



GT2 Short by Zeiss - Fact Sheets

Table of Contents

GT2 Short by Zeiss

<i>GT2 Short 1.67 UVProtect High Index</i>	1 – 2
<i>GT2 Short 1.67 High Index PhotoFusion Gray/Brown</i>	3 – 4
<i>GT2 Short 1.59 UVProtect Polycarbonate</i>	5 – 6
<i>GT2 Short 1.59 PhotoFusion Gray/Brown</i>	7 – 8
<i>GT2 Short 1.59 Polarized Gray</i>	9 – 11
<i>GT2 Short 1.5 UVProtect</i>	12 – 14
<i>GT2 Short 1.5 PhotoFusion Gray/Brown</i>	15 – 16

PRODUCT FACT SHEET



Product Name

ZEISS Semi-Finished Progressive GT2 Short 1.67 UVProtect

1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT code:
Coated HA	L7029	ZEISS SF P GT2 SH 167 HA UB-	A61

2. Product Range: (in Dioptres unless otherwise indicated)

Nominal Diameter (mm)	Nominal Base Curve	Add Power Range	Recommended Rx Range
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 Light Protection Organic 1.67
Refractive Index	$n_d = 1.659$ $n_e = 1.664$
Abbe Number	$V_d = 31$ $V_e = 31$
Density	1.36 g/cm ³
UV Protection (ISO)	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 (±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

5. Surfacing: Recommended centre & edge thicknesses. * Thicknesses are based on whichever is the limiting factor

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-16.00 to -2.00	1.3	
-1.75 to +2.00	1.5 or *	1.5 *
+2.25 to +4.00		1.0
+4.25 to +6.00		0.5

