoFusion X Grey Black HART

6. Lens Geometry

(Nominal Values) 65 mm Plus Range (Sphere Geometry) in 1.530 Index							
Power (D)	True Front Curve (D)	True Back Curve (D)	Centre Thickness (mm) (±0.20)	Power (D)	True Front Curve (D)	True Back Curve (D)	Centre Thickness (mm) (±0.20)
+4.00	4.99	1.71	4.3	+2.00	4.01	2.32	3.0
+3.75	4.99	1.90	4.2	+1.75	4.01	2.50	2.7
+3.50	4.99	2.09	4.1	+1.50	4.01	2.72	2.6
+3.25	4.99	2.29	3.9	+1.25	4.01	2.93	2.3
+3.00	4.99	2.48	3.8	+1.00	4.01	3.12	2.1
+2.75	4.01	1.72	3.5	+0.75	4.01	3.33	2.1
+2.50	4.01	1.93	3.3	+0.50	4.01	3.54	2.0
+2.25	4.01	2.12	3.2	+0.25	3.05	2.79	1.9

(Nominal Values) 70 mm Minus Range (Sphere Geometry) in 1.530 Index							
Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.20)	Power (D)	Front Curve (D)	Nominal Back Curve (D)	Centre Thickness (mm) (±0.20)
0.00	3.62	-3.64	2.0	-3.25	3.56	-6.49	1.3
-0.25	3.39	-3.64	1.9	-3.50	3.33	-6.49	1.3
-0.50	3.17	-3.64	1.8	-3.75	3.11	-6.49	1.3
-0.75	2.94	-3.64	1.7	-4.00	2.88	-6.49	1.3
-1.00	2.71	-3.64	1.6	-4.25	3.56	-7.43	1.3
-1.25	3.39	-4.54	1.5	-4.50	3.33	-7.43	1.3
-1.50	3.17	-4.54	1.4	-4.75	3.11	-7.43	1.3
-1.75	2.94	-4.54	1.4	-5.00	2.88	-7.43	1.3
-2.00	2.71	-4.54	1.4	-5.25	2.68	-7.43	1.3
-2.25	3.99	-6.02	1.3	-5.50	2.45	-7.43	1.3
-2.50	3.76	-6.02	1.3	-5.75	2.45	-7.43	1.3
-2.75	3.56	-6.02	1.3	-6.00	2.23	-7.43	1.3
-3.00	3.33	-6.02	1.3				

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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

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Reviewed by: Monika Anselm, 19 Feb 2018

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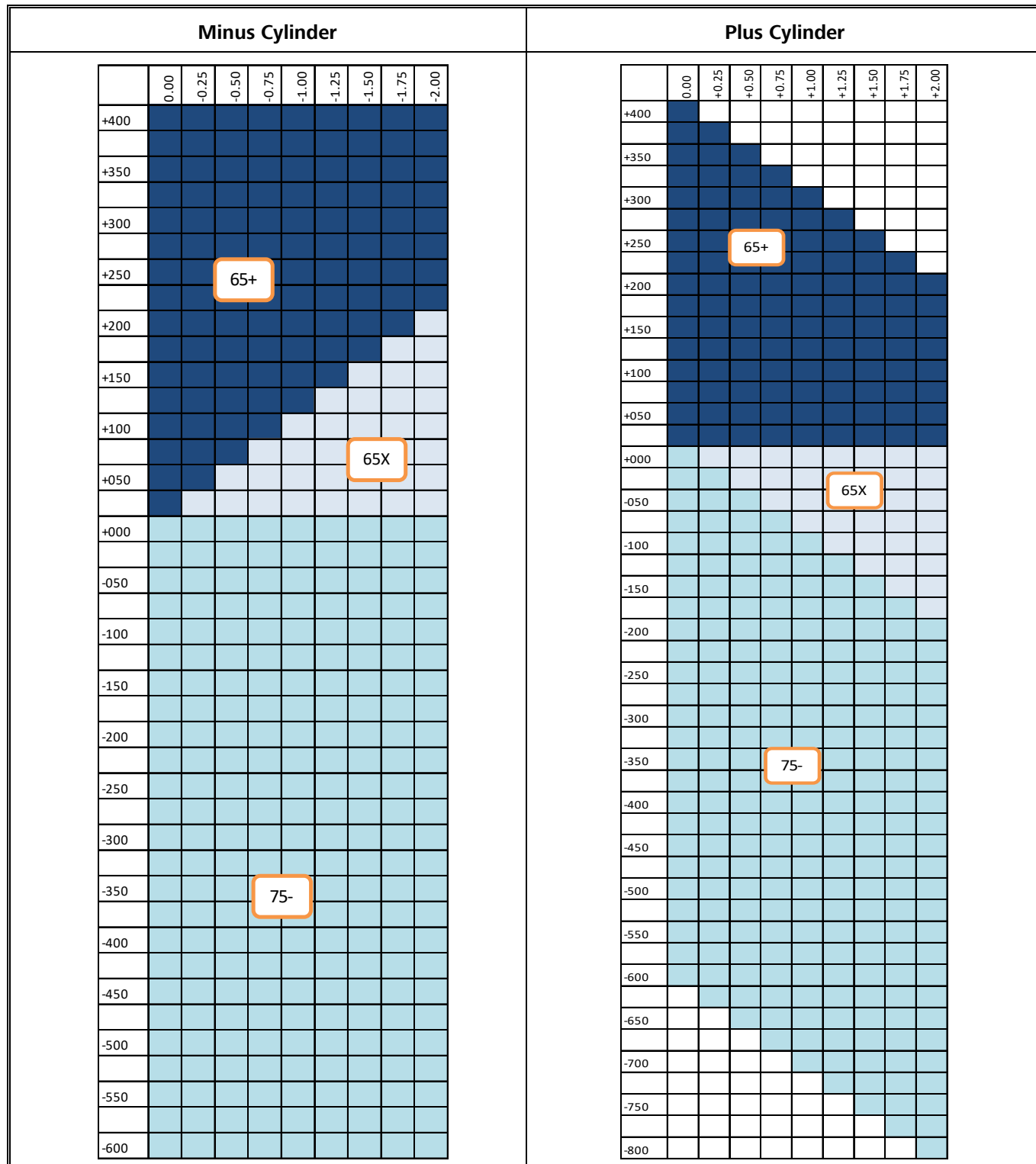
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV AS 1.59 UVProtect HART

5. Product Range:



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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					

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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									
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7.25																			
7.50																			
7.75																			
8.00																			

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

Lens Geometry:

Aspheric 65mm and Spherical 75mm

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

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

PRODUCT FACT SHEET



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

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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

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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

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Reviewed by: Geoff Riley, 31 Mar 2016

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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

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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																			
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0.50										0.50									
0.75										0.75									
1.00										1.00									
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1.50										1.50									
1.75										1.75									
2.00										2.00									
2.25										2.25									
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7.50																			
7.75																			
8.00																			

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

Lens Geometry:

ZEISS PRODUCT REFERENCE GUIDE

Polycarbonate

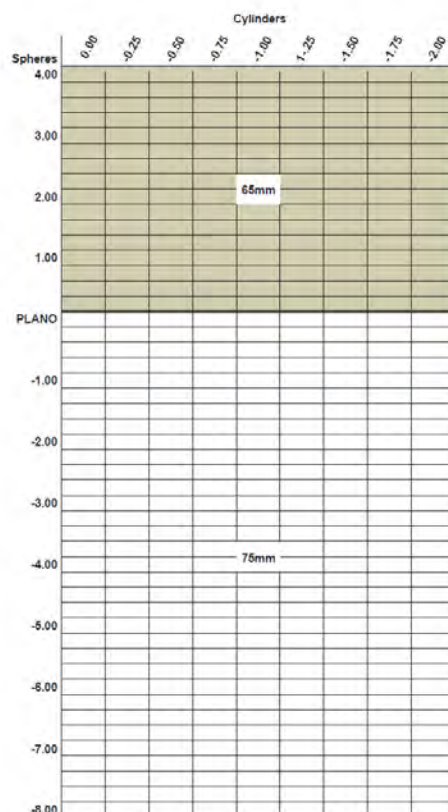
Zeiss Spherical FSV

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

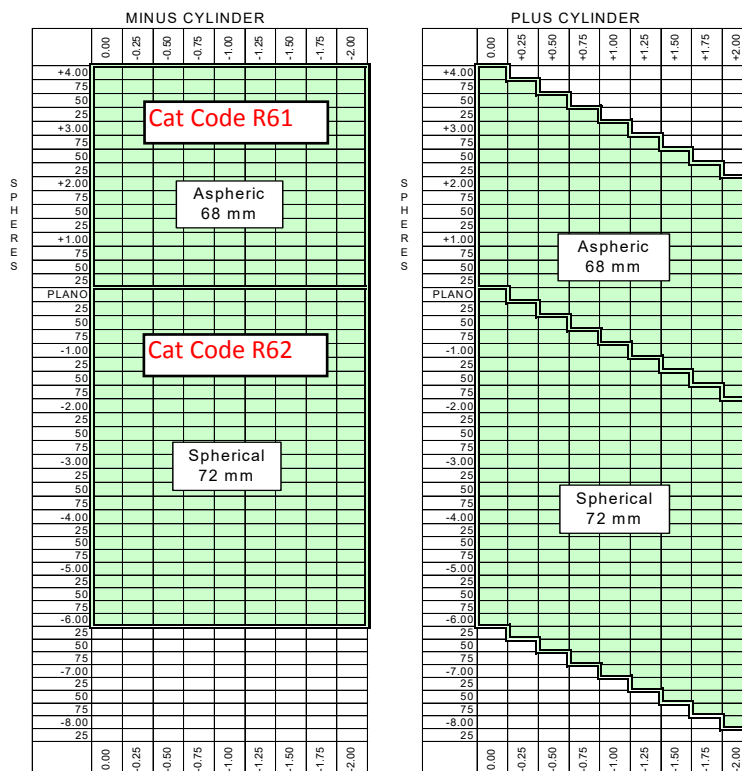
Date : 28 Feb 2003

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:

<i>Nominal Values : 68 mm ASPHERIC PLUS RANGE (Sphere Geometry) in 1.530 Index</i>						
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

<i>Nominal Values : 72 mm SPHERICAL MINUS RANGE (Sphere Geometry) in 1.530 Index</i>						
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									
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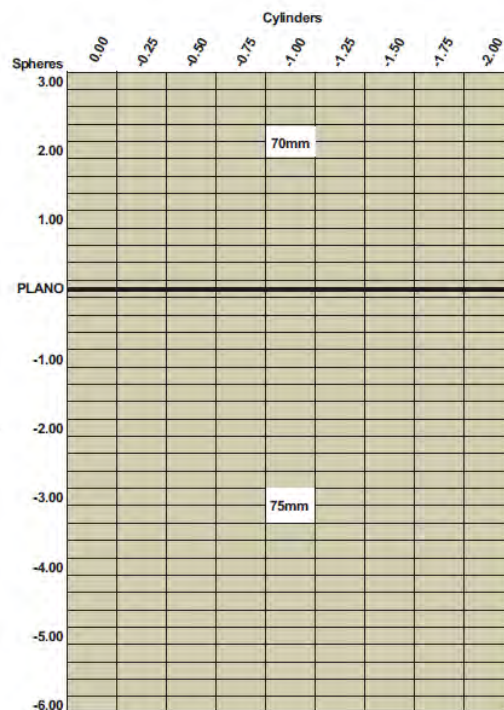
Reference	:	00372.FS3			
Date	:	24 Oct 2013	Page	:	3 of 3

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

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Reviewed by: Stefan Neissner, 22 Feb 2018

