



GT2 Short by Zeiss - Fact Sheets

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GT2 Short by Zeiss

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PRODUCT FACT SHEET

**Product Name**

ZEISS Semi-Finished Progressive GT2 Short 1.67 BlueGuard

1. Customer Product Codes

Product	LGC	LGC Description	CAT Code
Coated HA	L7687	ZEISS SF P GT2 SH 167 BL HA VB-	L50

2. Product Range:

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
71 / 76	0.70	1.00 to 3.00	-16.00 to -10.25
76 / 81	1.40	1.00 to 3.00	-10.00 to -6.50
76 / 81	2.10	1.00 to 3.00	-6.25 to -4.25
76 / 81	3.10	1.00 to 3.00	-4.00 to -2.25
76 / 81	4.00	1.00 to 3.00	-2.00 to +1.75
76 / 81	4.90	1.00 to 3.00	+2.00 to +3.75
76 / 81	6.00	1.00 to 3.00	+4.00 to +6.00

3. Material & Coating Specifications:

Type	ZEISS BlueGuard 1.67 MR-7 Thio-Urethane Resin Polymer
Refractive Index	$n_d = 1.660 \pm 0.001$ (Helium 'd' line 587.56nm) $n_e = 1.665 \pm 0.001$ (Mercury 'e' line 546.07nm)
Abbe Number	$V_d = 31 \pm 2$ $V_e = 31 \pm 2$
Density	1.36 \pm 0.01 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 %
Coating Type	Hart Coated

4. Lens Geometry:

Nominal Base (D)	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (± 1.0 mm)	Nominal Edge Thickness at 'A' (mm)
0.70	0.65	815.39	-6.00	10.3	16.5
1.40	1.38	384.06	-6.00	10.2	16.1
2.10	2.19	242.01	-6.00	8.3	13.5
3.10	3.08	172.08	-6.00	7.8	11.1
4.00	3.97	133.50	-6.00	8.4	11.1
4.90	4.83	109.73	-6.00	7.5	9.2
6.00	6.06	87.46	-6.00	9.1	9.2

Document Number: Z01377.FS1

Reviewed by: Simone Liebich, 24 Mar 2022

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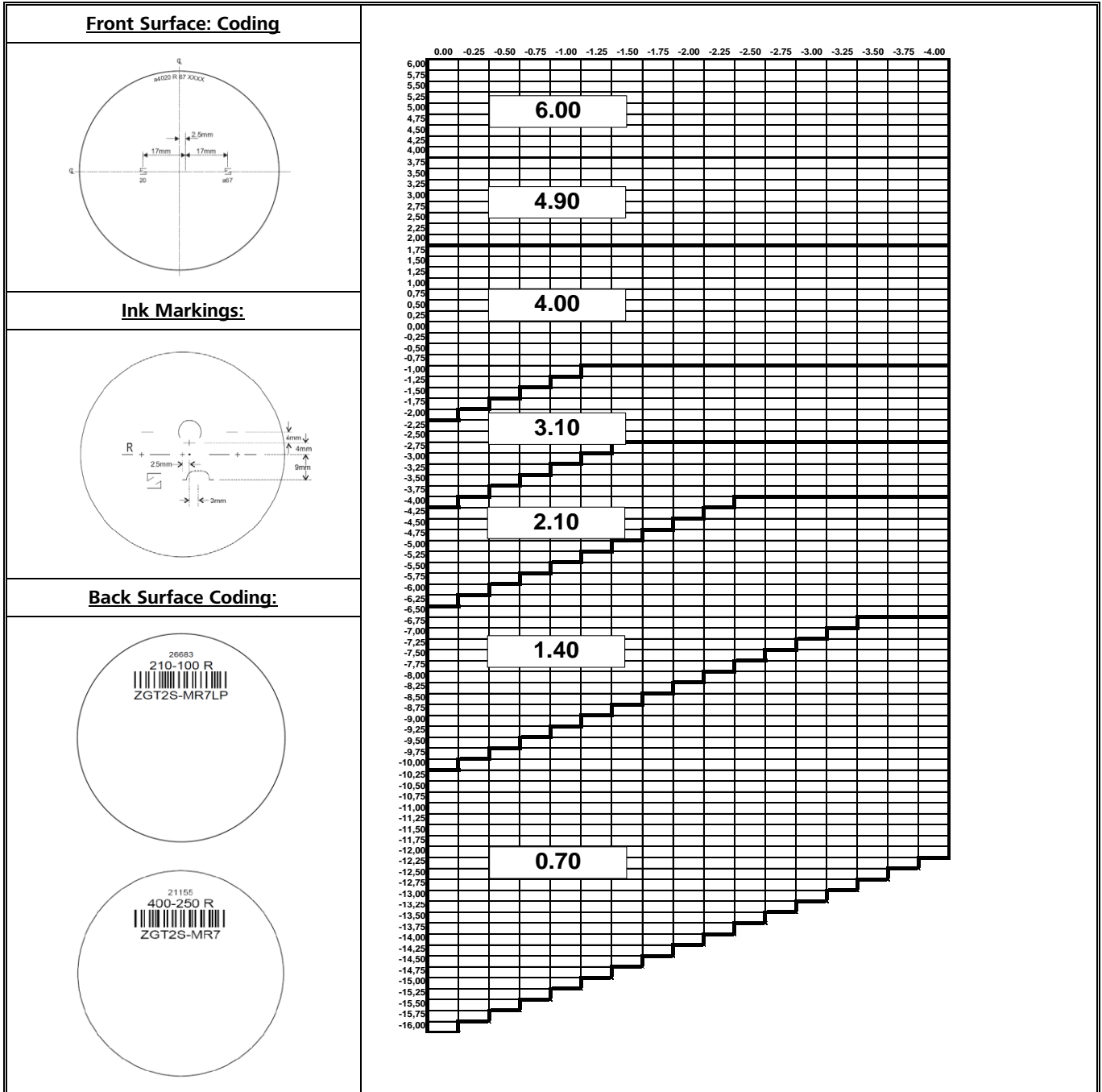
PRODUCT FACT SHEET