Document Number: Z01011.FS2

For External Distribution

Reviewed by: Geoff Riley, 21 Aug 2018

Page 1 of 2

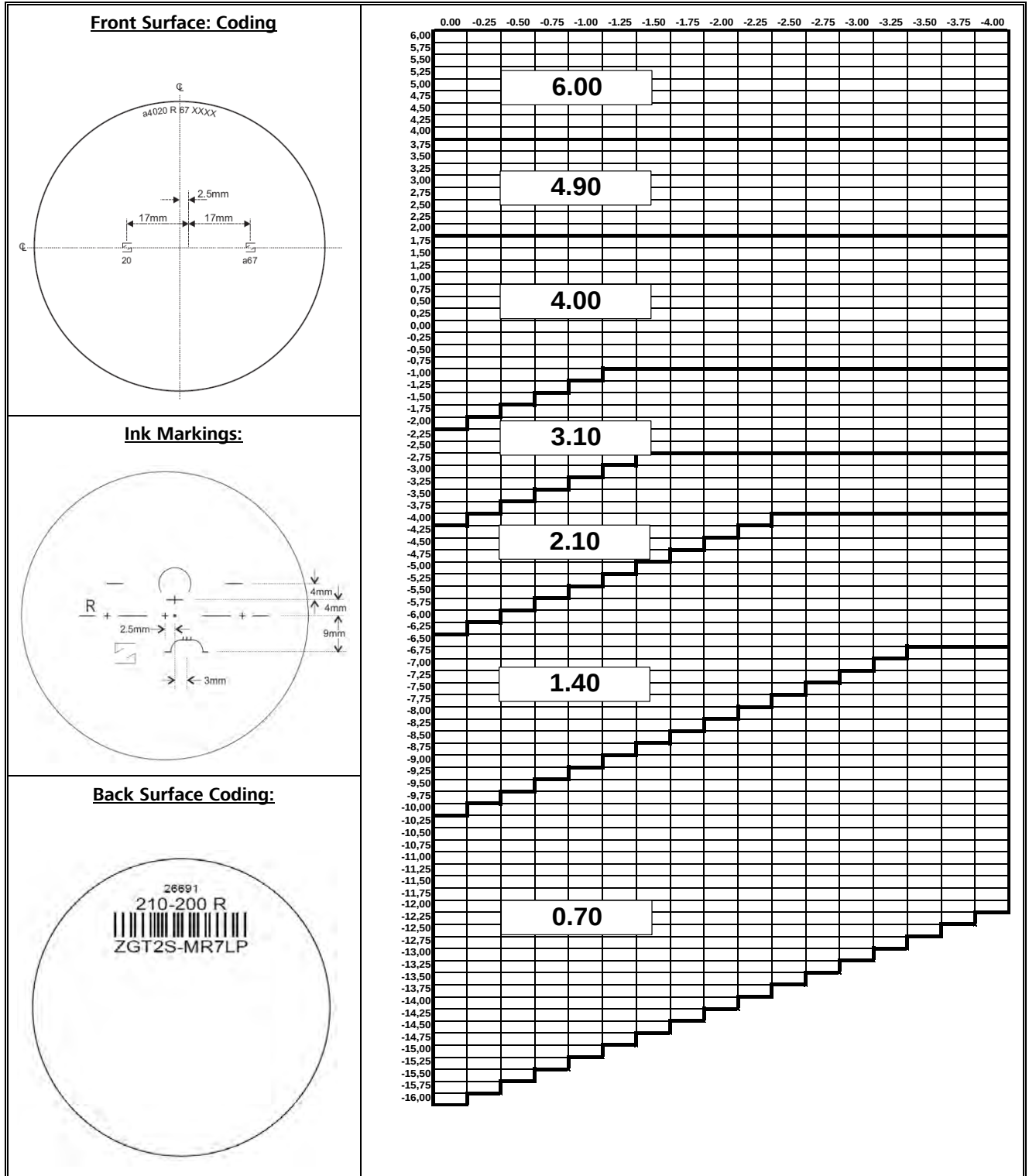
PRODUCT FACT SHEET



Product Name

ZEISS Semi-Finished Progressive GT2 Short 1.67 UVProtect

6. Product Markings and Recommended Base Curve Selection Chart:



Document Number: Z01011.FS2
For External Distribution

Reviewed by: Geoff Riley, 21 Aug 2018
Page 2 of 2

PRODUCT FACT SHEET



PhotoFusion® Lenses by ZEISS

Substrate : **1.67 MR7 PhotoFusion®**
Product Name : **ZEISS GT2 SHORT PROGRESSIVE**
Product type : **SEMI-FINISHED BLANKS**
Reference : Z00310.FS3
Date : 26 July 2012

Page : 1 of 2

Product Range:

Colour:	Brown	Grey
CAT Code:	F70	F69

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

Material & Coating Specifications:

Type	MR-7™
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)	100% UVA and 100% UVB Coated , Activated : 2.0mm Centre Thickness
Coating Type	Hard Coated

Blank Information:

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness (±1.0mm)	Nominal Edge Thickness (mm)
0.70	0.63	841.27	-6.0	10.3	16.5
1.40	1.32	401.52	-6.0	10.2	16.2
2.10	2.12	250.00	-6.0	8.3	13.5
3.10	3.01	176.08	-6.0	7.3	11.3
4.00	3.91	135.55	-6.0	8.4	11.2
4.90	4.77	111.11	-6.0	7.6	9.5
6.00	6.01	88.19	-6.0	9.1	9.4