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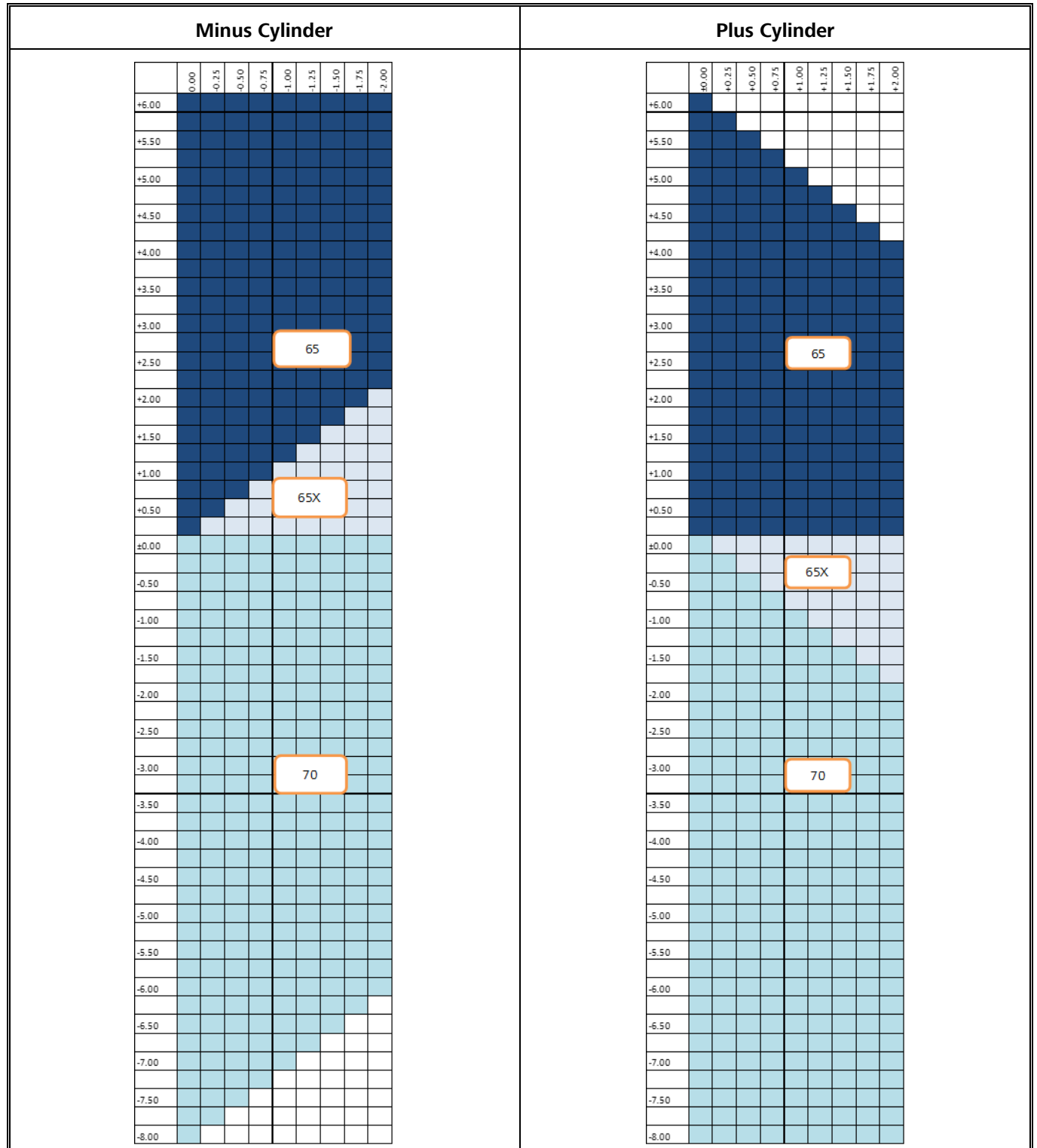
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.53 UVProtect DuraVision Platinum UV

5. Product Range:



Document Number: Z00981.FS1

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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

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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				D84
	T8223	ZEISS FSV SPH 153 DVBP 70- U-D				

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
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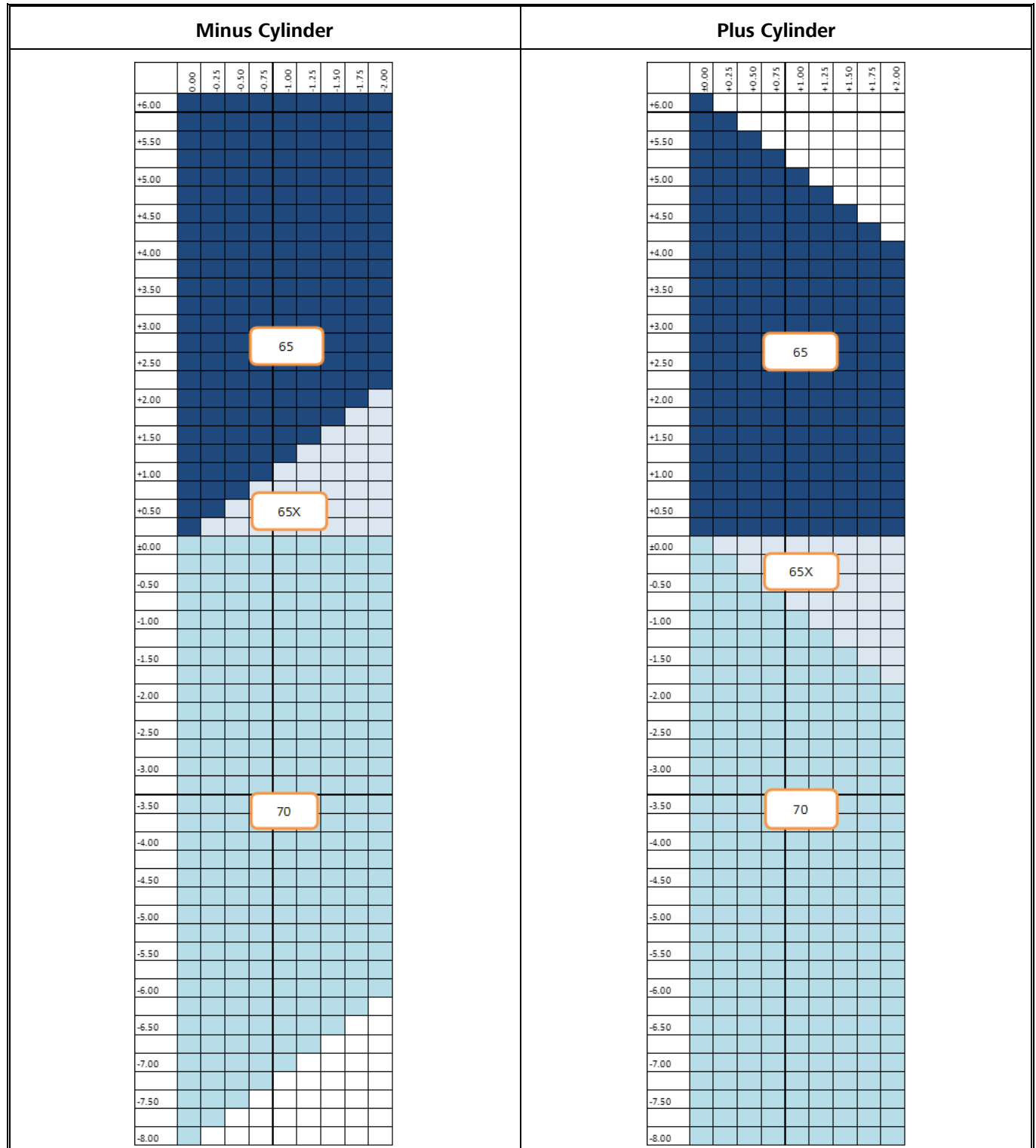
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.53 UVProtect DuraVision BlueProtect UV

4. Product Range:



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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

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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					

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PRODUCT FACT SHEET

Product Name synchrony Finished SV SPH 1.53 HC

1. Customer Product Codes

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

2. Material & Coating Specifications:

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

3. Design:

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

4. Product Markings: None

Document Number: 00617.FS1

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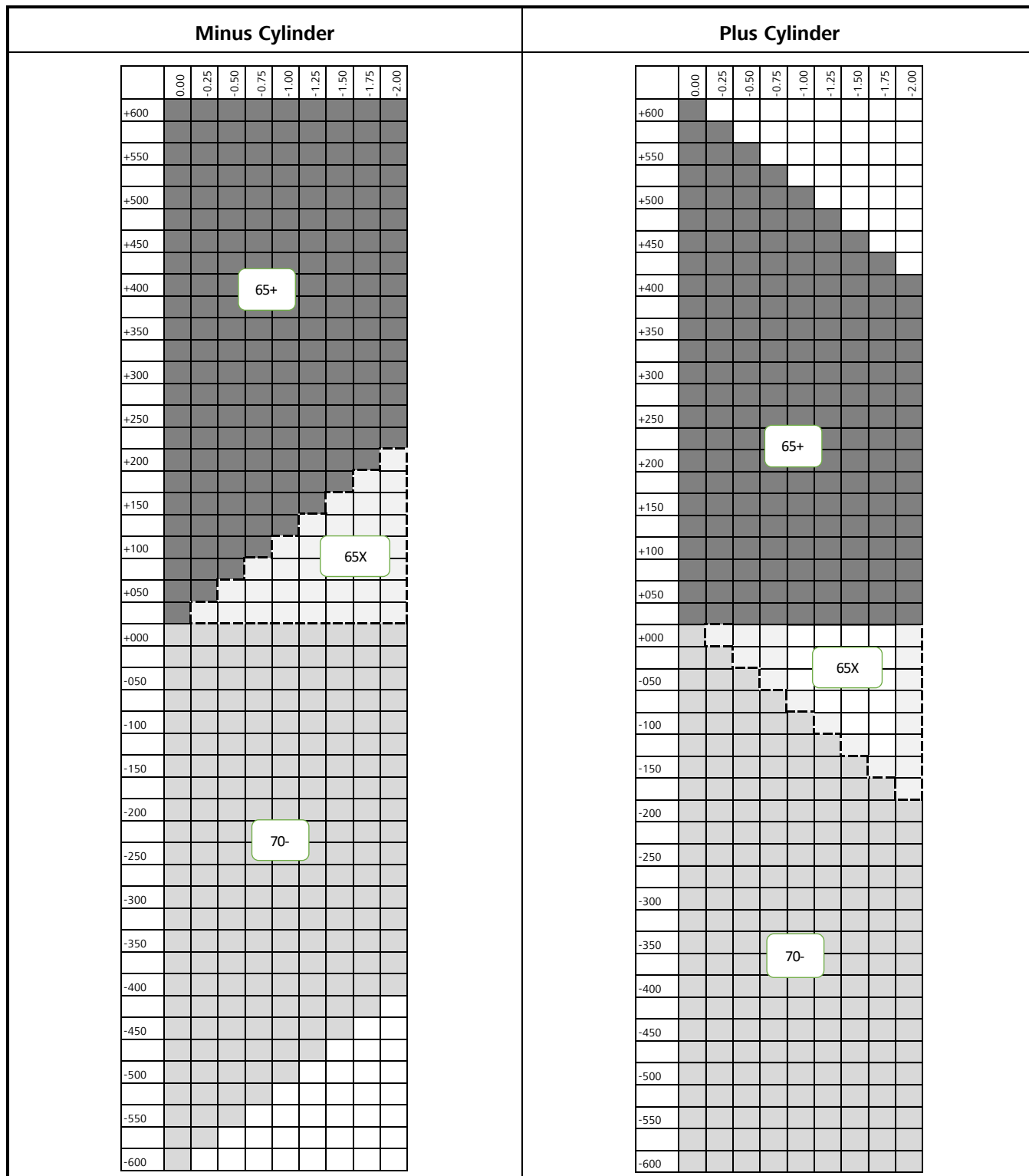
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PRODUCT FACT SHEET

Product Name

synchrony Finished SV SPH 1.53 HC

5. Product Range:



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Reviewed by: Geoff Riley, 01 Sep 2017

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PRODUCT FACT SHEET

Product Name synchrony Finished SV SPH 1.53 HC

6. Lens Geometry: (Sphere Powers only)

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

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

6.1 Lens Thickness tolerance:

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

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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 BlueGuard DuraVision Platinum UV

1. Customer Product Codes:

EDI	LGC	CAT	LGC Description
35060	R5611	J60	ZEISS FSV SPH 15 BL DVP 65+ V-J
	R5621	J61	ZEISS FSV SPH 15 BL DVP 70+ V-J
	R5622		ZEISS FSV SPH 15 BL DVP 70X V-J
	R5623	J62	ZEISS FSV SPH 15 BL DVP 70- V-J

2. Material & Coating Specifications:

Type	ZEISS BlueGuard 1.50 allylic Resin Polymer
Refractive Index	nd = 1.500 ±0.001 (Helium 'd' line 587.56nm) ne = 1.502 ±0.001 (Mercury 'e' line 546.07nm)
Abbe Number	vd = 58 ±2 ve = 58 ±2
Density	1.32 ±0.01 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