Product Name

ZEISS Semi-Finished Progressive GT2 Short 1.67 BlueGuard

5. Product Markings and Recommended Base Curve Selection Chart:



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PRODUCT FACT SHEET



Product Name	ZEISS Semi-Finished Progressive GT2 Short 1.67 PhotoFusion X
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1. Customer Product Codes

Product	LGC	LGC Description	CAT Code
Grey Black HA	L7674	ZEISS SF P GT2 SH 167 PFX GRYB HA VB-	K87

2. Product Range:

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
71 / 76	0.70	1.00 to 3.00	-16.00 to -10.25
76 / 81	1.40	1.00 to 3.00	-10.00 to -6.50
76 / 81	2.10	1.00 to 3.00	-6.25 to -4.25
76 / 81	3.10	1.00 to 3.00	-4.00 to -2.25
76 / 81	4.00	1.00 to 3.00	-2.00 to +1.75
76 / 81	4.90	1.00 to 3.00	+2.00 to +3.75
76 / 81	6.00	1.00 to 3.00	+4.00 to +6.00

3. Material & Coating Specifications:

Type	ZEISS BlueGuard 1.67 MR-7 Thio-Urethane Resin Polymer with PhotoFusion X Coating Treatment
Refractive Index	$n_d = 1.660 \pm 0.001$ (Helium 'd' line 587.56nm) $n_e = 1.665 \pm 0.001$ (Mercury 'e' line 546.07nm)
Abbe Number	$V_d = 31 \pm 2$ $V_e = 31 \pm 2$
Density	1.36 \pm 0.01 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 %
Coating Type	Hart Coated

4. Lens Geometry:

Nominal Base (D)	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (\pm 1.0 mm)	Nominal Edge Thickness at 'A' (mm)
0.70	0.57	929.82	-6.00	10.3	16.5
1.40	1.28	414.06	-6.00	10.2	16.1
2.10	2.07	256.04	-6.00	8.3	13.5
3.10	2.97	178.45	-6.00	7.8	11.1
4.00	3.85	137.66	-6.00	8.4	11.1
4.90	4.73	112.05	-6.00	7.5	9.2
6.00	5.99	88.48	-6.00	9.1	9.2