For External Distribution

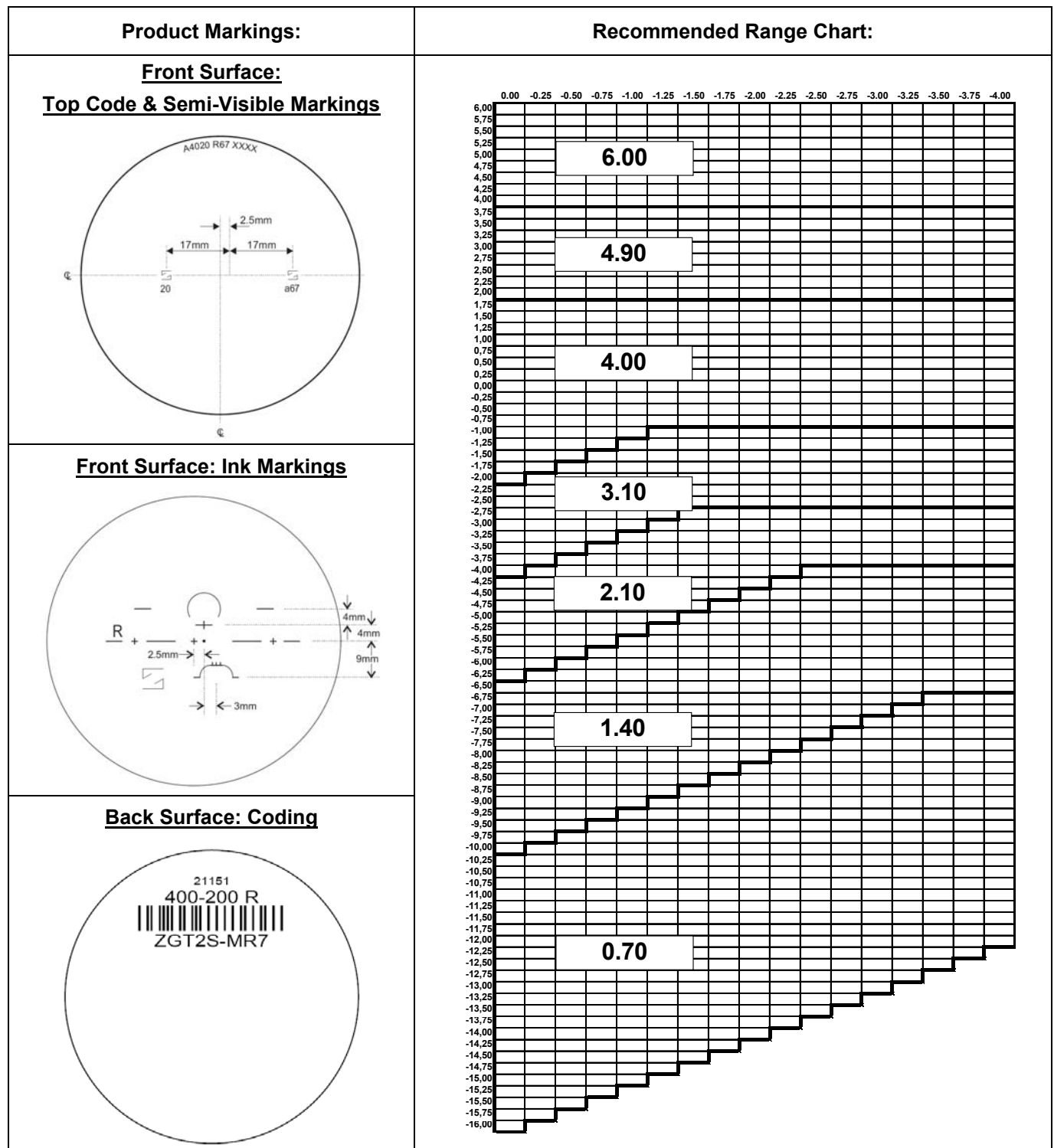
©2012 Carl Zeiss Vision International GmbH.
PhotoFusion is a registered trademark of Carl Zeiss Vision International GmbH.
MR-7 is a trademark of Mitsui Chemicals Inc.

Surfacing:

Recommended centre & edge thicknesses.

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-16.00 to -2.00	1.5	
-1.75 to +2.00	1.5 or *	1.5 *
+2.25 to +4.00		1.0
+4.25 to +6.00		0.5

*Thicknesses are based on whichever is the limiting factor



PRODUCT FACT SHEET



Product Name

ZEISS Semi-Finished Progressive GT2 Short 1.59 UVProtect

1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
Coated HA	L7026	ZEISS SF P GT2 SH 159 HA U--	
Coated PG	L7035	ZEISS SF P GT2 SH 159 PG U--	

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 Light Protection 1.59 Polycarbonate
Refractive Index	$n_d = 1.586$ $n_e = 1.59$
Abbe Number	$V_d = 30$ $V_e = 30$
Density	1.20 g/cm ³
UV Protection (ISO)	Coated : 2.0 mm Centre Thickness UVA : 100 %, UVB : 100 %
Coating Type	Hart & PG 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	1.72	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: Z01006.FS1