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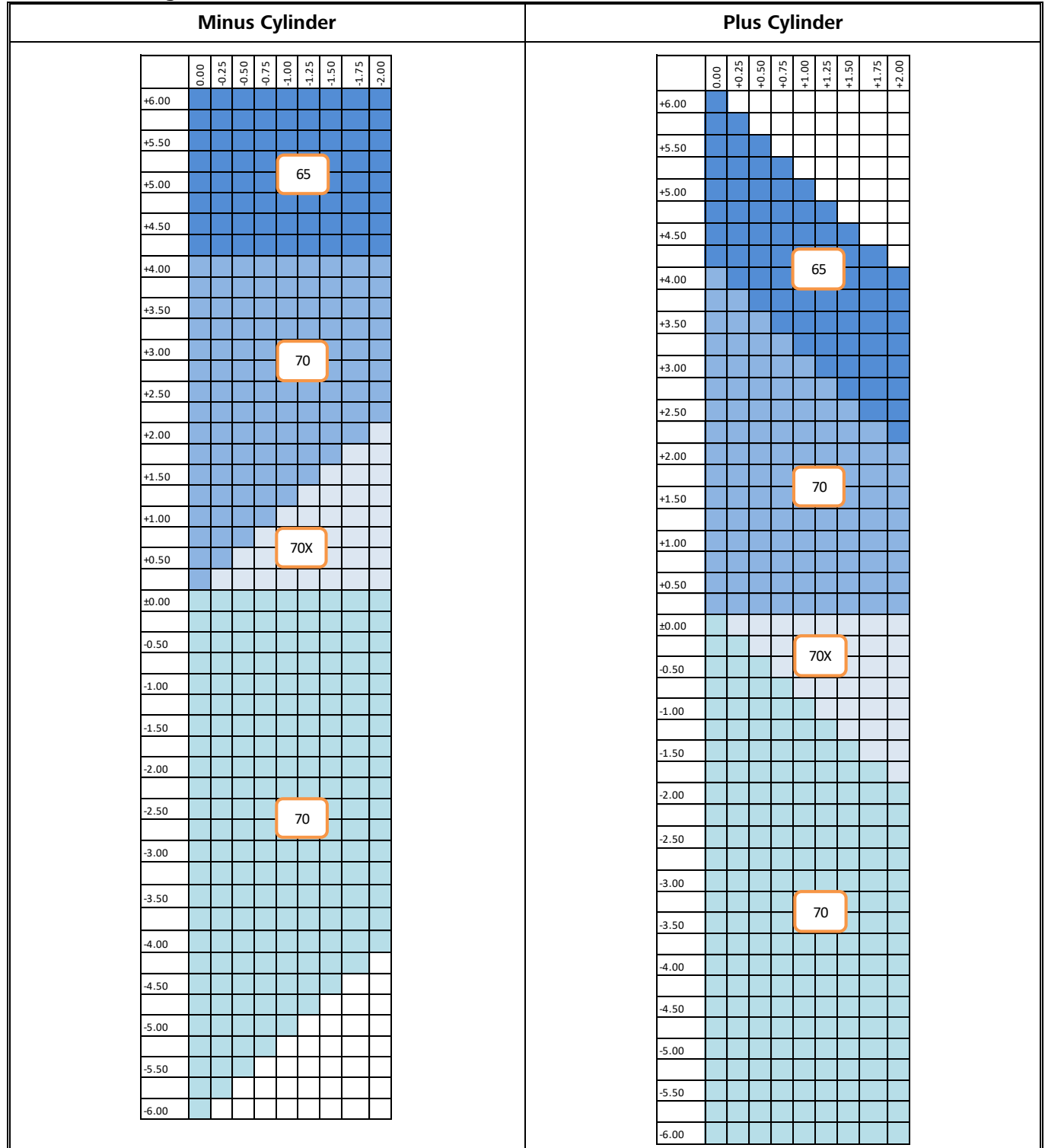
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Product Name

ZEISS Finished SV SPH 1.5 BlueGuard DuraVision Platinum UV

5. Product Range:



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 BlueGuard DuraVision Platinum UV

6. Lens Geometry:

Nominal Values: 65mm Plus Range (Sphere Geometry Only) in 1.530 Index									
Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)
+6.00	+8.78	-2.80	7.7	1.0	+4.75	+7.61	-2.80	6.2	1.0
+5.75	+8.55	-2.80	7.4	1.0	+4.50	+7.37	-2.80	6.0	1.0
+5.50	+8.32	-2.80	7.1	1.0	+4.25	+7.55	-3.25	5.7	1.0
+5.25	+8.09	-2.80	6.8	1.0					
+5.00	+7.85	-2.80	6.5	1.0					

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

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

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PRODUCT FACT SHEET



Product Name 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

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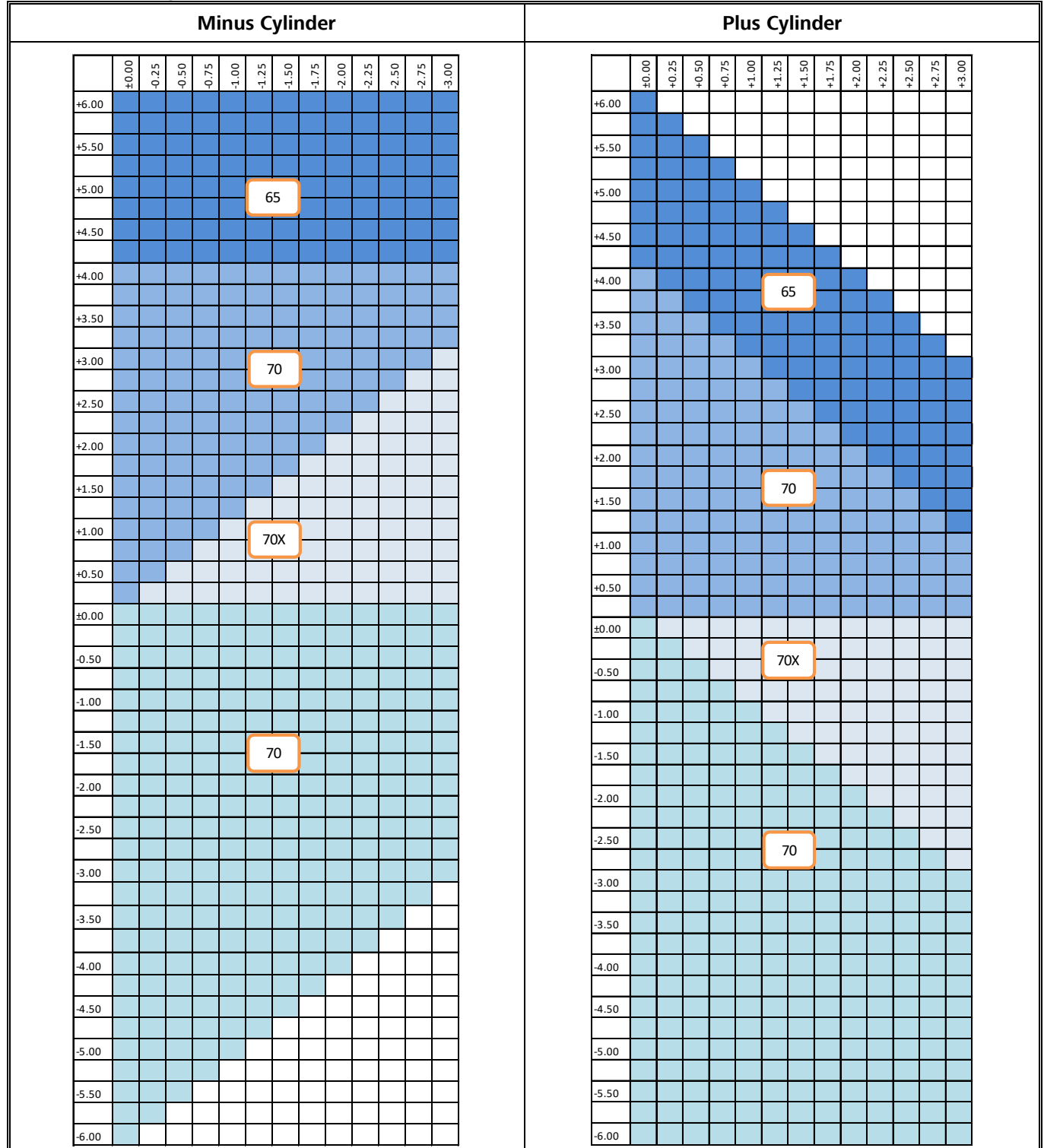
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision Platinum UV

5. Product Range:



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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

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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

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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

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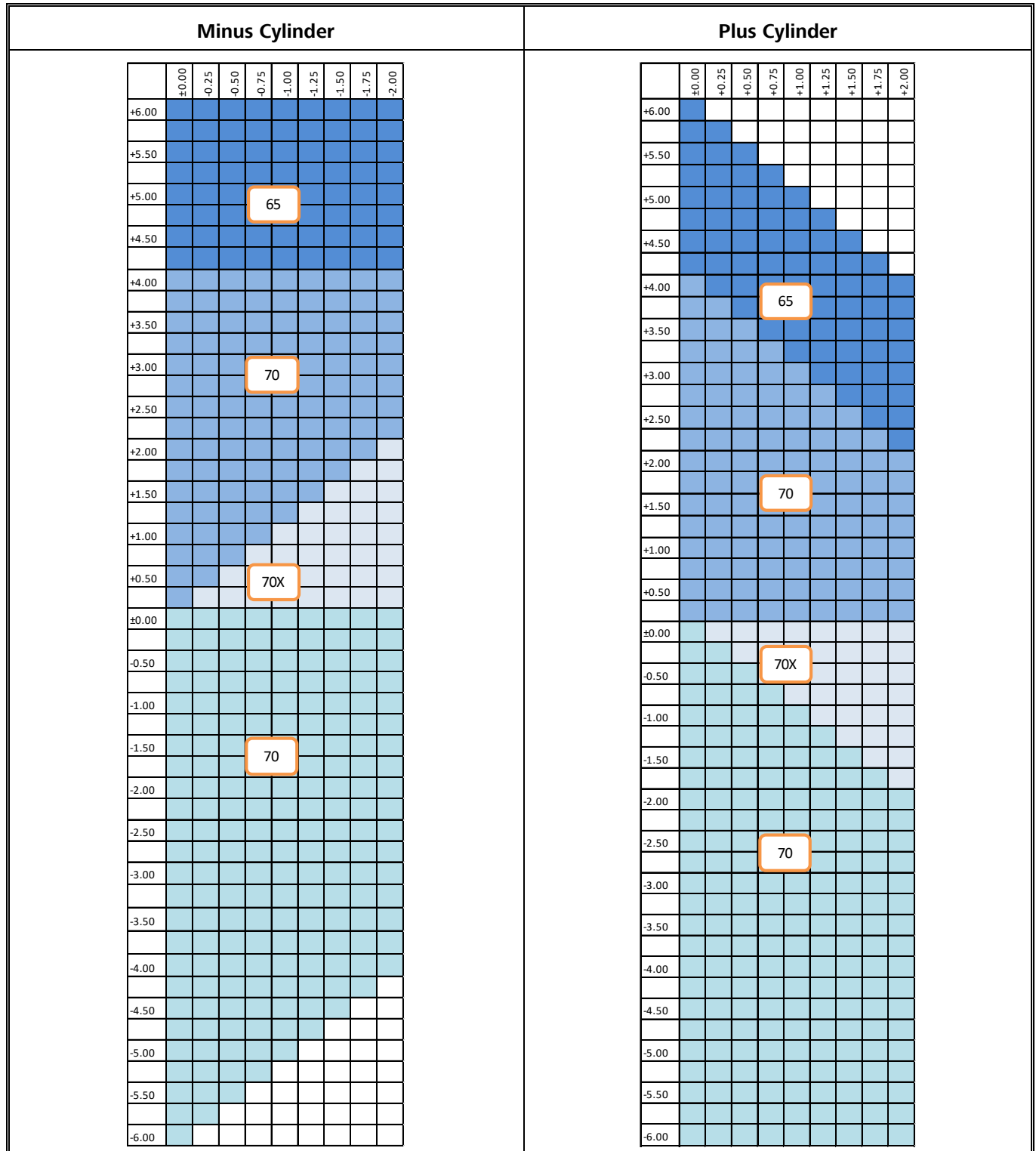
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Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision Silver UV