Document Number: Z01370.FS2	Reviewed by: Monika Anselm, 10 May 2022
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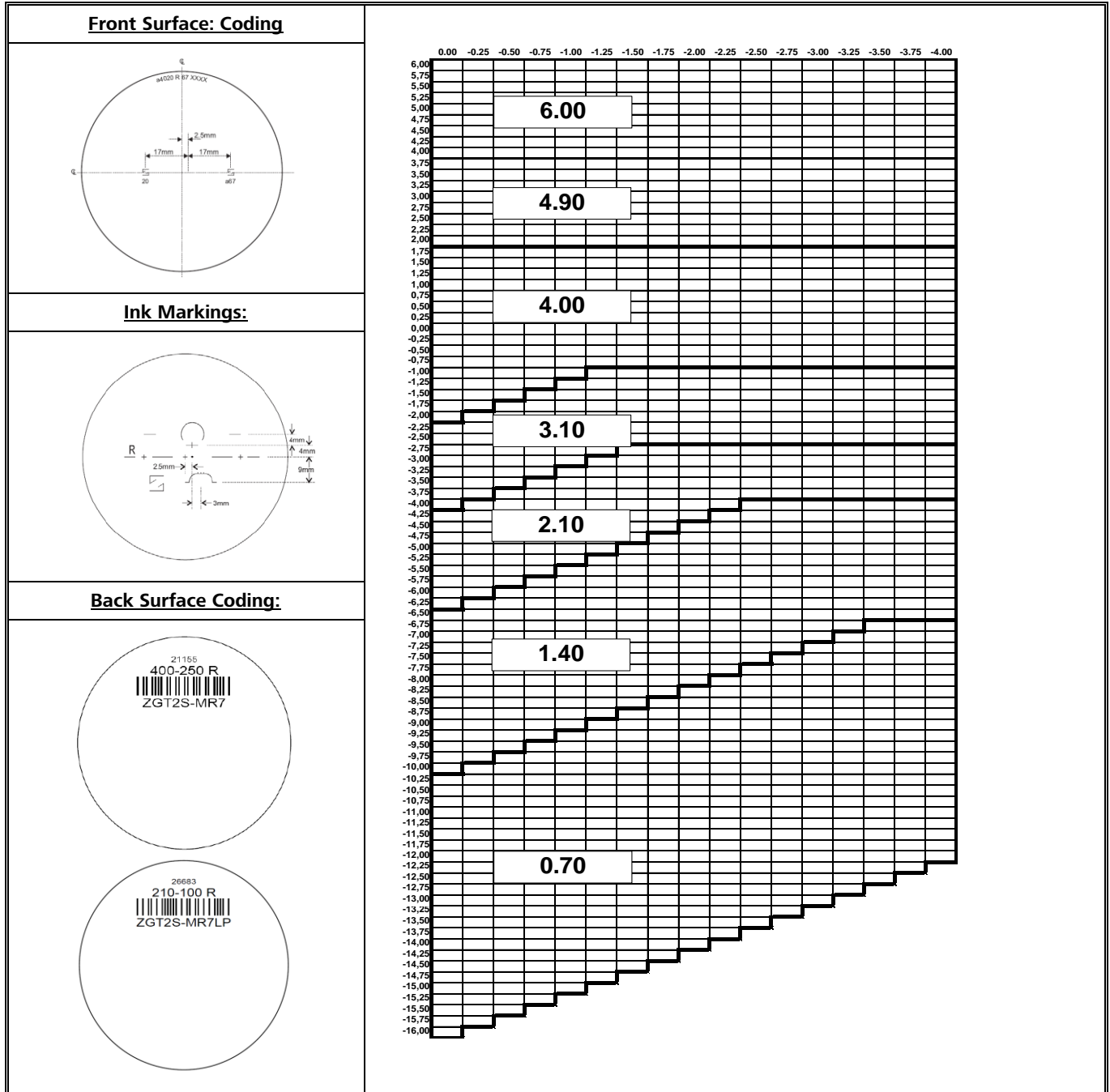
PRODUCT FACT SHEET



Product Name

ZEISS Semi-Finished Progressive GT2 Short 1.67 PhotoFusion X

5. Product Markings and Recommended Base Curve Selection Chart:



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PRODUCT FACT SHEET



Product Name ZEISS Semi-Finished Progressive GT2 Short 1.59 BlueGuard

1. Customer Product Codes

Product	LGC	LGC Description	CAT Code
Coated HA	L7686	ZEISS SF P GT2 SH 159 BL HA V--	L49

2. Product Range:

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
75/80	1.70	1.00 to 3.00	-10.00 to -6.50
75/80	2.60	1.00 to 3.00	-6.25 to -4.25
75/80	3.50	1.00 to 3.00	-4.00 to -2.25
75/80	4.50	1.00 to 3.00	-2.00 to +1.75
75/80	5.60	1.00 to 3.00	+2.00 to +3.75
75/80	6.80	1.00 to 3.00	+4.00 to +6.00

3. Material & Coating 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 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 %
Coating Type	Hart Coated

4. Lens Geometry:

Nominal Base (D)	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (mm) \pm 1 mm	Nominal Edge Thickness at 'A' (mm)
1.70	1.72	308.14	-5.75	7.7	12.6
2.60	2.56	207.03	-5.75	7.7	11.7
3.50	3.48	152.30	-5.75	8.2	10.9
4.50	4.46	118.83	-5.75	8.3	9.6
5.60	5.48	96.72	-8.00	11.2	14.7
6.80	6.81	77.83	-8.00	11.3	12.7