For External Distribution

Reviewed by: Geoff Riley, 16 May 2018

Page 1 of 2

PRODUCT FACT SHEET



Product Name

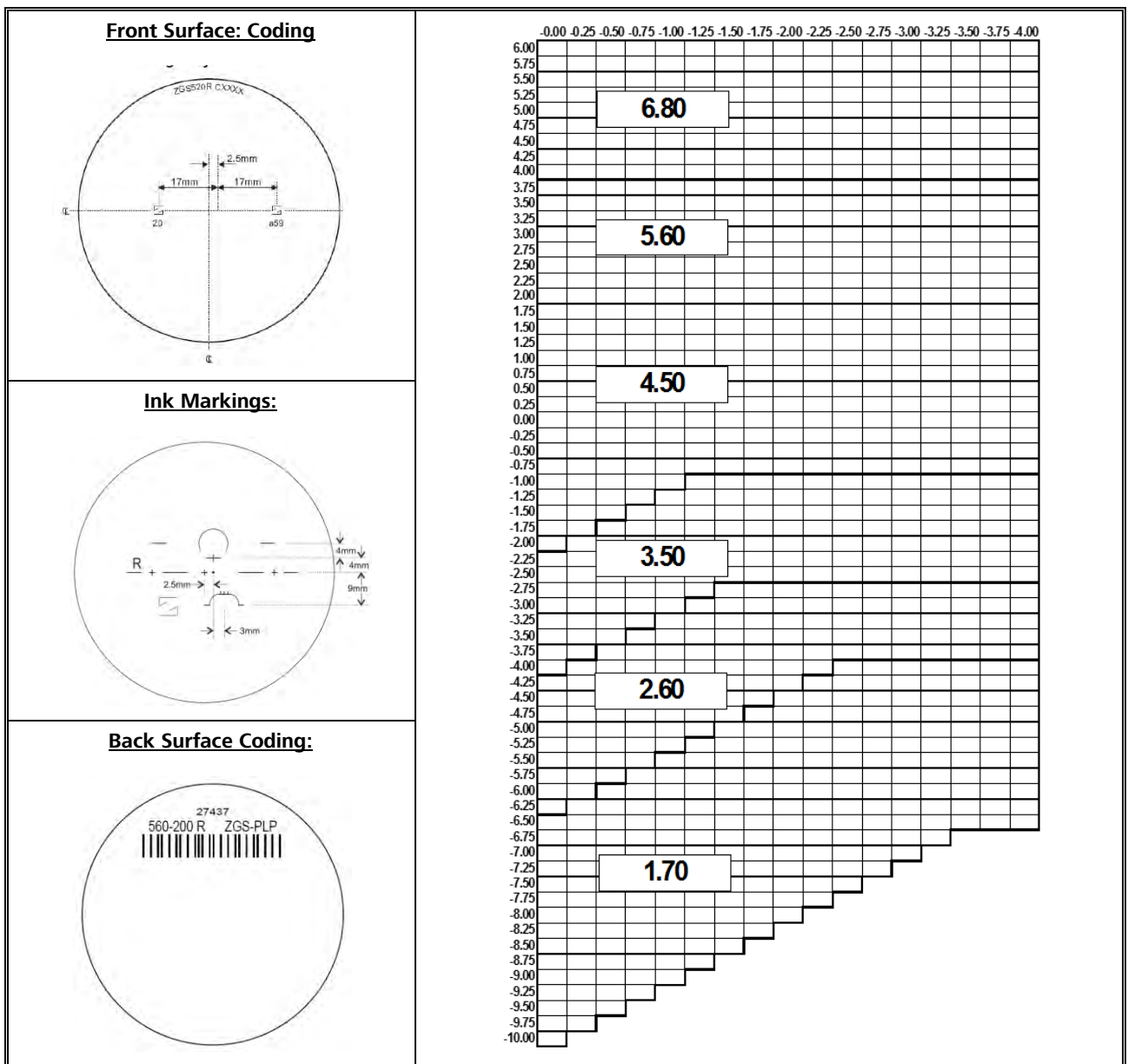
ZEISS Semi-Finished Progressive GT2 Short 1.59 UVProtect

5. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-10.00 to -2.00	1.5	
-1.75 to +2.00	2.0 or *	1.5 *
+2.25 to + 4.00		1.0
+4.25 to + 6.00		1.0

* Thicknesses are based on whichever is the limiting factor

6. Product Markings and Recommended Base Curve Selection Chart:



Document Number: Z01006.FS1

For External Distribution

Reviewed by: Geoff Riley, 16 May 2018

Page 2 of 2

PRODUCT FACT SHEET



PhotoFusion® Lenses by ZEISS

Substrate : **POLYCARBONATE PhotoFusion®**
 Product Name : **ZEIS GT2 SHORT PROGRESSIVE**
 Product type : **SEMI-FINISHED BLANKS**
 Reference : Z00312.FS2
 Date : 22 March 2012

Page : 1 of 2

Product Range:

Colour:	Brown	Grey
CAT Code:	F68	F67

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
72/77	1.70	1.00 to 3.00	-10.00 to -6.50
72/77	2.60	1.00 to 3.00	-6.25 to -4.25
72/77	3.50	1.00 to 3.00	-4.00 to -2.25
72/77	4.50	1.00 to 3.00	-2.00 to +1.75
72/77	5.60	1.00 to 3.00	+2.00 to +3.75
72/77	6.80	1.00 to 3.00	+4.00 to +6.00