5. Product Range:



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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

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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

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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

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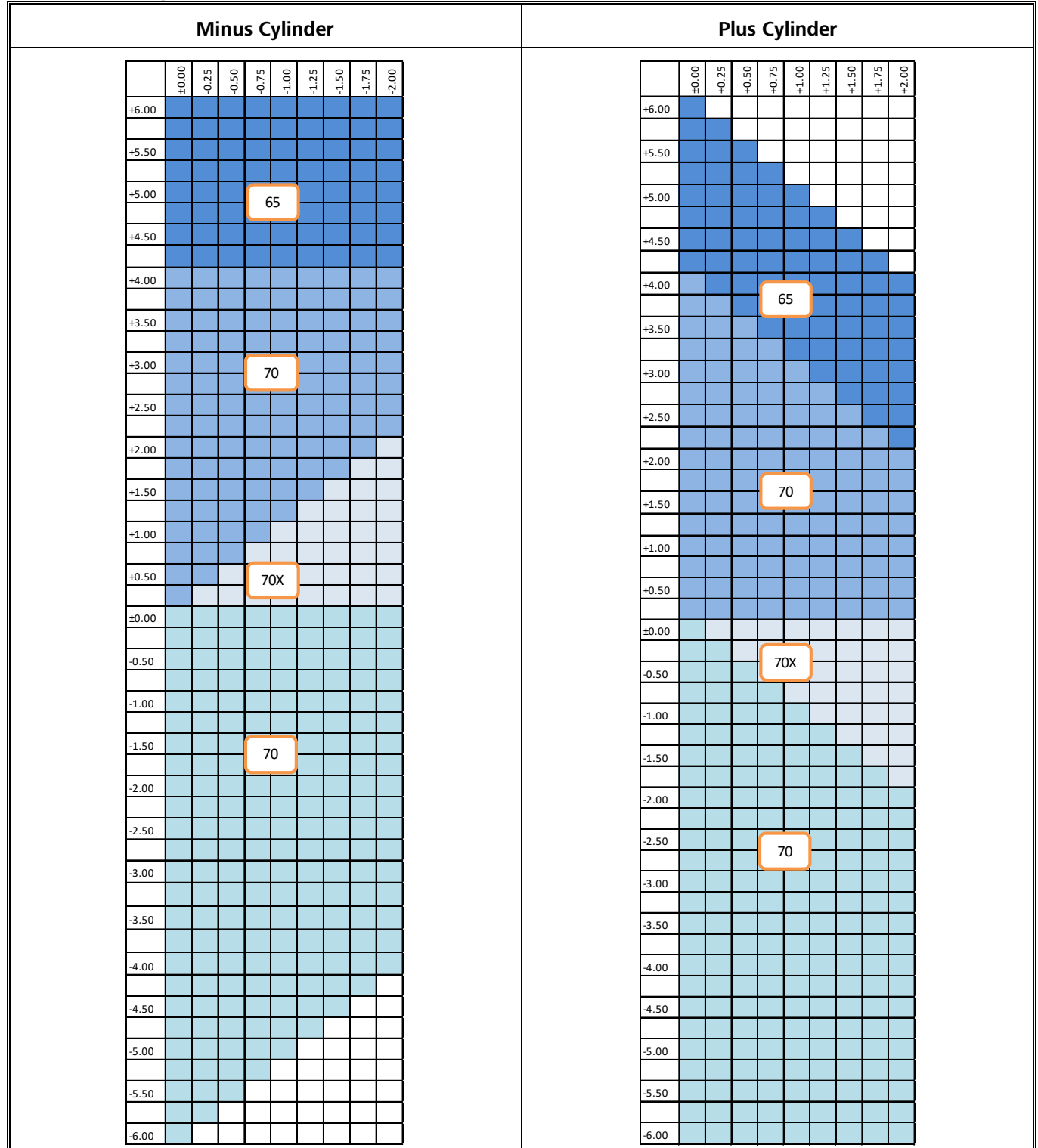
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Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision BlueProtect UV

5. Product Range:



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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

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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

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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

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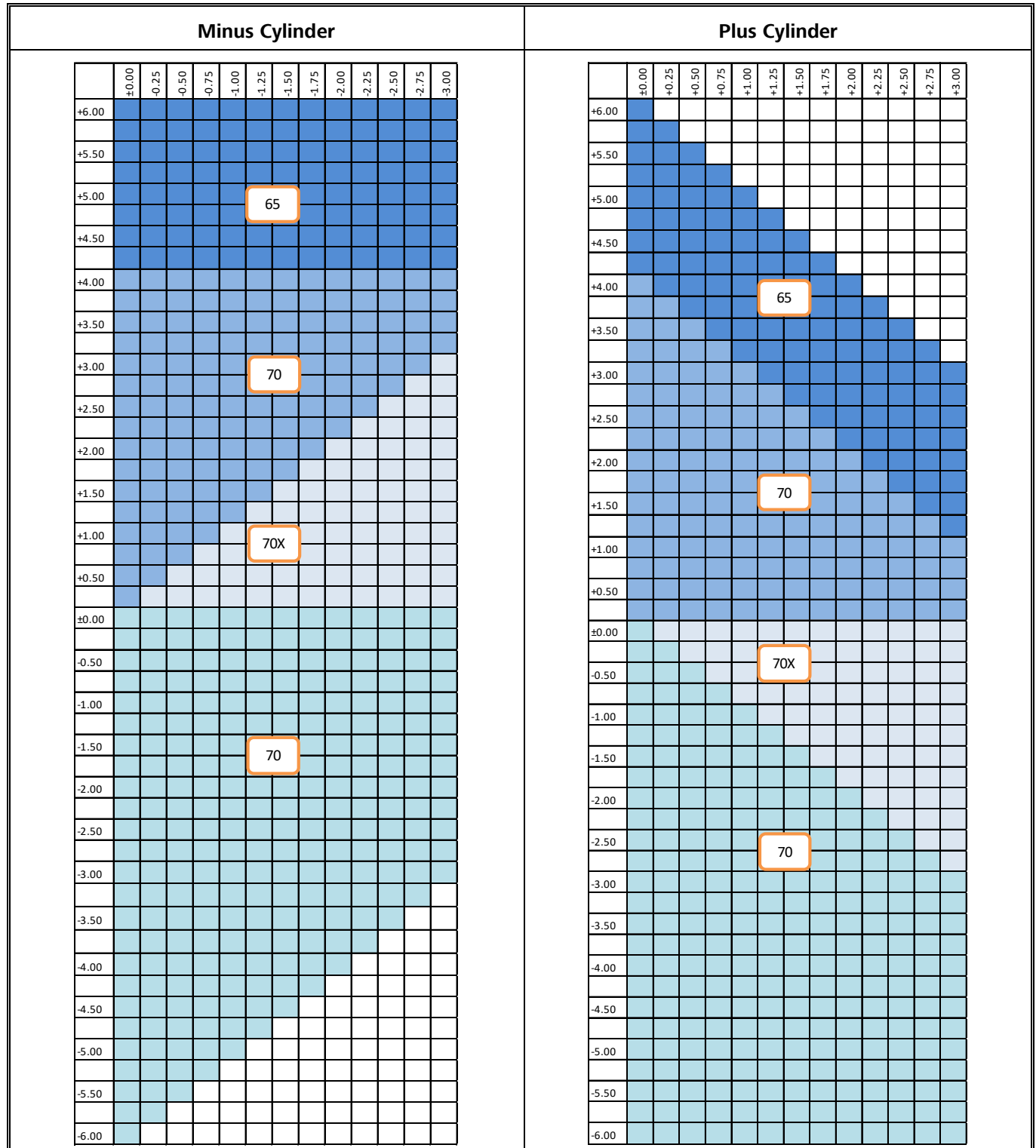
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Product Name

ZEISS Finished SV SPH 1.5 UVProtect DuraVision Chrome UV

5. Product Range:



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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

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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

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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 HMCX

1. Customer Product Codes

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

* Not Available in North America

2. Material & Coating Specifications:

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

3. Design:

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

4. Product Markings: None

5. Product Range:

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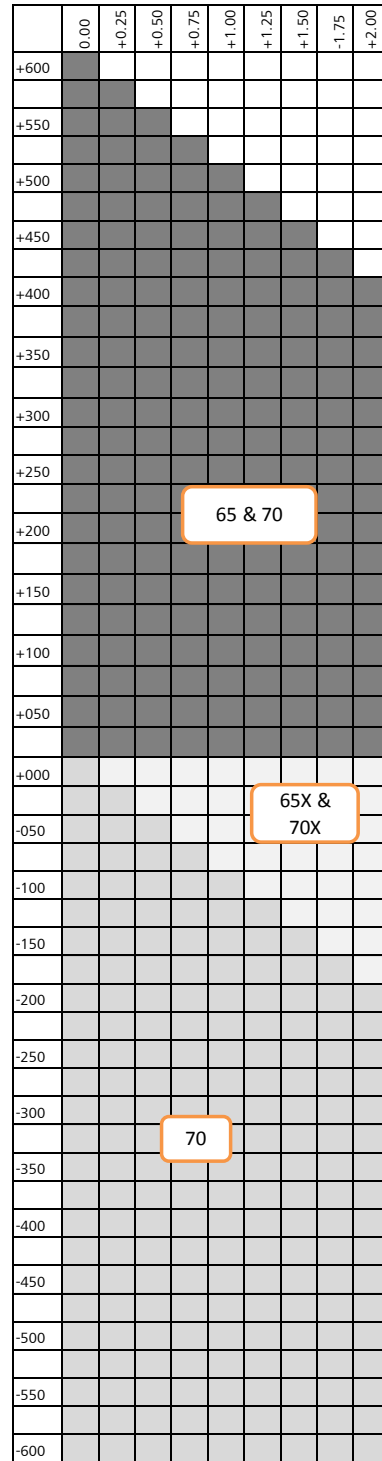
Product Name

synchrony Finished SV SPH 1.5 HMCX

Minus Cylinder



Plus Cylinder



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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 HMCX

6. Lens Geometry:

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

Lens Centre Thickness Tolerance

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

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

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

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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 HMCX

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

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

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

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

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PRODUCT FACT SHEET



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

1. Customer Product Codes

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

2. Material & Coating Specifications:

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

3. Design:

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

4. Product Markings: None

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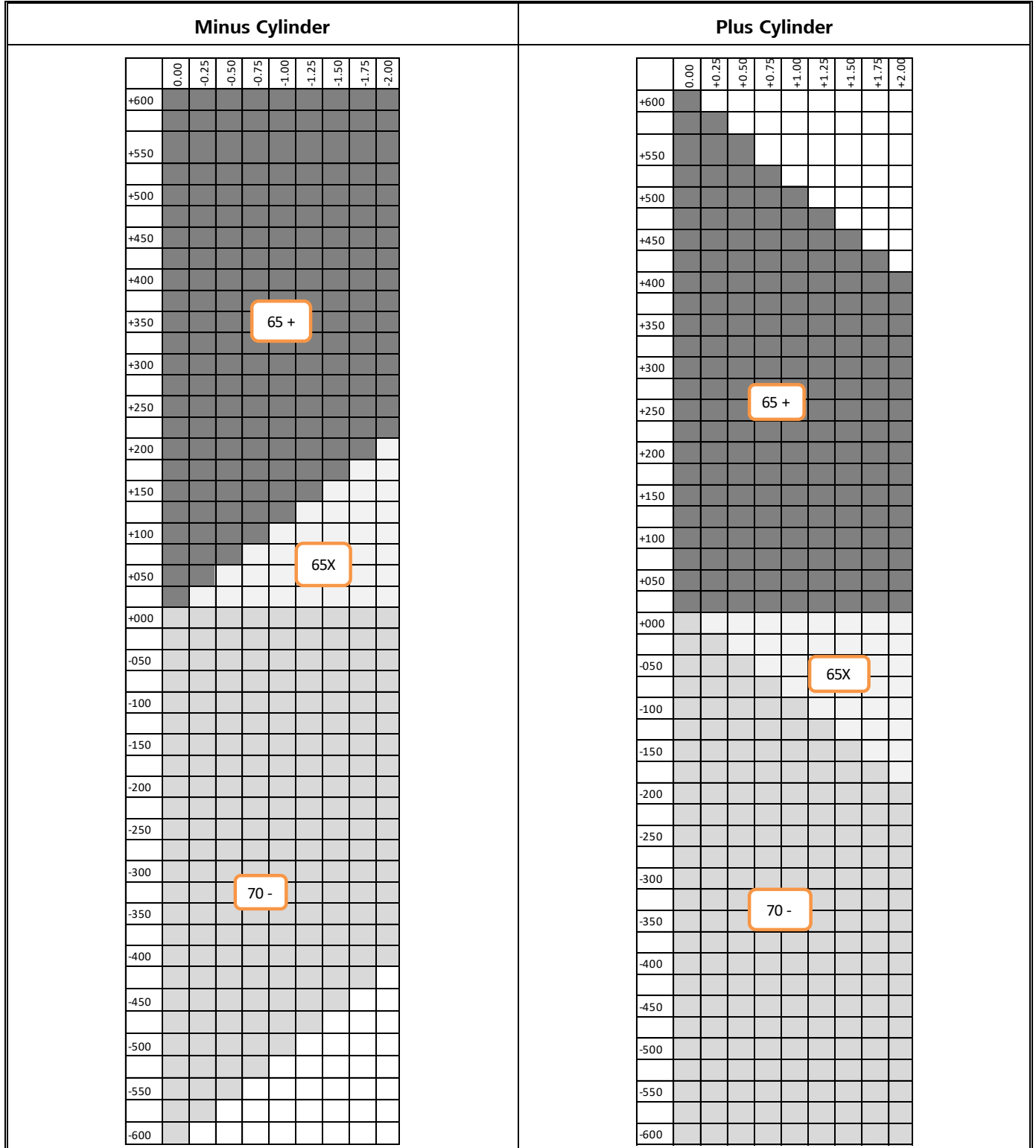
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Product Name

synchrony Finished SV SPH 1.5 HMC+ [USA]

