



6.1 Zeiss Business 10 / Zeiss Business 15

Product Specifications

Material

- CR39, Plastic
- $n_d=1.499$
- Abbe 58
- Specific Gravity 1.32 $^{9/}_{ccm}$
- 93% UV-A and 100% UV-B Protection

Technical Processing Notes

- Zeiss Business lenses can be processed like any other quality plastic progressive lens. Zeiss recommends a minimum center thickness of 1.8 mm. Zeiss Business lenses of this minimum thickness fulfill the FDA standards of impact resistance.
- After blocking wait 15 minutes to allow lenses to cool before generating.
- Zeiss recommends deblocking by cold knock off or block ejector, not by hot water.

Hard Coating

Zeiss Business semi-finished lens blanks feature a factory applied, scratch resistant hard coating.

Delivery Range

- Near Power Sph +6.50D to -5.00D
- Cyl up to -4.00D (total power not to exceed -5.00D)
- Prism up to 3.00D in addition to equithin
- Minimum Fitting Height 16 mm
- Degressions (decrease in power from the near portion upwards)
 - Zeiss Business 10: 1.00D
 - Zeiss Business 15: 1.50D

Lens Data Chart

Base Curve	Actual Diam. [mm]	Decentr. [mm]	True Curve ¹ [1.53]	Front Radius ¹ [mm]	Back Curve [1.53]	Center Thickness [mm]	Edge Thickness [mm]
4.00	72 round	0.00	4.02	131.84	5.00	12.2	14.3
5.00	72 round	0.00	5.22	101.53	5.00	9.0	9.8
6.00	72 round	0.00	6.18	85.76	5.00	10.4	10.0
7.30	72 round	0.00	7.66	69.19	5.00	13.0	10.2

¹ The True Curve and the Front Radius are specified for the Near Reference Point

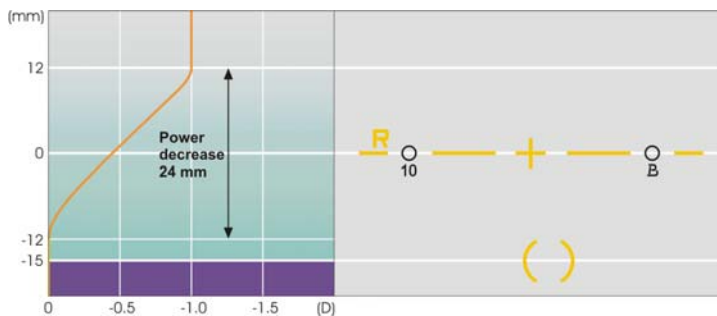


Introduction

Zeiss Business has been developed for computer use with an extended vision and reading range.

The lenses are ordered by using either the near Rx or the full distance Rx and add power. The prescribed power decreases continuously towards the top of the lens, extending the visual field into the intermediated distance range. In the Fitting Cross the decrease in power reaches approximately 50%. The full decrease is achieved 12 mm above the Fitting Cross. The ordered power is measured in the Near Reference Point.

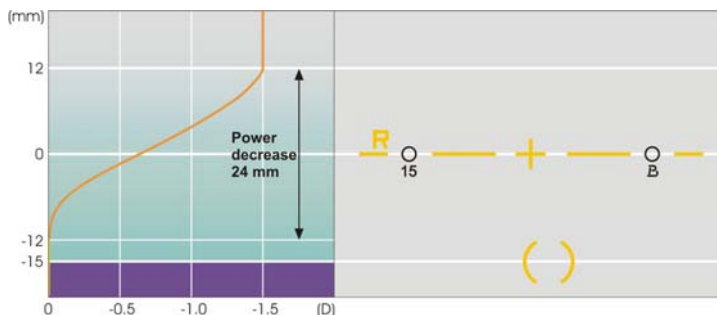
Power decrease Zeiss Business 10



Displays a power decrease of 1.00D

For add powers up to 1.75D

Power decrease Zeiss Business 15



Displays a power decrease of 1.50D

For add powers 2.00D and up



In order to process the thinnest and lightest lenses possible, Zeiss recommends a base down (270°) Equithin thickness reduction prism with the following graduation:



- Zeiss Business 10: 0.5 D, base 270°
- Zeiss Business 15: 1.0 D, base 270°

This recommendation applies also to minus lenses.



Permanent Engravings

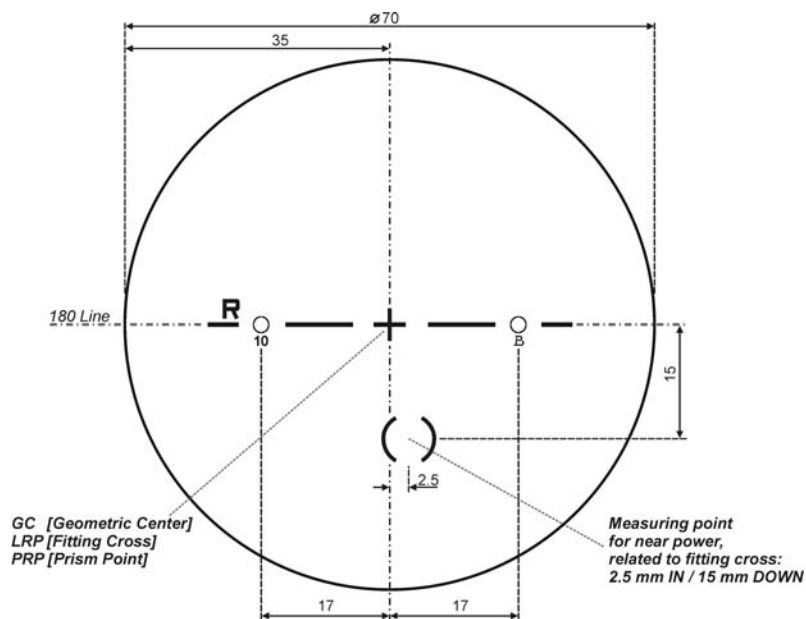
	Nasal Engraving	Temple Engraving
Zeiss Business 10		