Material & Coating Specifications:

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

Blank Information:

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness ($\pm 1.0\text{mm}$)	Nominal Edge Thickness (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

For External Distribution

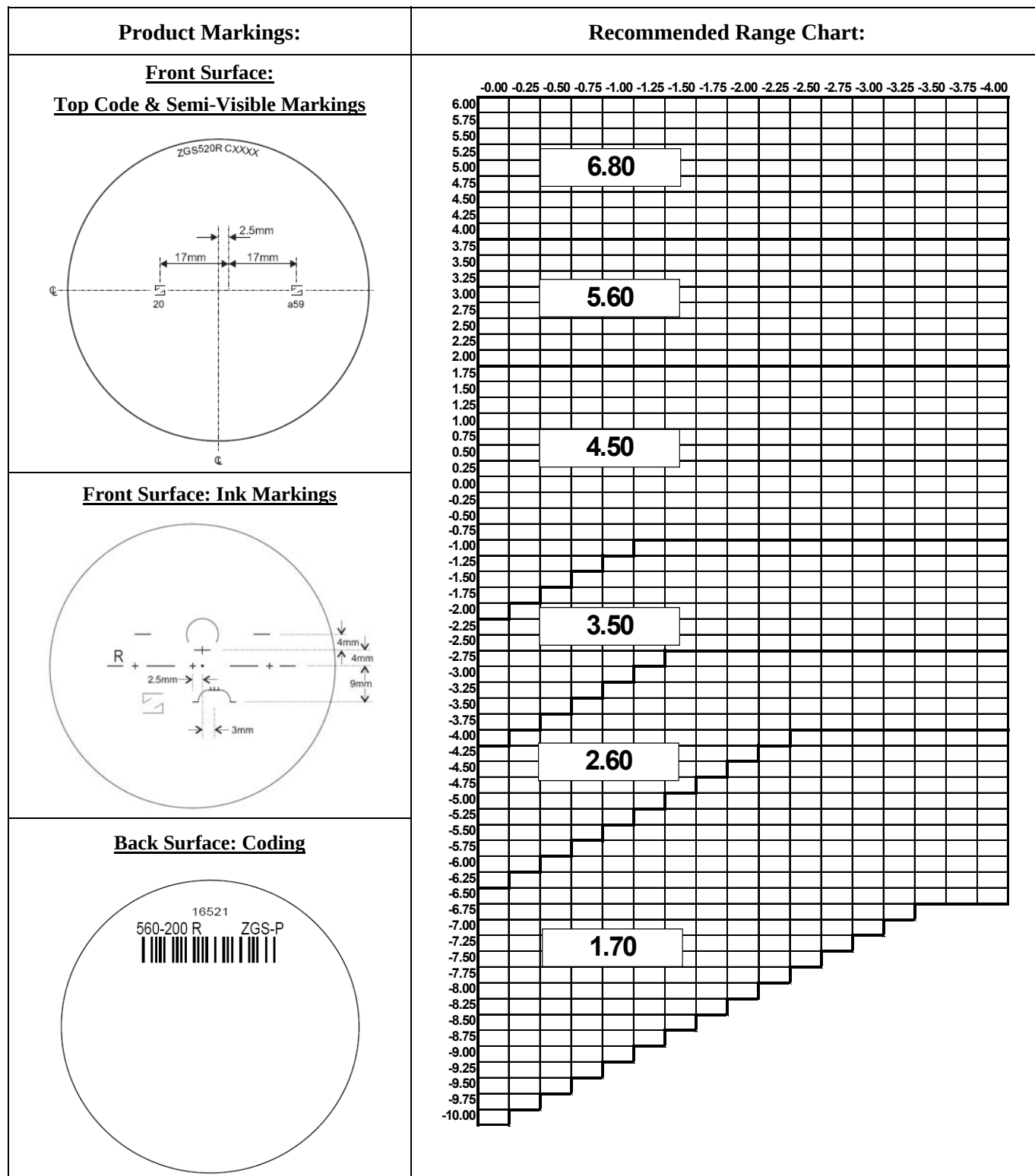
©2012 Carl Zeiss Vision International GmbH
 PhotoFusion is a registered trademark of Carl Zeiss Vision International GmbH.