Document Number: Z01381.FS1
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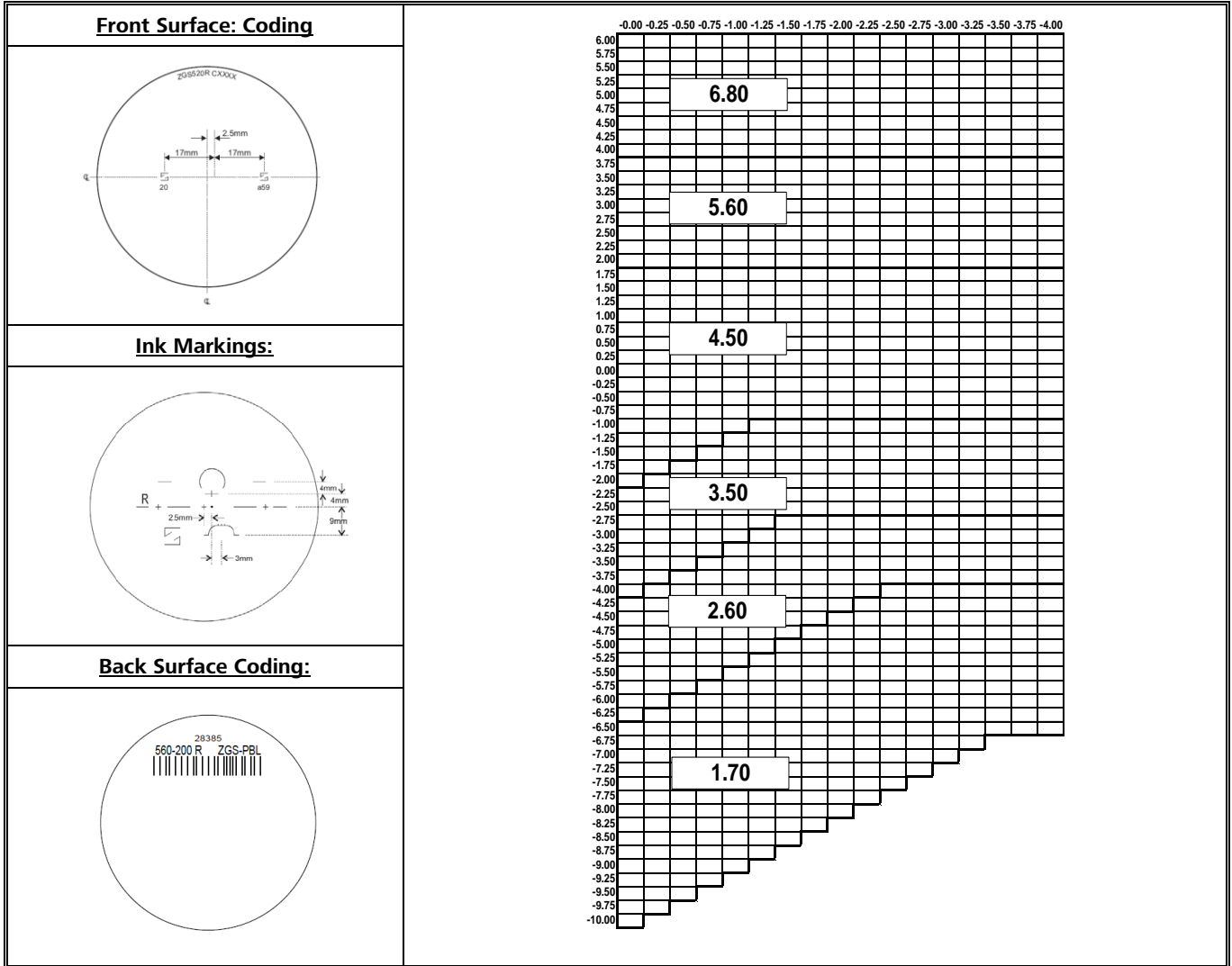
PRODUCT FACT SHEET



Product Name

ZEISS Semi-Finished Progressive GT2 Short 1.59 BlueGuard

5. Product Markings and Recommended Base Curve Selection Chart:



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PRODUCT FACT SHEET

**Product Name**

ZEISS Semi-Finished Progressive GT2 Short 1.59 PhotoFusion X

1. Customer Product Codes

Product	LGC	LGC Description	CAT Code
Grey Black HA	L7673	ZEISS SF P GT2 SH 159 PFX GRYB HA V--	K86

2. Product Range:

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
75/80	1.70	1.00 to 3.00	-10.00 to -6.50
75/80	2.60	1.00 to 3.00	-6.25 to -4.25
75/80	3.50	1.00 to 3.00	-4.00 to -2.25
75/80	4.50	1.00 to 3.00	-2.00 to +1.75
75/80	5.60	1.00 to 3.00	+2.00 to +3.75
75/80	6.80	1.00 to 3.00	+4.00 to +6.00

3. Material & Coating Specifications:

Type	ZEISS BlueGuard Polycarbonate Resin Polymer with PhotoFusion X coating treatment
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 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 %
Coating Type	Hart Coated

4. Lens Geometry:

Nominal Base (D)	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (mm)	Nominal Edge Thickness at 'A' (mm)
1.70	1.75	302.86	-5.75	7.7	12.6
2.60	2.60	203.85	-5.75	7.7	11.7
3.50	3.47	152.74	-5.75	8.2	10.9
4.50	4.46	118.83	-5.75	8.3	9.6
5.60	5.48	96.72	-8.00	11.2	14.7
6.80	6.83	77.60	-8.00	11.3	12.7