5. Product Range:



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PRODUCT FACT SHEET



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

6. Lens Geometry:

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

Lens Centre Thickness Tolerance

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

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

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

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HMC+ [USA]

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

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

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV SPH 1.5 PhotoFusion X Grey Black DuraVision Platinum UV

1. **Product Name:** ZEISS Finished SV SPH 1.5 PhotoFusion X Grey Black DuraVision Platinum UV

2. **Customer Product Codes:**

EDI	LGC	CAT	LGC Description
37494	R7471	L23	ZEISS FSV SPH 15 PFX GRYB DVP 65+ V-J
	R7472		ZEISS FSV SPH 15 PFX GRYB DVP 65X V-J
	R7483	L24	ZEISS FSV SPH 15 PFX GRYB DVP 70- V-J

2. **Material & Coating Specifications:**

Type	1.5 ADC (Hard Resin or Poly Allyl Di-Glycol Carbonate Resin) with BlueGuard Treatment and PhotoFusion X coating treatment
Refractive Index	$n_d = 1.500$ $n_e = 1.502$
Abbe Number	$v_d = 58$ $v_e = 58$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	Dura Vision Platinum UV
Coating Appearance	blue 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

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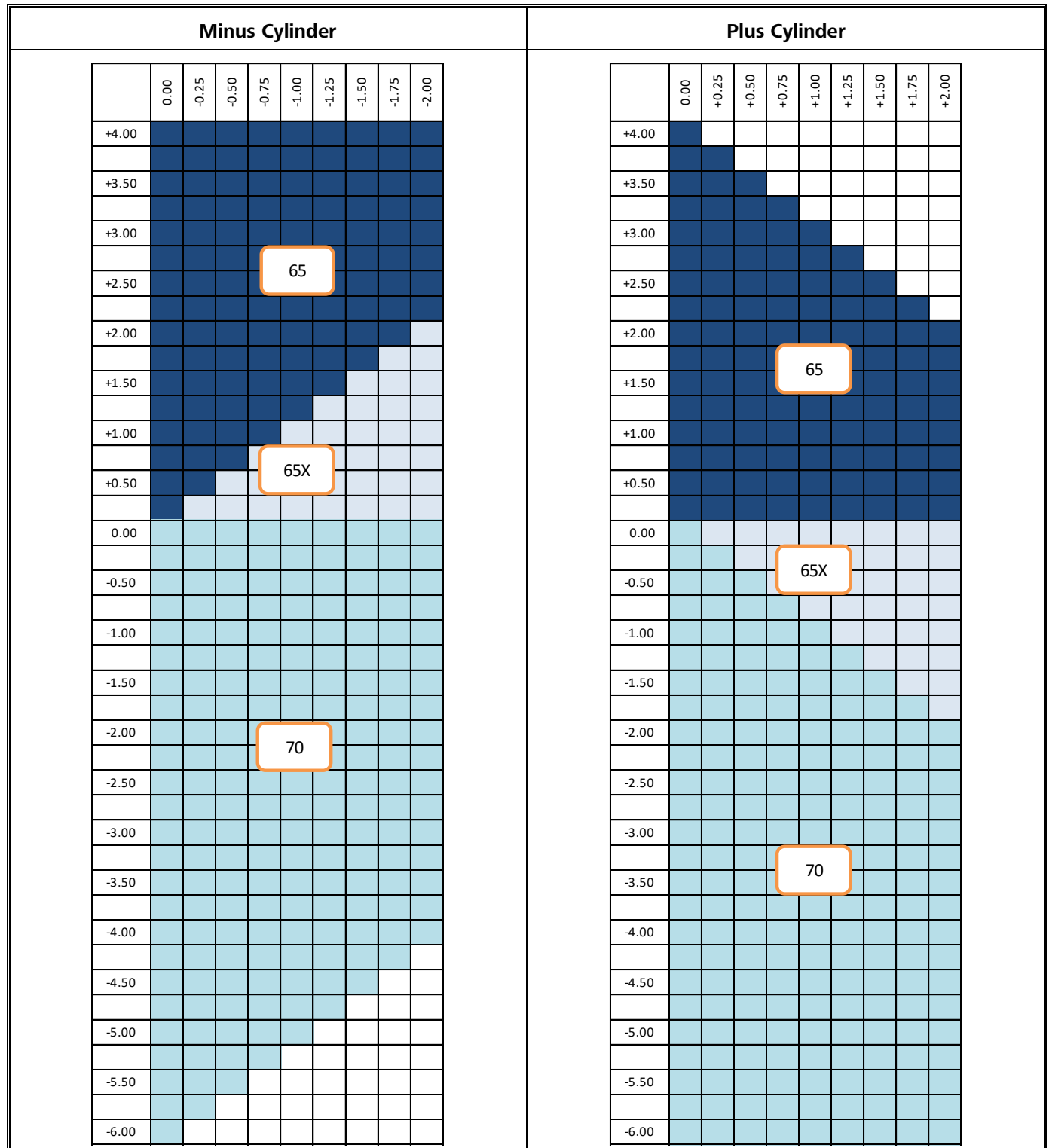
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 PhotoFusion X Grey Black DuraVision Platinum UV

5. Product Range:



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 PhotoFusion X Grey Black DuraVision Platinum UV

6. Lens Geometry:

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

Lens Power (D)	Lens Front Curve (D)	Lens Back Curve* (D)	Centre Thickness (mm)	Edge Thickness* (mm)	Lens Power (D)	Lens Front Curve (D)	Lens Back Curve* (D)	Centre Thickness (mm)	Edge Thickness* (mm)
+4.00	+7.30	-3.25	6.2	1.8	+2.00	+6.24	-4.20	3.6	1.4
+3.75	+7.05	-3.25	5.8	1.7	+1.75	+5.98	-4.20	3.3	1.4
+3.50	+6.80	-3.25	5.5	1.7	+1.50	+5.73	-4.20	2.9	1.3
+3.25	+7.04	-3.75	5.2	1.6	+1.25	+5.92	-4.65	2.6	1.2
+3.00	+6.79	-3.75	4.9	1.6	+1.00	+5.67	-4.65	2.3	1.2
+2.75	+6.55	-3.75	4.6	1.6	+0.75	+5.41	-4.65	2.0	1.2
+2.50	+6.30	-3.75	4.2	1.5	+0.50	+5.15	-4.65	2.0	1.5
+2.25	+6.48	-4.20	3.9	1.4	+0.25	+5.30	-5.07	2.0	1.8

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

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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 PhotoFusion X Grey Black HART

1. **Product Name:** ZEISS Finished SV SPH 1.5 PhotoFusion X Grey Black HART

2. Customer Product Codes

EDI	LGC	CAT	LGC Description
37492	R7491	L25	ZEISS FSV SPH 15 PFX GRYB HA 65+ V-J
	R7492		ZEISS FSV SPH 15 PFX GRYB HA 65X V-J
	R7503	L26	ZEISS FSV SPH 15 PFX GRYB HA 70- V-J

2. Material & Coating Specifications:

Type	1.5 ADC (Hard Resin or Poly Allyl Di-Glycol Carbonate Resin) with BlueGuard Treatment and PhotoFusion X coating treatment
Refractive Index	$n_d = 1.500$ $n_e = 1.502$
Abbe Number	$v_d = 58$ $v_e = 58$
Density	1.32 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 % 2.0 mm Centre Thickness
Coating Type	Hard Coating

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

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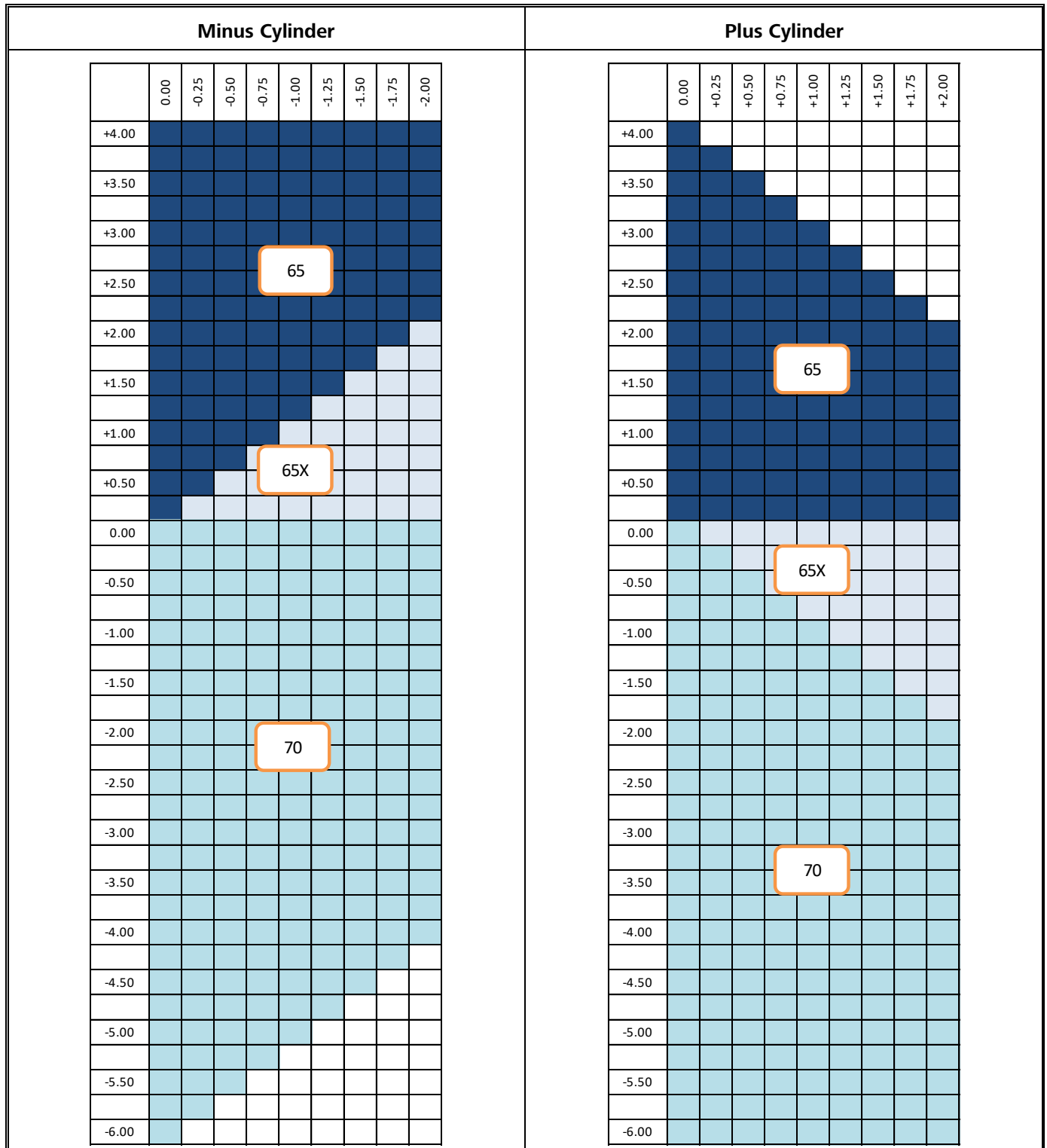
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 PhotoFusion X Grey Black HART