Surfacing:

Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-10.00 to -2.00	1.5	
-1.75 to +2.00	1.5 *	1.5 *
+2.25 to +4.00		1.0
+4.25 to +6.00		0.5

*Thicknesses are based on whichever is the limiting factor



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

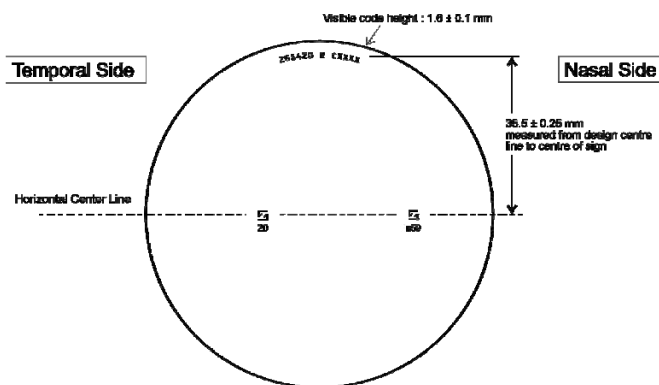
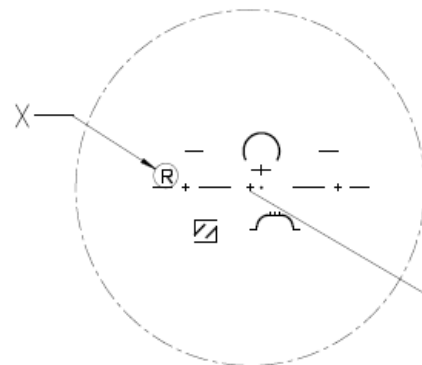
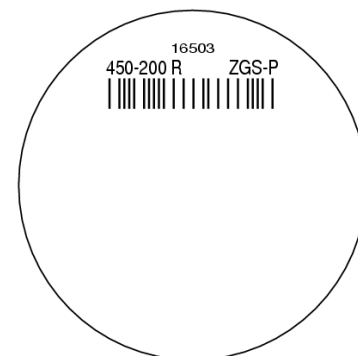
For External Distribution

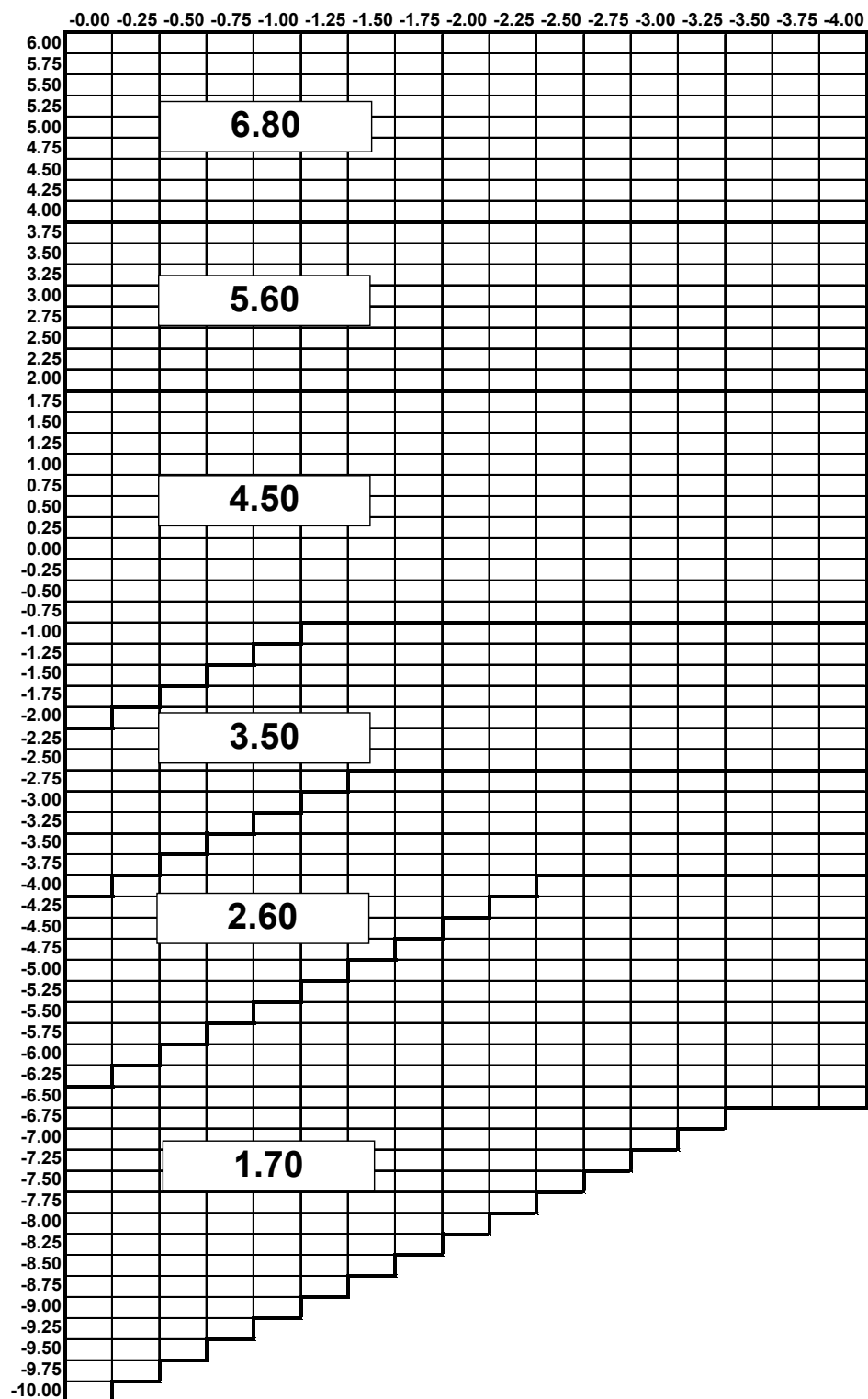
Blank Geometry: (As measured in 1.530 R.I.)