Document Number: Z01372.FS1

Reviewed by: Simone Liebich, 24 Mar 2022

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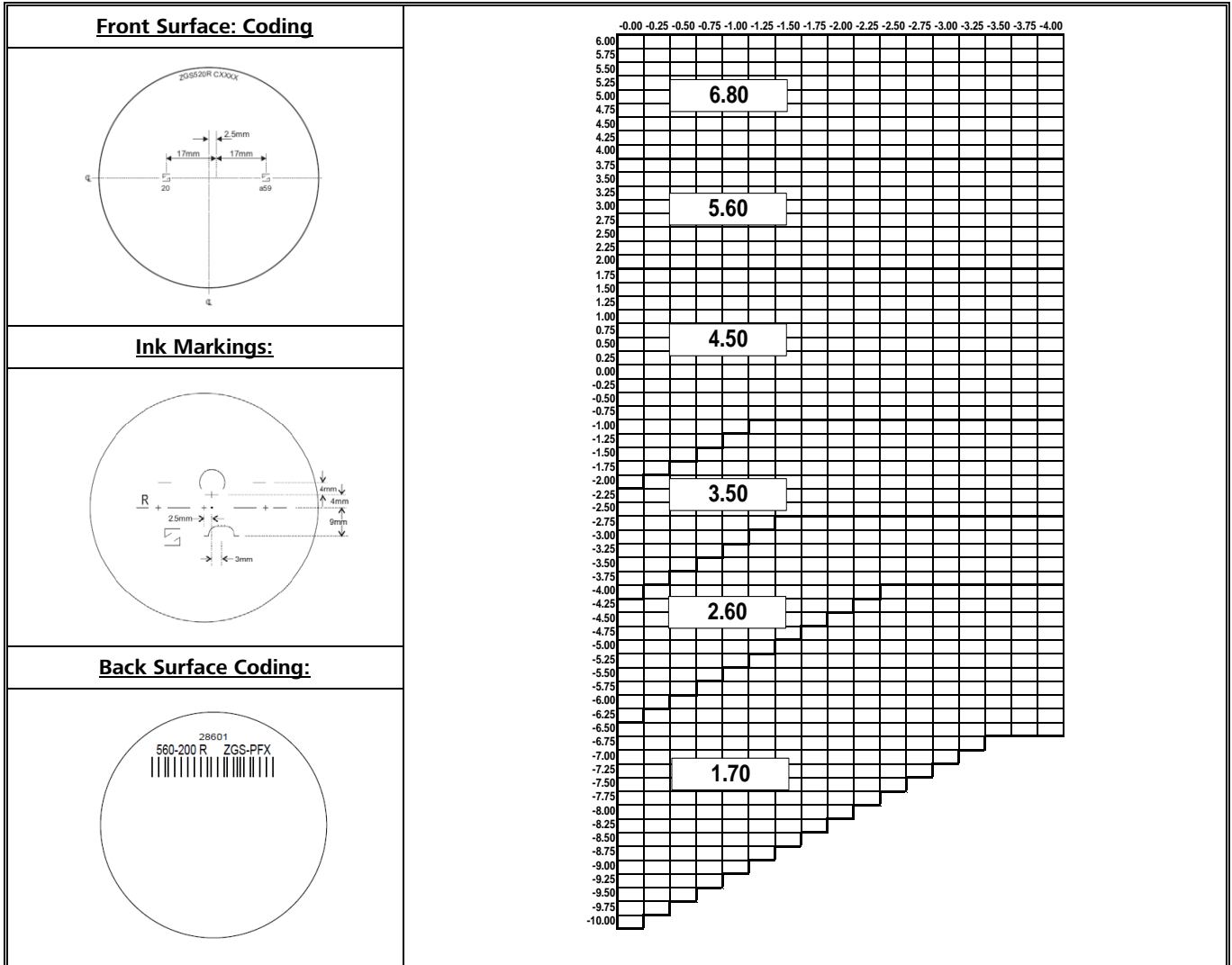
PRODUCT FACT SHEET



Product Name

ZEISS Semi-Finished Progressive GT2 Short 1.59 PhotoFusion X

5. Product Markings and Recommended Base Curve Selection Chart:



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Substrate : **POLYCARBONATE POLARIZED**

Product Name : **GT2 SHORT POLY POLARIZED GRAY** Cat Code: T93

Product Type : **SEMI-FINISHED BLANKS**

Reference : Z00081.FS2

Date : 20 Apr 2009 Page : 1 of 3

Marketing Region: North America – Coated Product

Product Range:

Nominal Diameter	Nominal Base Curve (D)	Add Power Range (D)	Rx Range Recommended (D)
75	1.70	1.00 to 3.00	-10.00 to -6.50
75	2.60	1.00 to 3.00	-6.25 to -4.25
75	3.50	1.00 to 3.00	-4.00 to -2.25
75	4.50	1.00 to 3.00	-2.00 to +1.75
75	5.60	1.00 to 3.00	+2.00 to +3.75
75	6.80	1.00 to 3.00	+4.00 to +6.00

Material Specification:

Type	Polycarbonate
Refractive Index	$\eta_d = 1.586$ (Helium 'd' line 587.56nm) $\eta_e = 1.590$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 30$ $v_e = 29$
Density	1.20 g.cm^{-3}

Coating Specification:

Site	Type
Younger Optics	Hard Coated (Younger Resin, non-tintable) Front Side

Surfacing:

Recommended centre & edge thickness for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-10.00 to -8.25	1.5	
-8.00 to -7.00	1.4	
-6.75 to -1.25	1.3	
-1.00 to +0.00	1.4 to 2.0	
+0.25 to +6.00		1.9 to 0.6

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Blank Geometry: (As measured in 1.530 R.I.)