5. Product Range:



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 PhotoFusion X Grey Black HART

6. Lens Geometry:

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

Lens Power (D)	Lens Front Curve (D)	Lens Back Curve* (D)	Centre Thickness (mm)	Edge Thickness* (mm)	Lens Power (D)	Lens Front Curve (D)	Lens Back Curve* (D)	Centre Thickness (mm)	Edge Thickness* (mm)
+4.00	+7.30	-3.25	6.2	1.8	+2.00	+6.24	-4.20	3.6	1.4
+3.75	+7.05	-3.25	5.8	1.7	+1.75	+5.98	-4.20	3.3	1.4
+3.50	+6.80	-3.25	5.5	1.7	+1.50	+5.73	-4.20	2.9	1.3
+3.25	+7.04	-3.75	5.2	1.6	+1.25	+5.92	-4.65	2.6	1.2
+3.00	+6.79	-3.75	4.9	1.6	+1.00	+5.67	-4.65	2.3	1.2
+2.75	+6.55	-3.75	4.6	1.6	+0.75	+5.41	-4.65	2.0	1.2
+2.50	+6.30	-3.75	4.2	1.5	+0.50	+5.15	-4.65	2.0	1.5
+2.25	+6.48	-4.20	3.9	1.4	+0.25	+5.30	-5.07	2.0	1.8

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

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PRODUCT FACT SHEET



Product Name ZEISS Finished SV SPH 1.5 BlueGuard HART

1. Customer Product Codes:

EDI	LGC	CAT	LGC Description	Notes	FDA	Marking
37057	R6831	K15	ZEISS FSV SPH 15 BL HA 65+ V-J	Country of origin on Envelope	Yes	No Z-Engraving on the lens
	R6841	K16	ZEISS FSV SPH 15 BL HA 70+ V-J			
	R6842		ZEISS FSV SPH 15 BL HA 70X V-J			
	R6843	K17	ZEISS FSV SPH 15 BL HA 70- V-J			

2. Material & Coating Specifications:

Type	ZEISS BlueGuard 1.50 allylic Resin Polymer
Refractive Index	nd = 1.500 ±0.001 (Helium 'd' line 587.56nm) ne = 1.502 ±0.001 (Mercury 'e' line 546.07nm)
Abbe Number	vd = 58 ±2 ve = 58 ±2
Density	1.32 ±0.01 g/cm ³
UV Protection (ISO)	UVA : 100%, UVB : 100%
Coating Type	HART
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

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Reviewed by: Monika Anselm, 04 Feb 2022
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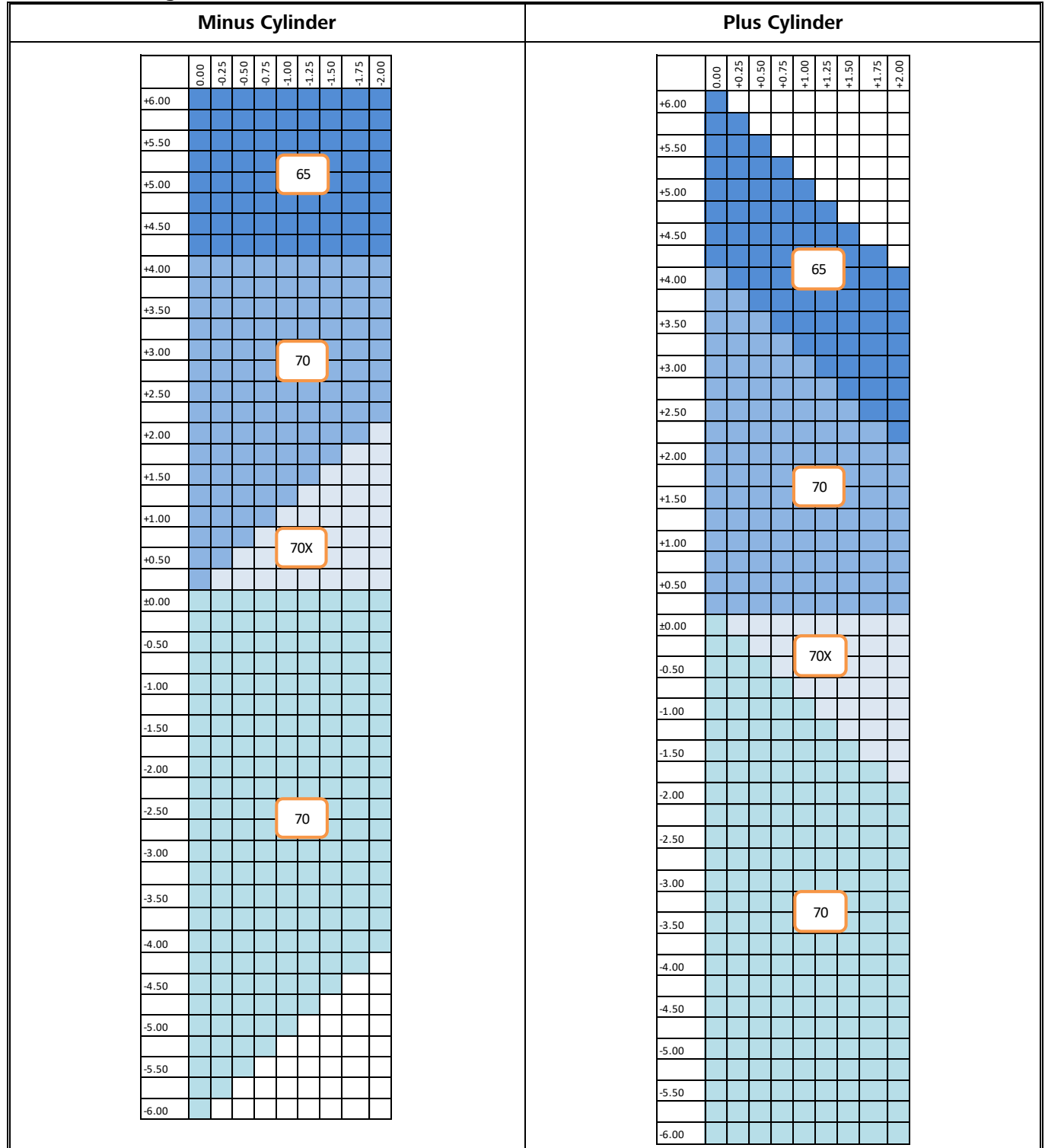
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Product Name

ZEISS Finished SV SPH 1.5 BlueGuard HART

5. Product Range:



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PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 BlueGuard HART

6. Lens Geometry:

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

Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)	Lens Power (D)	Lens Front Curve (D)	Lens Back Curve (D)	Centre Thickness (mm)	Edge Thickness (mm)
+6.00	+8.78	-2.80	7.7	1.0	+5.00	+7.85	-2.80	6.5	1.0
+5.75	+8.55	-2.80	7.4	1.0	+4.75	+7.61	-2.80	6.2	1.0
+5.50	+8.32	-2.80	7.1	1.0	+4.50	+7.37	-2.80	6.0	1.0
+5.25	+8.09	-2.80	6.8	1.0	+4.25	+7.55	-3.25	5.7	1.0

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

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

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PRODUCT FACT SHEET



Product Name 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

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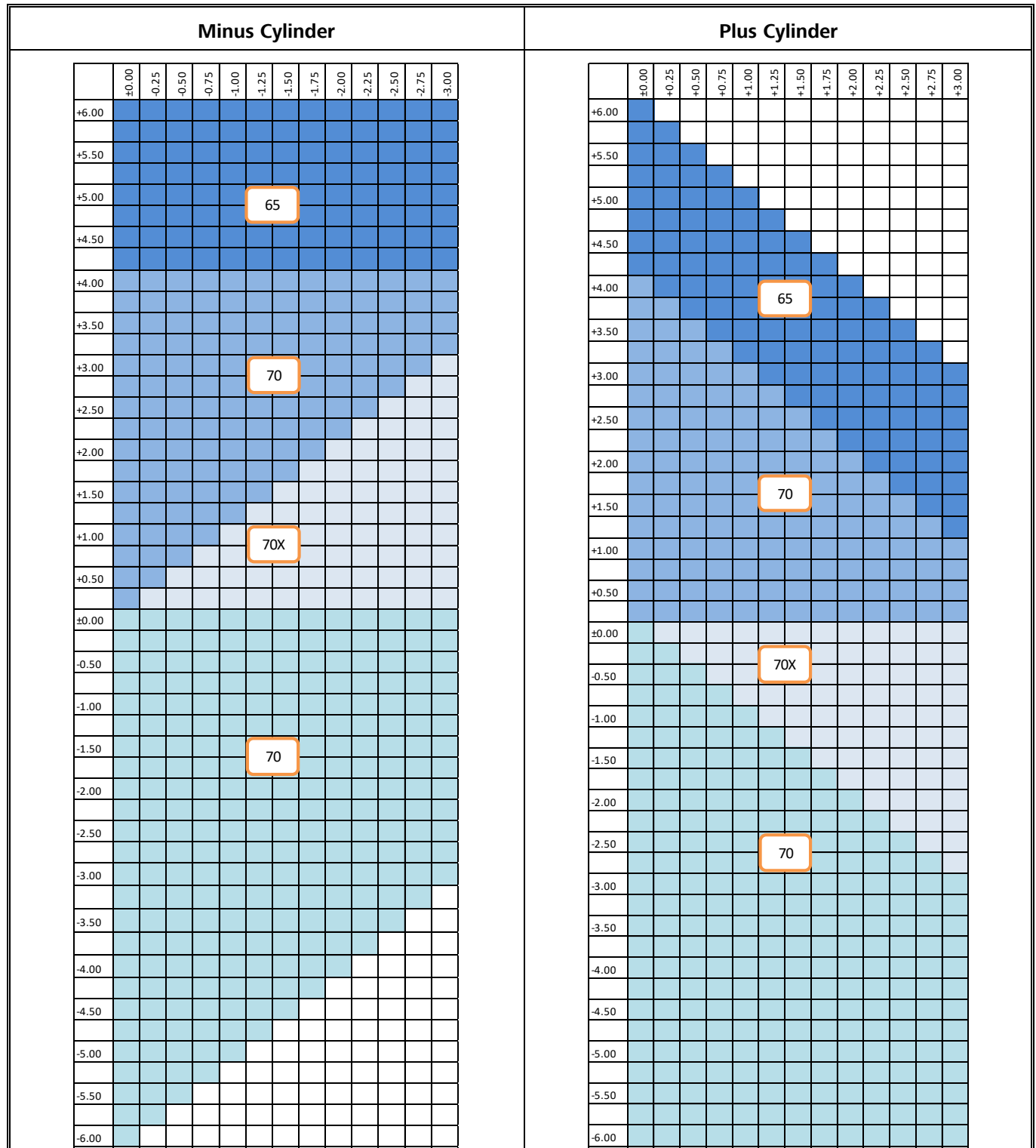
PRODUCT FACT SHEET



Product Name

ZEISS Finished SV SPH 1.5 UVProtect HART UV

5. Product Range:



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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

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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