	Nasal Engraving	Temple Engraving
Zeiss Business 15		

Markings and Dimensions

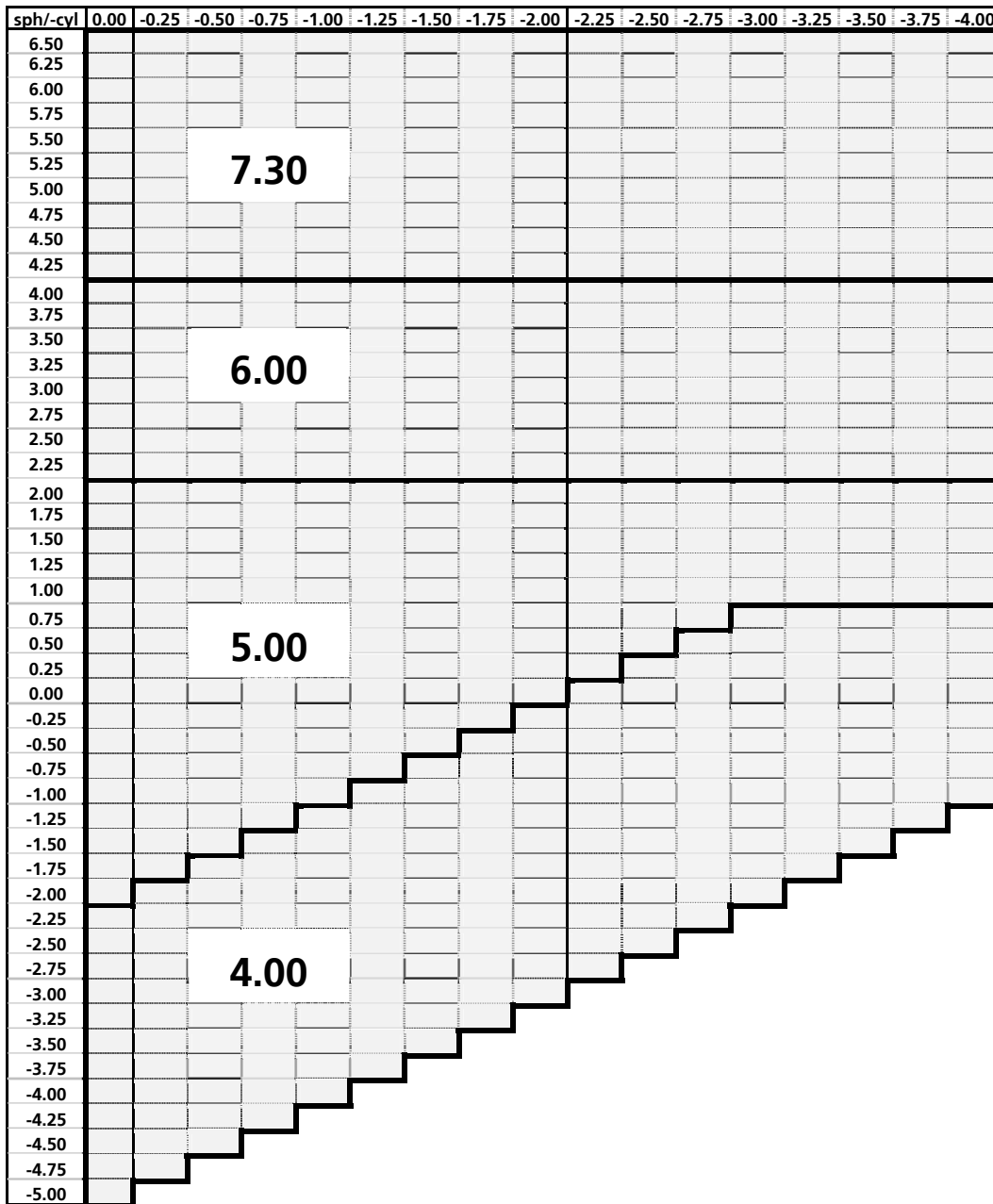
Zeiss Business features a round lens blank. With Zeiss Business the Geometric Center (GC), the Layout Reference Point (LRP), the Fitting Cross and the Prism Reference Point (PRP) all share the same location. The processed near power is verified in the Near Reference Point (NRP).

Please note that Zeiss Business lenses should be blocked on the geometric center to avoid producing unwanted prism during the fining operation.





Base Curve Chart – For Near Powers
Zeiss Business



- Zeiss highly recommends conforming to the base curve for a specific R_x power as displayed in the Base Curve Chart for Zeiss Business 10 and 15 lenses. Picking another base curve for a certain power will decrease the imaging performance and may impact adaptation and patient satisfaction.
- Zeiss Business 10 and Business 15 base curves are displayed in accordance with the near R_x power.