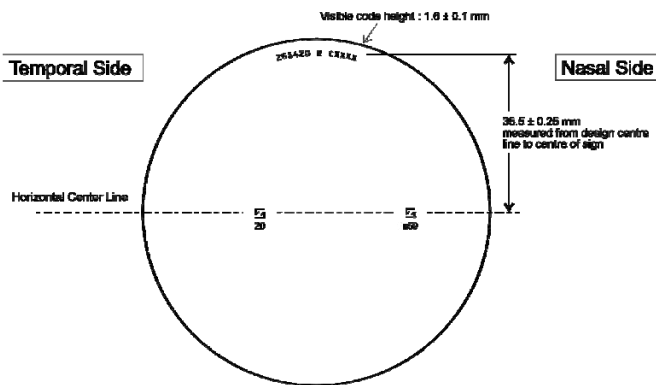
Nominal Base	True Front Curve (D) (1.530)	TFC Radii (mm)	Nominal Back Curve (D)	Center Thickness (mm)	Nominal Edge Thickness at 'A' (mm)
1.70	1.72	306.14	-4,25	10.0 ± 1.00	13.0 ± 1.00
2.60	2.55	207.03	-5,75	9.0 ± 1.00	13.0 ± 1.00
3.50	3.48	152.30	-5,75	10.8 ± 1.00	13.0 ± 1.00
4.50	4.44	118.83	-5,75	9.5 ± 1.00	10.0 ± 1.00
5.60	5.48	96.72	-6,15	13.5 ± 1.00	13.5 ± 1.00
6.80	6.80	77.83	-7,69	10.6 ± 1.00	11.6 ± 1.00

Note 1: Blank thickness is determined by **centre thickness**.

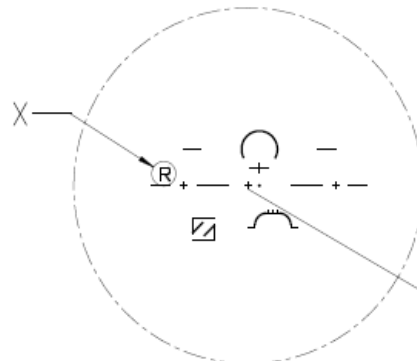
Note 2: Blanks having visually uneven edge thickness shall be checked for prism.

Product Markings:

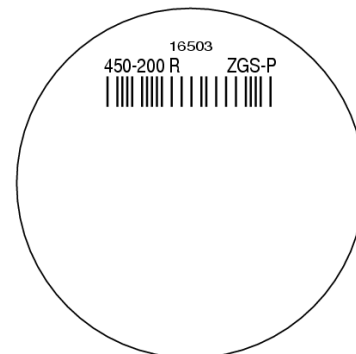
Front Surface:
Semi-Visible Markings



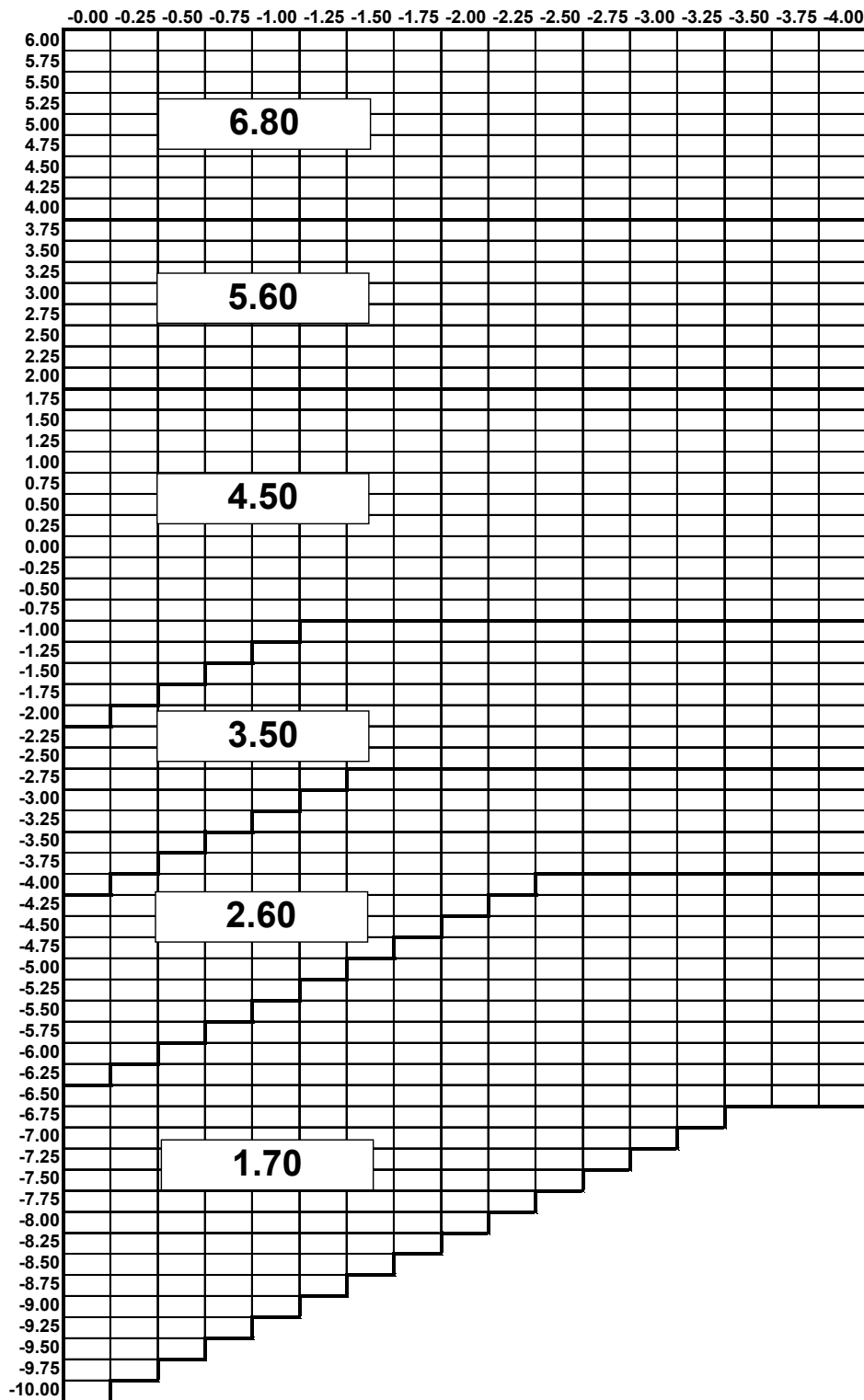
Front Surface: Ink Markings
(Coated: yellow solvent based)



Back Surface : Coding



Recommended Range Chart:



PRODUCT FACT SHEET



Product Name ZEISS Semi-Finished Progressive GT2 Short 1.5 BlueGuard

1. Customer Product Codes

Product	LGC	LGC Description	CAT Code
Coated HA	L7685	ZEISS SF P GT2 SH 15 BL HA V--	L48

2. Product Range:

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
72	2.00	0.75 to 3.50	-10.00 to -6.50
72	3.00	0.75 to 3.50	-6.25 to -4.25
72	4.00	0.75 to 3.50	-4.00 to -2.25
72	5.00	0.75 to 3.50	-2.00 to +1.75
72	6.10	0.75 to 3.50	+2.00 to +3.75
72	7.50	0.75 to 3.50	+4.00 to +6.00

3. Material & Coating Specifications:

Type	ZEISS BlueGuard 1.50 allylic Resin Polymer
Refractive Index	$n_d = 1.500 \pm 0.001$ (Helium 'd' line 587.56nm) $n_e = 1.502 \pm 0.001$ (Mercury 'e' line 546.07nm)
Abbe Number	$V_d = 58 \pm 2$ $V_e = 58 \pm 2$
Density	$1.32 \pm 0.01 \text{ g/cm}^3$
UV Protection (ISO)	Coated : 2.0 mm Centre Thickness UVA : 100 %, UVB : 100 %
Coating Type	Hart Coated

4. Lens Geometry:

Nominal Base (D)	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness ($\pm 1\text{mm}$)	Nominal Edge Thickness at 'A' (mm)
2.00	2.01	263.68	-3.00	15.7	15.7
3.00	2.98	177.85	-3.00	17.5	16.3
4.00	4.00	132.50	-6.00	14.1	15.3
5.00	4.95	107.07	-6.00	14.9	14.8
6.10	6.07	87.32	-6.00	13.1	11.6
7.50	7.31	72.50	-6.00	13.0	10.0

Document Number: Z01379.FS1

Reviewed by: Simone Liebich, 23 Mar 2022

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PRODUCT FACT SHEET

**Product Name**

ZEISS Semi-Finished Progressive GT2 Short 1.5 PhotoFusion X

1. Customer Product Codes

Product	LGC	LGC Description	CAT Code
Grey Black HA	L7672	ZEISS SF P GT2 SH 15 PFX GRYB HA V--	K85

2. Product Range:

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
72	2.00	0.75 to 3.50	-10.00 to -6.50
72	3.00	0.75 to 3.50	-6.25 to -4.25
72	4.00	0.75 to 3.50	-4.00 to -2.25
72	5.00	0.75 to 3.50	-2.00 to +1.75
72	6.10	0.75 to 3.50	+2.00 to +3.75
72	7.50	0.75 to 3.50	+4.00 to +6.00

