

Substrate : **HARD RESIN**

Product Name : **ZEISS BUSINESS 10/15** Cat Code: 621

Product Type : **DEGRESSIVE SEMI-FINISHED BLANKS**

Reference : Z00007.FS2

Date : 20 Mar 2009 Page : 1 of 4

**Marketing Regions:** North America – Coated Product

**Product Range:**

Nominal Diameter	Nominal Base Curve (D)	Degression Range (D)	Rx Range Recommended (D)
75	4.00	1.00 and 1.50	-5.00 to -2.25
75	5.00	1.00 and 1.50	-2.00 to +2.00
75	6.00	1.00 and 1.50	+2.25 to +4.00
75	7.30	1.00 and 1.50	+4.25 to +6.50

**Material & Coatings:**

Type	<b>CR-39<sup>®</sup></b>
Refractive Index	$\eta_d = 1.499$ (Helium 'd' line 587.56nm) $\eta_e = 1.500$ (Mercury 'e' line 546.07nm)
Abbe Number	$v_d = 58$ $v_e = 56$
Density	1.32 g.cm <sup>-3</sup>
UV Protection (ISO)	2.0 mm Centre Thickness UVA: 91 %, UVB: 100 %
Coating Type	<b>Ultra-Tough<sup>™</sup></b> and Uncoated

## For External Distribution

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

North America - Thin Version:

Nominal Base	True Front Curve (D) (1.530)	TF Radii (mm)	Nominal Back Curve (D)	Center Thickness (mm)	Nominal Edge Thickness at 'A' (mm)
4.00	4.02	131.84	-5.0	13.2±1mm	14.3
5.00	5.22	101.53	-5.0	10.0±1mm	9.8
6.00	6.18	85.76	-5.0	11.4±1mm	10.0
7.30	7.66	69.19	-5.0	14.0±1mm	10.2

~~Europe Thick Version (supplied by Carl Zeiss Vision Hungary):~~

<del>Nominal Base</del>	<del>True Front Curve (D) (1.530)</del>	<del>TF Radii (mm)</del>	<del>Nominal Back Curve (D)</del>	<del>Center Thickness (mm)</del>	<del>Nominal Edge Thickness at 'A' (mm)</del>
<del>4.00</del>	<del>4.23</del>	<del>125.25</del>	<del>-5.0</del>	<del>8.2±1mm</del>	<del>11.0</del>
<del>5.00</del>	<del>5.29</del>	<del>100.20</del>	<del>-5.0</del>	<del>15.0±1mm</del>	<del>16.0</del>
<del>6.00</del>	<del>6.35</del>	<del>83.50</del>	<del>-5.0</del>	<del>16.4±1mm</del>	<del>16.0</del>

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

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

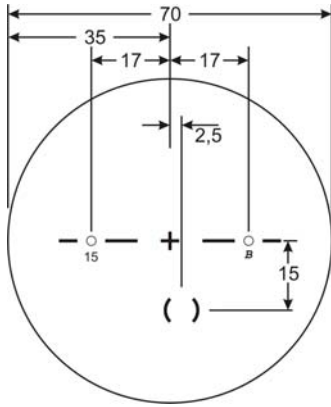
**Surfacing:**

Recommended centre &amp; edge thickness for all regions:

Power Range (D)	Minimum Centre Thickness (mm)	Minimum Edge Thickness (mm)
-5.00 to -0.75	1.8	
-0.50 to +0.00	1.9 to 2.0	
+0.25 to +6.50		1.9 to 0.5

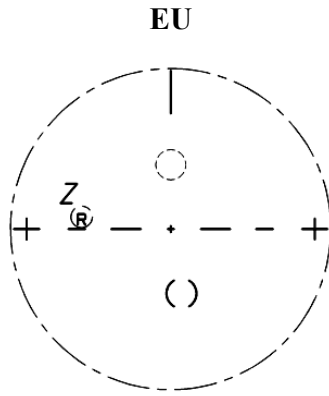
**Product Markings:**

Front Surface:  
Semi-Visible Markings

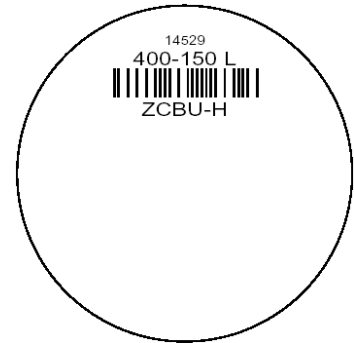


Front Surface: Ink Markings

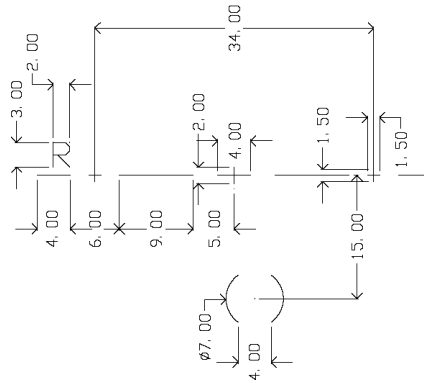
(Coated: yellow solvent based)  
(Uncoated: yellow water based)



Back Surface: Coding



**US**



**Recommended Range Chart:**