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 MarkingsFront 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 UVProtect
---------------------	---

1. Customer Product Codes

Product:	LGC:	LGC Description:	CAT Code:
Coated HA	L7088	ZEISS SF P GT2 SH 15T HA U--	A89

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 Light Protection 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)	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 (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: Z01010.FS5	Reviewed by: Geoff Riley, 24 Jan 2019
For External Distribution	Page 1 of 2

PRODUCT FACT SHEET



Product Name

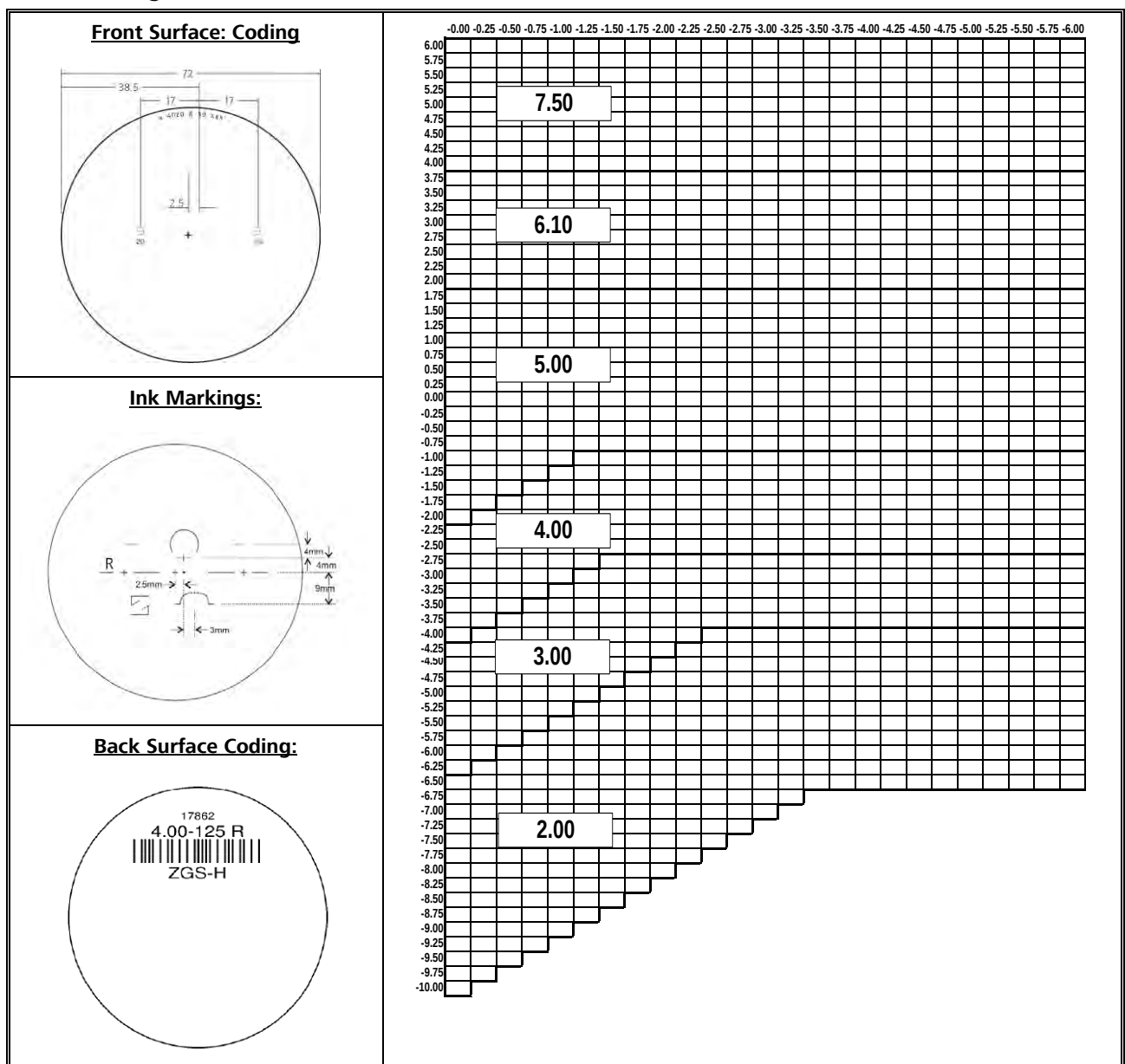
ZEISS Semi-Finished Progressive GT2 Short 1.5 UVProtect