3. 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	$n_d = 1.500 \pm 0.001$ (Helium 'd' line 587.56nm) $n_e = 1.502 \pm 0.001$ (Mercury 'e' line 546.07nm)
Abbe Number	$V_d = 58 \pm 2$ $V_e = 58 \pm 2$
Density	1.32 ± 0.01 g/cm ³
UV Protection (ISO)	UVA : 100 %, UVB : 100 %
Coating Type	Hart Coated

4. Lens Geometry:

Nominal Base (D)	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (± 1 mm)	Nominal Edge Thickness at 'A' (mm)
2.00	2.01	263.68	-3.00	15.7	15.7
3.00	2.98	177.85	-3.00	17.5	16.3
4.00	4.00	132.50	-6.00	14.1	15.3
5.00	4.93	107.51	-6.00	14.9	14.8
6.10	6.07	87.32	-6.00	13.1	11.6
7.50	7.27	72.90	-6.00	13.0	10.0

Document Number: Z01368.FS1

Reviewed by: Simone Liebich, 25 Mar 2022

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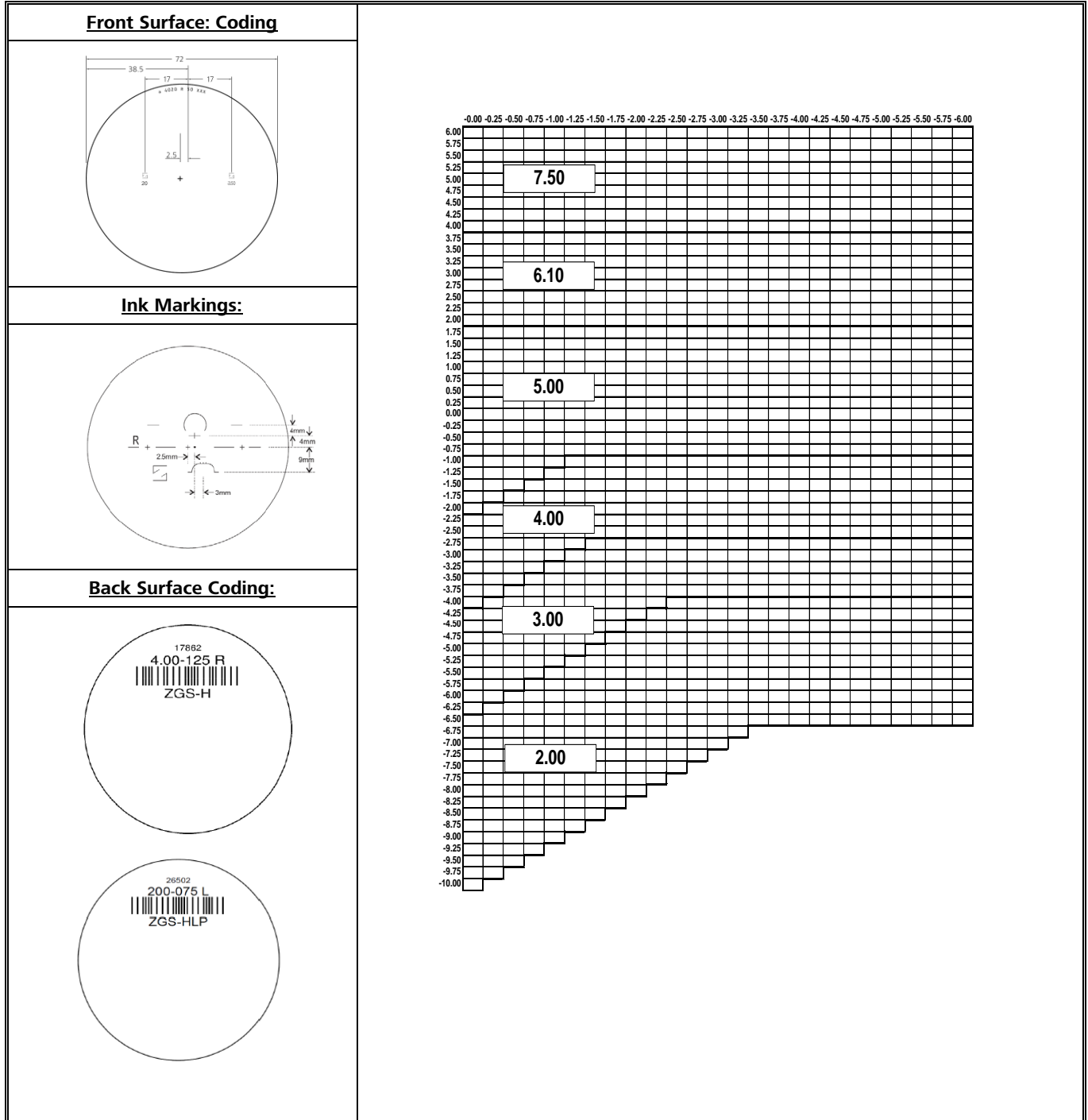
PRODUCT FACT SHEET



Product Name

ZEISS Semi-Finished Progressive GT2 Short 1.5 PhotoFusion X

5. Product Markings and Recommended Base Curve Selection Chart:



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