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PRODUCT FACT SHEET



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

1. Customer Product Codes

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

2. Material & Coating Specifications:

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

3. Design:

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

4. Product Markings: None

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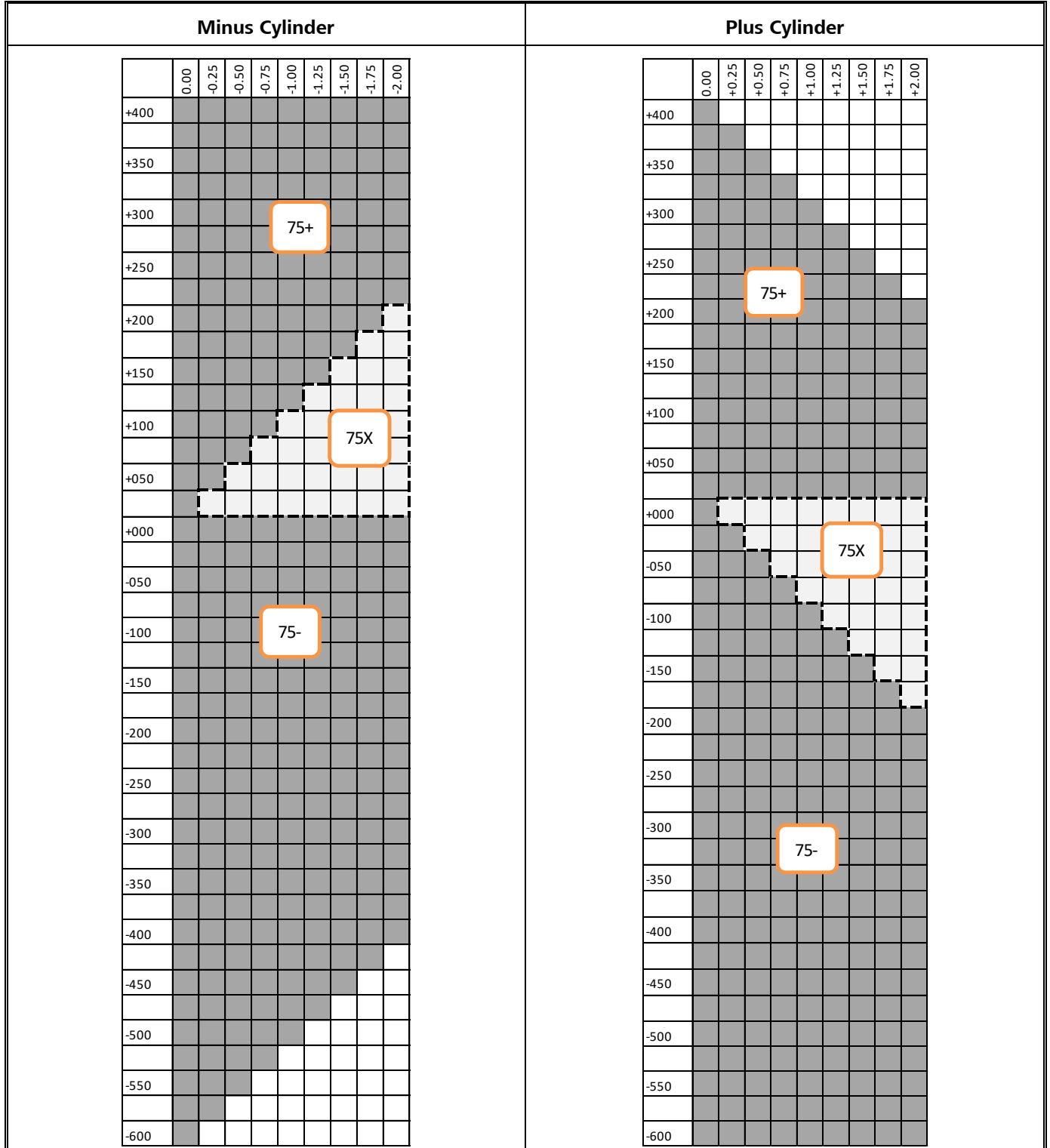
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Product Name

synchrony Finished SV SPH 1.5 HC [USA] 75mm

5. Product Range:



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PRODUCT FACT SHEET



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

6. Lens Geometry:

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

Lens Centre Thickness Tolerance

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

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

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

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 75mm

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

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

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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 UC 75mm

1. Customer Product Codes

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

2. Material & Coating Specifications:

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

3. Design:

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

4. Product Markings: None

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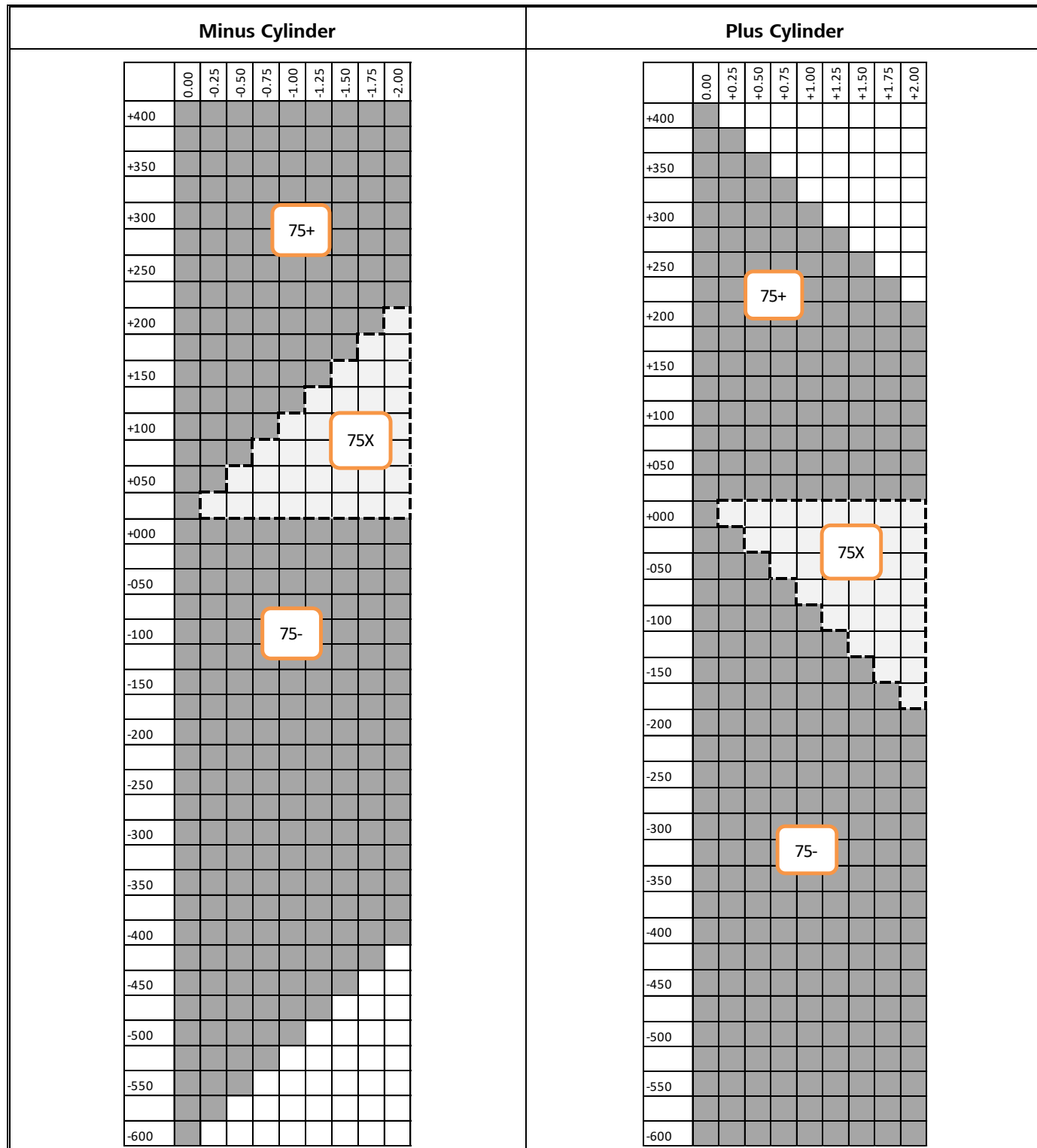
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Product Name

synchrony Finished SV SPH 1.5 UC 75mm

5. Product Range:



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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 UC 75mm

6. Lens Geometry:

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

Lens Centre Thickness Tolerance

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

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

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

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 UC 75mm

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

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

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PRODUCT FACT SHEET



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

1. Customer Product Codes

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

2. Material & Coating Specifications:

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

3. Design:

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

4. Product Markings: None

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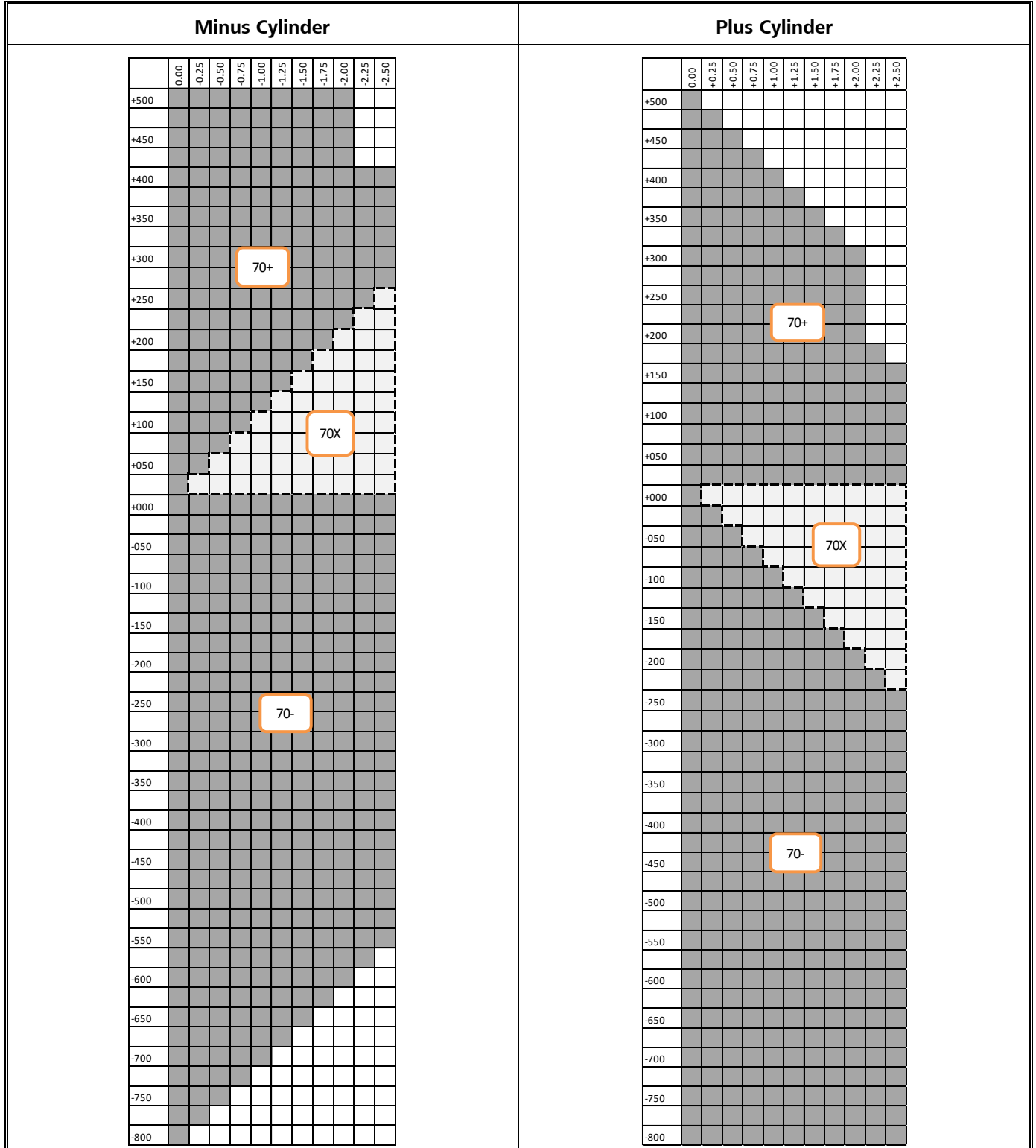
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Product Name

synchrony Finished SV SPH 1.5 HC [USA] 70mm

5. Product Range:



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

6. Lens Geometry:

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

Lens Centre Thickness Tolerance

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

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

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

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 70mm

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

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

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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 UC 70mm