5. Surfacing: Recommended centre & edge thicknesses for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-10.00 to -2.00	1.8	
-1.75 to +2.00	2.0 or *	1.5 *
+2.25 to + 4.00		1.0
+4.25 to + 6.00		1.0

* Thicknesses are based on whichever is the limiting factor

6. Product Markings and Recommended Base Curve Selection Chart:



Document Number: Z01010.FS5

For External Distribution

Reviewed by: Geoff Riley, 24 Jan 2019

Page 2 of 2

PRODUCT FACT SHEET



PhotoFusion® Lenses by ZEISS

Substrate : **HARD RESIN PhotoFusion®**
Product Name : **ZEISS GT2 SHORT PROGRESSIVE**
Product type : **SEMI-FINISHED BLANKS**
Reference : Z00308.FS3
Date : 22 March 2012

Page : 1 of 2

Product Range:

Colour:	Brown	Grey
CAT Code:	F78	F77

Nominal Diameter (mm)	Nominal Base Curve (D)	Add Power Range (D)	Recommended Rx Range (D)
72/77	2.00	1.00 to 3.00	-10.00 to -6.50
72/77	3.00	1.00 to 3.00	-6.25 to -4.25
72/77	4.00	1.00 to 3.00	-4.00 to -2.25
72/77	5.00	1.00 to 3.00	-2.00 to +1.75
72/77	6.10	1.00 to 3.00	+2.00 to +3.75
72/77	7.50	1.00 to 3.00	+4.00 to +6.00

Material & Coating Specifications:

Type	CR-39®	
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)	100% UVA and 100% UVB Coated , Activated : 2.0mm Centre Thickness	
Coating Type	Hard Coated	

Blank Information:

Nominal Base	True Front Curve (D) (1.530)	Radii (mm)	Nominal Back Curve (D)	Centre Thickness ($\pm 1.0\text{mm}$)	Nominal Edge Thickness (mm)
2.00	2.01	263.68	-3.0	15.7	15.7
3.00	2.98	177.85	-3.0	17.5	16.3
4.00	4.00	132.50	-6.0	14.1	15.3
5.00	4.93	107.51	-6.0	14.9	14.8
6.10	6.07	87.32	-6.0	13.1	11.6
7.50	7.27	72.90	-6.0	13.0	10.0

For External Distribution

©2012 Carl Zeiss Vision International GmbH
PhotoFusion is a registered trademark of Carl Zeiss Vision International GmbH.
CR-39 is a registered trademark of PPG Industries Inc.

Surfacing:

Recommended centre & edge thicknesses:

Power Range (D)	USA Market Minimum Centre Thickness (mm)	Int'l Market Minimum Centre Thickness (mm)	All Markets Minimum Edge Thickness (mm)
-10.00 to -2.00	2.0	1.5	
-1.75 to +2.00	2.0 or *	2.0 or *	1.0 *
+2.25 to +6.00			1.0

*Thicknesses are based on whichever is the limiting factor