1. Customer Product Codes

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

2. Material & Coating Specifications:

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

3. Design:

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

4. Product Markings: None

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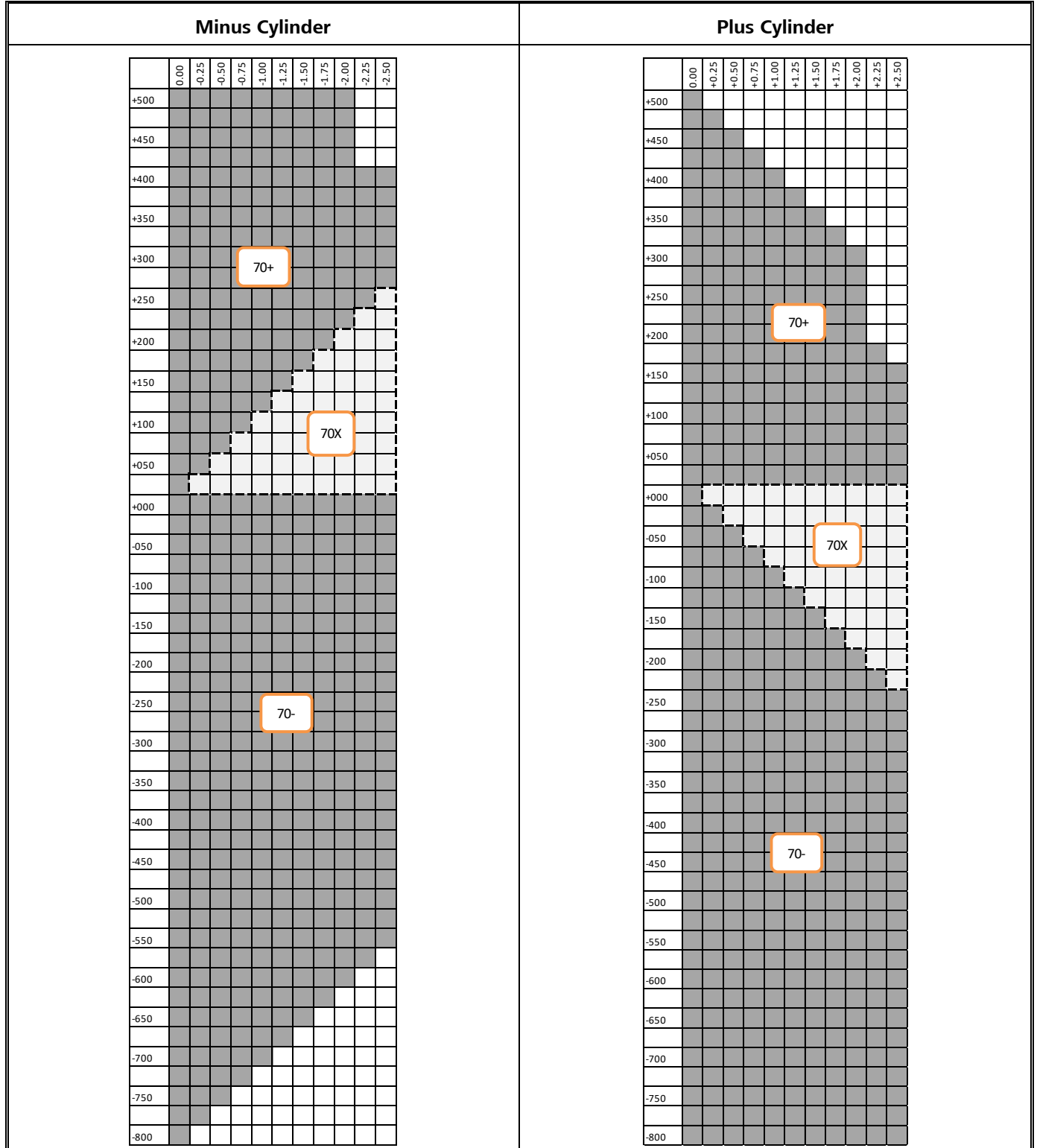
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Product Name

synchrony Finished SV SPH 1.5 UC 70mm

5. Product Range:



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PRODUCT FACT SHEET



Product Name synchrony Finished SV SPH 1.5 UC 70mm

6. Lens Geometry:

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

Lens Centre Thickness Tolerance

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

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

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

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 UC 70mm

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

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

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PRODUCT FACT SHEET



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

1. Customer Product Codes

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

2. Material & Coating Specifications:

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

3. Design:

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

4. Product Markings: None

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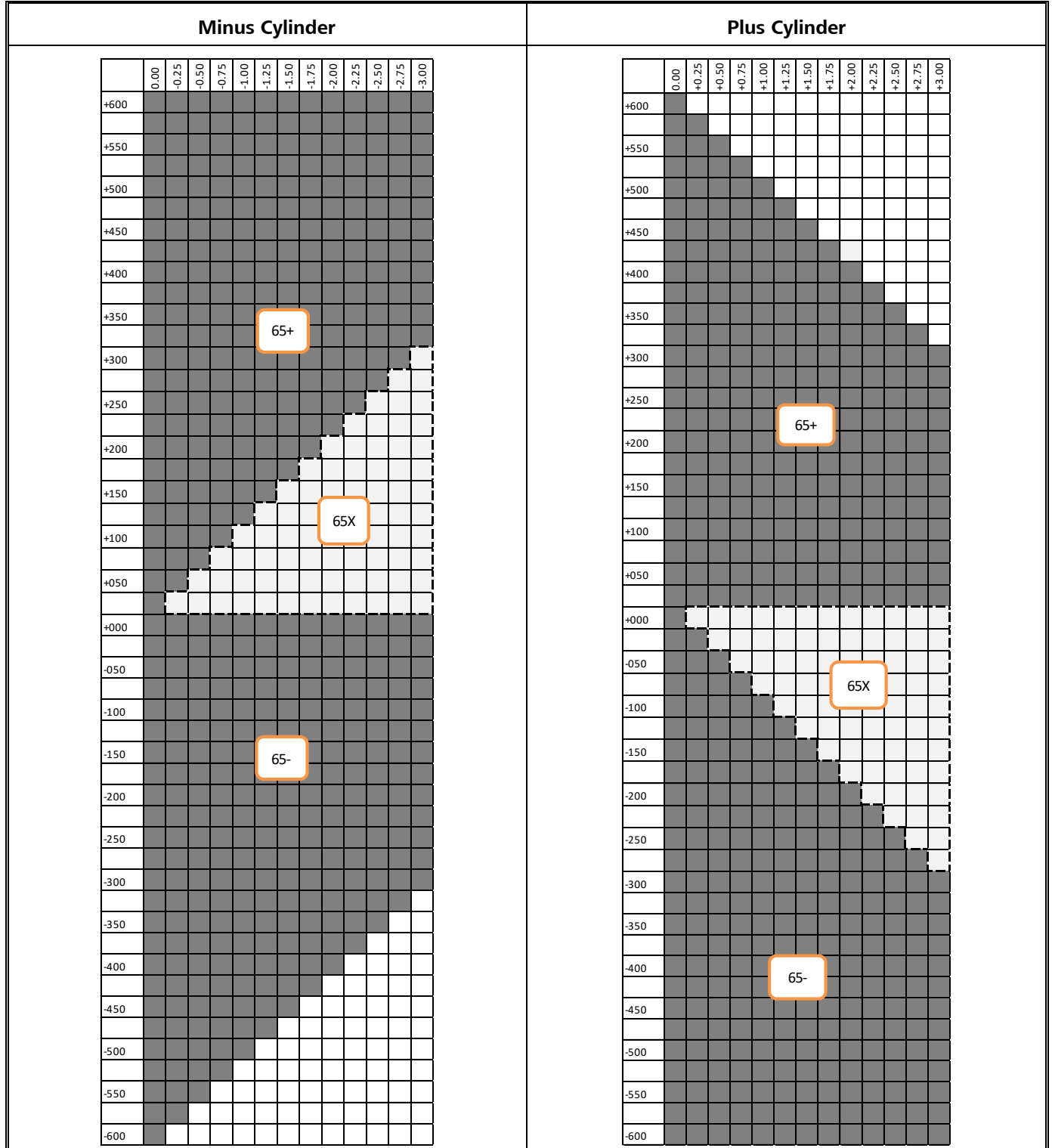
PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 65mm

5. Product Range:



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PRODUCT FACT SHEET



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

6. Lens Geometry:

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

Lens Centre Thickness Tolerance

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

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

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

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 HC [USA] 65mm

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

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

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Product Name synchrony Finished SV SPH 1.5 UC 65mm

1. Customer Product Codes

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

2. Material & Coating Specifications:

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

3. Design:

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

4. Product Markings: None

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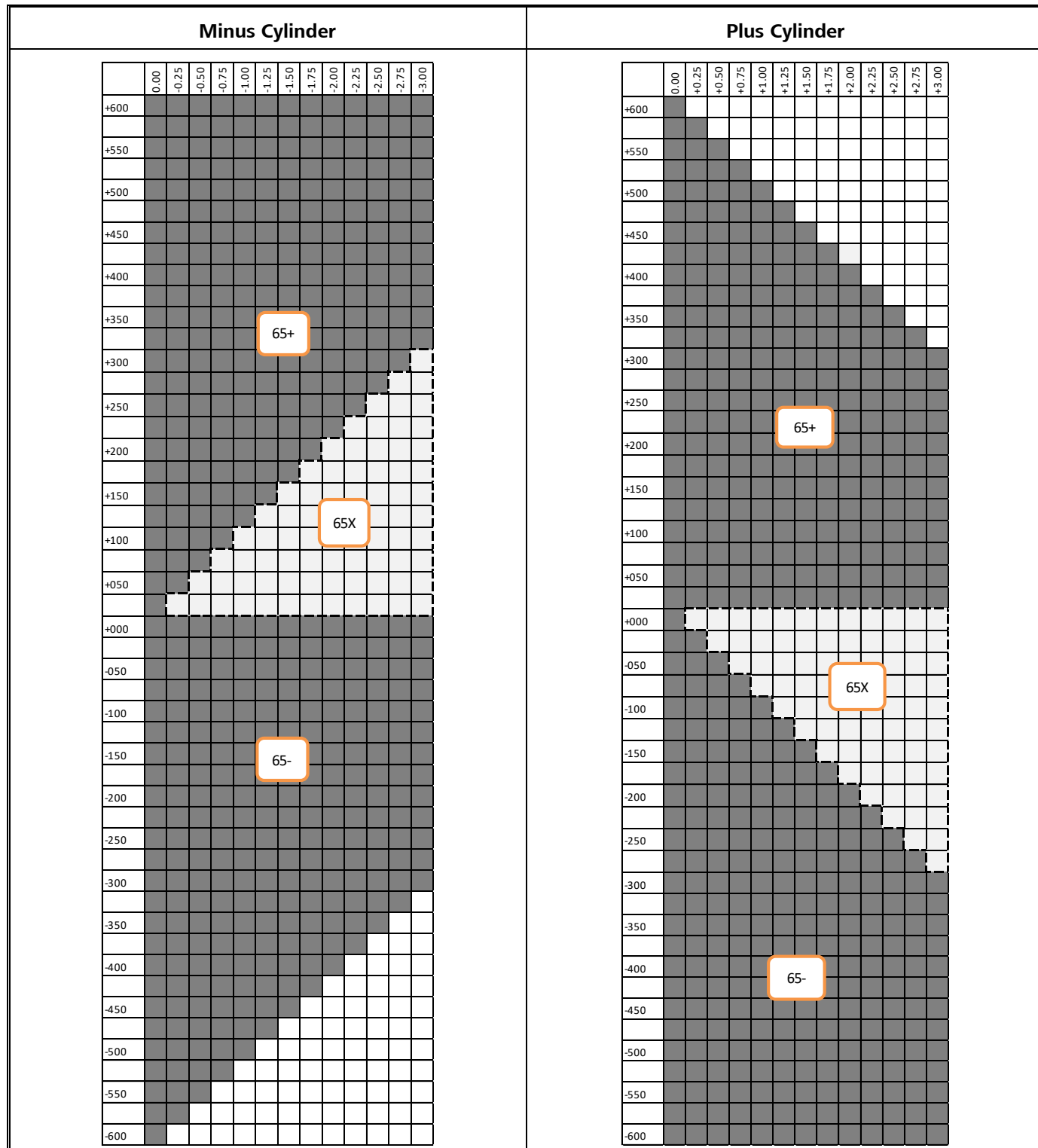
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5. Product Range:



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Product Name synchrony Finished SV SPH 1.5 UC 65mm

6. Lens Geometry:

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

Lens Centre Thickness Tolerance

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

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

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

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PRODUCT FACT SHEET



Product Name

synchrony Finished SV SPH 1.5 UC 65mm

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

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

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